



PHASE I ENVIRONMENTAL SITE ASSESSMENT

Redevelopment Property
777 North Front Street
Burbank, Los Angeles County, California 91502

Prepared For:

SJ4 Burbank LLC
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El Segundo, CA 90245

Prepared By:

Blackstone Consulting LLC
Project No. TERRCA003.03

June 27, 2018

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EXECUTIVE SUMMARY

Blackstone Consulting LLC (Blackstone) performed a Phase I Environmental Site Assessment (Phase I ESA) of the parcel located at 777 North Front Street in Burbank, Los Angeles County, California (site). It is understood that the site is planned for acquisition and future redevelopment. The purpose of the Phase I ESA is to identify recognized environmental conditions (RECs) in accordance with ASTM Standard E 1527-13 and other agreed-upon ASTM *Non-Scope Considerations (Business Environmental Risk Issues)*. Blackstone also understands that this document may be submitted to the Los Angeles Regional Water Quality Control Board (LA-RWQCB), as a Phase I ESA is a requirement for admission to that agency's California Land Reuse and Revitalization (CLRRA) program.

SITE INSPECTION

Name of Inspector: Sarah L. Denton

Date of Inspection: June 13, 2018

Site Representative: None

SITE DESCRIPTION

Street Address: 777 North Front Street

City and State: Burbank, California

County: Los Angeles

Legal Description: Los Angeles County Assessor Parcel Number: 2449-037-013

Owner(s): Northridge Properties, LLC, A California limited liability company

Site Size: Approximately 8.0 acres

Site Use: Vacant

Year(s) Built: Not applicable; no buildings currently occupy the site. Foundations remain on the site from building constructed in the 1960s.

Structure(s)	<i>Location On Site</i>	<i>Number of Stories</i>	<i>Size (approx. square feet)</i>
Foundations and pads	Throughout	-	-
Other Site Features:	Historical site buildings have been demolished, but former building foundations and parking areas remain at the site. The eastern and		

northern portions of the site are occupied by considerably large soil piles and gravel storage apparently staged by the California Department of Transportation (Cal-Trans) for use at an off-site construction project. Evidence of former manufacturing features, such as former clarifiers, drains, restrooms, trench drains and other past in-ground features, were observed throughout the site. Evidence of environmental investigation, including current monitoring borings and former exploration borings, were also observed at the site.

Proposed Site Use:

Blackstone understands that the site is proposed to be redeveloped with mixed residential and commercial uses, specifically multi-family residential apartments, a hotel, limited ground-level commercial uses, underground and aboveground parking levels, and recreational spaces that will include a park and bicycle hub with amphitheater-style seating. The specific development plans are subject to change, such as during the permitting process with the local building and development agency.

HISTORICAL INFORMATION

Reasonably ascertainable historical information indicates the eastern portion of the site consisted of dwellings constructed prior to 1928 while the remainder of the site was undeveloped. From the 1930s until 1961, General Water Heater Company (General) operated a water heater manufacturing facility at the site. Limited information regarding General's operations are available; however, historical resources indicate that structures and site uses during General's site operation included a metal working building with an oil tank, a boiler shop, a galvanizing and foundry building, an assembly, stockroom and machine shop building with spray-painting and plating rooms, storage buildings and offices. General also utilized a rail spur located on the western portion of the site.

In approximately 1961, Zero Manufacturing Corporation (Zero) purchased the site and reportedly demolished the former General structures. Zero redeveloped the site with a manufacturing facility to fabricate metal enclosures. By 1968, four large manufacturing buildings and three smaller structures, including a machine shop and offices, occupied the majority of the site. Zero operated a manufacturing plant at the site that fabricated metal enclosures and containers from the mid-1960s until approximately 1991. According to the California Regional Water Quality Control Board (RWQCB), Zero's manufacturing operations included aluminum case drawing and washing, aluminum alodining (a metal coating process), chromate deoxidizing, steel phosphate coating and chromium sealing. The Zero facility was comprised of six buildings and contained paint booths, a water-based paint shop and drying booth, aluminum machining, etching, deoxidizing and cleaning, aluminum vapor degreasing, and grinding. The site also operated five clarifiers, two unleaded gasoline underground storage tanks (USTs), exterior chemical storage areas, paint storage areas, an oil storage area, an acid storage area, an acid/caustic soda storage area, and an exterior hazardous waste staging area. An industrial waste permit was also issued to Zero in 1967. Wastes generated onsite included acetone, ketones, 1,1,1,-

trichloroethane (1,1,1-TCA), waste oil, waste acids and paint sludges. Zero leased a portion of land from the railroad yard west of the site. According to historical maps, Zero's hazardous materials storage area, drum storage and parking occupied this off-site area. From 1964 to 1973, Zero leased a portion of the site to Ocean Technology, Inc., a separate subsidiary of Zero Corp., for the manufacturing and assembly of electronic products; however, few details regarding this operation were included in the available historical resources.

After Zero discontinued operations at the site in 1991, the site was leased for storage and as a filming location for the entertainment industry. The clarifiers were abandoned and removed in 1993. In 1998, FLDC acquired the site with the intention of redeveloping the property with a car dealership; however, that development was tabled. The City of Burbank purchased a portion of the former rail area west of the site in 1998 to develop the new Front Street, which was opened in June 1999. The former Zero facility buildings were demolished to the foundation slabs in 2004 and the site has remained essentially unchanged since that time.

The adjoining properties surrounding the site were dwellings or undeveloped prior to the current developments. The single and multi-tenant retail buildings northeast of the site beyond Interstate 5 and the former Front Street were constructed between 1989 and 2002. The parking lot adjoining the site to the southwest was constructed between 1983 and 1989. The lumber company and a City of Burbank water reclamation plant southwest of the site beyond a railroad and North Front Street were constructed between 1964 and 1972, with the Front Street expansion in 1999. The undeveloped land northwest of the site beyond East Burbank Boulevard has historically been undeveloped.

Blackstone performed a Phase I ESA of the site in conformance with the scope and limitations of ASTM Standard Practice E 1527-13, the regulations at 40 CFR Part 312, and the November 9, 2015, proposal (Agreement) between 4Terra-LA I LLC and Blackstone. Any exceptions to, or deletions from, this practice are described in Sections 1.2 through 1.4 of this report. This assessment has revealed no evidence of *recognized environmental conditions (RECs)* in connection with the site with the exception of the following:

- **Volatile Organic Compounds (VOCs) and Metals Impacts** – In 2009, CalTrans contracted Ninyo & Moore to evaluate the northeastern portion of the site where CalTrans is planning to widen Interstate 5 to accommodate the development of High Occupancy Vehicle (HOV) lanes. Ninyo & Moore retrieved soil and soil vapor samples from the northeast and eastern portion of the site (this was not a site-wide evaluation). Ninyo & Moore concluded that their detected concentrations of VOCs, metals, PCBs, semi-volatile organic compounds (SVOCs), petroleum hydrocarbons, and pH in soil samples retrieved from their investigation area did not exceed the site-specific cleanup goals previously established by the LA-RWQCB during the previous remediation investigation. However, Ninyo & Moore reported chlorinated VOCs, other VOCs and TPHg in their soil vapor samples, including concentrations of tetrachloroethene (PCE) and trichloroethene (TCE) that exceeded the Department of Toxic Substances' (DTSC's) California Human Health Soil Screening Levels (CHHSLs) for industrial sites, which were the risk-based screening

standard in effect at the time of the investigation.¹ Ninyo & Moore reported that the maximum detected concentration of PCE in soil vapor identified from their investigation (52,400 µg/m³) suggested that concentrations of chlorinated VOCs in site soil vapor condition rebounded following the completion of remediation in 2001.

In 2016, Leighton completed a pre-development soil vapor investigation to evaluate the subsurface soil conditions for chemicals of concern that may be encountered during the planned excavation activities associated with the subsurface parking structures of the proposed redevelopment and evaluate whether VOCs present in soil vapor at the site presented a potential vapor intrusion concern for the residential and commercial structures planned at the site. The investigation consisted of the completion of 36 mostly grid-based shallow borings and the retrieval of soil and soil vapor samples from each boring. Laboratory analyses of soil vapor samples revealed elevated concentrations of chlorinated VOCs, namely PCE, TCE and 1,1,1-TCA in the area of the site where SVE remediation had been performed in the late 1990s; the maximum detected concentration of PCE in soil gas identified during Leighton's investigation (10,600,000 µg/m³) suggests that significant rebound has occurred in the subsurface at the site to pre-remediation levels in the decades since the SVE remediation system operated. Leighton's investigation also identified chlorinated VOCs in soil samples at concentrations in excess of residential screening levels. During the 2016 Leighton subsurface investigation, laboratory analyses of retrieved soil samples also revealed elevated concentrations of metals, namely zinc, total lead, and copper, at concentrations that suggest that the soil, once excavated, may require management as California hazardous waste and possibly federal RCRA waste. The interpreted maximum lateral extent of the metal-affected soils that may require management as California hazardous waste include an approximately 3.63-acre area in the central northwestern portion of the site. Geosyntec's subsequent 2017 soil and soil vapor investigation generally confirmed Leighton's findings, and their human health risk screening indicated that concentrations of chlorinated solvents exceed the site's previously established depth-specific soil screening levels for the protection of groundwater, soil risk-based concentrations, and depth-specific soil vapor screening levels.

The elevated concentrations of VOCs and metals on the site are considered a REC. Blackstone understands these impacts will continue to be evaluated prior to and during redevelopment of the site, and mitigation, risk-assessment and/or remediation will be performed at the site concurrent with redevelopment to ensure the proposed future land uses are protective of human health and the environment.

- **Active CrVI Investigation** – As part of ongoing evaluation of the San Fernando groundwater basin Superfund site, groundwater supply wells in the basin were identified to have been contaminated with Chromium VI (CrVI) in 1998. The LA-RWQCB identified 112 initial sites at which further investigation was required to determine whether CrVI concentrations in soil at these locations indicate a significant past release that may have contributed to the regional contamination. Although the Zero operation on the site was

¹ DTSC Note Human and Ecological Risk Office (HERO Note Number 3, DTSC-modified Screening Levels, May 2015

not identified in the initial group of 112, a May 2011 letter from the LA-RWQCB ordered soil investigation at the site based on past use of chromate salts and based on the findings of the 2009 CalTrans investigation that had identified CrVI in site soil. The CalTrans investigation also indicates that the former Zero facility received a notice of violation from the City of Burbank Public Works Department in 1975 for discharging wastewater with elevated chromium concentrations.

According to the 2012 Geosyntec report, to further evaluate CrVI conditions in soil at the site, 5 borings were advanced in the vicinity of former clarifiers, and soil samples were retrieved from each boring at 5-foot intervals from 5 feet bgs to the maximum investigation depth of 20 feet bgs. Geosyntec reports that CrVI was detected in 4 of the 20 retrieved soil samples at concentrations that did not exceed the residential CHSSL, which was the risk-based threshold in place at the time. In their response to the Geosyntec investigation report, a subsequent directive dated June 3, 2015, from the RWQCB indicated that additional investigation is required around former boring SS-4, located near a former 3-stage clarifier based on the findings of Geosyntec's initial investigation. In 2016, Geosyntec performed supplemental evaluation around SS-4 consisting of the installation of a soil boring to 40 feet bgs. Laboratory analyses of soil samples retrieved from discrete intervals in the boring revealed a detectable concentration of CrVI at 35 ft bgs significantly less than the applicable soil screening level; no CrVI was detected in the deeper soil sample retrieved from 40 ft bg. Geosyntec concluded that the comprehensive investigation data for CrVI indicate that the vertical distribution of detections of CrVI are inconsistent with historical releases of CrVI that would have impacted groundwater and are not evidence to suggest that historical site activities contributed to the groundwater basin's regional CrVI contamination. Geosyntec recommended no further investigation with respect to CrVI at the site. Although the LA-RWQCB reportedly committed to extending CrVI to the existing Certificate of Completion for the site, correspondence records on the RWQCB Geotracker database do not include a response from the agency confirming no further action as to CrVI contamination is required; therefore, the open status of the CrVI investigation remains a REC until agency concurrence is received.

- **Regional Superfund Groundwater Plumes** – The site is within the boundaries of the San Fernando Valley Area 2 (Crystal Springs) Superfund Site. Groundwater contamination with VOCs and metals (specifically CrVI) associated with the Superfund site has undergone investigation in the region since 1979. The former site owner, Zero (later known as APW), is an identified potentially responsible party (PRP) in the Superfund Site. The US EPA assigned management of the Superfund PRP investigation to the RWQCB in 1998. Groundwater monitoring data for the site area is sparse given the location of existing groundwater monitoring wells. Blackstone understands that the LA-RWQCB has requested the installation of at least one groundwater monitoring well at the site to evaluate current groundwater conditions in this area of the regional plumes. Additionally, the FYR indicates that potential for vapor intrusion concerns from volatilization from underlying groundwater exist in Area 2; however, field data necessary to determine whether any such pathways exist has not been required as part of the Superfund monitoring. In 2000, the US EPA recorded an agreement and Covenant Not to Sue (Covenant) with FLDC, a potential site developer identified as the Settling Respondent.

In exchange for the issuance of the Covenant, FLDC agreed to pay \$150,000 to the US EPA within a specified time period of taking ownership of the site. Blackstone understands the Covenant established with the US EPA remains applicable, with the LA-RWQCB maintaining independent jurisdiction of certain environmental conditions at the site. Geosyntec's updated 2018 GIA, performed to evaluate whether soil impacts identified at the site pose a threat to groundwater, indicated a potential for VOCs to enter groundwater under current and future site conditions. UP EPA's active regulatory status of the Superfund groundwater plumes in the area of the site and the potential for soil vapor intrusion from the underlying plumes is considered a REC and will continue to be evaluated as part of redevelopment of the site.

The following *Business Environmental Risk Issues* were identified in connection with the site:

- **Asbestos-Containing Materials (ACM):** Based on the construction date of the former site buildings (1960s) and Blackstone's limited visual survey, Blackstone recommends conducting a comprehensive pre-demolition survey to identify and characterize residual potential ACM at the site, including remaining floor tiles observed on the remnant building foundations. All potentially impacted ACM should be removed from the site structures in accordance with applicable regulations prior to demolition.
- **Underground Product Pipelines:** A correspondence from Mobil Oil Company in 1967 objected to construction of a Zero building over a pipeline reportedly located in the southern portion of the site. According to the National Pipeline Mapping System, a crude oil pipeline operated by ExxonMobil Oil Corporation remains active and traverses the southern portion of the site. No pipeline markers were observed at the site during the site inspection. The status of this pipeline should be confirmed and adequately accounted for prior to the proposed redevelopment at the site.

This section is only intended to represent a brief summary of our findings and is not a detailed account of all the information provided in this report. The report should be reviewed in its entirety prior to drawing any final conclusions as to potential environmental conditions associated with the site.

1.0 INTRODUCTION

1.1 PURPOSE

Blackstone Consulting LLC (Blackstone) performed a Phase I Environmental Site Assessment (Phase I ESA) of the parcel located at 777 North Front Street in Burbank, Los Angeles County, California (site).

The purpose of this Phase I ESA is to investigate and identify *recognized environmental conditions* (RECs) associated with the site and/or surrounding properties. ASTM Standard Practice E 1527-13 defines RECs as:

The presence or likely presence of any hazardous substances or petroleum products in, on, or at a property due to any release to the environment, under conditions indicative of a release to the environment, or under conditions that pose a material threat of a future release to the environment. De minimis conditions are not recognized environmental conditions.

A *de minimis condition* is a condition that generally does not present a threat to human health or the *environment* and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies.

Additionally, this Phase I ESA was conducted to identify *controlled recognized environmental conditions* (CRECs) associated with the site and/or surrounding properties. ASTM Standard Practice E 1527-13 defines CRECs as:

A recognized environmental condition resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority (for example, as evidenced by the issuance of a no further action letter or equivalent, or meeting risk-based criteria established by a regulatory authority), with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls).

This Phase I ESA also was conducted to identify *historical recognized environmental conditions* (HRECs) associated with the site and/or surrounding properties. ASTM Standard Practice E 1527-13 defines HRECs as:

A past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls).

This practice is generally intended for the User to satisfy one of the requirements to qualify for the *innocent landowner, contiguous property owner, or bona fide prospective purchaser* limitations on CERCLA liability; that is, this practice constitutes all appropriate inquiries (AAI) into the

previous ownership and uses of the site consistent with good commercial or customary practice as defined at 42 U.S.C. §9601(35)(B) and the regulations at 40 CFR Part 312.

ASTM *Non-Scope Considerations (Business Environmental Risk Issues)* are detailed in Section 1.3 and outlined in the November 9, 2015 proposal (Agreement) between 4Terra-LA I LLC and Blackstone.

1.2 SPECIAL TERMS AND CONDITIONS

This Phase I ESA has been conducted in accordance with ASTM Standard Practice E 1527-13, the regulations at 40 CFR Part 312, and the Agreement between 4Terra-LA I LLC and Blackstone. Qualifications of the professionals conducting this assessment have been provided in Appendix H.

Blackstone performed the professional services, obtained findings, rendered conclusions, and prepared recommendations in accordance with generally accepted practices of other environmental consultants undertaking similar assessments at the same time in the same geographical area.

Historical and environmental information pertaining to the site has been included in this report to the extent that such information is *practically reviewable*, as defined in the above-referenced standard practice.

1.3 SCOPE OF SERVICES

As detailed in the Agreement, this Phase I ESA was conducted in accordance with the industry standard ASTM Standard Practice E 1527-13 and as such in accordance with all appropriate inquiries (AAI) into the previous ownership and uses of the site consistent with good commercial or customary practice as defined at 42 U.S.C. §9601(35)(B) and the regulations at 40 CFR Part 312. This Phase I ESA included the following services:

1. A site inspection to identify and evaluate potential sources of RECs such as underground storage tanks (USTs), aboveground storage tanks (ASTs), equipment containing polychlorinated biphenyls (PCBs), waste and chemical storage areas, and wastewater and stormwater discharges. The inspection included observations for evidence of chemical spills, releases, or on site waste disposal.
2. A review of site records and interviews with site representatives with regard to current and former site operations to identify known or potential environmental concerns.
3. A visual survey of the properties in the vicinity of the site to evaluate the potential for RECs at the site from these properties.
4. A review of historical information to identify RECs at the site from historic on-site and off-site uses. To the extent feasible under the conditions of the assessment, the historical

information obtained included verbal information from site and/or local agency representatives. In addition, some or all of the following records, where *publicly available* and *practically reviewable*, were reviewed: construction plans, zoning maps, building permits, property record cards, topographic maps, fire insurance maps, historical city directories, and aerial photographs.

5. A review of State and Federal environmental database information.

Blackstone also performed the following activities to identify ASTM *Non-Scope Considerations (Business Environmental Risk Issues)* in addition to the ASTM requirements and as required per the Agreement:

Document research, visual and/or sampling surveys, and interviews for the presence of:

- Air Emissions,
- Asbestos-containing materials (ACM),
- Lead-based paint (LBP),
- Radon,
- Wetlands,
- Apparent mold growth (AMG) and water intrusion,
- Lead in Drinking Water,
- Potable/Irrigation Groundwater Well Survey, and
- Oil and Gas Survey.

The scope of this Phase I ESA did not include surface water, soil, soil vapor, or groundwater sampling. Consequently, conclusions provided with regard to surface water, soil, soil vapor, and groundwater impacts are limited to those that can be formed based on a non-intrusive investigation. The absence of environmental hazards in the subsurface cannot be guaranteed based on conditions observed on the surface.

Where performed, the limited ACM, LBP, AMG, and radon surveys are intended to provide an indication of the potential for significant environmental issues associated with these ASTM *Non-Scope Considerations (Business Environmental Risk Issues)*. Hidden materials or locations such as those inside walls, inaccessible attics, crawl spaces, and inside ductwork and piping were not evaluated. As such, these surveys should not be regarded as comprehensive surveys for demolition or renovation purposes or indoor air quality health risk assessments, vapor intrusion into buildings, or explosion hazards.

1.4 SIGNIFICANT ASSUMPTIONS AND DATA GAPS

The site inspection consisted of a walkover of the site perimeter and site areas. Blackstone was not accompanied during the site inspection. During the site inspection, Blackstone did not inspect inaccessible areas of the site including under soil stockpiles or inside clarifiers. The adjoining properties were visually observed from curbside without being entered. There is no reason to

believe the inability to inspect these areas would alter the findings or recommendations set forth in this report or be considered a significant data gap.

The historical information reviewed for the site did not confirm the first developed use of the site. *Data failure*, as defined by ASTM, has occurred in attempting to identify obvious uses of the site back to the first developed use, or back to 1940, whichever is earlier. Information regarding the use of the site prior to 1928 was not available from the *standard historical sources* (including available aerial photographs, fire insurance maps, property tax files, recorded land title records, USGS topographic maps, local street directories, building department records, or zoning/land use records). There were no other reasonably ascertainable historical sources available for review that were considered sufficiently useful. It is the opinion of Blackstone that the data failure does not represent a significant data gap that impacts our ability to identify RECs.

Conclusions stated herein are based upon publicly available information and other documented sources. Blackstone has assumed, where reasonable, that the information reviewed is true and accurate. Blackstone assumes no responsibility for inaccurate information that is not otherwise obvious in light of information of which Blackstone has actual knowledge. Blackstone's site observations are of the conditions observed at the time of the assessment.

Blackstone reviewed an environmental database search report. Blackstone's conclusions based on the search report are limited to the accuracy of that report. To the extent possible, Blackstone's field observations are used to verify the information or identify errors and inconsistencies in the search report regarding the listed facilities in the immediate vicinity of the site.

This report provides an estimation of groundwater flow direction at the site based on visual observations and topographical data. This assessment did not include groundwater sampling and water table elevation measurement. True groundwater flow direction can only be determined through direct measurement of groundwater elevations from properly installed on-site groundwater monitoring wells. The groundwater flow direction estimation should not be considered a true measurement of groundwater flow direction.

2.0 USER PROVIDED INFORMATION

As defined under ASTM Standard Practice E 1527-13, SJ4 Burbank LLC is considered the “User” of this Phase I ESA report. To qualify for one of the *Landowner Liability Protections (LLPs)* offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2002 (the “*Brownfields Amendments*”), the User must provide certain information based on their relationship to the purpose of the due diligence and as required by 40 CFR 312.25, 312.28, 312.29, 312.30, and 312.31.

As part of this Phase I ESA, Blackstone requested certain information from the User. A copy of the User Questionnaire is provided in Appendix F. The information requested and associated responses are outlined below in Sections 2.2 through 2.4.

2.1 REASON FOR PERFORMING THE PHASE I ESA

Blackstone understands that this assessment was performed for SJ4 Burbank LLC as the potential purchaser of the site. As such, this Phase I ESA was conducted in an effort to qualify for the *innocent landowner, contiguous property owner, and bona fide prospective purchaser* defense to CERCLA liability and performed as an appropriate risk management and due diligence standard for real estate transactions in accordance with general industry standards which include ASTM Standard E 1527-13 and the regulations at 40 CFR Part 312. Blackstone also understands that this document may be submitted to the Los Angeles Regional Water Quality Control Board (LA-RWQCB), as a Phase I ESA is a requirement for admission to that agency’s California Land Reuse and Revitalization (CLRRRA) program.

2.2 ENVIRONMENTAL LIENS AND ACTIVITY USE AND LIMITATIONS (AULS)

With reference to environmental liens that are filed or recorded against the site (40 CFR 312.25) in recorded land title records or judicial records, the User did not provide this information to Blackstone.

With reference to activity and use limitations (AULs) that are in place on the site or that have been filed or recorded against the site (40 CFR 312.26(a)(1)(v) and (vi)) in recorded land title records or judicial records, the User did not provide this information to Blackstone.

PENDING: The User requested Blackstone to perform an environmental lien and AUL search as part of the scope of work. Refer to Section 6.6 for a discussion of the environmental lien and AUL search. In addition, in accordance with ASTM E 1527-13, Blackstone reviewed an environmental database search report that included a search of institutional control and engineering control databases as further discussed in Section 7.0.

The User indicated that the site is subject to an “Agreement and Covenant Not to Sue” by and between the United Environmental Protection Agency (US EPA) and Ford Leasing Development Company, dated March 16, 2000, which was recorded July 28, 2000, together with a “Notice of Agreement And Covenant Not To Sue, Between The U.S. Environmental Protection Agency And

Ford Leasing Development Company, including access rights to real property,” as document #00 1062454, official records of Los Angeles County, California.

The User provided Blackstone with a preliminary Title Report for the property, dated October 28, 2015. The Title Report identifies Northridge Properties, LLC, a California limited liability company, as the vested interest. Item 17 of Schedule B of the Title Report also notes that Zero Manufacturing Company, a Corporation, applied for a permit to encroach of City of Burbank Property in 1998 to install Soil Vapor Extraction and Monitoring Well. The previous site occupant and related past remediation at the site are discussed in greater detail in Section 6.7.

2.3 SPECIALIZED KNOWLEDGE, COMMONLY KNOWN & DEGREE OF OBVIOUSNESS

With reference to specialized knowledge or experience of the person seeking to qualify for the LLP (40 CFR 312.28), the User indicated they possessed no specialized knowledge or experience related to the site or nearby properties.

With reference to commonly known or *reasonably ascertainable* information about the site (40 CFR 312.30), the User, to the best of their ability, provided commonly known or *reasonably ascertainable* information about the site that would help the *environmental professional* to identify conditions indicative of releases or threatened releases, such as:

1. Past uses of the site;
2. Specific chemicals that are present or once were present at the site;
3. Spills or other chemical releases that have taken place at the site; and
4. Environmental cleanups that have taken place at the site.

The User provided Blackstone with several prior environmental reports for the site, which are discussed in Section 6.7.

With reference to the degree of obviousness of the presence or likely presence of releases or threatened releases at the site, and the ability to detect releases or threatened releases by appropriate investigation (40 CFR 312.31), the User provided Blackstone with prior environmental reports for the site that are further discussed in Section 6.7. The User also provided the preliminary waste profiling laboratory analysis for drill cuttings from an on-site geotechnical investigation boring, which reportedly did not meet hazardous waste criteria (the lab reports and soil boring diagram are included in Appendix D).

2.4 VALUE REDUCTION FOR ENVIRONMENTAL ISSUES

With reference to the relationship of the purchase price to the fair market value of the site if it were not contaminated (40 CFR 312.29), the User indicated that, to their knowledge, the purchase price of the site reasonably reflects the fair market value of the site *and* has not been reduced due to contamination known or believed to be present at the site.

2.5 OWNER, KEY SITE MANAGER, AND OCCUPANT INFORMATION

An Owner's Representative completed an Owner Questionnaire and provided available environmental reports for the site, which are discussed further in Section 6.7. A copy of the Owner Questionnaire is provided as Appendix G.

2.6 PAST OWNERS, OPERATORS AND OCCUPANT INTERVIEWS

In accordance with ASTM Standard Practice E 1527-13, interviews with past owners, operators, and occupants shall be conducted to the extent that they have been identified and that the information likely to be obtained is not duplicative of information already obtained. There is no reason to believe that such interviews were necessary for this site or would alter the findings or recommendations set forth in this report.

2.7 RELIANCE

This report may be relied upon by SJ4 Burbank LLC, 4-Terra-LA I LLC, 4Terra Investments, and JLB Realty LLC and each of its affiliates, attorneys, lenders, investors and each of their assigns subject to the terms and conditions of the Agreement between 4Terra-LA I LLC and Blackstone. No other person may rely on this report without written authorization from Blackstone and SJ4 Burbank LLC. If any of the above limitations conflict with the Agreement, the Agreement governs.

3.0 SITE DESCRIPTION

The site is located at 777 North Front Street in Burbank, Los Angeles County, California. A Site Location Map, depicted on the U.S. Geological Survey (USGS) *Burbank, California*, topographic quadrangle, is included in Appendix A.

3.1 SITE CHARACTERISTICS AND FEATURES

Street Address:	777 North Front Street
City and State:	Burbank, California
County:	Los Angeles
Legal Description:	Los Angeles County Assessor Parcel Number: 2449-037-013
Owner(s):	Northridge Properties, LLC, A California limited liability company
Site Size:	Approximately 8.0 acres
Zoning:	AD (Auto Dealership)
Site Use:	Vacant
Year(s) Built:	Not applicable; no buildings currently occupy the site. Foundations remain on the site from building constructed in the 1960s.

Structure(s)	<i>Location On Site</i>	<i>Number of Stories</i>	<i>Size (approx. square feet)</i>
Foundations and pads	Throughout	-	-
Construction Materials	Concrete		
Heating/Cooling Systems:	None		

Other Site Features:	Historical site buildings have been demolished, but former building foundations and parking areas remain at the site. The eastern and northern portions of the site are occupied by considerably large soil piles and gravel storage apparently staged by the California Department of Transportation (Cal-Trans) for use at an off-site construction project. Evidence of former manufacturing features, such as former clarifiers, drains, restrooms, trench drains and other past in-ground features were observed throughout the site. Evidence of environmental investigation, including current monitoring borings and former exploration borings, were also observed at the site.
Proposed Site Use:	Blackstone understands that the site is proposed to be redeveloped with mixed residential and commercial uses, specifically multi-family residential apartments, a hotel, limited ground-level commercial uses, underground and aboveground parking levels, and recreational spaces, that will include a park and bicycle hub with amphitheater-style seating. The site's development plans are subject to change, such as during the permitting process with the local building and development agency.

A Site Plan and Site Photographs are provided in Appendix A.

3.2 UTILITIES

Electricity Provider:	Not provided
Natural Gas Provider:	Not provided
Potable Water:	Not provided
Sewer Services:	Not provided

According to the City of Burbank, the most recent former site buildings were once connected to the municipal system for sanitary sewer disposal and potable water supply.

RECs identified at the site are discussed in greater detail in Section 6.7.

4.0 VICINITY RECONNAISSANCE

The site is located in Burbank, Los Angeles County, California, within an area characterized by commercial warehouse/distribution and residential development. Adjoining property use is summarized as follows:

Northeast: A permanent Cal-Trans easement immediately adjoins the northeastern portion of the site; the former Front Street and Interstate 5 followed by a large mixed-used retail and commercial area

Southeast: Vacant lot utilized for parking and light pole storage

Southwest: North Front Street immediately adjoins the site; followed by a railroad easement then a large industrial area farther to the southwest, which includes a lumber company (5 West Magnolia Boulevard) and a City of Burbank water reclamation plant (740 North Lake Street)

Northwest: An embankment that supports East Burbank Boulevard and an Interstate 5 access ramp

Source	Findings
Field observations	Blackstone observed no industrial, manufacturing or military operations such as outdoor chemical or hazardous waste storage or handling activities that may impact the site and no evidence of chemical spills, releases, or waste disposal. Blackstone identified no outdoor chemical or waste storage, wastewater treatment facilities, or other operations that may impact the site and no pits, ponds or lagoons for apparent discharge and/or treatment of process water.
Environmental databases search	Adjoining and/or nearby properties identified on the environmental databases searched are discussed further in Section 7.0.

No RECs were identified as a result of the vicinity reconnaissance.

5.0 PHYSICAL SETTING

	<i>Findings</i>	<i>Sources of Findings</i>
Surficial Soils Beneath Site	Urban land	EDR Report
Bedrock Identification	Stratified sequence of the Mesozoic era	EDR Report
Depth to Bedrock	Greater than 100 feet bgs	California Water Resources Control Board, Geotracker website
Topography	The general site vicinity is moderately sloping with an overall area declination to the southwest.	Site observation and USGS <i>Burbank, California</i> , topographic map
Elevation	Approximately 582 feet NAVD	USGS <i>Burbank, California</i> , topographic map
Depth to Shallow Groundwater	Approximately 83-100 feet bgs	Previous site investigations, California Water Resources Control Board, Geotracker website

bgs: below ground surface

EDR Report: Environmental Data Resources Database Report with GeoCheck®

NAVD: North American Vertical Datum, 1988

USGS: United States Geological Survey

Previous Site Investigations: Section 6.7 Previous Environmental Reports

No RECs were identified as a result of the physical setting records review.

6.0 HISTORICAL INFORMATION REVIEW

As part of this Phase I ESA, Blackstone reviewed historical information to identify RECs associated with the historical use of the site and surrounding properties. Blackstone obtained historical information from interviews with individuals familiar with the site as well as aerial photographs, historical maps, and other *practically reviewable* standard historical sources that are considered *reasonably ascertainable*.

6.1 HISTORICAL FIRE INSURANCE MAPS

Environmental Data Resources, Inc. (EDR) conducted a search of available historical fire insurance maps for the site and site vicinity. Historical fire insurance maps are scaled drawings that indicate the location and use of building structures present in a given area from as early as the late 1800s. The maps provide information regarding the development and historical use of site structures and can indicate the historical presence of tanks at the site and other potential environmental concerns.

Sanborn Fire Insurance Company maps were available for the site from EDR. Select Sanborn maps are reproduced in Appendix B and are summarized as follows:

Year	Sanborn Fire Insurance Maps: Development/Land Uses/Occupants	
	Site	Adjoining Properties
1941	The northwest portion of the site is not depicted. The central portion of the site is depicted with four structures associated with the General Water Heater Corporation. The buildings in the central portion of the site are a boiler shop, a galvanizing and foundry building, an assembly, stockroom and machine shop building with spray-painting and lumber room and a storage building. A rail spur serves an assembly, stockroom and machine shop building. The southeast portion of the site is depicted with two office buildings.	The surrounding properties are not depicted.
1949	The site is depicted similar to the previous map.	The surrounding properties are not depicted.

Year	Sanborn Fire Insurance Maps: Development/Land Uses/Occupants	
	Site	Adjoining Properties
1950	The northwest portion of the site is depicted with a metal working building. An oil tank (un-detailed capacity) is depicted adjacent to the metal working building. The central portion of the site is depicted with six structures associated with the General Water Heater Corporation. The buildings in the central portion of the site are a boiler shop, a galvanizing and foundry building, an assembly, stockroom and machine shop building with spray-painting and plating rooms, two storage buildings and an office. A rail spur serves the boiler shop and the assembly, stockroom and machine shop building. The southeast portion of the site is depicted with two office buildings.	The properties to the northeast beyond State Highway 99 (the current abandoned North Front Street that adjoins the site to the northeast and east) are depicted as dwellings. The property to the southeast is depicted as undeveloped. The properties to the southwest beyond North Flower Street (present-day North Front Street) and a railroad are partially depicted as manufacturing building. The property to the northwest is not depicted.
1957	The northwest portion of the site is depicted with a metal working building. An oil tank (un-detailed capacity) is depicted adjacent to the building. The buildings in the central portion of the site are a boiler shop, a welding building, storage buildings, an assembly, stockroom and machine shop building with spray-painting and plating rooms, two storage buildings and an office. A rail spur serves the boiler shop and the assembly, stockroom and machine shop building. The southeast portion of the site is depicted with two office buildings and parking.	The adjoining properties are depicted similar to the previous map.
1960	The site is depicted similar to the previous map	The properties to the northeast beyond State Highway 99 (abandoned North Front Street, east-adjointing of the site) and Interstate 5 are depicted as dwellings. The property to the southeast is not depicted. The properties to the southwest beyond a railroad and North Flower Street (present-day North Front Street) are partially depicted as manufacturing buildings. The property to the northwest is not depicted.

Year	Sanborn Fire Insurance Maps: Development/Land Uses/Occupants	
	Site	Adjoining Properties
1968	The buildings formerly associated with General and depicted on earlier Sanborn Maps appear to have been demolished. The northwest portion of the site is depicted with a large machine shop with an attached parts warehouse. The central portion of the site is depicted with several structures associated with Zero Manufacturing Corporation (Zero). The buildings in the central portion of the site are several machine shops, offices, warehouses, and storage buildings. All of the buildings are depicted with concrete surfaces. A rail spur serves the machine shops in the central portion of the site. The southeast portion of the site is depicted with a parking lot.	The properties to the northeast beyond State Highway 99 (abandoned North Front Street, east-adjointing of the site) and Interstate 5 are depicted as dwellings. The property to the southeast is not depicted. The properties to the southwest beyond a railroad and North Flower Street (present-day North Front Street) are partially depicted as manufacturing buildings and sediment tanks. The property to the northwest is not depicted.
1970	There are four large warehouses depicted at the site similar to the foundations observed during the site inspection. There are also three smaller structures depicted in the central portion of the site. The site is still depicted as occupied by Zero. The northwest portion of the site is depicted with a large machine shop with an attached foam products manufacturing room. The central portion of the site is depicted with two warehouses and three smaller machine shops and storage buildings. All of the buildings are depicted with concrete surfaces. A rail spur serves the machine shops in the central portion of the site. The southeast portion of the site is depicted with another manufacturing building associated with Zero.	The adjoining properties are depicted similar to the previous map.

Findings: As further discussed in Section 6.7, the presence of environmental impacts associated with historical site uses and the current environmental regulatory status of the site are considered a REC.

6.2 AERIAL PHOTOGRAPHS

Aerial photographs of the site area were obtained from EDR. The aerial photographs are reproduced in Appendix B and are summarized as follows:

Year	Aerial Photographs: Development/Land Uses	
	Site	Adjoining Properties
1928	Dwellings are visible in the eastern portion of the site. The remainder of the site is undeveloped land. A dirt road (Future location of North Front Street) traverses the western portion of the site from the northwest to the southeast.	Dwellings are visible to the northeast. Undeveloped land is visible to the southeast, southwest beyond a railroad and northwest.
1938	The site appears similar to the previous photograph.	The adjoining properties appear similar to the previous aerial photograph.
1940	A large manufacturing building and two smaller associated buildings are visible in the central portion of the site. The dwellings previously in the 1928 and 1938 photographs are still visible. A dirt road (future location of North Front Street) traverses the western portion of the site from the northwest to the southeast. A rail spur is located on the western portion of the site. The northwest and southeast portions of the site are undeveloped.	The adjoining properties appear similar to the previous aerial photograph except a few manufacturing buildings are visible farther southwest.
1952	The site footprint has been significantly enlarged to the northeast as the dwellings formerly visible has been razed and replaced with structures and paved parking areas. Two manufacturing buildings are visible in the northwest and central portions of the site. Several smaller associated manufacturing structures are also visible in the central portion of the site. The southeast portion of the site is depicted with two office type buildings and unpaved parking. A rail spur is located on the western portion of the site.	Dwellings are visible to the northeast beyond the present-day abandoned North Front Street and Interstate 5 (smaller version than present-day). A commercial building is visible to the southeast. Manufacturing buildings are visible to the southwest beyond a railroad. Undeveloped land is visible to the northwest beyond East Burbank Boulevard.

Year	Aerial Photographs: Development/Land Uses	
	Site	Adjoining Properties
1954	Two manufacturing buildings are visible in the northwest and central portions of the site. The building in the northwest portion of the site now includes an additional structure. Several smaller associated manufacturing structures are also visible in the central portion of the site. The southeast portion of the site is depicted with two office type buildings and paved parking. A rail spur is located on the western portion of the site.	The adjoining properties appear similar to the previous aerial photograph.
1964	The northwest portion of the site is vacant. The formerly visible manufacturing building has been razed. Excavation for a present-day stormwater channel is visible in the northwest portion of the site. The central and southeast portions of the site are relatively unchanged since 1954. A rail spur is located on the western portion of the site.	Dwellings are visible to the northeast beyond the present-day abandoned North Front Street and Interstate 5. Interstate 5 has been significantly widened. A commercial building is visible to the southeast. Manufacturing buildings are visible to the southwest beyond a railroad. Undeveloped land is visible to the northwest beyond East Burbank Boulevard.
1972	Four connected manufacturing buildings are visible from the northwest to the southeast. There are also two associated structures located in the central portion of the site. Parking for the site is located west of the four manufacturing buildings in the present-day location of North Front Street.	Commercial buildings and dwellings are visible to the northeast beyond the abandoned North Front Street and Interstate 5. A commercial building is visible to the southeast. Manufacturing buildings, an equipment yard and the present-day wastewater treatment plant are visible to the southwest beyond the site parking lot, and a railroad. Undeveloped land is visible to the northwest beyond East Burbank Boulevard.
1979	The site appears similar to the previous photograph.	The adjoining properties appear similar to the previous aerial photograph.
1983	The site appears similar to the previous photograph.	The adjoining properties appear similar to the previous aerial photograph.
1989	The site appears similar to the previous photograph.	Vacant land is visible to the northeast beyond the present-day abandoned North Front Street and Interstate 5. A commercial building is visible to the southeast. Present-day buildings are visible to the southwest beyond the site parking lot, and railroad. Undeveloped land is visible to the northwest beyond East Burbank Boulevard.

Year	Aerial Photographs: Development/Land Uses	
	<i>Site</i>	<i>Adjoining Properties</i>
1994	The site appears similar to the previous photograph.	Present-day commercial buildings and vacant land is visible adjoining to the northeast beyond the present-day abandoned North Front Street and Interstate 5. A parking lot is visible adjoining to the southeast. Present-day buildings are visible adjoining to the southwest beyond a railroad. Undeveloped land is visible to the northwest beyond East Burbank Boulevard.
2002	The site appears similar to the previous photograph except parking on the western portion of the site is now the present-day location of North Front Street.	Present-day commercial buildings are visible to the northeast beyond the present-day abandoned North Front Street and Interstate 5. A parking lot is visible to the southeast. Present-day buildings are visible to the southwest beyond a railroad and present-day location of North Front Street. Undeveloped land is visible to the northwest beyond East Burbank Boulevard.
2005	The former buildings have been razed and the site is vacant except for the concrete foundations.	The adjoining properties appear similar to the previous aerial photograph.
2009	The site appears similar to the previous photograph.	The adjoining properties appear similar to the previous aerial photograph.
2010	The site appears similar to the previous photograph.	The adjoining properties appear similar to the previous aerial photograph.
2012	The site appears similar to the previous photograph.	The adjoining properties appear similar to the previous aerial photograph.

Findings: As further discussed in Section 6.7, the presence of environmental impacts associated with historical site uses and the current environmental regulatory status of the site are considered a REC.

6.3 HISTORICAL TOPOGRAPHIC MAPS

Historical topographic maps of the site area were obtained from EDR. The historical topographic maps are included in Appendix B and are summarized as follows:

Year	Historical Topographic Maps: Development/Land Uses	
	<i>Site</i>	<i>Adjoining Properties</i>
1894	The entire area is depicted with no shading (indicative of undeveloped and/or agricultural land)	The entire area is depicted with no shading. The present-day railroad is depicted adjoining to the southwest of the site.
1896	Similar to previous topographic map	Similar to previous topographic map
1898	Similar to previous topographic map	Similar to previous topographic map
1900	Similar to previous topographic map	Similar to previous topographic map
1900		
1902		
1921		
1926		

Year	Historical Topographic Maps: Development/Land Uses	
	Site	Adjoining Properties
1948	The entire area is depicted with a manufacturing building	The property adjoining to the northeast is depicted with pink shading. The property adjoining to the southeast is depicted with no shading. The property adjoining to the southwest beyond the railroad is depicted with manufacturing buildings. The property adjoining to the northwest is depicted with no shading.
1953	The site is depicted with pink shading. No structure is depicted.	The entire area is depicted with pink shading. The present-day railroad is depicted adjoining to the southwest of the site.
1966	The entire area is depicted with several manufacturing buildings	The property adjoining to the northeast is depicted with pink shading. The property adjoining to the southeast is depicted with no shading. The property adjoining to the southwest beyond the railroad is depicted with pink shading. The property adjoining to the northwest is depicted with no shading.
1972	Similar to previous topographic map	Similar to previous topographic map
1994	Similar to previous topographic map	Similar to previous topographic map
2012	The entire area is depicted with no shading (indicative of developed and/or urban land)	The entire area is depicted with no shading. The present-day railroad is depicted adjoining to the southwest of the site.

Findings: As further discussed in Section 6.7, the presence of environmental impacts associated with historical site uses and the current environmental regulatory status of the site are considered a REC. No other RECs were identified as a result of the review of historical topographic maps.

6.4 AGENCY RECORDS, INTERVIEWS AND OTHER HISTORICAL SOURCES

In accordance with ASTM E1527-13, Blackstone requested site history and/or regulatory information regarding the site from federal, state and/or local government officials. Information regarding the site is obtained from regulatory agency officials either by:

- 1) Conducting interviews by telephone or in-person at various federal, state and/or local agencies; or
- 2) Requesting file information via submission of an open records request to the appropriate agency contact based upon applicable agency requirements, and in accordance with the Freedom of Information Act (FOIA).

Findings from the interviews/records review are summarized below:

<i>Source</i>	<i>Information Requested</i>	<i>Findings</i>
United States Environmental Protection Agency (USEPA)	NPL and archived NPL sites	Information provided on the US EPA website for the on-going monitoring of the regional Superfund groundwater site is discussed in greater detail in Section 6.7. Blackstone participated in an introductory phone conference between the EPA case manager, User, Owner and counsel January 7, 2016.
United States Geological Survey	Active well information	No records were identified for the site.
CWRCB via online GEOTRACKER database	Underground storage tanks (USTs)/depth to groundwater/spills, leaks and clean-up sites	The site is listed as Ford Leasing Development Company (Former Zero Corp) in the Geotracker website. The nature of the listing appears consistent with the recent RWQCB orders to investigate the site. These orders, related reports and the on-going investigation are discussed further in Section 6.7.
Los Angeles Regional Water Quality Control Board	Underground storage tanks (USTs)/depth to groundwater/spills, leaks and clean-up sites	Information related to the RWQCB on-going management of the regional Superfund groundwater site is discussed in greater detail in Section 6.7.
California Department of Toxic Substances Control via on-line ENVIROSTOR database	Underground storage tanks, spills, leaks and clean-up sites	No listings for the site.
CA Department of Conservation, Division of Oil, Gas and Geothermal on-line database and Munger Map Book, 2001	Oil, gas, or geothermal wells	No active, dry, or plugged wells were identified the on-site or in the surrounding area.
National Pipeline Mapping System online database	Pipeline locations	An active crude oil transmission pipeline operated by ExxonMobil Oil Corporation is mapped traversing the southern portion of the site. No pipeline makers were observed at the site during the site inspection. The presence of this pipeline is considered a Business Environmental Risk Issue for the proposed redevelopment.

South Coast Air Quality Management District (AQMD) Facility Information Detail (FIND) online database	AQMD permits/violations	The AQMD FIND website details 30 inactive permits issued to Zero Corporation and dated between 1969 and 1990 for operation of various systems including degreasers, a chlorinated storage tank, spray booths with solvents and ovens. Two permits from 1996 detail operation of a vapor extraction system to treat volatile organic compounds in soil. Historical site uses and the past remediation at the site are discussed in greater detail in Section 6.7.
Los Angeles County Assessor	Property construction dates/land size	Incorporated into the appropriate report sections. Adjoining property information was also obtained. No environmental conditions noted.
Los Angeles County Department of Public Works (LACoDPW)	Methane Zone Information	The site is not located within a Methane Zone.
Los Angeles County Department of Public Health	Records of water wells and septic systems	No current listings for the site.
Burbank Fire Department	Aboveground and/or underground storage tanks (ASTs/USTs), past hazardous materials spills, and/or any emergency environmental responses or incidents	Blackstone submitted a FOIA request to this agency, but a response has not been received and these records are not considered reasonably ascertainable for inclusion in this report.
Burbank Department of Building and Safety	Building records	Numerous general building, plumbing and electrical permits were on file. No records of environmental concern were identified.
Burbank Planning Department	Zoning information	C2-1VL (General Commercial)

Findings: As further discussed in Section 6.7, the presence of environmental impacts associated with historical site uses and the current environmental regulatory status of the site are considered a REC.

6.5 CITY DIRECTORIES

Blackstone requested a city directory review for the site address from EDR. City directories were reviewed at approximately five-year intervals for the years spanning 1911 through 2013.

City Directory Review		
<i>Site Listings</i>		
<i>Address</i>	<i>Occupant</i>	<i>Years</i>
777 North Front Street	Western Moving and Storage	1995

City Directory Review			
Site Listings			
	Ocean Technology/Zero Manufacturing	1967-1991	
City Directory Review			
Adjoining Property Listings*			
Address	Occupant	Years	Direction
5 West Magnolia Boulevard	Protection Products/Swanner Hardwood	1950-2006	Southwest
	B A Master Gasoline Station	1937-1942	
740 North Lake Street	Not listed	1920-2013	Southwest
*not all adjoining property addresses included in city directory abstract			

Findings: As further discussed in Section 6.7, the presence of environmental impacts associated with historical site uses and the current environmental regulatory status of the site are considered a REC.

6.6 ENVIRONMENTAL LIEN/AUL SEARCH

Blackstone independently obtained an environmental lien and activity & use limitation (AUL) search report from EDR. The lien and AUL report includes results from a search of available current land title records for environmental cleanup liens and other AULs, such as engineering controls and institutional controls. Review of the lien and AUL search report did not indicate evidence of environmental cleanup liens against the site or AULs having been filed or recorded under federal, tribal, state or local law. The lien and AUL search report is included in Appendix C.

6.7 PREVIOUS ENVIRONMENTAL REPORTS

To generate this summary, Blackstone reviewed numerous technical reports, agency correspondence, permits, work plans and other documents related to the environmental status of the site that were provided by the current site owner, Northridge Properties LLC (Northridge), to support due diligence review. Of the voluminous materials provided, Blackstone identified the following salient documents primarily used to support this summary, listed in date order:

- *Health Risk Assessment and Environmental Fate Analysis of Volatile Organic Contamination in Soil, Soil Vapor and Groundwater at the Hyrail Site, located at 415 North Front Street, Burbank, California*, prepared by Leighton and Associates, Inc. (Leighton) for the City of Burbank, dated May 3, 1993
- *Proposed Phase I Shallow Soils Remediation System, Zero Facility, 777 Front Street, Burbank, California*, prepared by Hydro Geo Chem, Inc. (HGC), on behalf of Zero Corporation (Zero) and submitted to the Los Angeles Regional Water Quality Control Board (RWQCB), dated December 18, 1997

- *Agreement and Covenant Not to Sue*, recorded between the United States Environmental Protection Agency (US-EPA) and the Ford Leasing Development Company (FLDC) 2000
- *Results of Site Remediation and Request for No Further Action*, Former APW facility, 777 Front Street, Burbank, California, prepared by HGC on behalf of APW North America, Inc. (APW) and submitted to the RWQCB, dated April 5, 2001
- *Supplemental Site Closure Information*, Former APW Facility, 777 Front Street, Burbank, California, prepared by HGC on behalf of APW and submitted to the RWQCB, dated August 23, 2001
- *No Further Requirements – Former Zero Corporation Facility*, 777 Front Street, Burbank, California, letter prepared by the RWQCB and addressed to APW, dated November 28, 2001 (a Certificate of Completion for the site is enclosed with this letter)
- *Report of Phase I Environmental Site Assessment (Phase I ESA)*, Former Zero Corporation Facility, 777 North Front Street, Burbank, California, prepared by Mactec Engineering and Consulting, Inc. (Mactec), on behalf of Northridge, dated April 5, 2005
- *Environmental Sampling and Analysis Report*, Front Street Property, Burbank, California, prepared by Golder Associated, for FLDC, dated May 2, 2005
- *Parcel Acquisition Site Investigation*, 777 North Front Street, I-5 Southbound, Between Magnolia and Burbank Avenues, Burbank, California, prepared by Ninyo & Moore on behalf of the California Department of Transportation (CalTrans), dated June 30, 2009
- *Requirement for Technical Report*, Pursuant to California Water Code Section 16267, 777 North Front Street, Burbank, California, Former Zero Corporation, by the RWQCB and addressed to Northridge Properties, LLC (Northridge), dated May 10, 2011
- *Approval of Soil Assessment Workplan*, Former Zero Corporation at 777 North Front Street, Burbank, California, by the RWQCB and addressed to Northridge, dated December 20, 2011
- *Soil Assessment Report*, 777 North Front Street, Burbank, California, prepared by Geosyntec Consultants (Geosyntec), on behalf of Northridge for submission to RWQCB, dated September 10, 2012
- *Second Five-Year Review (FYR) Report for San Fernando Valley – Area 2 Superfund Site*, Glendale, Los Angeles County, California, prepared by the United States Army Corps of Engineers for the US-EPA, dated September 30, 2013.
- *Order Requiring a Technical Report Pursuant to California Water Code Section 13267*, Former Zero Corporation Facility, 777 North Front Street, Burbank, California, by the RWQCB and addressed to Northridge, dated June 3, 2015

- *Report Soil Gas Survey and Soil Investigation Eight-Acre Proposed Mixed Use Development, 777 North Front Street, City of Burbank, California*, prepared by Leighton Consulting, Inc., on behalf of SJ4 Burbank, LLC, dated July 12, 2016
- *Human Health Risk Assessment (HHRA), 777 North Front Street, Burbank, California*, prepared by Geosyntec on behalf of Northridge, dated May 2017
- *Technical Memorandum, Addendum to HHRA dated May 2017, 777 North Front Street, Burbank, California*, prepared by Geosyntec on behalf of Northridge, dated January 2018
- *Updated Groundwater Impacts Assessment (GIA), 777 North Front Street, Burbank, California*, prepared by Geosyntec on behalf of Northridge, dated January 2018
- *Supplemental Site Investigation Report, 777 North Front Street, Burbank, California*, prepared by Geosyntec on behalf of Northridge, dated April 2018 (this document reports the findings of Geosyntec's 2017 supplemental investigation of soil vapor and soil at the site)

Based on information provided in previous reports, the site was primarily undeveloped prior to the 1920s. From the 1930s to the mid-1960s, General Water Heater operated a water heater manufacturing facility at the site. Limited information regarding General's operations are available; however, historical resources indicate that structures and site uses during General's site operation included a metal working building with an oil tank, a boiler shop, a galvanizing and foundry building, an assembly, stockroom and machine shop building with spray-painting and plating rooms, storage buildings and offices. General also utilized a rail spur located on the western portion of the site.

In approximately 1961, Zero Manufacturing Corporation (Zero) purchased the facility and operated a manufacturing plant that fabricated metal enclosures and containers from the mid-1960s until approximately 1991. According to the RWQCB, Zero's manufacturing operations included aluminum case drawing and washing, aluminum alodining (a metal coating process), chromate deoxidizing, steel phosphate coating and chromium sealing. The Zero facility was comprised of six buildings and contained paint booths, a water-based paint shop and drying booth, aluminum machining, etching, deoxidizing and cleaning, aluminum vapor degreasing, and grinding. The site also operated 5 clarifiers, two unleaded gasoline underground storage tanks (USTs), exterior chemical storage areas, paint storage areas, an oil storage area, an acid storage area, an acid/caustic soda storage area, and an exterior hazardous waste staging area. An industrial waste permit was also issued to Zero in 1967. Wastes generated onsite included acetone, ketones, 1,1,1-trichloroethane (1,1,1-TCA), waste oil, waste acids and paint sludges. Zero leased a portion of land from the railroad yard west of the site. According to historical maps, Zero's hazardous materials storage area, drum storage and parking occupied this off-site land area. From 1964 to 1973, Zero leased a portion of the site to Ocean Technology, Inc., a separate subsidiary of Zero Corp., for the manufacturing and assembly of electronic products; however, few details regarding this operation were included in the available historical resources.

After Zero discontinued operations at the site in 1991, the site was leased for storage and as a filming location for the entertainment industry. The clarifiers were abandoned and removed in 1993. In 1998, FLDC acquired the site with the intention of redeveloping the property with a car

dealership; however, that development was never initiated. The City of Burbank purchased a portion of the former rail area west of the site in 1998 to develop the new Front Street, which was opened in June 1999. The former Zero buildings were demolished to their foundations in 2004.

From the available reports, the following summarizes the site investigation and remediation history:

- **1990s site characterization** – Following a preliminary evaluation by Targhee, Inc., and an order from the LA-RWQCB to evaluate the site, in January 1992, HGC conducted a soil vapor survey at the site to depths of 5 to 28.5 feet below ground surface (bgs). This investigation delineated areas of tetrachloroethene (PCE), 1,1-dichloroethene (1,1-DCE), trichloroethene (TCE), and 1,1,1-trichloroethane (1,1,1-TCA) in soil vapor. Supplemental investigation included the installation of groundwater monitoring wells, which were sampled and analyzed as part of site monitoring that continued through the end of the 1990s. Exhibit 2 includes excerpts of the site characterization maps provided in HGC's remediation work plan. These maps identify a PCE plume with concentrations in excess of 1,000 micrograms per liter ($\mu\text{g/L}$)² in soil vapor in the center of the site near the connection between former Buildings 11 and 12. HGC also identified TCA plumes in soil vapor near the northern extent of Building 11, at the connection between Buildings 11 and 12, and beneath Building 14 in the southern portion of the site.

In the 1990s, the characterization investigations also included areas outside of the current site boundary where the City of Burbank proposed to develop the current Front Street. Zero reportedly leased this area from the railroad for parking and for their exterior hazardous waste and chemical storage area. According to Leighton's Risk Assessment performed to support the City of Burbank's road development, soil and soil vapor contamination were identified where the road was proposed: in the region of the former abandoned drum storage area and near the location of the former chemical storage area. According to the figures provided in HGC's 2001 closure request report, SVE wells, injection wells and multi-level soil vapor monitoring probes were limited to the area defined by the current site boundary. Blackstone understands that the City of Burbank and their consultant, Leighton, initially objected to the soil vapor remediation workplan planned for the Zero property, citing that it did not adequately include remediation of this proposed road area west of the Zero property boundary. However, this dispute was apparently resolved by the placement of soil vapor extraction wells closer to the road, the radius of influence of which would better address this off-site area.

- **HGC Soil Vapor Remediation** – HGC's remediation workplan indicates that a potential site buyer (no longer involved with the project) desired to avoid expensive soils re-handling and testing during construction and remediating excavated soils after construction; therefore, a remediation program was proposed to remove VOCs from site soil in-situ. According to HGC, remediation was performed at the facility between May 1998 and October 2000 and consisted of two phases of soil vapor extraction (SVE) to remove volatile organic compounds (VOCs) in site soil. There is no indication in the

² Modern soil vapor investigations typically use the unit micrograms per cubic meter ($\mu\text{g}/\text{m}^3$); a concentration of 1,000 $\mu\text{g/L}$ of PCE in soil vapor is approximately equivalent to 10⁶ $\mu\text{g}/\text{m}^3$

workplan and subsequent remediation completion reports that soil excavation was performed to remove hotspots of VOCs and no direct groundwater remediation was performed at the site.

Phase I of the soil vapor remediation was designed to treat shallow soil vapor in specific areas to accommodate anticipated development of a car dealership on the site by the new site owner at the time, FLDC, who acquired the site in 1998. The Phase I remediation system consisted of 59 shallow SVE wells and 25 shallow air injections wells, and a remediation unit consisting of a blower, injector and off-gas treatment. Treatment was performed from May 1998 to early 1999.

Phase II of HGC's remediation system was designed to treat deeper soil (to approximately 90 feet bgs). The system consisted of 19 deep SVE wells, 13 of which were combination SVE/air sparging wells. Treatment commenced early 1999, and February 2000 monitoring data reportedly identified Phase II cleanup levels had been attained.

HGC performed closure and rebound monitoring between October 2000 and January 2001 and submitted a request for no further action (NFA) to the LA-RWQCB in April 2001. In their closure request documentation, HGC reported maximum concentrations of PCE and TCE in groundwater of 11.0 and 1,800 µg/L, respectively, for the final 2000 groundwater monitoring event performed for the remediation effort. HGC stated that, because no source of TCE has been detected in shallow soil beneath the facility, either from subsurface exploration, soil gas monitoring, or the extensive SVE activities; no on-site source of TCE in groundwater is evident and suggested that the source of TCE in soil gas samples closest to the water table is volatilization of TCE from the underlying regional groundwater plume. HGC requested an NFA determination for the site based on the achievement of the cleanup standard for soil at the site via the performance of soil vapor remediation.

According to HCG's summary letter report, supplemental remediation targeted residual VOC concentrations in soil gas in response to objections the RWQCB raised during a May 2001 NFA discussion meeting. The supplemental soil remediation was completed via SVE and air injection wells screened at depths of 5 and 20 feet in the vicinity of B-02. The supplemental remediation operated between June 18 and July 18, 2001, and HGC performed verification sampling in August 2001 to evaluate potential rebound of soil vapor concentrations. According the supplemental HCG report, the additional shallow remedial activities diminished the soil vapor concentrations in the shallow soils in the vicinity of B-02 to achieve the cleanup goals for Phase II of the remediation program. On November 28, 2001, the RWQCB published its Certificate of Completion determination that "no further requirements" were necessary for the site. In 2002, HGC subsequently decommissioned the site's SVE remediation system and abandoned the 9 remaining groundwater monitoring and SVE/sparge wells. The limitations of the NFA are discussed further in the data gaps section presented below.

- **2005-2006 Golder PCB Investigation and Remediation** – According to the 2005 Golder report, the former facility buildings were demolished to foundation slabs in 2004, with four electric substations remaining in place containing 12 total transformers. Oil sampling indicated that positive detections of polychlorinated biphenyls (PCBs) did not exceed 12

parts per million (ppm) and were not considered regulated under the Toxic Substance Control Act (TSCA). Golder also represented the results of an earlier Law/Crandall 1997 soil sampling effort performed proximal to the substations, which indicated no concentrations of PCBs in excess of method detection limits (MDLs) of 0.033 milligrams per kilogram (mg/kg). To supplement the dataset, Golder placed one soil boring adjacent to a former in-ground hydraulic elevator pit and retrieved 14 surface concrete or gravel samples adjacent to electrical units. Bulk surficial (concrete and gravel) samples yielded positive detections of PCBs; however, the soil samples did not contain positive detections of petroleum hydrocarbons or PCBs. Golder's subsequent 2006 report documents the removal and excavation of oil-stained concrete transformer pads, the removal of former electrical equipment from the site, and the removal of stained soil from the 4 former substation locations. Golder's post-excavation sampling revealed no detectable PCB concentrations in confirmation soil samples retrieved from the excavation areas.

- **Post-Remediation Investigations** - In 2009, CalTrans contracted Ninyo & Moore to evaluate the northeastern portion of the site where CalTrans is planning to widen Interstate 5 to accommodate the development of High Occupancy Vehicle (HOV) lanes. Ninyo & Moore retrieved soil and soil vapor samples from the northeast and eastern portion of the site (this was not a site-wide evaluation). Ninyo & Moore concluded that their detected concentrations of VOCs, metals, PCBs, semi-volatile organic compounds (SVOCs), petroleum hydrocarbons, and pH in soil samples retrieved from their investigation area did not exceed the site-specific cleanup goals previously established by the LA-RWQCB during the previous remediation investigation. However, Ninyo & Moore reported chlorinated VOCs, other VOCs and TPHg in their soil vapor samples, including concentrations of PCE and TCE that exceeded the Department of Toxic Substances' (DTSC's) California Human Health Soil Screening Levels (CHHSLs) for industrial sites, which were the risk-based screening standard in effect at the time of the investigation.³ Ninyo & Moore reported that the maximum detected concentration of PCE in soil vapor identified from their investigation (52,400 µg/m³) suggested that concentrations of chlorinated VOCs in site soil vapor condition rebounded following the completion of remediation in 2001.

In 2016, Leighton completed a pre-development soil vapor investigation to evaluate the subsurface soil conditions for chemicals of concern that may be encountered during the planned excavation activities associated with the subsurface parking structures of the proposed redevelopment and evaluate whether VOCs present in soil vapor at the site presented a potential vapor intrusion concern for the residential and commercial structures planned at the site. The investigation consisted of the completion of 36 mostly grid-based shallow borings and the retrieval of soil and soil vapor samples from each boring. Laboratory analyses of soil vapor samples revealed elevated concentrations of chlorinated VOCs, namely PCE, TCE and 1,1,1-TCA, in the area of the site where SVE remediation had been performed in the late 1990s; the maximum detected concentration of PCE in soil gas identified during Leighton's investigation (10,600,000 µg/m³) suggests that significant rebound has occurred in the subsurface at the site to pre-remediation levels in the decades since the SVE remediation system operated. Leighton's investigation

³ DTSC Note Human and Ecological Risk Office (HERO Note Number 3, DTSC-modified Screening Levels, May 2015
Project No. TERRCA003.03

also identified chlorinated VOCs in soil samples at concentrations in excess of residential screening levels. During the 2016 Leighton subsurface investigation, laboratory analyses of retrieved soil samples also revealed elevated concentrations of metals, namely zinc, total lead, and copper, at concentrations that suggest that the soil, once excavated, may require management as California hazardous waste and possibly federal RCRA waste. The interpreted maximum lateral extent of the metal-affected soils that may require management as California hazardous waste include an approximately 3.63-acre area in the central northwestern portion of the site. Geosyntec's subsequent 2017 soil and soil vapor investigation generally confirmed Leighton's findings, and their human health risk screening indicated that concentrations of chlorinated solvents exceed the site's previously established depth-specific soil screening levels for the protection of groundwater, soil risk-based concentrations, and depth-specific soil vapor screening levels.

Blackstone understands that VOC and metals impacts at the site are considered a REC and will continue to be evaluated prior to and during redevelopment of the site, and mitigation, risk-assessment and/or remediation will be performed at the site concurrent with redevelopment to ensure the proposed future land uses are protective of human health and the environment.

- **CrVI Investigation** – As part of ongoing evaluation of the San Fernando groundwater basin Superfund site, groundwater supply wells in the basin were identified to have been contaminated with CrVI in 1998. The LA-RWQCB identified 112 initial sites at which further investigation was required to determine whether CrVI concentrations in soil at these locations indicate a significant past release that may have contributed to the regional contamination. Although the Zero site was not identified in the initial group of 112, a May 2011 letter from the LA-RWQCB ordered soil investigation at the site based on past use of chromate salts and based on the findings of the 2009 CalTrans investigation that had identified CrVI in site soil. The CalTrans investigation also indicates that the former Zero facility received a notice of violation from the City of Burbank Public Works Department in 1975 for discharging wastewater with elevated chromium concentrations.

According to the 2012 Geosyntec report, to further evaluate CrVI conditions in soil at the site, 5 borings were advanced in the vicinity of former clarifiers, and soil samples were retrieved from each boring at 5-foot intervals from 5 feet bgs to the maximum investigation depth of 20 feet bgs. Geosyntec reports that CrVI was detected in 4 of the 20 retrieved soil samples at concentrations that did not exceed the residential CHSSL, which was the risk-based threshold in place at the time. In their response to the Geosyntec investigation report, a subsequent directive dated June 3, 2015, from the RWQCB indicated that additional investigation is required around former boring SS-4, located near a former 3-stage clarifier based on the findings of Geosyntec's initial investigation. In 2016, Geosyntec performed supplemental evaluation around SS-4 consisting of the installation of a soil boring to 40 feet bgs. Laboratory analyses of soil samples retrieved from discrete intervals in the boring revealed a detectable concentration of CrVI at 35 ft bgs significantly less than the applicable soil screening level; no CrVI was detected in the deeper soil sample retrieved from 40 ft bg. Geosyntec concluded that the comprehensive investigation data for CrVI indicate that the vertical distribution of detections of CrVI are

inconsistent with historical releases of CrVI that would have impacted groundwater and are not evidence to suggest that historical site activities contributed to the groundwater basin's regional CrVI contamination. Geosyntec recommended no further investigation with respect to CrVI at the site. Although the LA-RWQCB reportedly committed to extending CrVI to the existing Certificate of Completion for the site, correspondence records on the RWQCB Geotracker database do not include a response from the agency confirming no further action as to CrVI contamination is required; therefore, the open status of the CrVI investigation remains a REC until agency concurrence is received.

- **Regional Superfund Groundwater Plumes** – The site is within the boundaries of the San Fernando Valley Area 2 (Crystal Springs) Superfund Site. Groundwater contamination with VOCs and metals (specifically CrVI) associated with the Superfund site has undergone investigation in the region since 1979. The former site owner, Zero (later known as APW), is an identified potentially responsible party (PRP) in the Superfund Site. The US EPA assigned management of the Superfund PRP investigation to the RWQCB in 1998. Groundwater monitoring data for the site area is sparse given the location of existing groundwater monitoring wells. Blackstone understands that the LA-RWQCB has requested the installation of at least one groundwater monitoring well at the site to evaluate current groundwater conditions in this area of the regional plumes. Additionally, the FYR indicates that potential for vapor intrusion concerns from volatilization from underlying groundwater exist in Area 2; however, field data necessary to determine whether any such pathways exist has not been required as part of the Superfund monitoring. In 2000, the US EPA recorded an agreement and Covenant Not to Sue (Covenant) with FLDC, a potential site developer identified as the Settling Respondent. In exchange for the issuance of the Covenant, FLDC agreed to pay \$150,000 to the US EPA within a specified time period of taking ownership of the site. Blackstone understands the Covenant established with the US EPA remains applicable, with the LA-RWQCB maintaining independent jurisdiction of certain environmental conditions at the site. Geosyntec's updated 2018 GIA, performed to evaluate whether soil impacts identified at the site pose a threat to groundwater, indicated a potential for VOCs to enter groundwater under current and future site conditions. UP EPA's active regulatory status of the Superfund groundwater plumes in the area of the site and the potential for soil vapor intrusion from the underlying plumes is considered a REC and will continue to be evaluated as part of redevelopment of the site.

The RECs and Business Environmental Risk Issues identified from a review of historical records and reports for the site are summarized in Section 10.0. Select previous environmental reports are provided in Appendix D.

6.8 HISTORICAL INFORMATION CONCLUSIONS

Reasonably ascertainable historical information indicates the eastern portion of the site consisted of dwellings constructed prior to 1928 while the remainder of the site was undeveloped. From the 1930s until 1961, General Water Heater Company (General) operated a water heater manufacturing facility at the site. Limited information regarding General's operations are available; however, historical resources indicate that structures and site uses during General's

site operation included a metal working building with an oil tank, a boiler shop, a galvanizing and foundry building, an assembly, stockroom and machine shop building with spray-painting and plating rooms, storage buildings and offices. General also utilized a rail spur located on the western portion of the site.

In approximately 1961, Zero Manufacturing Corporation (Zero) purchased the site and reportedly demolished the former General structures. Zero redeveloped the site with a manufacturing facility to fabricate metal enclosures. By 1968, four large manufacturing buildings and three smaller structures, including a machine shop and offices, occupied the majority of the site. Zero operated a manufacturing plant at the site that fabricated metal enclosures and containers from the mid-1960s until approximately 1991. According to the California Regional Water Quality Control Board (RWQCB), Zero's manufacturing operations included aluminum case drawing and washing, aluminum alodining (a metal coating process), chromate deoxidizing, steel phosphate coating and chromium sealing. The Zero facility was comprised of six buildings and contained paint booths, a water-based paint shop and drying booth, aluminum machining, etching, deoxidizing and cleaning, aluminum vapor degreasing, and grinding. The site also operated five clarifiers, two unleaded gasoline underground storage tanks (USTs), exterior chemical storage areas, paint storage areas, an oil storage area, an acid storage area, an acid/caustic soda storage area, and an exterior hazardous waste staging area. An industrial waste permit was also issued to Zero in 1967. Wastes generated onsite included acetone, ketones, 1,1,1-trichloroethane (1,1,1-TCA), waste oil, waste acids and paint sludges. Zero leased a portion of land from the railroad yard west of the site. According to historical maps, Zero's hazardous materials storage area, drum storage and parking occupied this off-site area. From 1964 to 1973, Zero leased a portion of the site to Ocean Technology, Inc., a separate subsidiary of Zero Corp., for the manufacturing and assembly of electronic products; however, few details regarding this operation were included in the available historical resources.

After Zero discontinued operations at the site in 1991, the site was leased for storage and as a filming location for the entertainment industry. The clarifiers were abandoned and removed in 1993. In 1998, FLDC acquired the site with the intention of redeveloping the property with a car dealership; however, that development was tabled. The City of Burbank purchased a portion of the former rail area west of the site in 1998 to develop the new Front Street, which was opened in June 1999. The former Zero facility buildings were demolished to the foundation slabs in 2004 and the site has remained essentially unchanged since that time.

The adjoining properties surrounding the site were dwellings or undeveloped prior to the current developments. The single and multi-tenant retail buildings northeast of the site beyond Interstate 5 and the former Front Street were constructed between 1989 and 2002. The parking lot located adjoining the site to the southwest was constructed between 1983 and 1989. The lumber company and a City of Burbank water reclamation plant southwest of the site beyond a railroad and North Front Street were constructed between 1964 and 1972. The undeveloped land located adjoining to the northwest beyond East Burbank Boulevard has historically been undeveloped.

The RECs and Business Environmental Risk Issues identified from a review of historical records and reports for the site are summarized in Section 10.0.

7.0 ENVIRONMENTAL DATABASE SEARCH AND REVIEW

EDR provided Blackstone a search report of federal, state, local, tribal and proprietary environmental databases to determine the environmental regulatory status of the site, adjoining facilities, and facilities identified within the specified approximate minimum search distance (AMSD) of the site. ASTM Standard E 1527-13, Section 8.2.1 establishes the distance from the site that each database is searched. *Standard federal, state, and tribal databases* searched and the search distances specified for each database are summarized as follows:

<i>Standard Environmental Record Sources</i>	<i>Search Distance</i>
<i>Federal Databases</i>	
NPL: National Priority List Sites	1.0 mile
Proposed NPL: Proposed National Priority List Sites	1.0 mile
Delisted NPL: National Priority List Deletions	0.5 mile
NPL Liens: Federal Superfund Liens	Site only
FEDERAL FACILITY: Federal Facility Site Information Listing	1.0 mile
SEMS: Superfund Enterprise Management System	0.5 mile
SEMS-ARCHIVE: Superfund Enterprise Management System Archive	0.5 mile
RCRA CORRACTS: Resource Conservation and Recovery Act - Corrective Action Sites	1.0 mile
RCRA TSDF: RCRA - Treatment, Storage and Disposal Facilities	0.5 mile
RCRA LQGs: RCRA - Large-Quantity Generators	Site and adjoining
RCRA SQGs: RCRA - Small-Quantity Generators	Site and adjoining
RCRA CESQG: RCRA - Conditionally Exempt Small-Quantity Generators	Site and adjoining
US ENG CONTROLS: Engineering Controls Sites List	Site only
US INST CONTROL: Sites with Institutional Controls	Site only
ERNS: Emergency Response Notification System	Site only
<i>State and Tribal Databases</i>	
SHWS: State Hazardous Waste Site	1.0 mile
SWF/LF: Solid Waste Facilities & Landfill Sites	0.5 mile
LUST: Leaking Underground Storage Tanks	0.5 mile
LAST: Leaking Aboveground Storage Tanks	0.5 mile
INDIAN LUST: Leaking Underground Storage Tanks on Indian Lands	0.5 mile
UST: Registered Underground Storage Tanks	Site and adjoining
AST: Registered Aboveground Storage Tanks	Site and adjoining
INDIAN UST: Registered Underground Storage Tanks on Indian Lands	Site and adjoining
INST CONTROL: Sites with Institutional Controls	Site only
ENG CONTROLS: Sites with Engineering Controls	Site only
VCP: Voluntary Cleanup Program Sites	0.5 mile
INDIAN VCP: Voluntary Cleanup Priority sites on Indian Lands	0.5 mile
BROWNFIELDS: Brownfields Listings	0.5 mile

All federal, state, local, tribal and proprietary databases searched, the search distances specified for each database, and the results of the environmental database search are provided in the complete database report (*EDR Radius Map*) in Appendix E. The database search report also includes the date and a detailed description of each database searched. These databases include, but are not limited to, the *standard environmental records sources*, as defined in ASTM Standard E 1527-13.

7.1 FEDERAL, STATE, LOCAL, TRIBAL AND PROPRIETARY DATABASES

A review of the databases included in the *EDR Radius Map* has been performed. Please refer to Appendix E for a complete list of the properties included on the databases within the required AMSD. The summary below includes database listings, if present, associated with the site and adjoining properties, as well as any additional property/listing within the AMSD that is deemed by the *environmental professional* to be at a distance or status that presents a higher potential risk for environmental concerns to the site and requires discussion.

The results of the database search are summarized as follows:

SITE:

The site (777 North Front Street) is listed on the HAZNET, Los Angeles County HMS, HIST FTTS, FTTS, EMI, SLIC, SWEEPS UST, HIST CORTESE, CREC-NFRAP, Los Angeles County Site Mitigation, WIP and ICS databases. Several other former site tenants including Ford Motor Land Development, Ford Leasing Development, T.O.W. Productions, and Jerry Gates, The Crow were listed in the database. The site is also within Area 2 of the San Fernando Valley groundwater Superfund site; Area 2 has known groundwater contamination plumes. RECs associated with historical site uses and the underlying Superfund groundwater plumes are considered RECs and are discussed in greater detail in Section 10.0.

ADJOINING OR FACILITIES IN CLOSE PROXIMITY:

Hyrrail, the City of Burbank's transportation development at 415 North Front Street, is southeast of the site in an estimated downgradient direction based on inferred groundwater flow and is included on the CA SLIC database, likely related to remediation required to support the development of the transportation terminal at the property, and is also listed in the CA WIP databases, likely related to determination as to whether this property was a contributor to the regional CrVI groundwater plume. The SLIC case received closure in 2014. Based on documents provided on the Geotracker website, this property also received a determination from the RWQCB that this facility was not considered a contributor to regional CrVI contamination. Based on case status, this adjoining property listing is not considered a REC.

Swanner Hardwood (5 Magnolia Boulevard) is southwest of the site beyond North Front Street and the railroad easement. This property is crossgradient of the site based on inferred groundwater flow and is included on the RCRA-SQG, UST, SWEEPS UST, FID UST, HAZNET, and Los Angeles County HMS databases. No RCRA violations were detailed for this property. No release or spill cases are noted for this location. Based on the regulatory status, this adjoining property listing is not considered a REC.

Burbank Yard (4 West Burbank Boulevard) is southwest of the site beyond North Front Street and the railroad easement. This property is crossgradient direction based on inferred groundwater flow and is included on the HIST UST, SWEEPS UST, FID UST, and Los Angeles County HMS databases. No release or spill cases are noted for this location. Based on the regulatory status, this adjoining property listing is not considered a REC.

Uni-Plate (6 West Burbank Boulevard) is southwest of the site beyond North Front Street and the railroad easement. This property is crossgradient of the site based on inferred groundwater flow and is included on the CERCLIS, SLIC, CA HIST UST, and CA WIP, databases. The CERCLIS case is closed as of 2012 and the SLIC case is closed as of 2014. Based on the regulatory status, this adjoining property listing is not considered a REC.

NON-ADJOINING FACILITIES WITHIN APPROXIMATE MINIMUM SEARCH DISTANCE:

As detailed in the EDR Report, several facilities on various databases are within the ASTM E 1527-13 Approximate Minimum Search Distance (AMSD). Based on factors such as distance to the site, topography, media affected (surface water, soil, soil vapor, groundwater, or air), depth to groundwater, anticipated groundwater flow direction away from the site, and/or a “Case Closed” and/or “No Further Action (NFA)” regulatory status, these non-adjoining facilities within the AMSD are unlikely to have current or former releases of hazardous substances and/or petroleum products that could migrate to the site and are not considered RECs.

7.2 UNMAPPABLE FACILITIES

Due to inadequate address information or other erroneous facility information, several facilities listed in the environmental databases searched could not be plotted by EDR on a radius map. However, these facilities are still identified in the EDR report by grouping them into an unmappable facility summary. Blackstone reviewed this summary to determine if any of the listed facilities include or adjoin the site. The unmappable facility listings are summarized as follows:

SITE:

Not listed

ADJOINING FACILITIES:

None listed

No facilities listed on the Unmappable site summary are located on or adjoining the site.

7.3 AFFIRMATION

Blackstone’s conclusions based on the EDR report are limited to the accuracy of that report. To the extent possible, Blackstone uses field observations to verify the information or identify errors and inconsistencies in the search report regarding the listed facilities in the immediate vicinity of the site. The provided database summary is sufficiently complete and current to be used as a source to satisfy the regulatory database requirements outlined in ASTM Standard E 1527-13.

7.4 ENVIRONMENTAL DATABASE SEARCH AND REVIEW CONCLUSIONS

As previously discussed in greater detail in Section 10.0, the current condition and regulatory status associated with past manufacturing use at the site and the underlying Superfund groundwater plumes are considered RECs.

8.0 SITE INSPECTION

Name of Inspector: Sarah Denton

Date of Site Inspection: June 13, 2018

SITE REPRESENTATIVE		
<i>Name</i>	<i>Title or Association with Site</i>	<i>Years Associated with Site</i>
None		

The site inspection consisted of a walkover of the site perimeter and site areas. Blackstone was not accompanied during the site inspection. During the site inspection, Blackstone did not inspect inaccessible areas of the site including under soil stockpiles or inside clarifiers. The adjoining properties were visually observed from curbside without being entered. There is no reason to believe the inability to inspect these areas would alter the findings or recommendations set forth in this report or be considered a significant data gap.

8.1 UNDERGROUND STORAGE TANKS (USTS)

<i>Number of USTs</i>	<i>Capacity (gallons)</i>	<i>Contents</i>	<i>Location</i>	<i>Status/Notes</i>	<i>REC</i>
None					No

No physical evidence of current or former USTs was identified during the site inspection.

8.2 ABOVEGROUND STORAGE TANKS (ASTS)

<i>Number of ASTs</i>	<i>Capacity (gallons)</i>	<i>Contents</i>	<i>Location</i>	<i>Status/Notes</i>	<i>REC</i>
None					No

No physical evidence of current ASTs was identified during the site inspection.

8.3 CHEMICALS AND MATERIALS USAGE

The following section describes non-bulk (55-gallons or less) chemical and petroleum storage at the site. Where applicable, all bulk fixed chemical and petroleum product storage (i.e. USTs and/or ASTs) is discussed in Sections 8.1 and 8.2.

<i>Chemical or Material</i>	<i>Use</i>	<i>Container Type</i>	<i>Location</i>	<i>REC</i>
None				No

No evidence of surface staining, spills, or other current releases was apparent at the site.

8.4 HAZARDOUS WASTES

<i>Hazardous Waste</i>	<i>Generated By</i>	<i>Storage Container</i>	<i>Storage Location</i>	<i>Disposal Details</i>	<i>REC</i>
None				No concerns noted	No

No physical evidence of on-site hazardous waste disposal was identified during the site inspection.

8.5 NON-HAZARDOUS WASTES

<i>Non-Hazardous Waste</i>	<i>Generated By</i>	<i>Storage Container</i>	<i>Storage Location</i>	<i>Disposal Details</i>	<i>REC</i>
None				No concerns noted	No

No physical evidence of on-site non-hazardous waste disposal was identified during the site inspection.

8.6 POLYCHLORINATED BIPHENYLS (PCBS)

PCBs can be present in coolants or lubricating oils used in older electrical transformers, hydraulic systems, and other similar equipment. The 1976 Toxic Substances Control Act (TSCA) extended regulatory control over the use of PCBs to the United States Environmental Protection Agency (USEPA). In November 1979, the USEPA generally prohibited the domestic manufacture of PCBs in electromagnets, transformers, and heat-transfer and hydraulic equipment.

<i>Equipment</i>	<i>Location</i>	<i>Owner</i>	<i>Status/Notes</i>	<i>REC</i>
None				No

8.7 WASTEWATER DISCHARGES

<i>Type</i>	<i>Generated By</i>	<i>Discharged To</i>	<i>Status/Notes</i>	<i>REC</i>
Clarifiers	Abandoned	Unknown	Discussed below	Yes

Clarifiers, floor drains, sewage pipes, trench drains and evidence of past in-ground equipment for wastewater management were observed throughout the site. As previously discussed in further in Sections 6.7 and 6.8, the current environmental regulatory status associated with past manufacturing use at the site is considered a REC.

8.8 STORMWATER DISCHARGES

<i>Discharged From</i>	<i>Discharged To</i>	<i>Potential Impacts</i>	<i>REC</i>
Exterior site surfaces	Municipal stormwater drains located off site	None	No

No on-site stormwater retention basins were observed.

8.9 PITS, PONDS, AND LAGOONS (ON-SITE PROCESS WATER DISCHARGE)

<i>Type</i>	<i>Contents</i>	<i>Location</i>	<i>Status/Notes</i>	<i>REC</i>
None			No concerns noted	No

No active pits, ponds, lagoons or other areas of process water discharge were observed at the site other than evidence of the historical features noted in Section 8.7.

8.10 WELLS

<i>Type</i>	<i>Location</i>	<i>Status/Notes</i>	<i>REC</i>
None		No concerns noted	No

No physical evidence of current groundwater monitoring wells, dry wells, injection wells, extraction wells, vapor wells, or groundwater production wells was identified during the site inspection. During the site walk, evidence of past environmental investigation was observed, specifically former groundwater well and abandoned investigation boring locations.

8.11 UNDERGROUND PRODUCT PIPELINES

<i>Type</i>	<i>Location</i>	<i>Status/Notes</i>	<i>REC</i>
Crude Oil		Discussed below	No

A correspondence from Mobil Oil Company in 1967 objected to construction of a Zero building over a pipeline reportedly located in the southern portion of the site. According to the National Pipeline Mapping System, a crude oil pipeline operated by ExxonMobil Oil Corporation remains active and traverses the southern portion of the site. No pipeline markers were observed at the site during the site inspection. As a *Business Environmental Risk Issue*, the status of this pipeline should be confirmed and adequately accounted for prior to the proposed redevelopment at the site.

8.12 ODORS

<i>Odors</i>	<i>Location</i>	<i>Status/Notes</i>	<i>REC</i>
None		No concerns noted	No

No unusual odors indicative of environmental concerns were identified during the site inspection.

8.13 POOLS OF LIQUID

<i>Pools of Liquid</i>	<i>Location</i>	<i>Status/Notes</i>	<i>REC</i>
None		No concerns noted	No

No pools or sumps containing liquids indicative of environmental concerns were identified during the site inspection.

8.14 STRESSED VEGETATION OR STAINED SURFACES

<i>Stressed Vegetation or Stained Surfaces</i>	<i>Location</i>	<i>Status/Notes</i>	<i>REC</i>
None		No concerns noted	No

No stained soils or stressed vegetation were observed by Blackstone.

8.15 SITE INSPECTION CONCLUSIONS

Although no RECs were identified directly from the site inspection observations, as is noted in other report sections, the active status crude oil pipeline traversing the southern portion of the site is a *Business Environmental Risk Issue* and the current environmental regulatory status associated with past manufacturing use at the site is considered a REC.

9.0 ASTM NON-SCOPE CONSIDERATIONS

Blackstone performed the following client-specific activities to identify ASTM *Non-Scope Considerations (Business Environmental Risk Issues)* in addition to the ASTM requirements and as required per the Agreement.

9.1 AIR EMISSIONS

<i>Regulated Emissions Source</i>	<i>Discharged To</i>	<i>Potential Impacts</i>	<i>Status/Notes</i>	<i>REC</i>
None				No

9.2 ASBESTOS-CONTAINING MATERIALS (ACM)

Frequently encountered types of ACM used in building construction include floor tile and mastic, spray-applied fireproofing, acoustical/decorative ceiling plaster, wallboard and joint compound, insulation, and many other building materials in common use prior to 1981. Materials that contain greater than one percent asbestos fibers are considered regulated ACM and must be handled according to USEPA and Occupational Safety and Health Administration (OSHA) regulations.

Blackstone conducted a limited survey for the presence of typically suspect ACM at the site. Materials that are typically considered suspect ACM were identified at the site, including areas where remnant vinyl floor tile and associated mastic remain affixed to the former building foundations. The condition of the suspect materials identified was poor but non-friable.

Based on the construction date of the former site buildings (1960s) and the Blackstone's limited visual survey, as a *Business Environmental Risk Issue*, Blackstone recommends conducting a comprehensive pre-demolition survey to identify and characterize residual potential ACM at the site, including remaining floor tiles observed on the remnant building foundations. All potentially impacted ACM should be removed from the site structures in accordance with applicable regulations prior to demolition.

9.3 LEAD-BASED PAINT (LBP)

No structures are currently on the site and no suspect LBP was observed. As such, sampling was not required, and no further evaluation is recommended.

9.4 RADON GAS

A review of records regarding radon concentrations in Los Angeles County, California, was conducted to determine if concentrations of radon in the general area of the site are within the USEPA guidelines. The USEPA uses a continuous exposure level of 4.0 pCi/L (picoCuries per

liter of air) or greater as a guidance level at which further evaluation and potential remedial actions are recommended.

According to USEPA Office of Radiation and Indoor Air information/mapping, the site is located within a Radon Zone Level 2. This zone has a predicted average indoor radon gas screening level between 2.0 pCi/L and 4.0 pCi/L, which is within USEPA guidance levels. Based on the Radon Zone Level 2 designation, no further evaluation of radon is recommended.

9.5 APPARENT MOLD GROWTH (AMG)

No structures are currently on the site and no AMG was observed. As such, no further evaluation is recommended.

9.6 WETLANDS

As defined by the USEPA and U.S. Army Corps of Engineers (USACE), wetlands are "those areas that are inundated or saturated by surface or groundwater at a frequency and duration sufficient to support, and that under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions."

Wetlands possess three essential characteristics: (1) hydrophytic vegetation; (2) hydric soils; and (3) hydrology. All three characteristics must be prevalent to document an area as a jurisdictional wetland.

Wetlands	
<i>Information Source</i>	<i>Findings</i>
National Wetlands Inventory (NWI) on-line Wetland Mapper: (http://wetlandsfws.er.usgs.gov/NWI/download.html)	No mapped, potential federal wetlands are located at the site.
Field observations	No vegetation or ponded areas that are characteristic of possible wetlands were observed at the site.

9.7 LEAD IN DRINKING WATER

The City of Burbank provides drinking water to the site area. The City of Burbank 2014 Drinking Water Quality Report indicates that the municipal water system meets the requirements as established by the USEPA, state, and local authorities for lead content in drinking water.

9.8 POTABLE/IRRIGATION GROUNDWATER WELL SURVEY

Blackstone contacted the City of Burbank and performed an inspection of the site. According to the City of Burbank and the site inspection, no potable or irrigation wells are located on or within one-

half mile of the site. Additionally, groundwater use from the basin is highly restricted due to the presence of regional groundwater contamination. The Superfund investigation is discussed in greater detail in Section 6.7.

9.9 OIL AND GAS SURVEY

Blackstone reviewed records provided by the California Department of Conservation Division of Oil, Gas and Geothermal Resources (DOGGR) regarding current and former oil and gas wells in the site vicinity. DOGGR records indicate that no current or former oil or gas wells are onsite or located on adjoining properties.

10.0 CONCLUSIONS

Blackstone performed a Phase I ESA of the site in conformance with the scope and limitations of ASTM Standard Practice E 1527-13, the regulations at 40 CFR Part 312, and the November 9, 2015, proposal (Agreement) between 4Terra-LA I LLC and Blackstone. Any exceptions to, or deletions from, this practice are described in Sections 1.2 through 1.4 of this report. This assessment has revealed no evidence of *recognized environmental conditions (RECs)* in connection with the site with the exception of the following:

- **VOCs and Metals Impacts** – In 2009, CalTrans contracted Ninyo & Moore to evaluate the northeastern portion of the site where CalTrans is planning to widen Interstate 5 to accommodate the development of High Occupancy Vehicle (HOV) lanes. Ninyo & Moore retrieved soil and soil vapor samples from the northeast and eastern portion of the site (this was not a site-wide evaluation). Ninyo & Moore concluded that their detected concentrations of VOCs, metals, PCBs, semi-volatile organic compounds (SVOCs), petroleum hydrocarbons, and pH in soil samples retrieved from their investigation area did not exceed the site-specific cleanup goals previously established by the LA-RWQCB during the previous remediation investigation. However, Ninyo & Moore reported chlorinated VOCs, other VOCs and TPHg in their soil vapor samples, including concentrations of PCE and TCE that exceeded the Department of Toxic Substances' (DTSC's) California Human Health Soil Screening Levels (CHHSLs) for industrial sites, which were the risk-based screening standard in effect at the time of the investigation.⁴ Ninyo & Moore reported that the maximum detected concentration of PCE in soil vapor identified from their investigation (52,400 µg/m³) suggested that concentrations of chlorinated VOCs in site soil vapor condition rebounded following the completion of remediation in 2001.

In 2016, Leighton completed a pre-development soil vapor investigation to evaluate the subsurface soil conditions for chemicals of concern that may be encountered during the planned excavation activities associated with the subsurface parking structures of the proposed redevelopment and evaluate whether VOCs present in soil vapor at the site presented a potential vapor intrusion concern for the residential and commercial structures planned at the site. The investigation consisted of the completion of 36 mostly grid-based shallow borings and the retrieval of soil and soil vapor samples from each boring. Laboratory analyses of soil vapor samples revealed elevated concentrations of chlorinated VOCs, namely PCE, TCE and 1,1,1-TCA in the area of the site where SVE remediation had been performed in the late 1990s; the maximum detected concentration of PCE in soil gas identified during Leighton's investigation (10,600,000 µg/m³) suggests that significant rebound has occurred in the subsurface at the site to pre-remediation levels in the decades since the SVE remediation system operated. Leighton's investigation also identified chlorinated VOCs in soil samples at concentrations in excess of residential screening levels. During the 2016 Leighton subsurface investigation, laboratory analyses of retrieved soil samples also revealed elevated concentrations of metals, namely zinc, total lead, and copper, at concentrations that suggest that the soil, once excavated, may require management as California hazardous waste and possibly federal RCRA waste.

⁴ DTSC Note Human and Ecological Risk Office (HERO Note Number 3, DTSC-modified Screening Levels, May 2015
Project No. TERRCA003.03

The interpreted maximum lateral extent of the metal-affected soils that may require management as California hazardous waste include an approximately 3.63-acre area in the central northwestern portion of the site. Geosyntec's subsequent 2017 soil and soil vapor investigation generally confirmed Leighton's findings, and their human health risk screening indicated that concentrations of chlorinated solvents exceed the site's previously established depth-specific soil screening levels for the protection of groundwater, soil risk-based concentrations, and depth-specific soil vapor screening levels.

The elevated concentrations of VOCs and metals on the site are considered a REC. Blackstone understands these impacts will continue to be evaluated prior to and during redevelopment of the site, and mitigation, risk-assessment and/or remediation will be performed at the site concurrent with redevelopment to ensure the proposed future land uses are protective of human health and the environment.

- **Active CrVI Investigation** – As part of ongoing evaluation of the San Fernando groundwater basin Superfund site, groundwater supply wells in the basin were identified to have been contaminated with Chromium VI (CrVI) in 1998. The LA-RWQCB identified 112 initial sites at which further investigation was required to determine whether CrVI concentrations in soil at these locations indicate a significant past release that may have contributed to the regional contamination. Although the Zero operation on the site was not identified in the initial group of 112, a May 2011 letter from the LA-RWQCB ordered soil investigation at the site based on past use of chromate salts and based on the findings of the 2009 CalTrans investigation that had identified CrVI in site soil. The CalTrans investigation also indicates that the former Zero facility received a notice of violation from the City of Burbank Public Works Department in 1975 for discharging wastewater with elevated chromium concentrations.

According to the 2012 Geosyntec report, to further evaluate CrVI conditions in soil at the site, 5 borings were advanced in the vicinity of former clarifiers, and soil samples were retrieved from each boring at 5-foot intervals from 5 feet bgs to the maximum investigation depth of 20 feet bgs. Geosyntec reports that CrVI was detected in 4 of the 20 retrieved soil samples at concentrations that did not exceed the residential CHSSL, which was the risk-based threshold in place at the time. In their response to the Geosyntec investigation report, a subsequent directive dated June 3, 2015, from the RWQCB indicated that additional investigation is required around former boring SS-4, located near a former 3-stage clarifier based on the findings of Geosyntec's initial investigation. In 2016, Geosyntec performed supplemental evaluation around SS-4 consisting of the installation of a soil boring to 40 feet bgs. Laboratory analyses of soil samples retrieved from discrete intervals in the boring revealed a detectable concentration of CrVI at 35 ft bgs significantly less than the applicable soil screening level; no CrVI was detected in the deeper soil sample retrieved from 40 ft bg. Geosyntec concluded that the comprehensive investigation data for CrVI indicate that the vertical distribution of detections of CrVI are inconsistent with historical releases of CrVI that would have impacted groundwater and are not evidence to suggest that historical site activities contributed to the groundwater basin's regional CrVI contamination. Geosyntec recommended no further investigation with respect to CrVI at the site. Although the LA-RWQCB reportedly committed to

extending CrVI to the existing Certificate of Completion for the site, correspondence records on the RWQCB Geotracker database do not include a response from the agency confirming no further action as to CrVI contamination in groundwater; therefore, the active status of the CrVI investigation remains a REC until agency concurrence is received.

- **Regional Superfund Groundwater Plumes** – The site is within the boundaries of the San Fernando Valley Area 2 (Crystal Springs) Superfund Site. Groundwater contamination with VOCs and metals (specifically CrVI) associated with the Superfund site has undergone investigation in the region since 1979. The former site owner, Zero (later known as APW), is an identified potentially responsible party (PRP) in the Superfund Site. The US EPA assigned management of the Superfund PRP investigation to the RWQCB in 1998. Groundwater monitoring data for the site area is sparse given the location of existing groundwater monitoring wells. Blackstone understands that the LA-RWQCB has requested the installation of at least one groundwater monitoring well at the site to evaluate current groundwater conditions in this area of the regional plumes. Additionally, the FYR indicates that potential for vapor intrusion concerns from volatilization from underlying groundwater exist in Area 2; however, field data necessary to determine whether any such pathways exist has not been required as part of the Superfund monitoring. In 2000, the US EPA recorded an agreement and Covenant Not to Sue (Covenant) with FLDC, a potential site developer identified as the Settling Respondent. In exchange for the issuance of the Covenant, FLDC agreed to pay \$150,000 to the US EPA within a specified time period of taking ownership of the site. Blackstone understands the Covenant established with the US EPA remains applicable, with the LA-RWQCB maintaining independent jurisdiction of certain environmental conditions at the site. Geosyntec's updated 2018 GIA, performed to evaluate whether soil impacts identified at the site pose a threat to groundwater, indicated a potential for VOCs to enter groundwater under current and future site conditions. UP EPA's active regulatory status of the Superfund groundwater plumes in the area of the site and the potential for soil vapor intrusion from the underlying plumes is considered a REC and will continue to be evaluated as part of redevelopment of the site.

The following *Business Environmental Risk Issues* were identified in connection with the site:

- **Asbestos-Containing Materials (ACM):** Based on the construction date of the former site buildings (1960s) and the limited nature of Blackstone's survey, Blackstone recommends conducting a comprehensive pre-demolition survey to identify and characterize residual potential ACM at the site, including remaining floor tiles observed on the remnant building foundations. All potentially impacted ACM should be removed from the site structures in accordance with applicable regulations prior to demolition.
- **Underground Product Pipelines:** A correspondence from Mobil Oil Company in 1967 objected to construction of a Zero building over a pipeline reportedly located in the southern portion of the site. According to the National Pipeline Mapping System, a crude oil pipeline operated by ExxonMobil Oil Corporation remains active and traverses the southern portion of the site. No pipeline makers were observed at the site during the site inspection. The status of this pipeline should be confirmed and adequately accounted for prior to the proposed redevelopment at the site.

11.0 SIGNATURES OF ENVIRONMENTAL PROFESSIONALS

This Phase I Environmental Site Assessment (ESA) Report documents the research methodology used by qualified environmental professionals of Blackstone Consulting LLC (Blackstone) to identify recognized environmental conditions using the scope and limitations of ASTM Standard E 1527-13 and the November 9, 2015, proposal (Agreement) between 4Terra-LA I LLC and Blackstone.

We declare that, to the best of our professional knowledge and belief, we meet the definition of *Environmental Professional* as defined in §312.10 of 40 CFR 312, and we have the specific qualifications based on education, training, and experience to assess a site of the nature, history, and setting of the subject site. We have developed and performed all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

Prepared By:

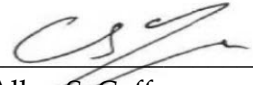


Sarah L. Denton, PG CHG
Senior Project Manager



06/27/18
Date

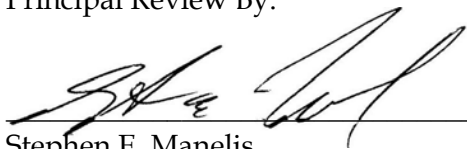
Technical Review and Concurrence By:



Allan S. Coffee
Senior Associate

06/27/18
Date

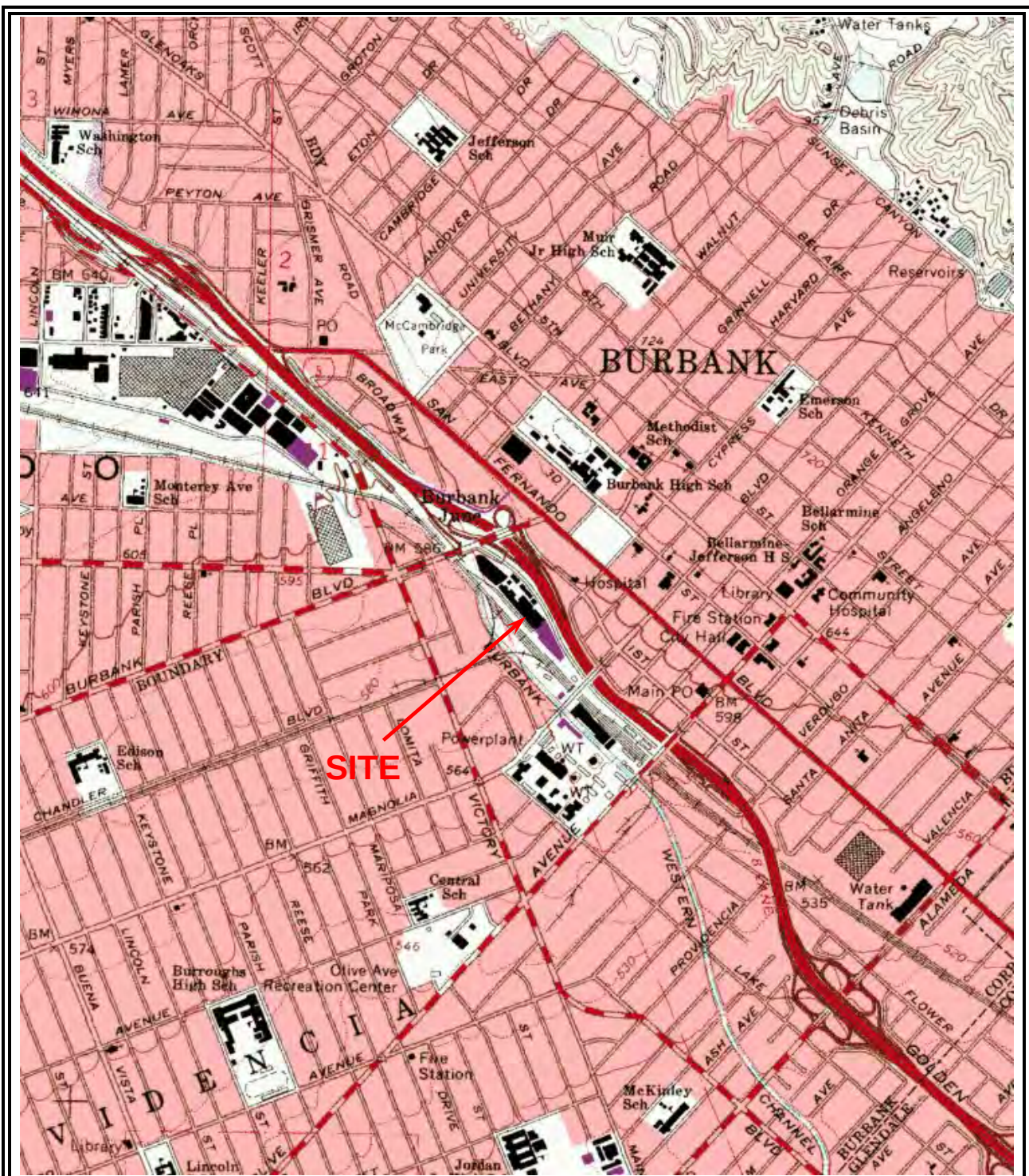
Principal Review By:



Stephen E. Manelis
Principal

06/27/18
Date

dd



Project No. TERRCA003.03

Redevelopment Property
Burbank, Los Angeles County, California

Site Location Map

(USGS Burbank, CA, Topographic Map, 1994)



0 0.5 1.0
miles

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Project No. TERRCA003.03

Redevelopment Property
Burbank, Los Angeles County, California

Site Plan

(Not to Scale)





PHOTOGRAPH 1

Former building foundations occupy the central and southern portions of the site



PHOTOGRAPH 2

A Cal-Trans soil stockpile is visible in the eastern portion of the site



PHOTOGRAPH 3

Additional building foundations occupy the northern portion of the site



PHOTOGRAPH 4

Evidence of investigation borings and monitoring locations recently-installed are visible at the site



PHOTOGRAPH 5

Surface disturbances are visible throughout the remnant building foundations



PHOTOGRAPH 6

Voids are visible beneath some of the building foundations



PHOTOGRAPH 7

Land disturbance is visible in the southern portion of the site



PHOTOGRAPH 8

Voids are visible beneath some of the building foundations



PHOTOGRAPH 9

Northwest adjoining: Undeveloped land following by the embankment that supports the Burbank Boulevard bridge/overpass to Interstate 5



PHOTOGRAPH 10

Northeast adjoining: Cal-Trans easement following by former Front Street, Interstate 5, and a mixed retail and commercial area



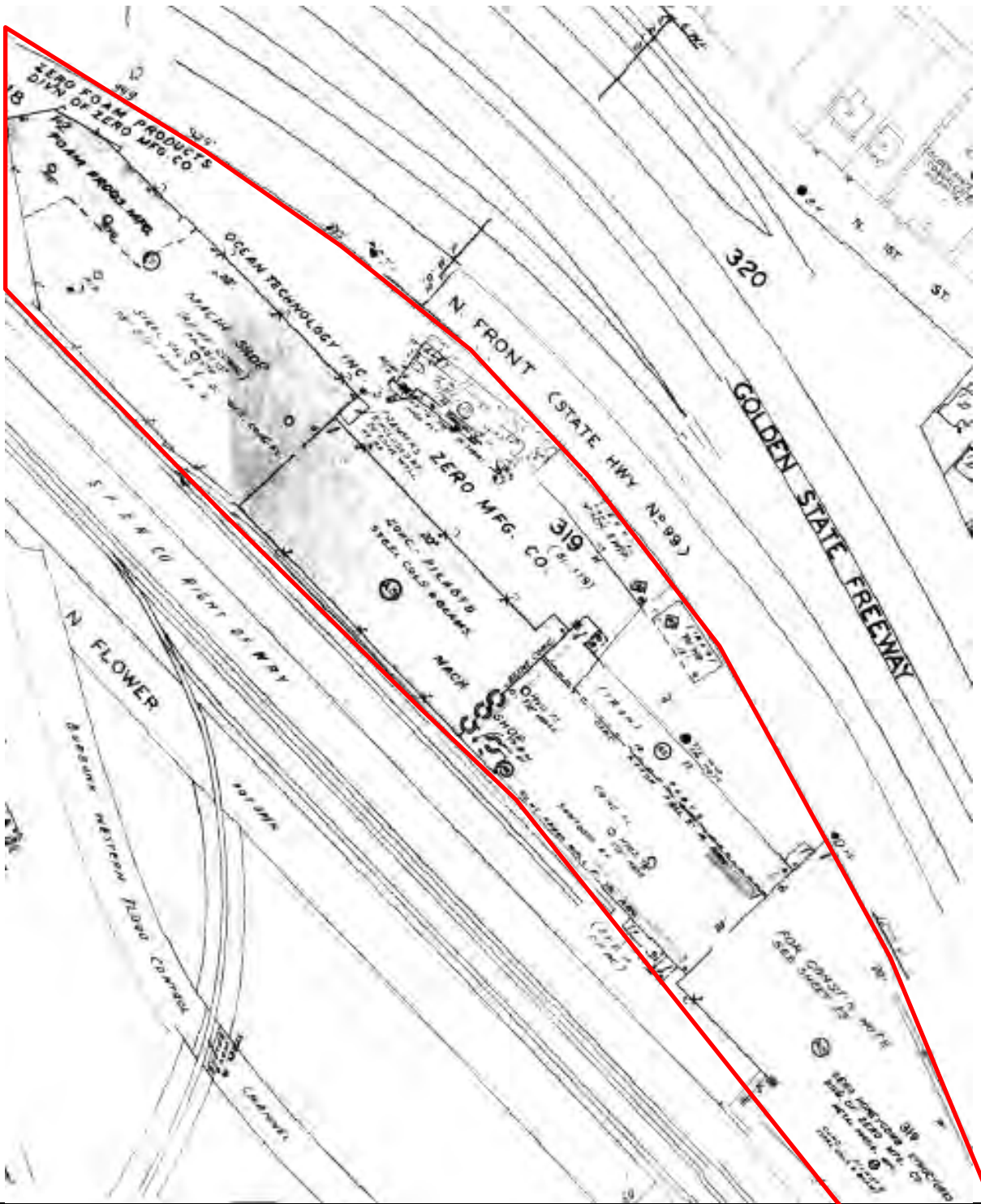
PHOTOGRAPH 11

Southwest adjoining: North Front Street following by rail lines, a lumber yard and a mixed commercial area



PHOTOGRAPH 12

Southeast adjoining: parking lot and construction staging

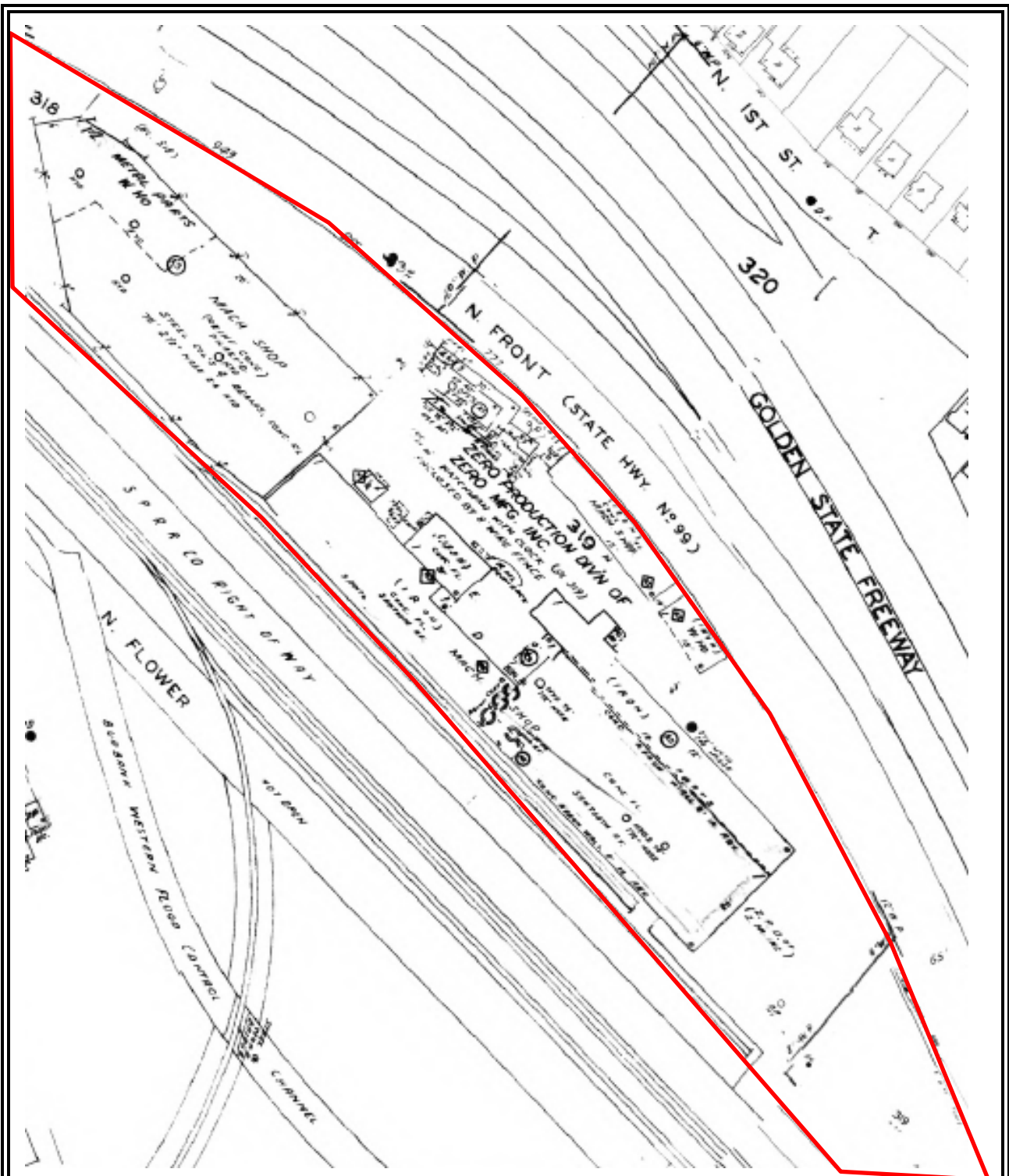


Project No. TERRCA003.03

Redevelopment Property
Burbank, Los Angeles County, California

1970 Sanborn Map



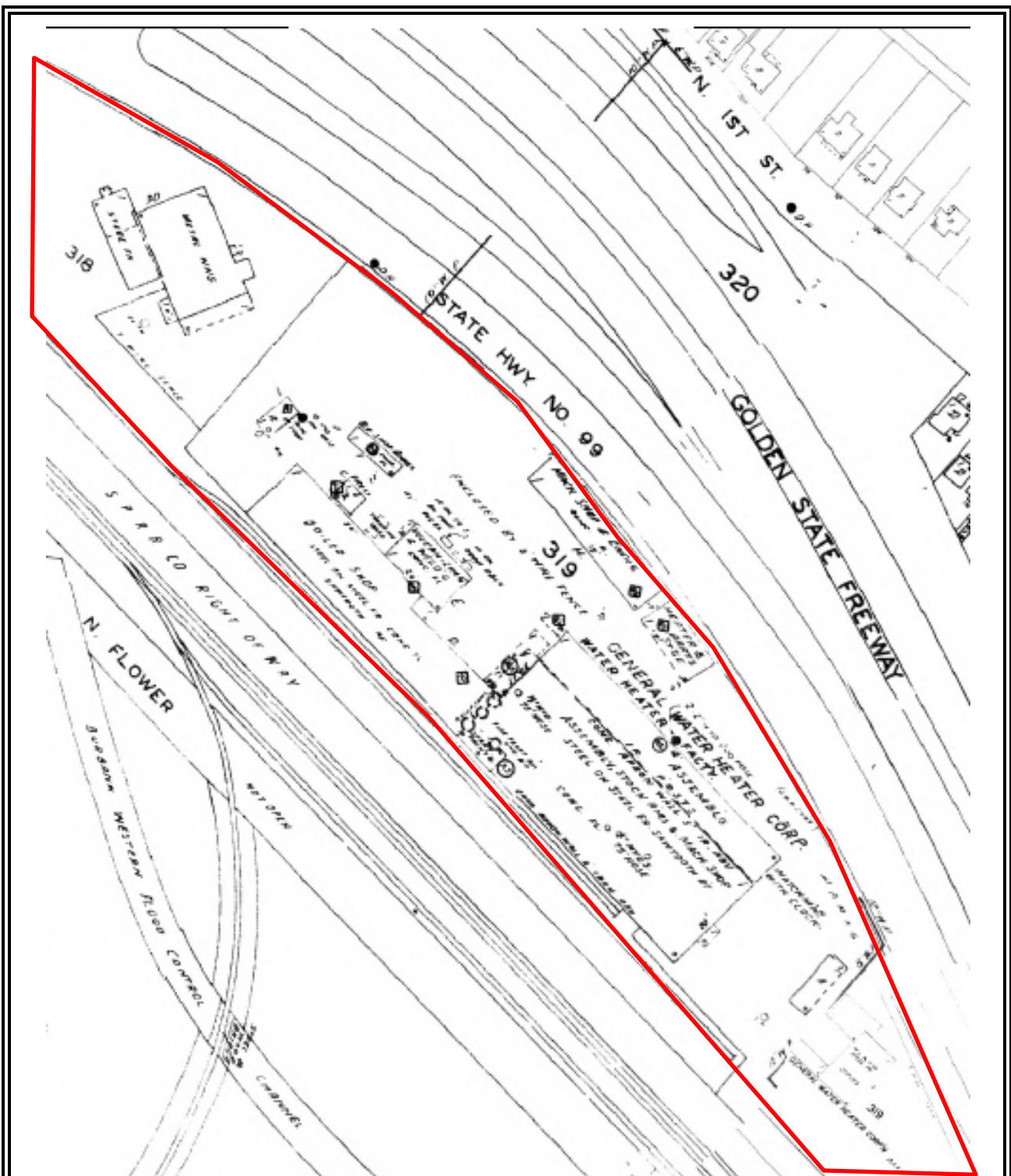


Project No. TERRCA003.03

Redevelopment Property
Burbank, Los Angeles County, California

1968 Sanborn Map



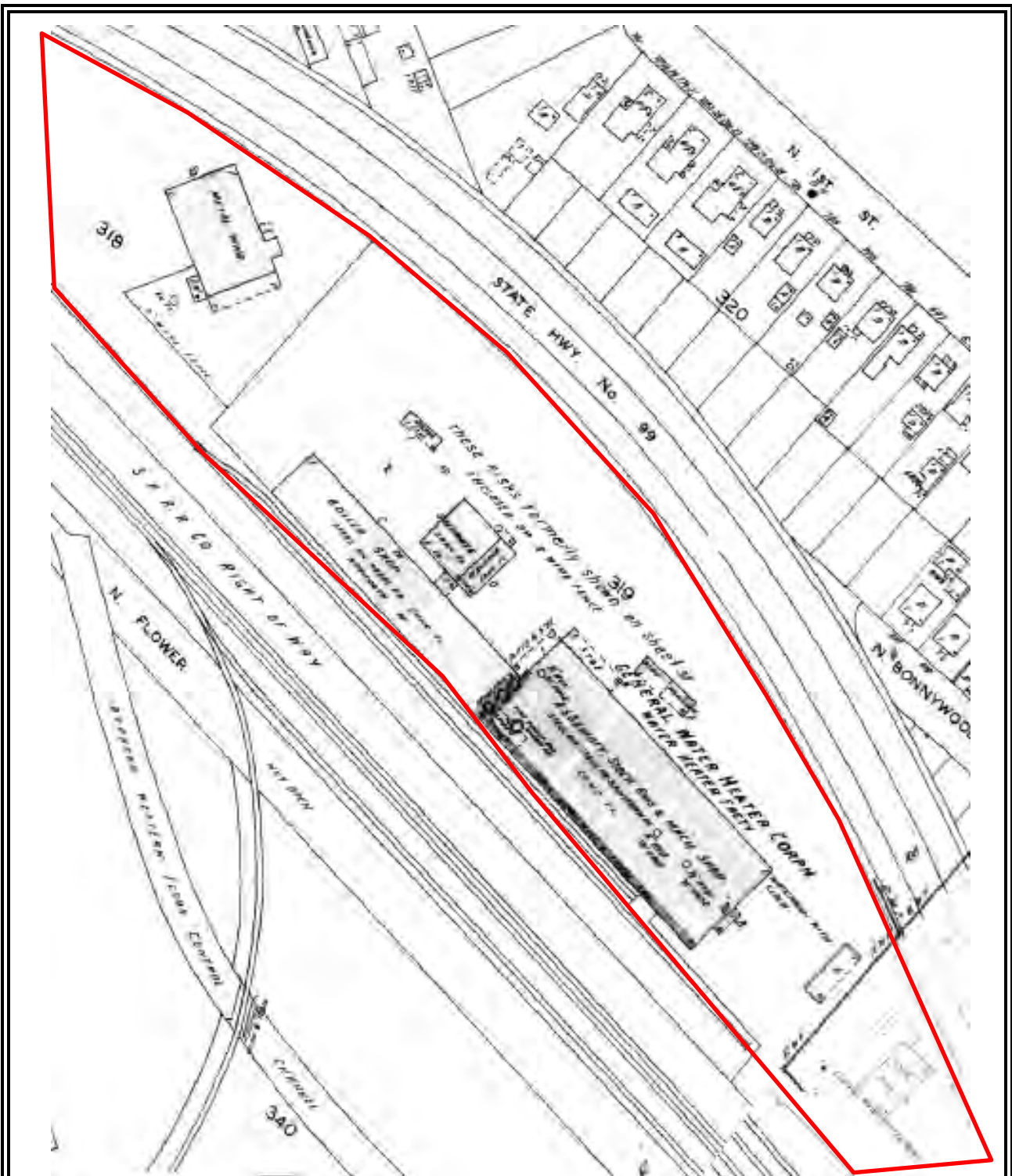


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Redevelopment Property
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1960 Sanborn Map





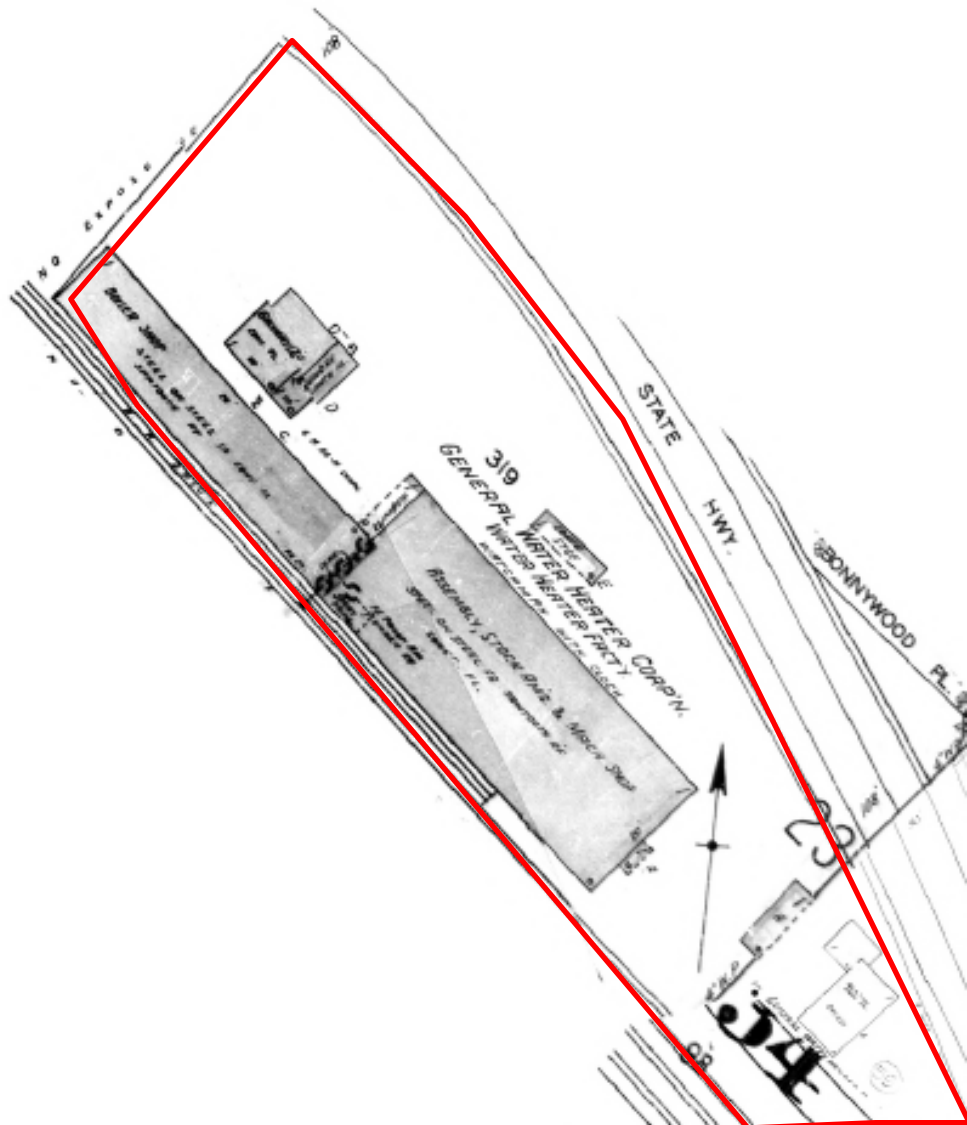
Project No. TERRCA003.03

Redevelopment Property
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1950 Sanborn Map



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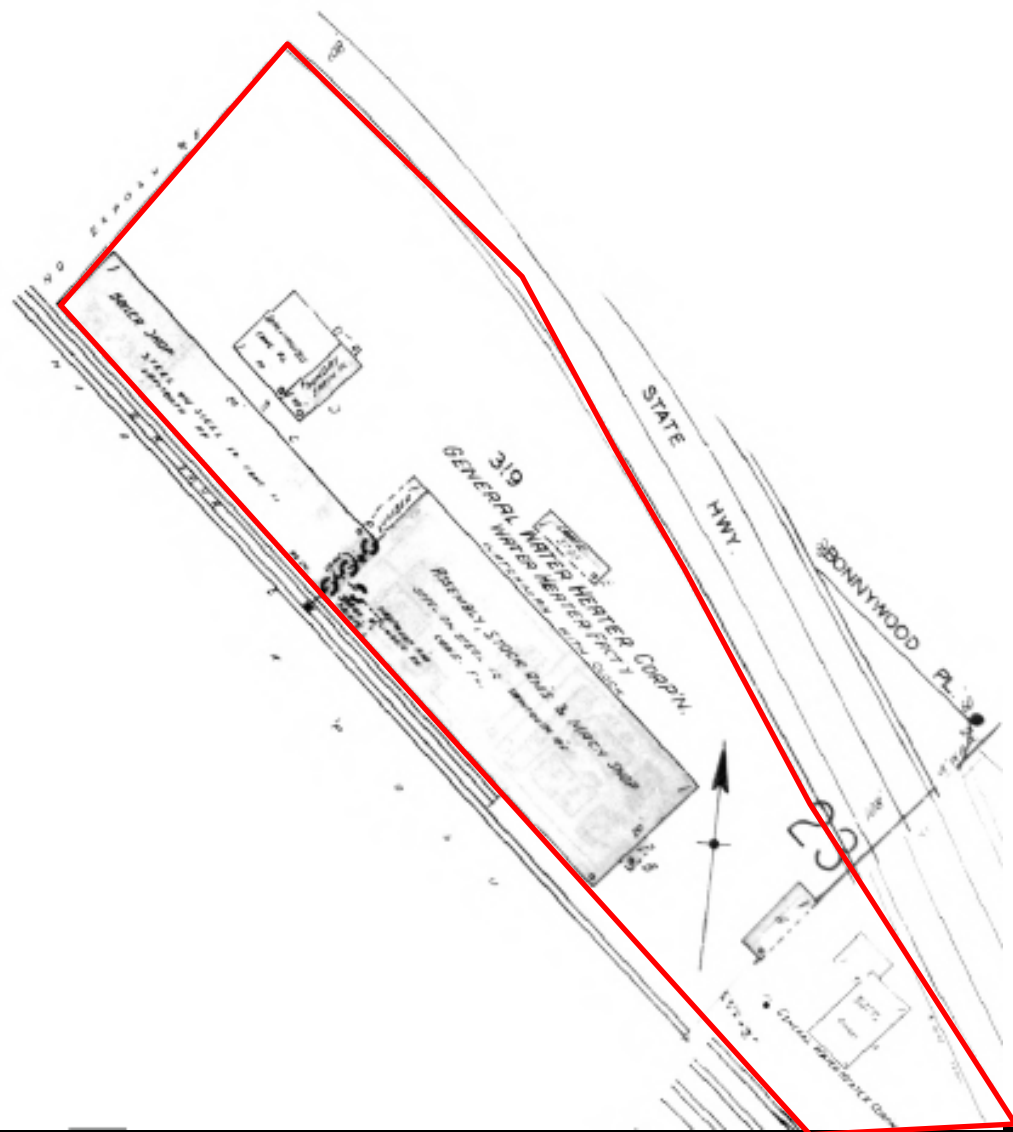


Project No. TERRCA003.03

Redevelopment Property
Burbank, Los Angeles County, California

1949 Sanborn Map





Project No. TERRCA003.03

Redevelopment Property
Burbank, Los Angeles County, California

1941 Sanborn Map





Project No. TERRCA003.03

Redevelopment Property
Burbank, Los Angeles County, California

2012 Aerial Photograph

(Approximate Scale: 1 inch = 500 feet)



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Redevelopment Property
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2010 Aerial Photograph

(Approximate Scale: 1 inch = 500 feet)



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Redevelopment Property
Burbank, Los Angeles County, California

2009 Aerial Photograph

(Approximate Scale: 1 inch = 500 feet)



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Project No. TERRCA003.03

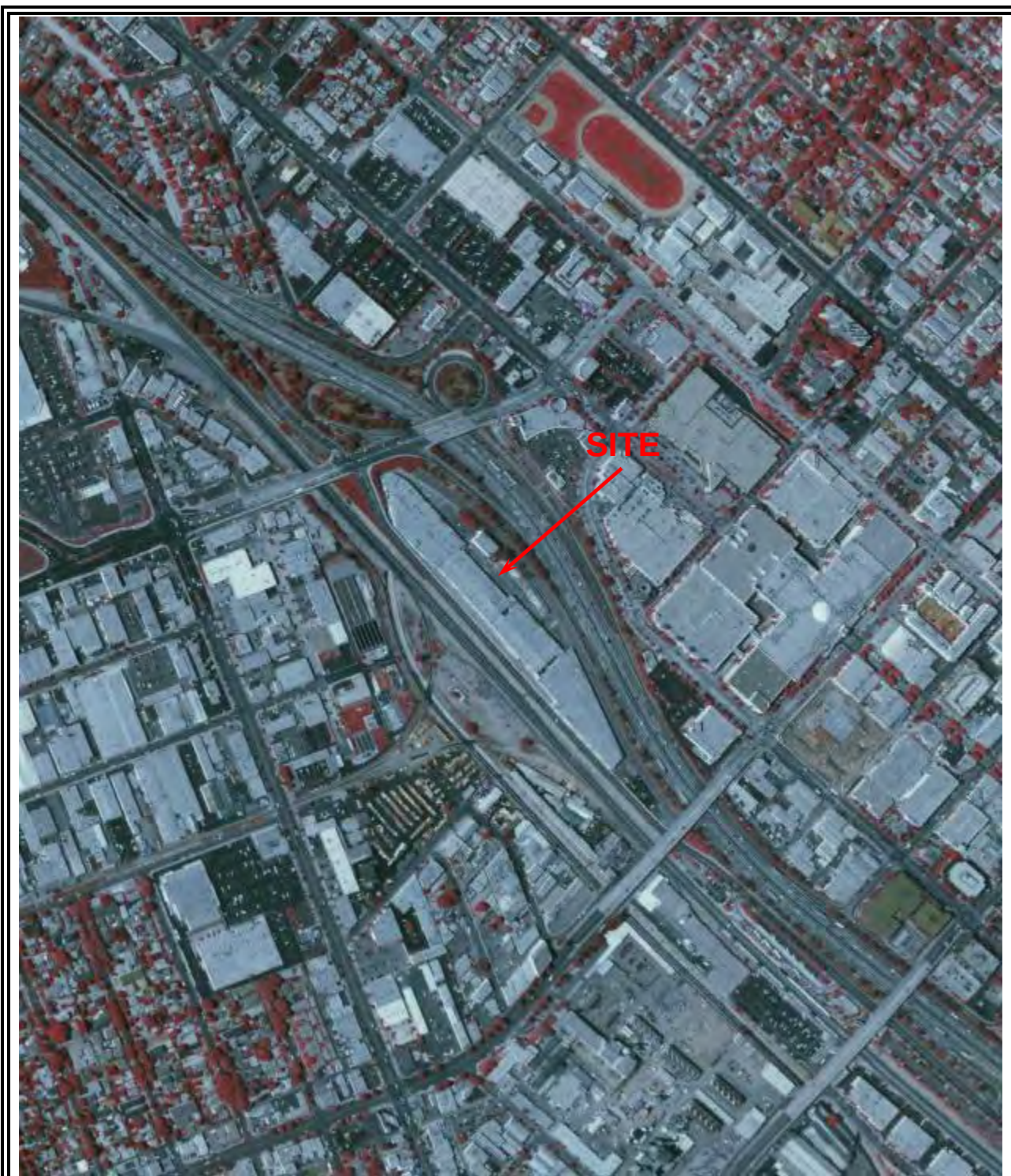
Redevelopment Property
Burbank, Los Angeles County, California

2005 Aerial Photograph

(Approximate Scale: 1 inch = 500 feet)



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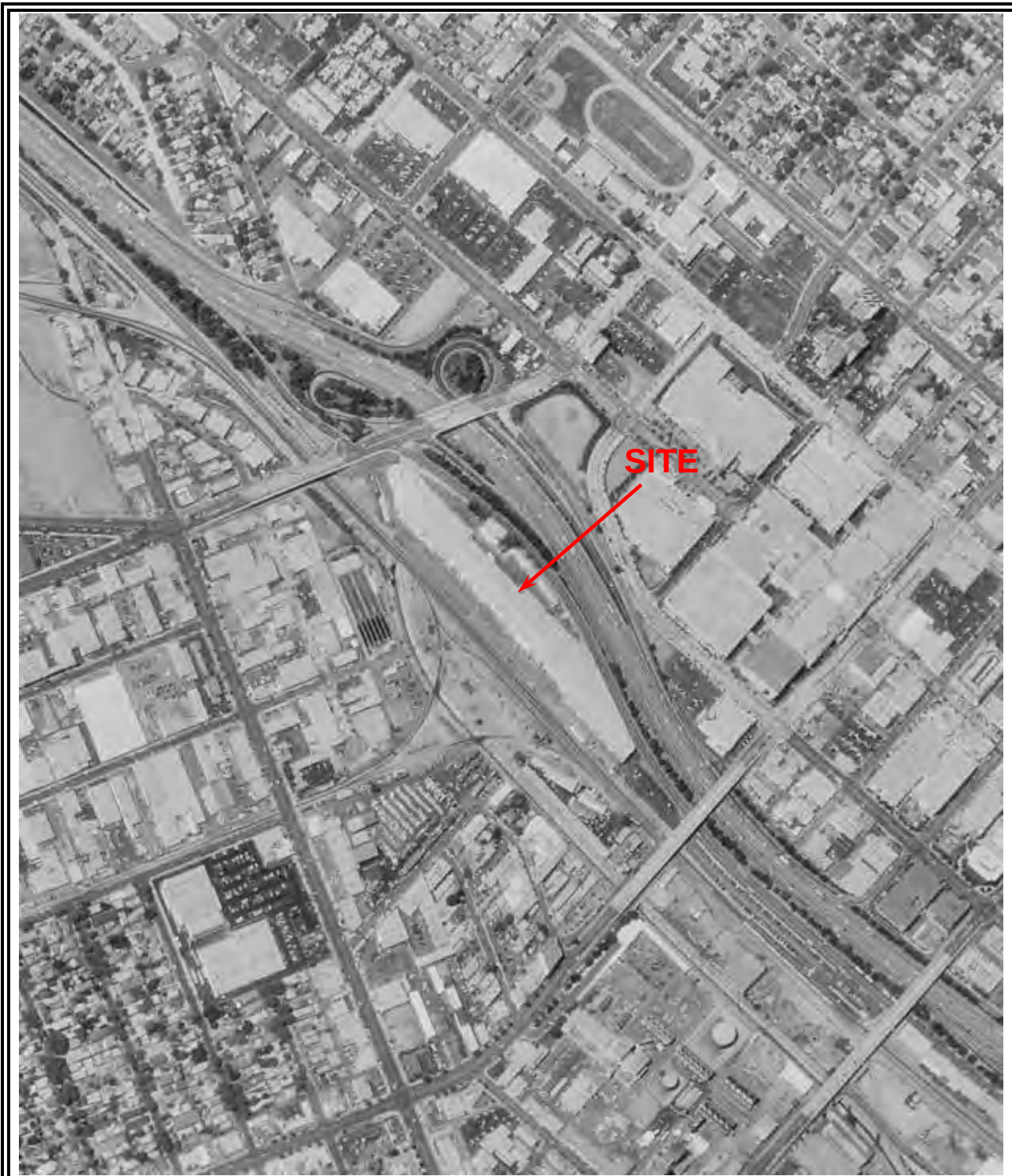
Redevelopment Property
Burbank, Los Angeles County, California

2002 Aerial Photograph

(Approximate Scale: 1 inch = 500 feet)



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Redevelopment Property
Burbank, Los Angeles County, California

1994 Aerial Photograph

(Approximate Scale: 1 inch = 500 feet)



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Project No. TERRCA003.03

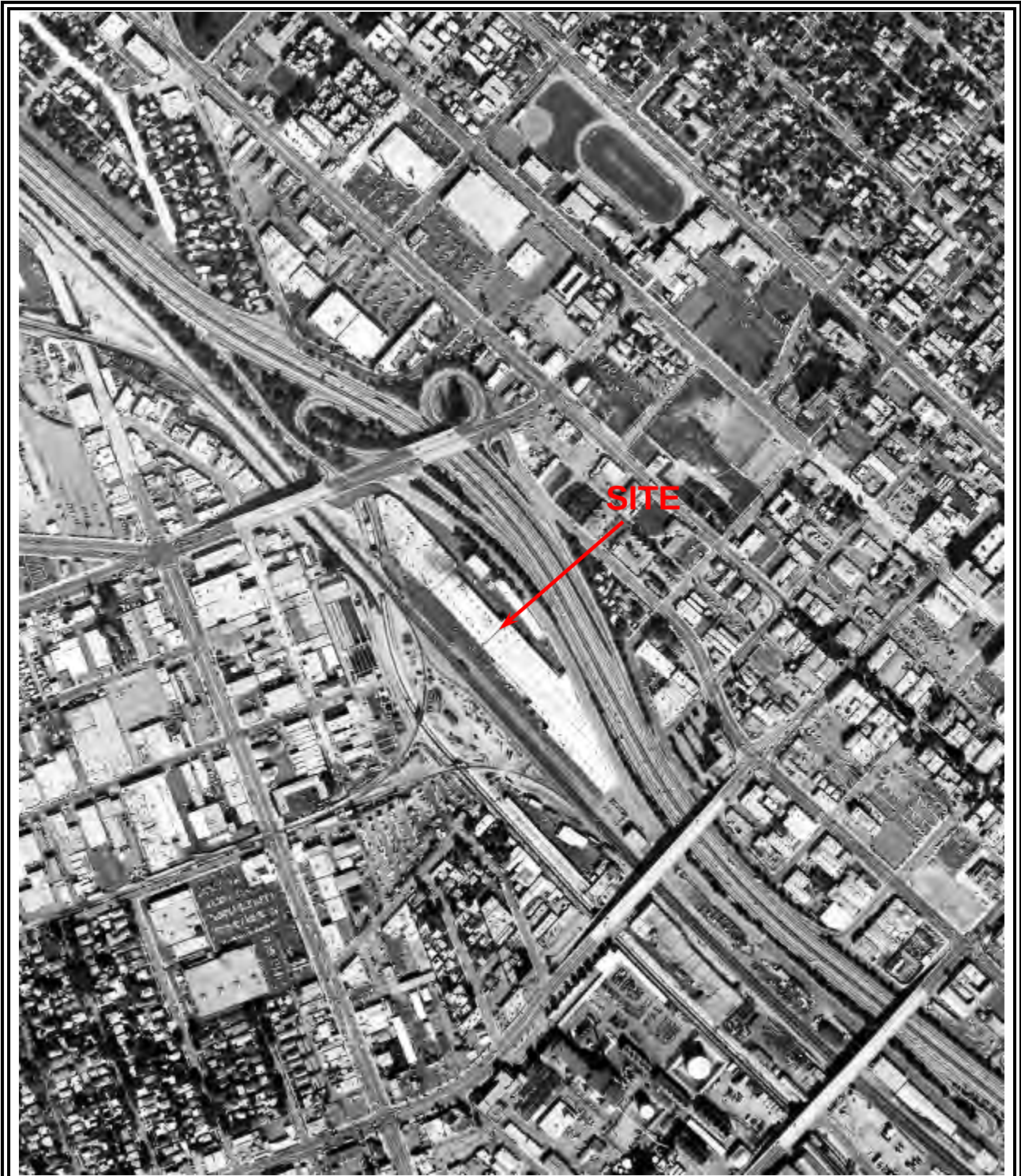
Redevelopment Property
Burbank, Los Angeles County, California

1989 Aerial Photograph

(Approximate Scale: 1 inch = 500 feet)



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Project No. TERRCA003.03

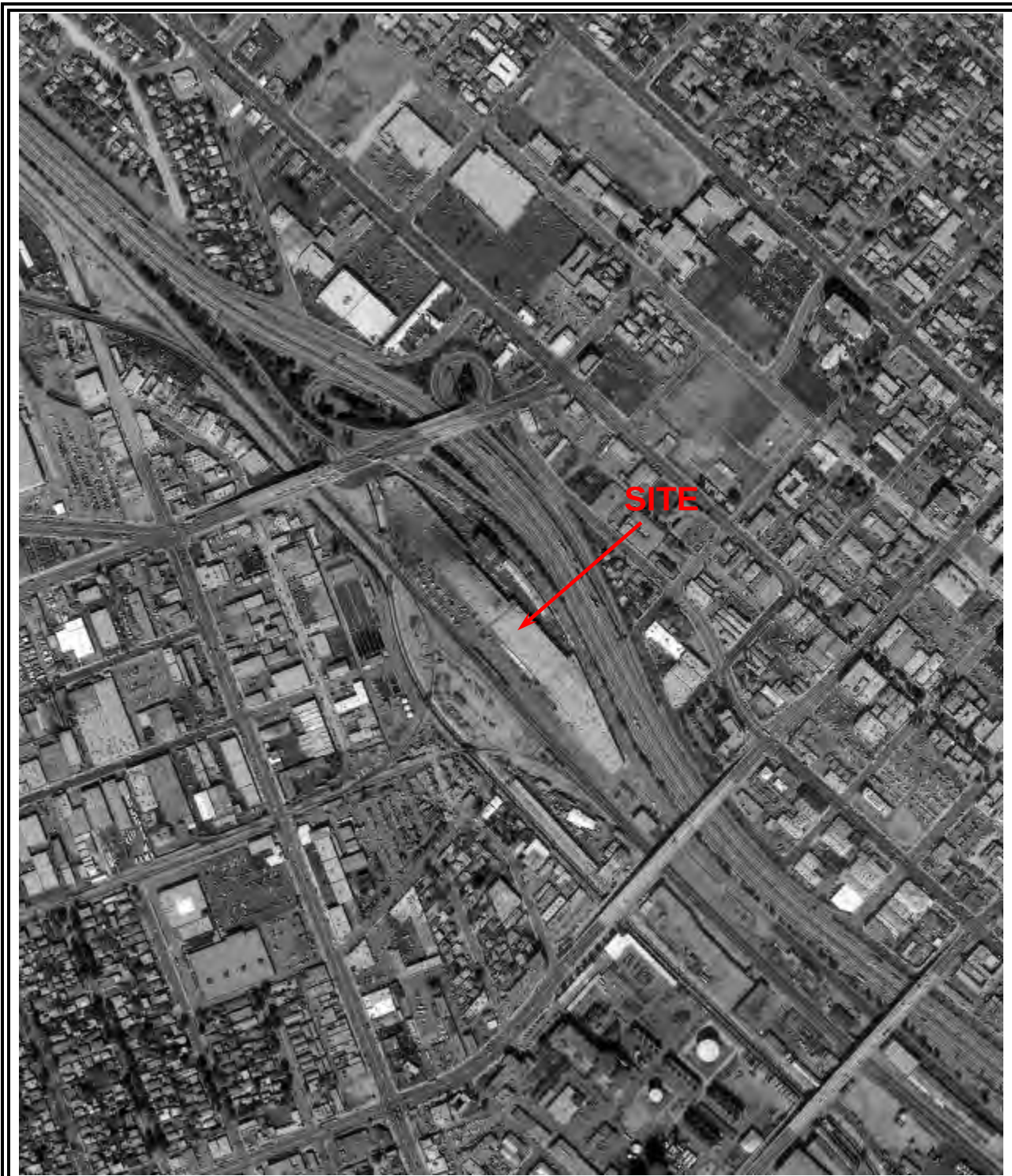
Redevelopment Property
Burbank, Los Angeles County, California

1983 Aerial Photograph

(Approximate Scale: 1 inch = 500 feet)



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Project No. TERRCA003.03

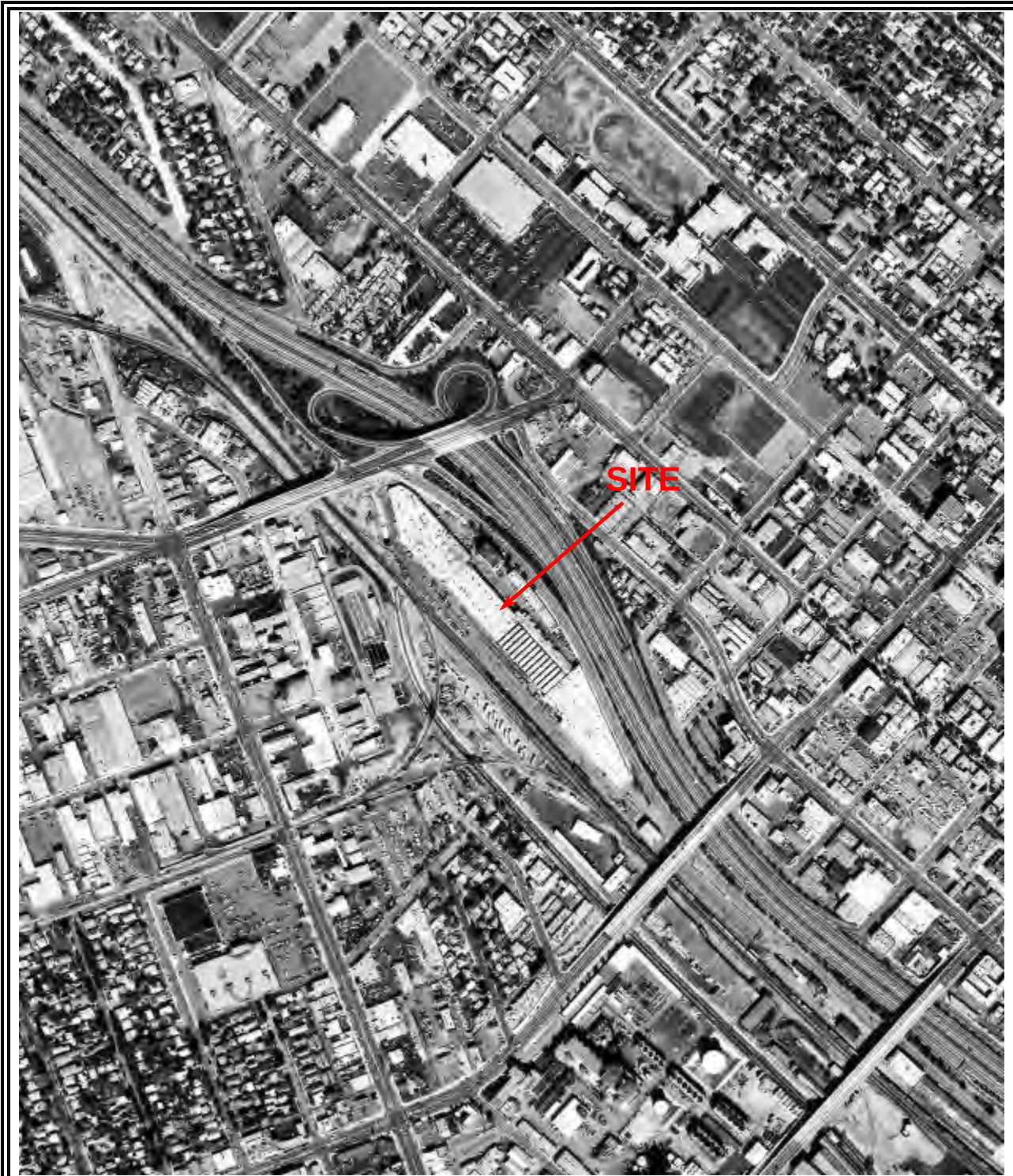
Redevelopment Property
Burbank, Los Angeles County, California

1979 Aerial Photograph

(Approximate Scale: 1 inch = 500 feet)



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Redevelopment Property
Burbank, Los Angeles County, California

1972 Aerial Photograph

(Approximate Scale: 1 inch = 500 feet)



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Project No. TERRCA003.03

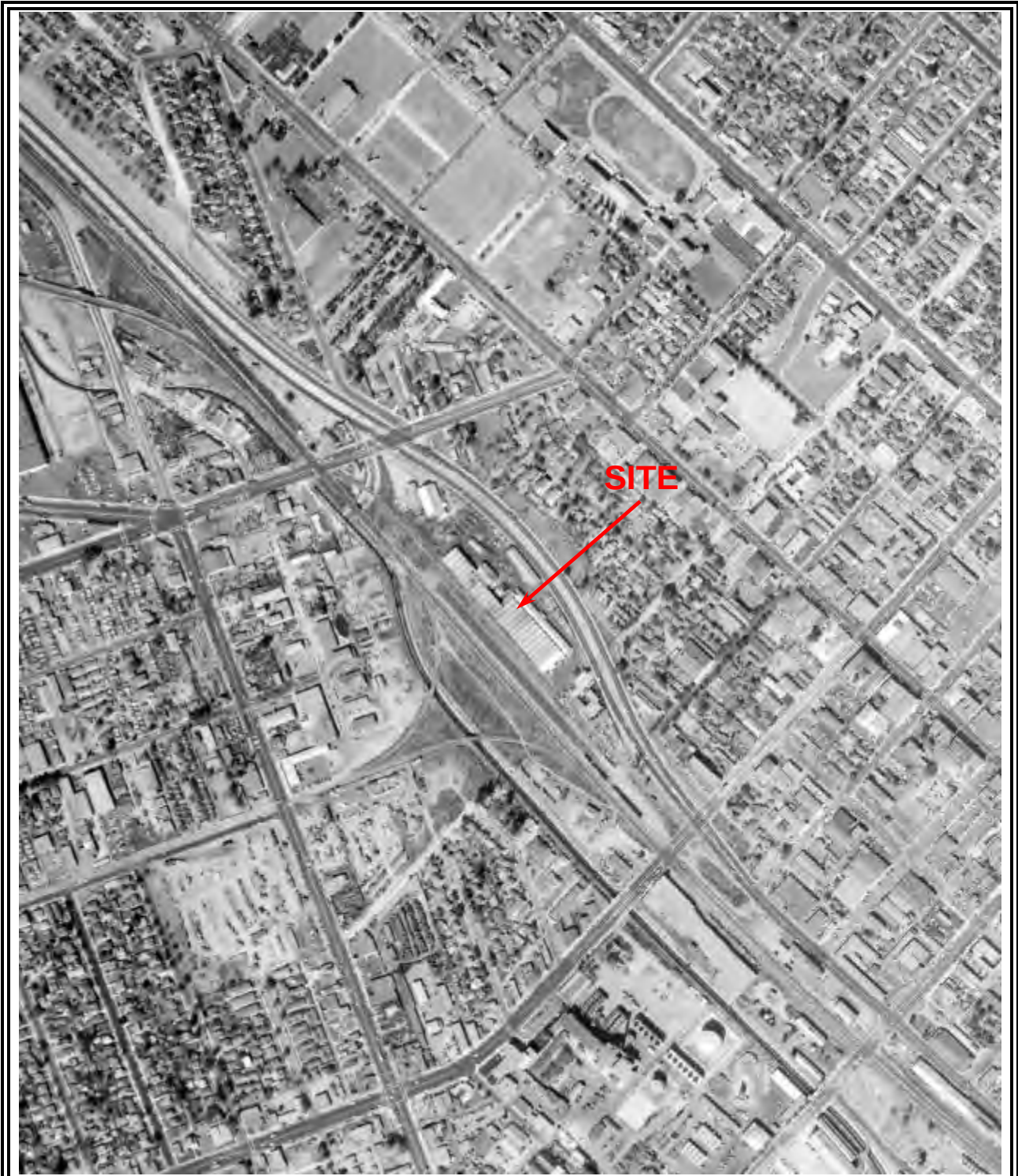
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Burbank, Los Angeles County, California

1964 Aerial Photograph

(Approximate Scale: 1 inch = 500 feet)



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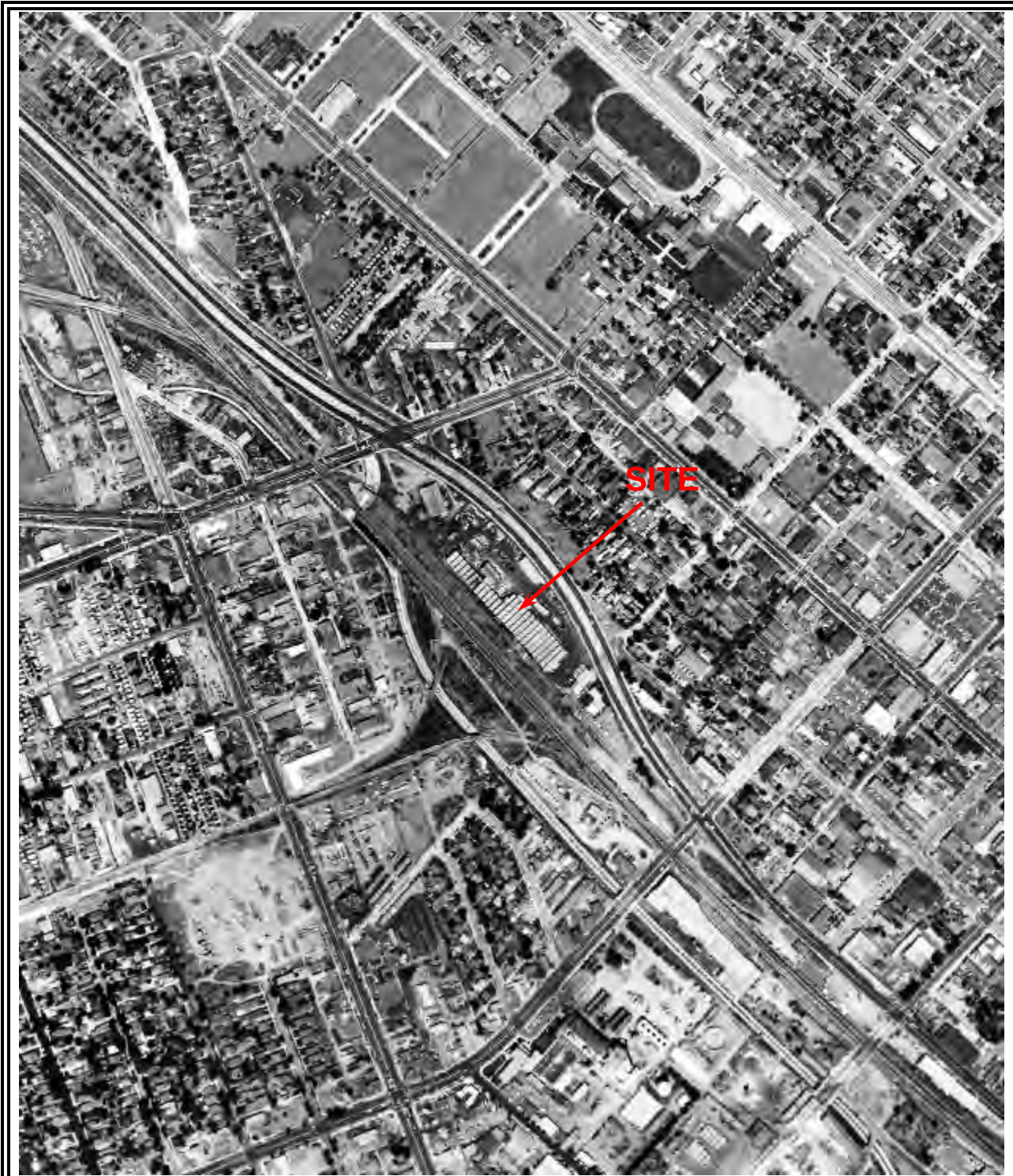
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Burbank, Los Angeles County, California

1954 Aerial Photograph

(Approximate Scale: 1 inch = 500 feet)



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Project No. TERRCA003.03

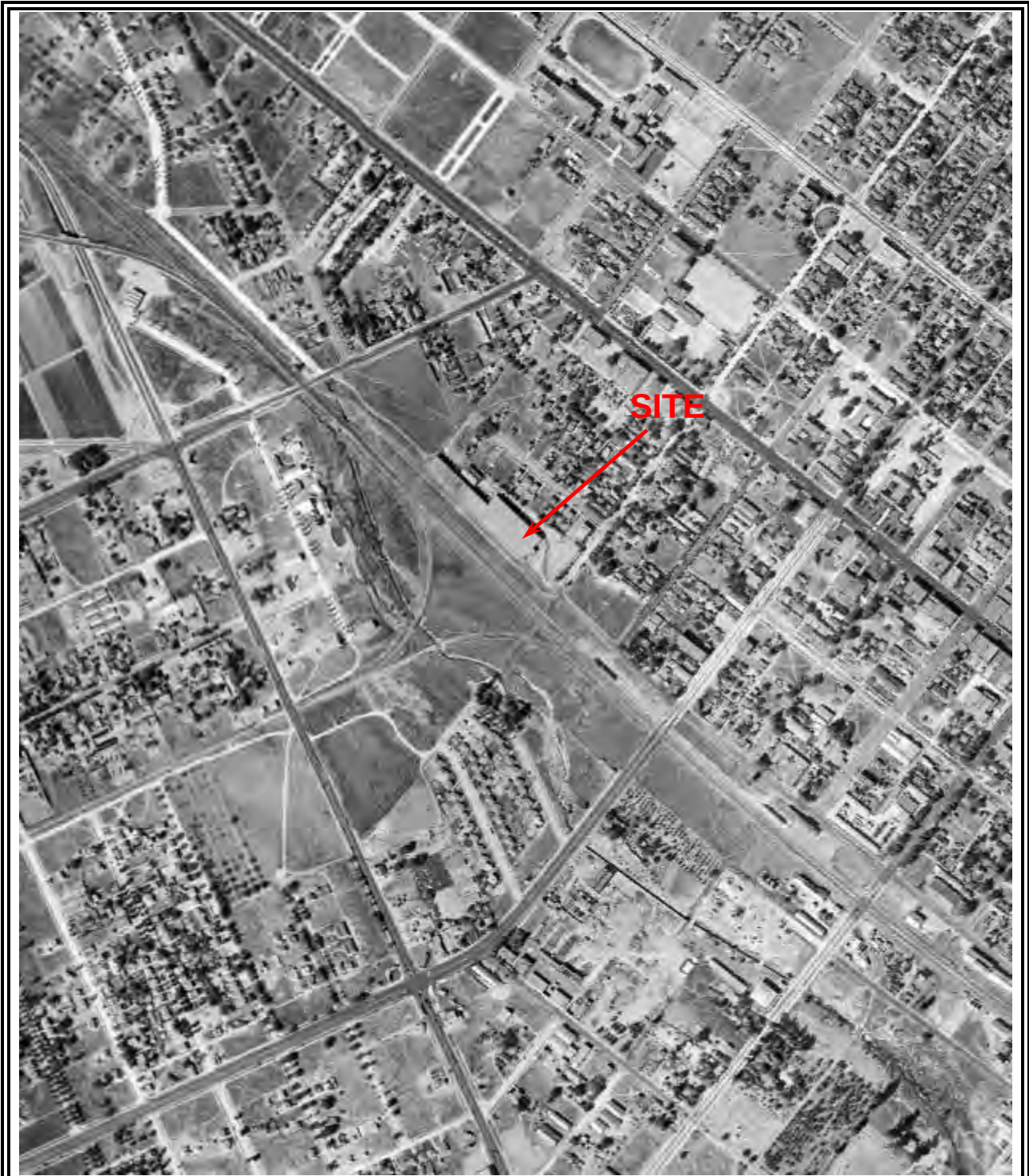
Redevelopment Property
Burbank, Los Angeles County, California

1952 Aerial Photograph

(Approximate Scale: 1 inch = 500 feet)



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Project No. TERRCA003.03

Redevelopment Property
Burbank, Los Angeles County, California

1940 Aerial Photograph

(Approximate Scale: 1 inch = 500 feet)



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Burbank Development Project

777 N Front Street

Burbank, CA 91502

Inquiry Number: 4463905.4

November 11, 2015

EDR Historical Topo Map Report

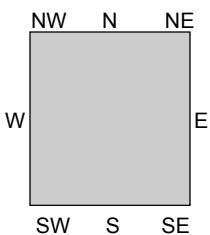
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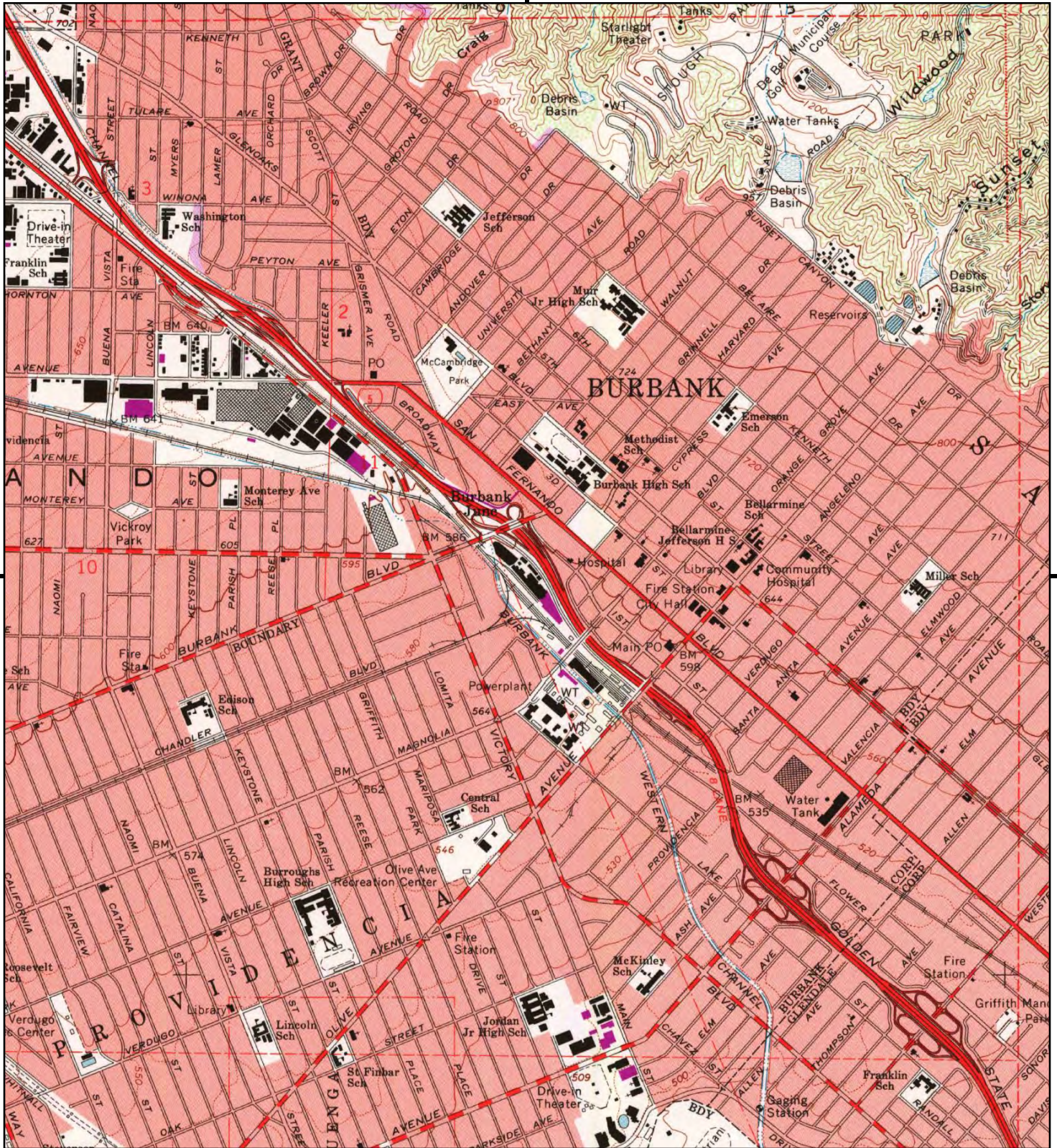
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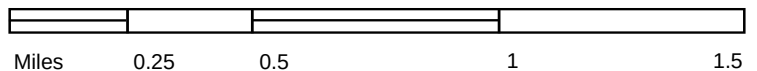
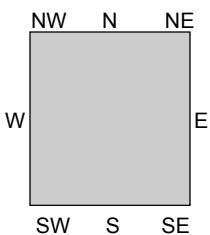
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ADDRESS: 777 N Front Street
Burbank, CA 91502
CLIENT: Blackstone Consulting, LLC





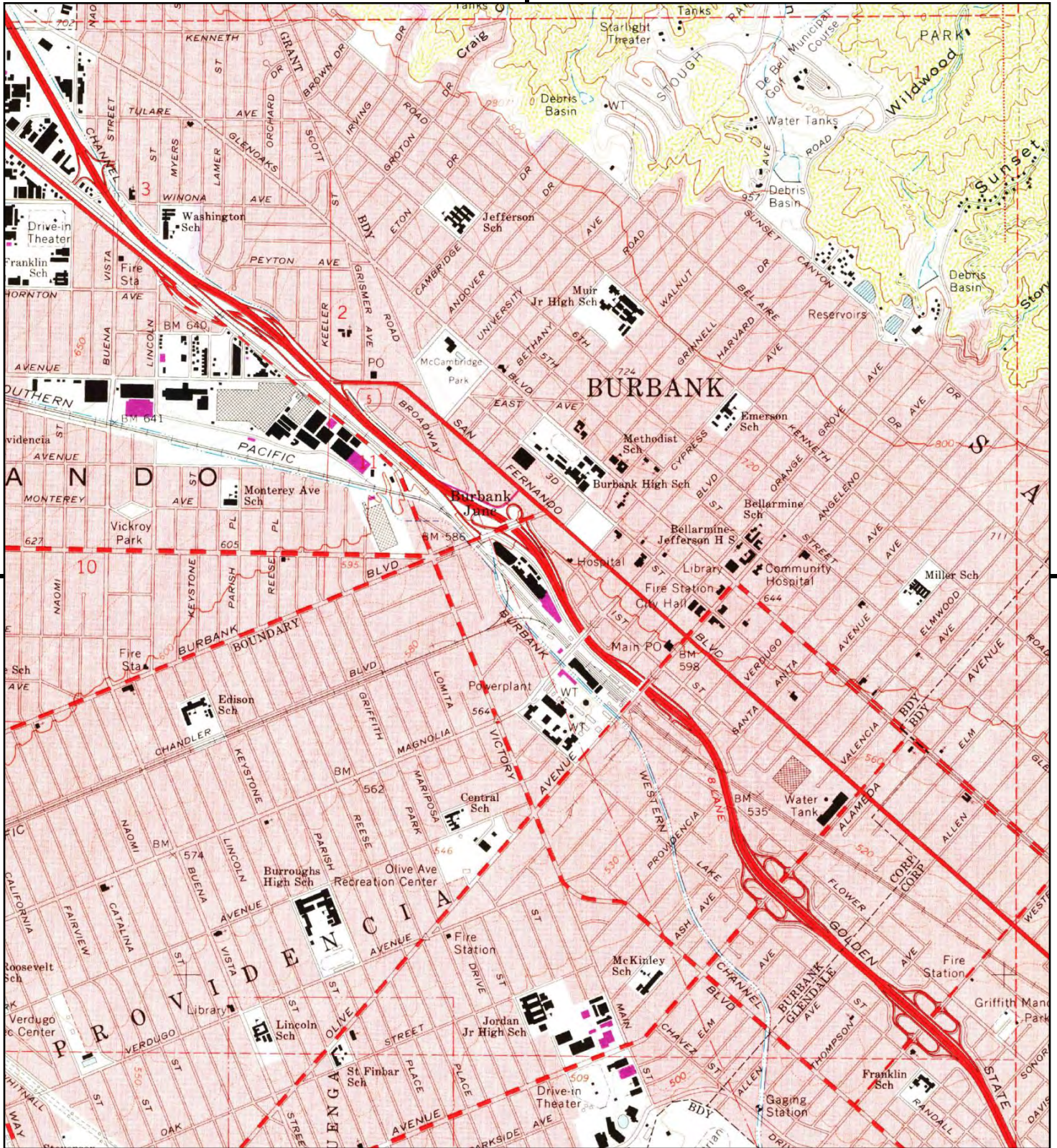
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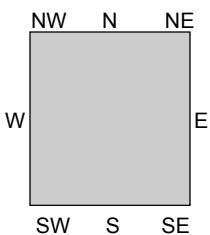
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 ADDRESS: 777 N Front Street
 Burbank, CA 91502
 CLIENT: Blackstone Consulting, LLC





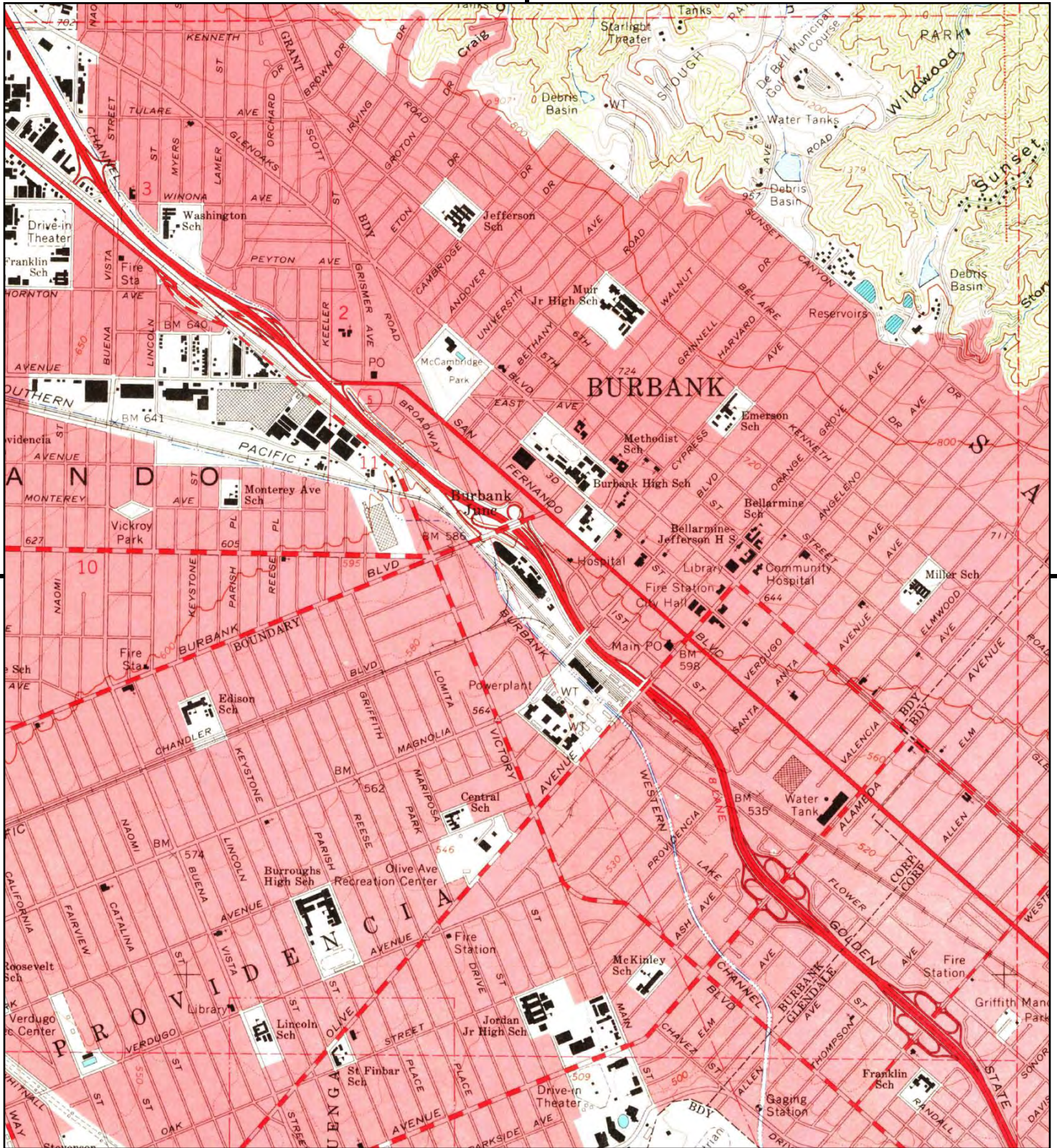
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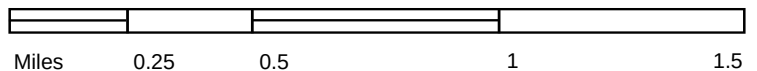
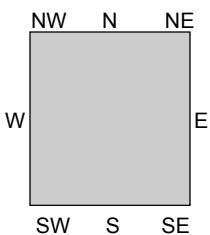
TP, Burbank, 1972, 7.5-minute

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 ADDRESS: 777 N Front Street
 Burbank, CA 91502
 CLIENT: Blackstone Consulting, LLC





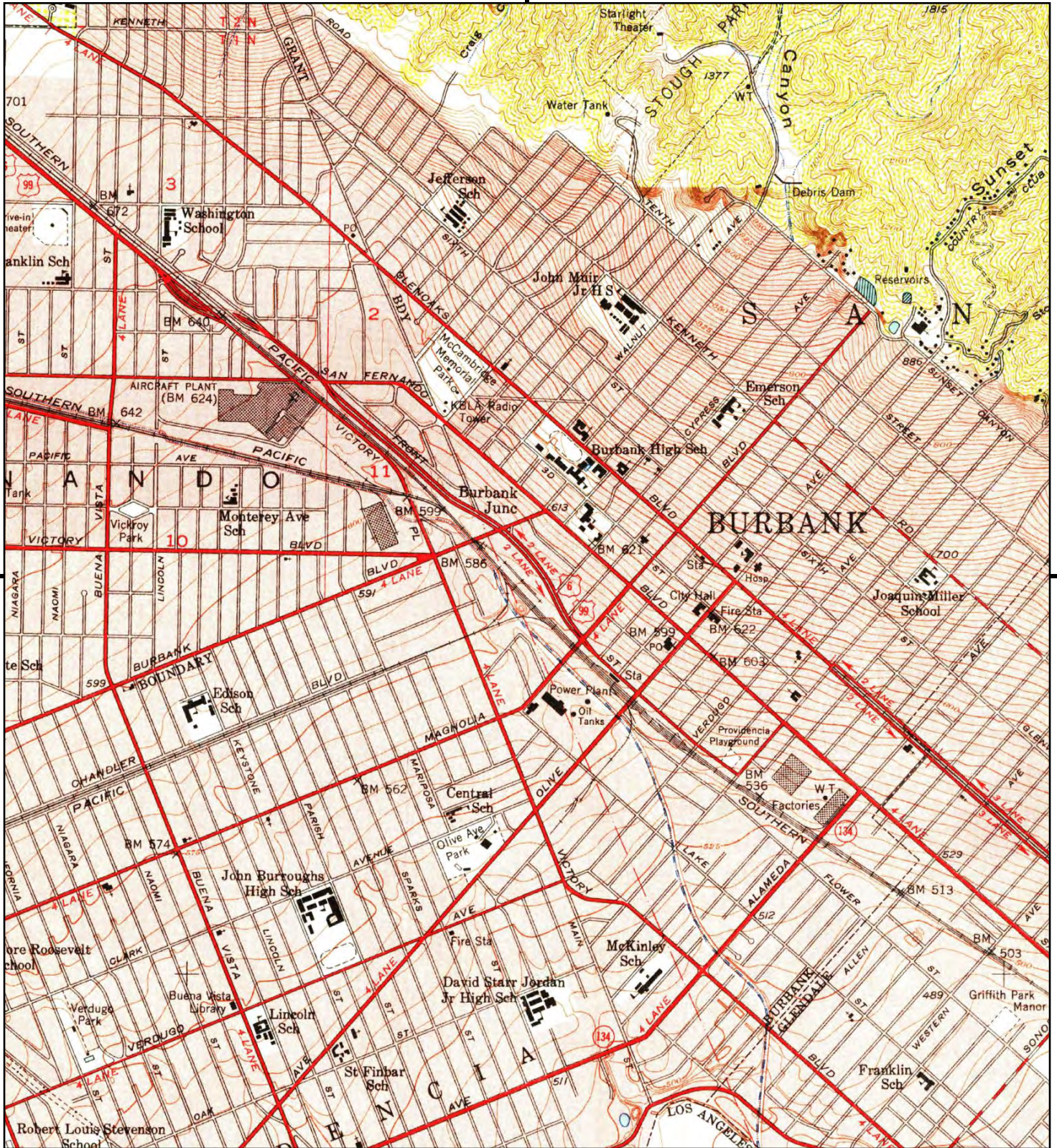
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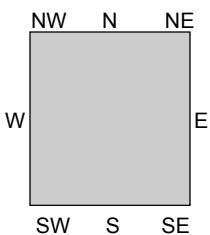
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 ADDRESS: 777 N Front Street
 Burbank, CA 91502
 CLIENT: Blackstone Consulting, LLC





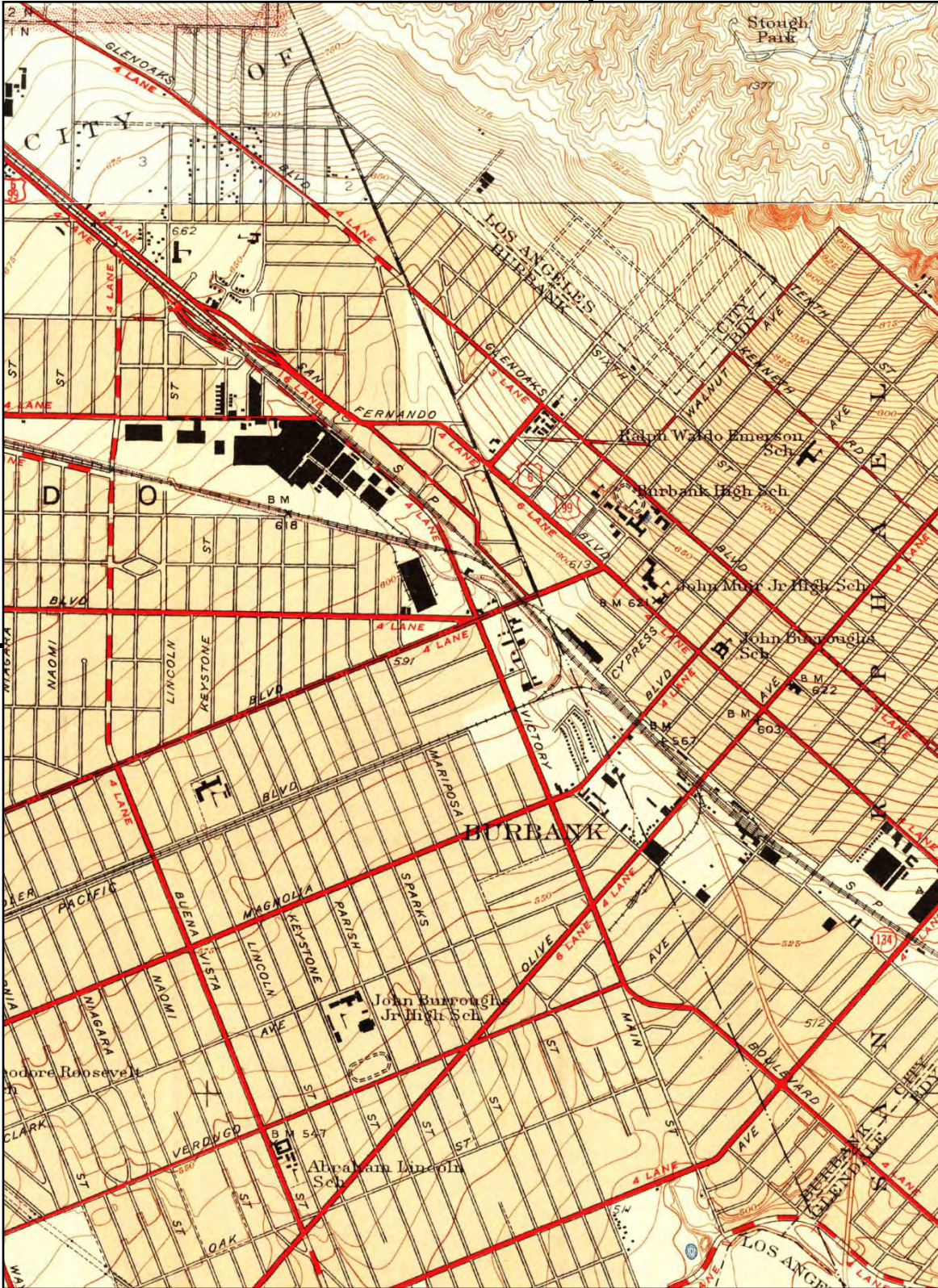
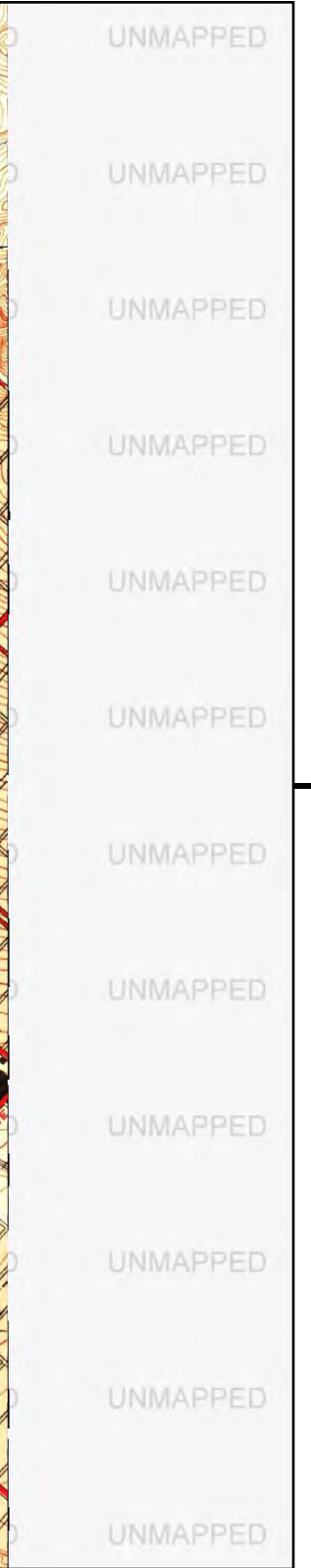
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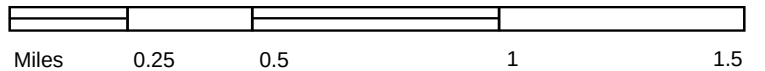
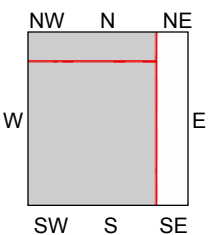
TP, Burbank, 1953, 7.5-minute

SITE NAME: Burbank Development Project
ADDRESS: 777 N Front Street
Burbank, CA 91502
CLIENT: Blackstone Consulting, LLC





This report includes information from the following map sheet(s).



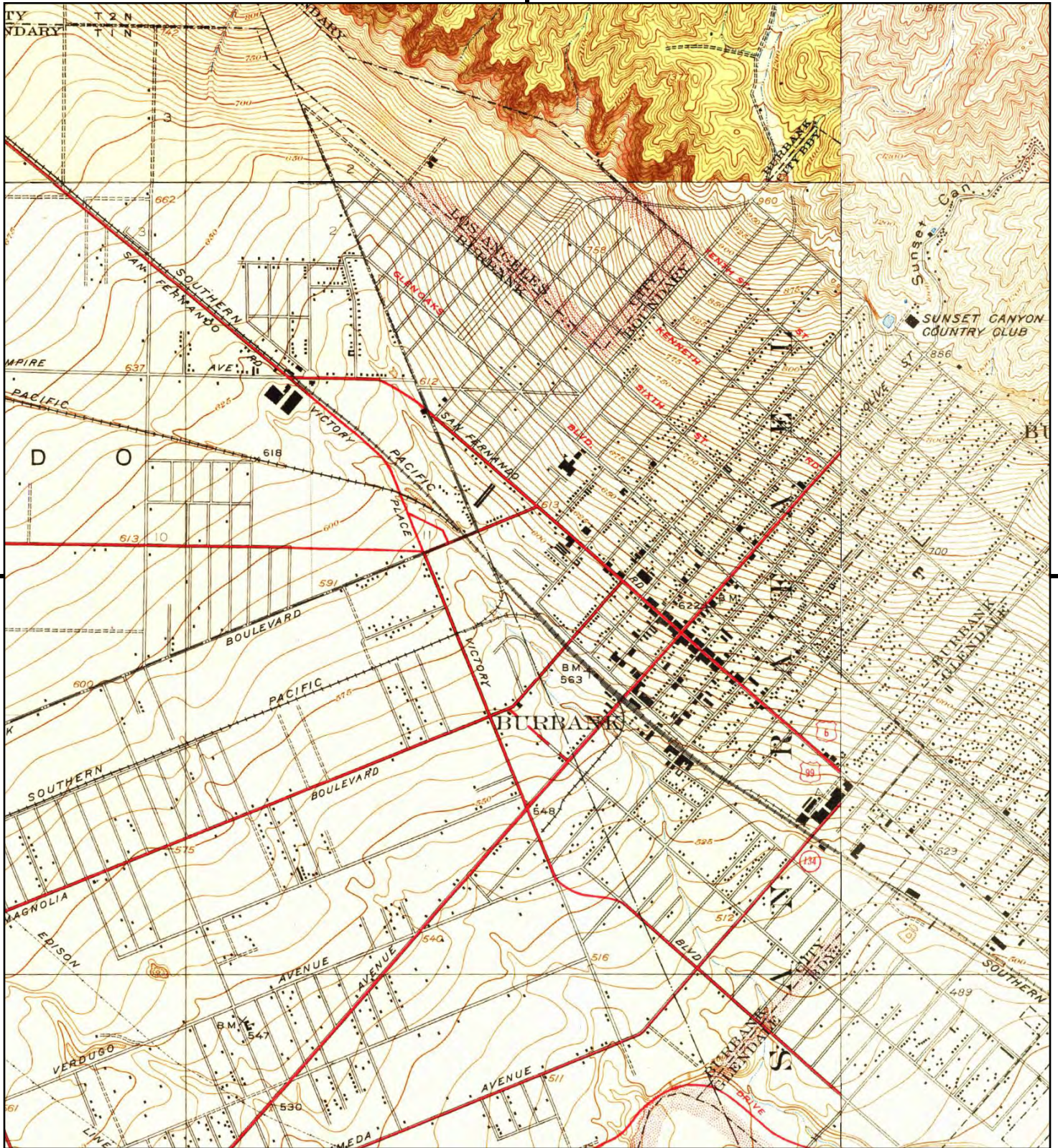
TP, Burbank, 1948, 7.5-minute
N, Sunland, 1948, 7.5-minute

SITE NAME: Burbank Development Project
ADDRESS: 777 N Front Street
Burbank, CA 91502
CLIENT: Blackstone Consulting, LLC

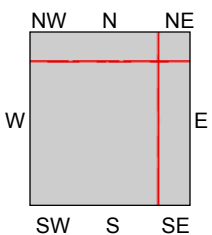


Historical Topo Map

1926, 1928



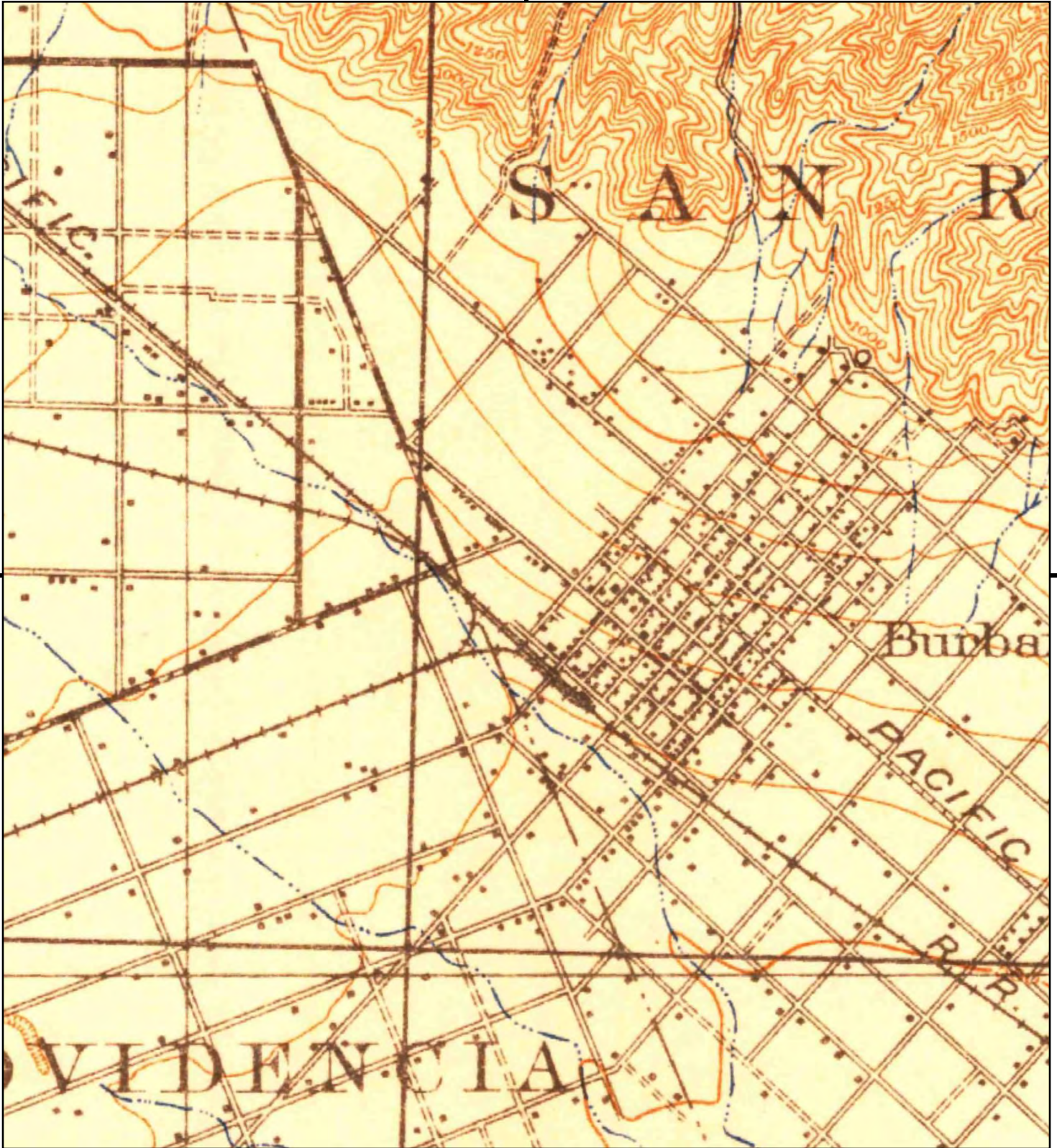
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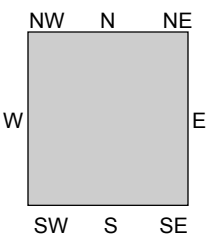
TP, Burbank, 1926, 7.5-minute
 N, Sunland, 1926, 7.5-minute
 NE, La Crescenta, 1928, 7.5-minute
 SE, Glendale, 1928, 7.5-minute

SITE NAME: Burbank Development Project
 ADDRESS: 777 N Front Street
 Burbank, CA 91502
 CLIENT: Blackstone Consulting, LLC





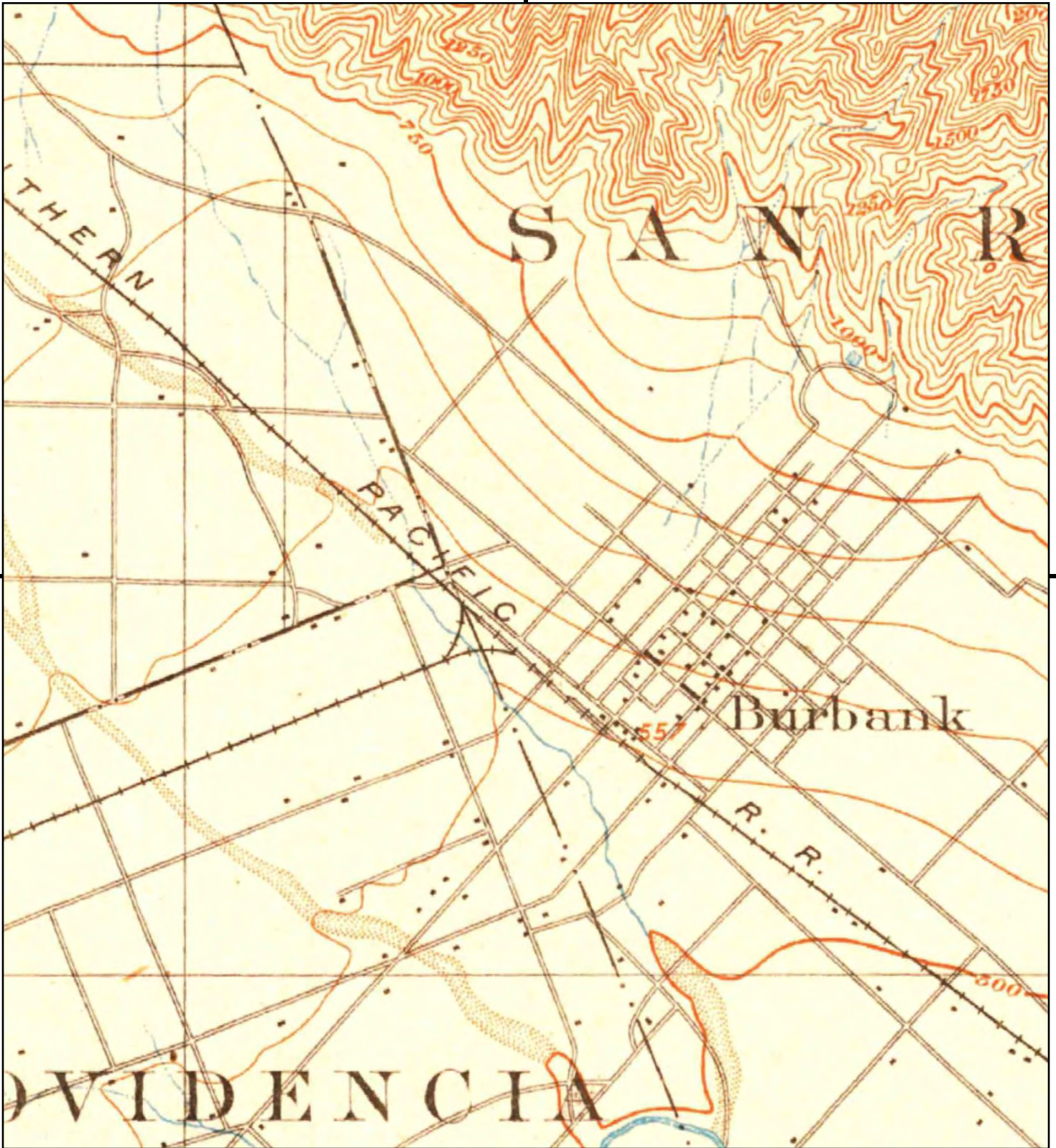
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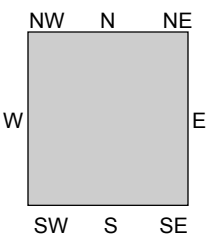
TP, Santa Monica, 1921, 15-minute

SITE NAME: Burbank Development Project
 ADDRESS: 777 N Front Street
 Burbank, CA 91502
 CLIENT: Blackstone Consulting, LLC





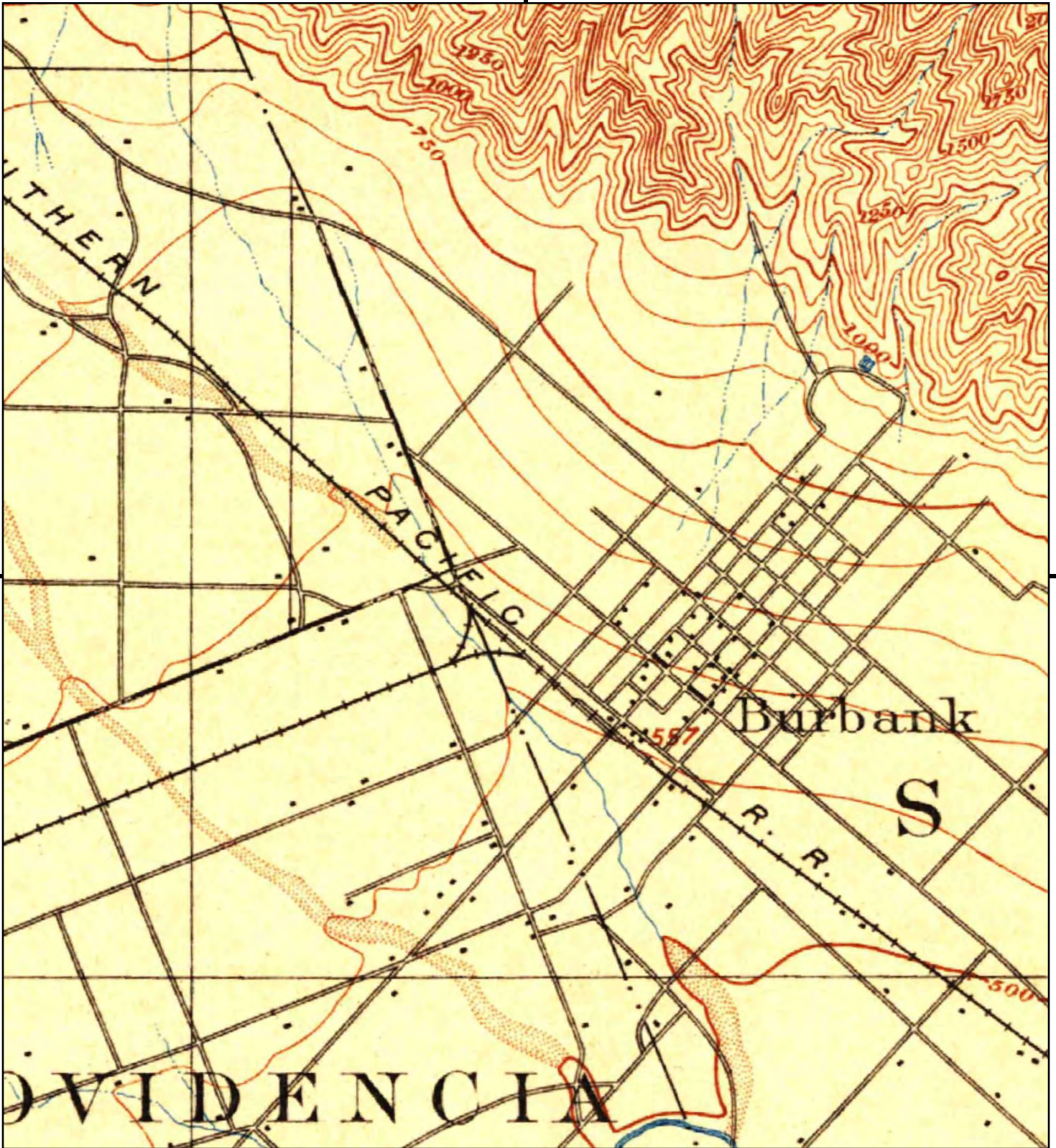
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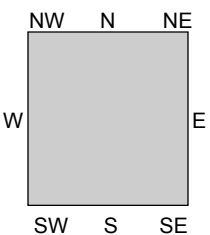
TP, Santa Monica, 1902, 15-minute

SITE NAME: Burbank Development Project
 ADDRESS: 777 N Front Street
 Burbank, CA 91502
 CLIENT: Blackstone Consulting, LLC





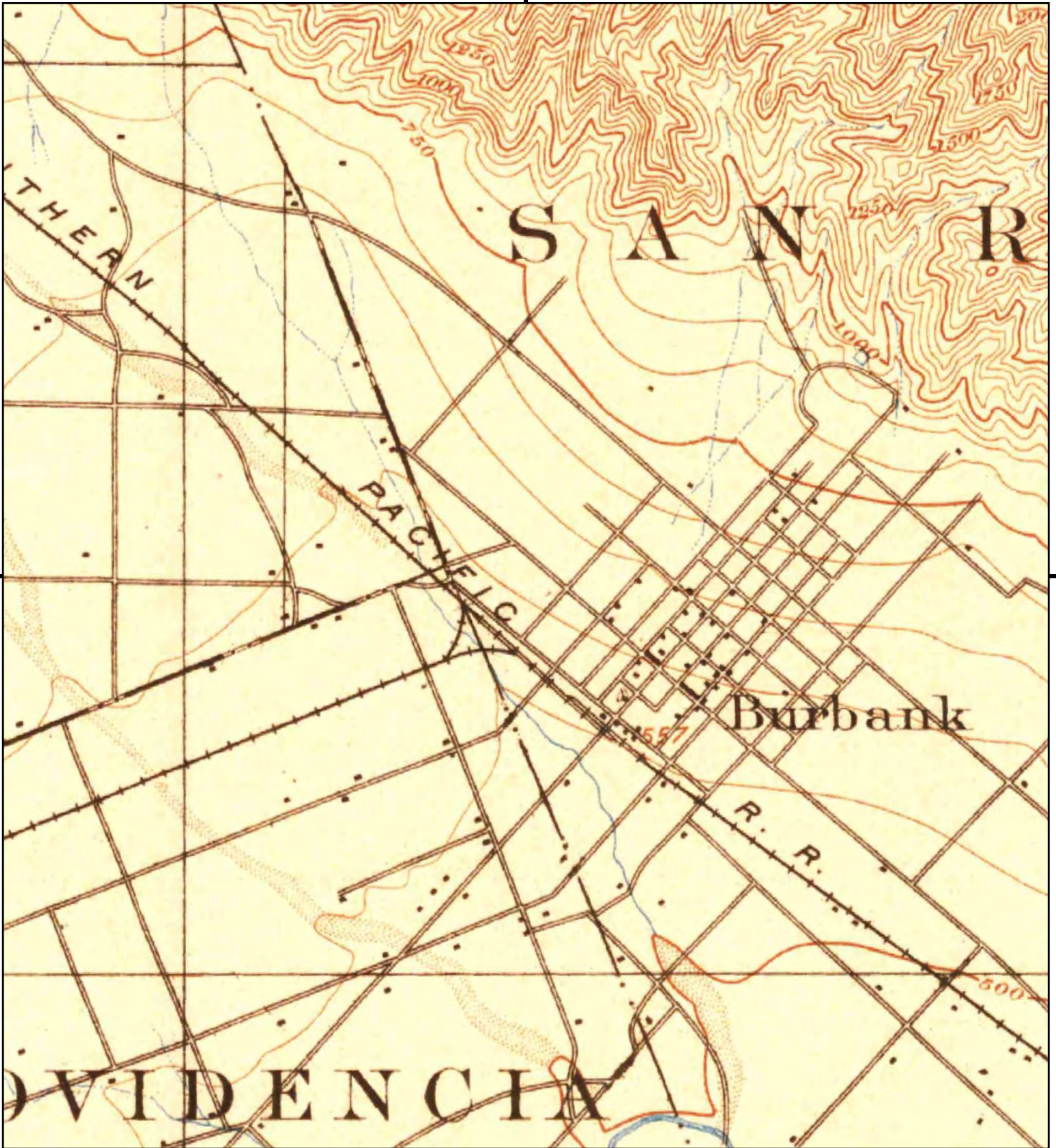
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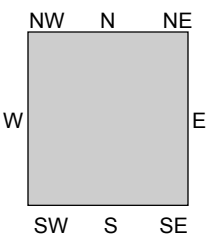
TP, Los Angeles, 1900, 15-minute

SITE NAME: Burbank Development Project
 ADDRESS: 777 N Front Street
 Burbank, CA 91502
 CLIENT: Blackstone Consulting, LLC





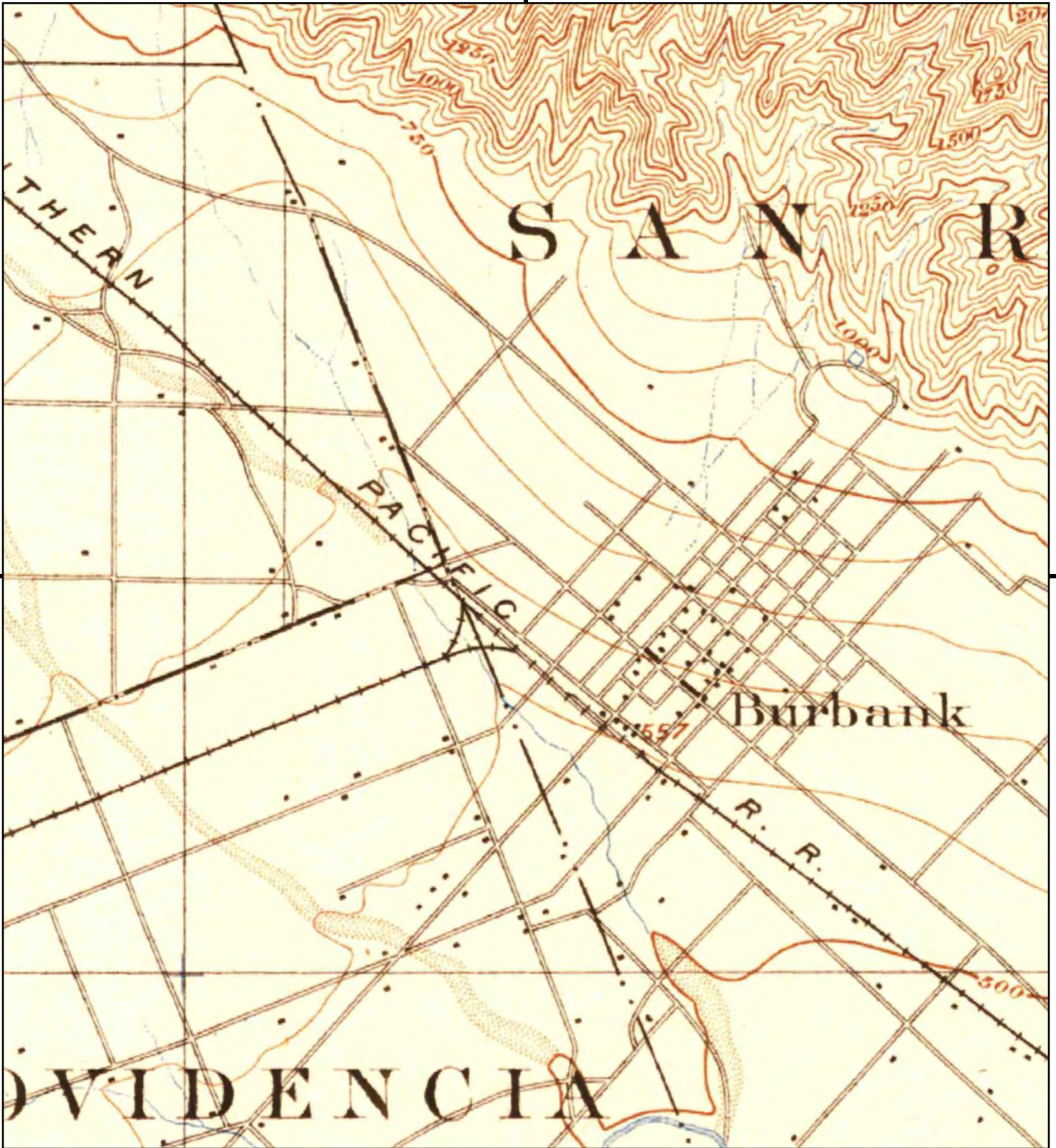
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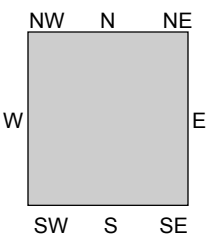
TP, Santa Monica, 1898, 15-minute

SITE NAME: Burbank Development Project
 ADDRESS: 777 N Front Street
 Burbank, CA 91502
 CLIENT: Blackstone Consulting, LLC





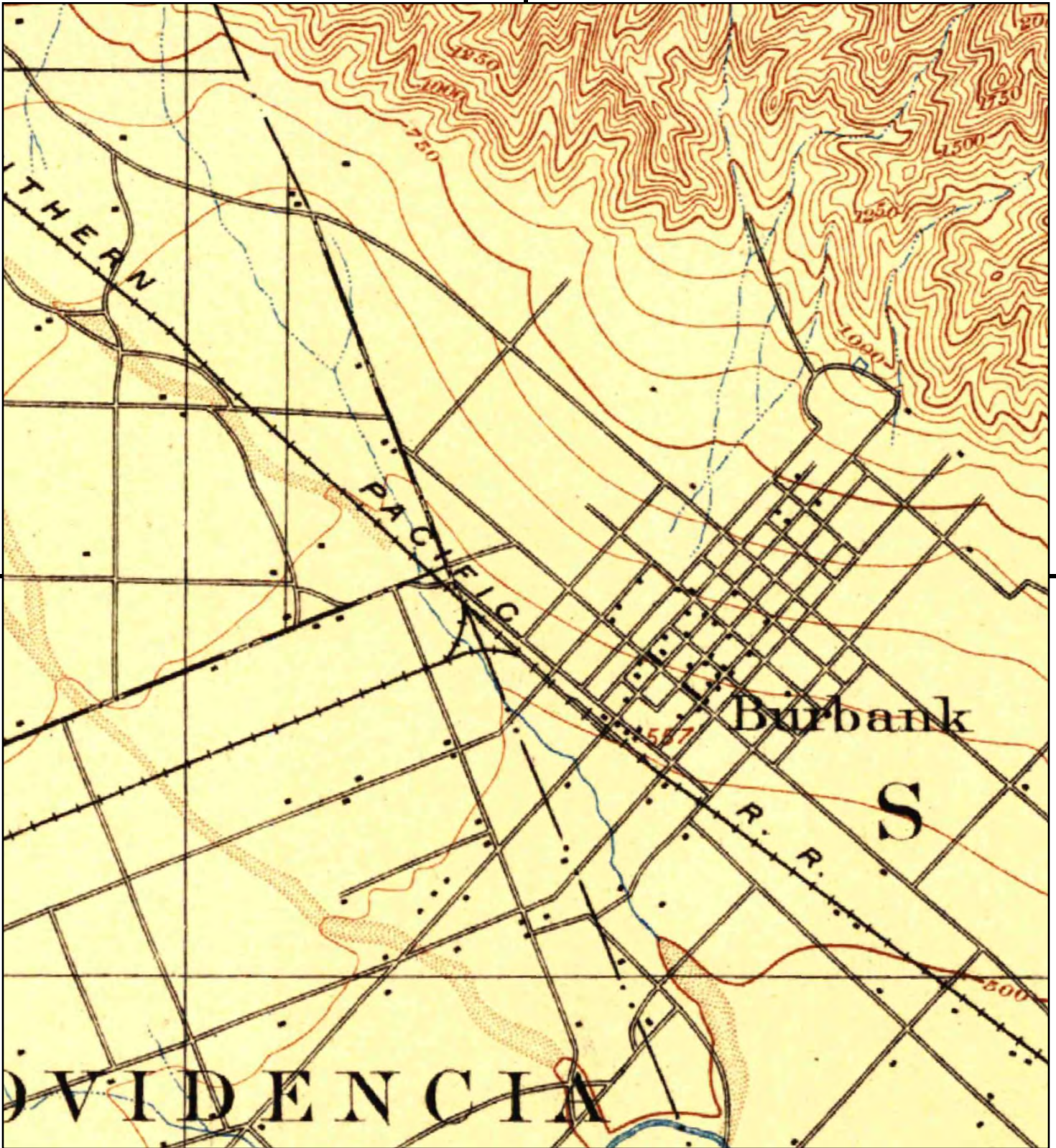
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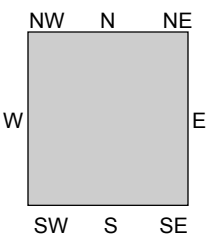
TP, Santa Monica, 1896, 15-minute

SITE NAME: Burbank Development Project
 ADDRESS: 777 N Front Street
 Burbank, CA 91502
 CLIENT: Blackstone Consulting, LLC





This report includes information from the following map sheet(s).



TP, Los Angeles, 1894, 15-minute

SITE NAME: Burbank Development Project
 ADDRESS: 777 N Front Street
 Burbank, CA 91502
 CLIENT: Blackstone Consulting, LLC



BURBANK UPDATE ESA
777 NORTH FRONT STREET
BURBANK, CA

Inquiry Number: 5343805.1
JUNE 28, 2018

EDR Environmental Lien and AUL Search



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Environmental Lien and AUL Search

The EDR Environmental Lien Search Report provides results from a search of available current land title records for environmental cleanup liens and other activity and use limitations, such as engineering controls and institutional controls.

A network of professional, trained researchers, following established procedures, uses client supplied address information to:

- search for parcel information and/or legal description;
- search for ownership information;
- research official land title documents recorded at jurisdictional agencies such as recorders' offices, registries of deeds, county clerks' offices, etc.;
- access a copy of the deed;
- search for environmental encumbering instrument(s) associated with the deed;
- provide a copy of any environmental encumbrance(s) based upon a review of key words in the instrument(s) (title, parties involved, and description); and
- provide a copy of the deed or cite documents reviewed.

Thank you for your business.

Please contact EDR at 1-800-352-0050
with any questions or comments.

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EDR Environmental Lien and AUL Search

TARGET PROPERTY INFORMATION

ADDRESS

BURBANK UPDATE ESA
777 NORTH FRONT STREET
BURBANK, CA

RESEARCH SOURCE

Source 1: LOS ANGELES COUNTY RECORDER OF DEEDS

Source 2: CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY

Source 3: UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

PROPERTY INFORMATION

Deed 1

Type of Deed:	CORPORATION GRANT DEED AND INDENTURE
Title is vested in:	NORTHRIDGE PROPERTIES LLC
Title received from:	FORD LEASING DEVELOPMENT COMPANY
Date Executed:	05/06/2005
Date Recorded:	05/11/2005
Book:	NA
Page:	NA
Volume:	NA
Instrument#:	05 1111340
Docket:	NA
Land Record Comments:	NA
Miscellaneous Comments:	NA

Legal Description: AS RECORDED IN THE DEED BELOW

Current Owner: NORTHRIDGE PROPERTIES LLC

Property Identifiers: 2449-038-013

Comments: NA

ENVIRONMENTAL LIEN

Environmental Lien: Found ☐ Not Found ☒

If Found:

1st Party:	NA
2 nd Party:	NA
Dated:	NA
Recorded:	NA
Book:	NA
Page:	NA
Docket:	NA

EDR Environmental Lien and AUL Search

Volume: NA
Instrument #: NA
Comments:
Miscellaneous:

OTHER ACTIVITY AND USE LIMITATIONS (AULS)

Other AUL's: Found ☐ Not Found ☒

If Found:

1st Party: NA
2nd Party: NA
Dated: NA
Recorded: NA
Book: NA
Page: NA
Docket: NA
Volume: NA
Instrument #: NA
Comments:
Miscellaneous:

1st Party: NA
2nd Party: NA
Dated:
Recorded: NA
Book: NA
Page: NA
Docket: NA
Volume: NA
Instrument #: NA
Comments:
Miscellaneous:

EDR Environmental Lien and AUL Search

MISCELLANEOUS

Type of Instrument: NONE IDENTIFIED

1st Party:

2nd Party:

Date Recorded:

Instrument #:

Book:

Page:

Comments:

EDR Environmental Lien and AUL Search

DEED EXHIBIT

This page is part of your document - DO NOT DISCARD

05 1111340

RECORDED/FILED IN OFFICIAL RECORDS
RECORDER'S OFFICE
LOS ANGELES COUNTY
CALIFORNIA
05/11/05 AT 08:00am

DEED

TITLE(S) :



L E A D S H E E T

FEE

FEE \$63-M

B

A.F.N.F. CODE 94

D.T.T

TRANSFER TAX
NOT A PUBLIC RECORD

CODE
20

CODE
19

CODE
9

NOTIFICATION SENT \$4 ©

Assessor's Identification Number (AIN)

To be completed by Examiner OR Title Company in black ink.

Number of AIN's Shown

2449-037-011

001

THIS FORM NOT TO BE DUPLICATED

STALH LAND TITLE CO.
Recording requested by,
and when recorded, mail to:

05 1111340

Northridge Properties, LLC
c/o Alan J. Skobin, Esq.
Vice President and
General Counsel
Galpin Motors
15505 Roscoe Blvd.
North Hills, CA 91343

Mail tax statements as above

6152567-27

Space above this line for Recorder's use only

CORPORATION GRANT DEED AND INDENTURE

TRANSFER TAX
NOT A PUBLIC RECORD

FORD LEASING DEVELOPMENT COMPANY, a Delaware corporation, Grantor, hereby GRANTS to NORTHRIDGE PROPERTIES, LLC, a California limited liability company, Grantee, that certain real property situated in the City of Burbank, County of Los Angeles, State of California, and more particularly described in Exhibit "A," attached hereto and by this reference incorporated herein

This grant is made subject to easements, covenants, conditions, reservations and restrictions of record

This grant is also made subject to the following covenants restricting the use of the land granted herein, which covenants are intended by Grantor and by Grantee to run with the land as provided in California Civil Code Section 1468 as it exists as of the date hereof, and to be binding upon their respective successors and assigns. The burdened property is the real property described in Exhibit A. The property of Grantor intended to be benefited by the restrictive covenants is the real property described in Exhibit B, attached hereto and by this reference incorporated herein.

By its acceptance of the within grant, Grantee does hereby covenant and agree that it shall not use the land described in Exhibit A attached hereto ("Burdened Lands") for an Automotive Dealership as defined below for the sale of new motor vehicles of any brand whatsoever for a period of twenty five (25) years from the date hereof. In addition, Grantee does hereby covenant and agree that it shall not use the Burdened Land for (1) an Automotive Dealership for the sale, lease or distribution of used motor vehicles, nor (2) for any facility for the service or repair of motor vehicles, for a period of twenty five (25) years from the date hereof without in each case having first received the prior written consent of Grantor. The term Automotive Dealership shall mean any sales or leasing facility or activity for distribution, sale and/or leasing of new or used automobiles, sport utility vehicles, light or heavy trucks (by whatever source of motive power as to any of them)

09300/0016/457931 7

DOCUMENT TRANSFER TAX \$ Not A Public Record

☒ COMPUTED ON FULL VALUE OF PROPERTY CONVEYED

☐ OR COMPUTED ON FULL VALUE LESS LIENS AND ENCUMBRANCES REMAINING AT TIME OF SALE

Signature of Declarant or Agent determining tax Firm Name

3

These covenants are for the express benefit of the Benefited Property, Grantor and its successors and assigns.

The covenants provided for herein shall run with the Burdened Lands and shall be binding upon each successor owner, during his ownership of any portion of the Burdened Lands affected thereby and upon each person having an interest in the Burdened Lands derived through any owner thereof.

The covenants provided for herein shall automatically terminate and shall be of no further force or effect on the date which is twenty five (25) years from the date of recordation of this Grant Deed and Indenture.

Grantee acknowledges and agrees that a breach or potential breach of these covenants shall cause substantial harm and that monetary damages shall not be sufficient or adequate to remedy any such breach or potential breach. Therefore, the injured party shall have the right to seek injunctive relief, including an injunction requiring any Automotive Dealership or facility for the service or repair of automotive products on the Burdened Lands to be removed. The owners from time to time of the Burdened Lands shall not acquire any equitable rights whatsoever as a result of making any Automotive Dealership, service or repair improvements to the Burdened Lands.

Grantee hereby agrees, on its own behalf and on behalf of all successors and assigns of any interest in the Burdened Lands, that upon any sale, conveyance or other transfer of all or a portion of the Burdened Lands, it shall cause such transferee to expressly assume the restriction of the covenants herein contained in any deed transferring title. Such assumption shall also obligate each transferee to obtain such an assumption in each and every subsequent transfer of title from each subsequent transferee.

Grantee further agrees, on its own behalf and on behalf of all successors and assigns of any interest in the Burdened Lands, that if for any reason the within covenants and restrictions are deemed not to run with the land as to the Burdened Lands, then each of them shall be enforceable as an equitable servitude by Grantor, its successors and assigns of the Benefited Property, against Grantee, its successors and assigns.

NOTICE: THE REAL PROPERTY DESCRIBED IN EXHIBIT A IS SUBJECT TO THAT CERTAIN "AGREEMENT AND COVENANT NOT TO SUE FORD LEASING DEVELOPMENT COMPANY AND FORD FRONT REALTY CORP." BY AND BETWEEN THE UNITED STATES ENVIRONMENTAL PROTECTION AGENCY AND FORD LEASING DEVELOPMENT COMPANY, DATED MARCH 16, 2000, A TRUE AND CORRECT COPY OF WHICH WAS CERTIFIED BY THE UNITED STATES ENVIRONMENTAL PROTECTION AGENCY ON JUNE 28, 2000 AND RECORDED JULY 28, 2000 TOGETHER WITH THAT CERTAIN "NOTICE OF AGREEMENT AND COVENANT NOT TO SUE, BETWEEN THE U.S. ENVIRONMENTAL PROTECTION AGENCY AND FORD LEASING DEVELOPMENT COMPANY, INCLUDING ACCESS RIGHTS TO REAL PROPERTY," AS DOCUMENT # 00 1062454, OFFICIAL RECORDS OF LOS ANGELES COUNTY, CALIFORNIA. BY ITS ACCEPTANCE OF THIS DEED GRANTEE ACKNOWLEDGES RECEIPT OF A TRUE COPY THEREOF.

(BALANCE OF THIS PAGE INTENTIONALLY LEFT BLANK)

IN WITNESS WHEREOF, Grantor has caused these presents to be executed this 6 day of May, 2005. 4

GRANTOR: FORD LEASING DEVELOPMENT COMPANY
a Delaware corporation

By: Diane L. Morris
Vice President
Title: _____

Attest: B. D. Hernan
B. D. HERNAN
ASSISTANT SECRETARY
Title: _____

GRANTEE'S ACCEPTANCE

Northridge Properties, LLC, a California limited liability does hereby accept the within Grant Deed and restrictive covenant, agrees that the promises therein are supported by good and valuable consideration, and agrees that it and its successors and assigns are bound by the provisions thereof.

Date: _____, 2005

NORTHRIDGE PROPERTIES, LLC,
a California limited liability company

By: _____

Title: Managing Member

EXECUTED IN COUNTERPART

IN WITNESS WHEREOF, Grantor has caused these presents to be executed this 6
day of _____, 2005.

GRANTOR: FORD LEASING DEVELOPMENT COMPANY
a Delaware corporation

By: _____

Title: _____

Attest: _____

Title: _____

EXECUTED IN COUNTERPART

GRANTEE'S ACCEPTANCE

Northridge Properties, LLC, a California limited liability does hereby accept the within Grant Deed and restrictive covenants, agrees that the promises therein are supported by good and valuable consideration, and agrees that it and its successors and assigns are bound by the provisions thereof.

Date: 5/9, 2005

NORTHRIDGE PROPERTIES, LLC,
a California limited liability company

By: A. E. Beckman

Title: Managing Member

05 1111340

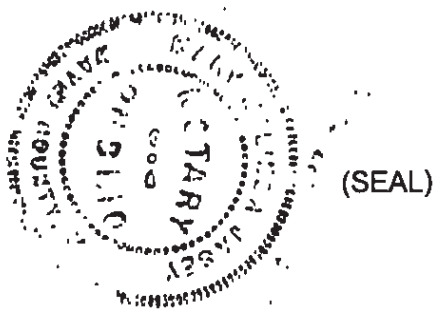
6

ALL-PURPOSE ACKNOWLEDGMENTS

State of Michigan)
) ss
County of Wayne)

On May 6, 2005 before me, Melinda Jasey, personally appeared Diane Morris, Vice President, Ford Leasing Development Company, personally known to me – OR – proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.



Mary Melinda Jasey
Signature

Mary Melinda Jasey
Notary Public, Wayne County, Michigan
My Commission Expires August 19, 2007

State of California)
) ss
County of Los Angeles)

On _____, 200__ before me, _____
(name, title of officer), personally appeared _____,
[] personally known to me – OR – [] proved to me on the basis of satisfactory evidence
to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged
to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by
his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the
person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Signature

(SEAL)

7

ALL-PURPOSE ACKNOWLEDGMENTS

State of Michigan)
) ss
County of Wayne)

On _____, 200____ before me, _____
(name, title of officer), personally appeared _____,
[] personally known to me -- OR -- [] proved to me on the basis of satisfactory evidence
to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged
to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by
his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the
person(s) acted, executed the instrument.

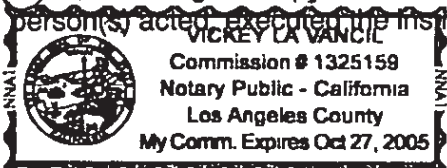
WITNESS my hand and official seal.

Signature

(SEAL)

State of California)
) ss
County of Los Angeles)

On May 9, 2005 before me, Vickey LaVancil, Notary Public
(name, title of officer), personally appeared H.F. Beckmann, II,
[☒] personally known to me -- OR -- [] proved to me on the basis of satisfactory evidence
to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged
to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by
his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the
person(s) acted, executed the instrument.



WITNESS my hand and official seal.

Vickey LaVancil
Signature

(SEAL)

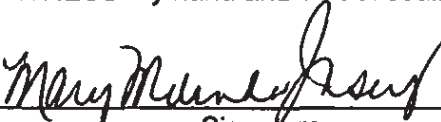
05 1111340

ALL-PURPOSE ACKNOWLEDGMENTS

State of Michigan)
) ss
County of Wayne)

On May 6, 2005 before me, Melinda Jasey, personally appeared Bonnie Herman, Assistant Secretary, Ford Leasing Development Company, personally known to me -- OR -- proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.



Signature

(SEAL)

Mary Melinda Jasey
Notary Public, Wayne County, Michigan
My Commission Expires August 19, 2007

State of California)
) ss
County of Los Angeles)

On _____, 200____ before me, _____
(name, title of officer), personally appeared _____
[] personally known to me -- OR -- [] proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Signature

(SEAL)

EXHIBIT A

LEGAL DESCRIPTION

BURDENED PROPERTY

9

All that certain real property situated in the County of Los Angeles, State of California, described as follows:

Parcel 1:

Lots 14 and 15 of Tract No. 5617, in the City of Burbank, County of Los Angeles, State of California, as per map recorded in Book 85, Page 77 of Maps, in the office of the County Recorder of said County

Parcel 2:

Lots 3, 4, 5, 6, 7, 8 and 9 of Tract No. 5617, in the City of Burbank, County of Los Angeles, State of California, as per map recorded in Book 85, Page 77 of Maps, in the office of the County Recorder of said County.

EXCEPT therefrom those portions thereof described as a whole as follows:

Beginning at the most Northerly corner of said Lot 9; thence Southeasterly along the Northeasterly lines of said Lots 9, 8, 7, 6, 5, 4, 3, to the most Easterly corner of said Lot 3; thence Southwesterly along the Southeasterly line of said Lot 3 to the most Southerly corner thereof; thence Northwesterly along the Southwesterly line of said Lot 3; a distance of 15.28 feet to a point on a curve concave Southwesterly, and having a radius of 1,746 feet; thence Northwesterly along said curve, through an angle of 11° 31' 17" an arc distance of 351.07 feet to a point on the Northwesterly line of said Lot 9, distant thereon 24.16 feet Southwesterly from said most Northerly corner thereof; thence Northeasterly along said Northwesterly line of said Lot 9, a distance of 24.16 feet to the point of beginning.

Parcel 3:

Lots 10, 11, 12 and 13 of Tract No 5617, in the City of Burbank, County of Los Angeles, State of California, as per map recorded in Book 85, Page 77 of Maps, in the office of the County Recorder of said County.

EXCEPT from said land that portion of thereof, described as follows:

Beginning at the most Easterly corner of said Lot 10; thence Southwesterly along the Southeasterly line of said Lot 10; a distance of 24.16 feet; thence Northwesterly along a curve concave Southwesterly and having a radius of 1,746 feet, an arc distance of 198.08 feet to a point on the Northeasterly line of said Lot 13, distant thereon 1.44 feet Southeasterly from the most Northerly corner of Lot 13, thence Southeasterly along the Northeasterly lines of said Lots 13, 12, 11 and 10 to the point of beginning.

Parcel 4:

Those portions of Lots 16 and 18 in Block 64 of Town of Burbank, in the City of Burbank, County of Los Angeles, State of California, as per map recorded in Book 17, Page 19 of

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05 1111340

10
Miscellaneous Records, in the office of the County Recorder of said County, described as a whole as follows:

Beginning at the most Westerly corner of said Lot 18; thence Southeasterly along the Southwesterly line of said lot to the intersection thereof with the Northwesterly line of San Jose Avenue, 60 feet wide, as described in deed recorded in Book 3034, Page 316, Official Records, thence Northeasterly along said Northwesterly line of San Jose Avenue, a distance of 7.52 feet to the Northeasterly line of the land described in deed recorded in Book 33012, Page 309, Official Records, as Parcel 2; thence Northwesterly along said last mentioned Northeasterly line to a point on the Northwesterly line of said Lot 16, distant along the Northwesterly lines of said Lots 18 and 16, 120.02 feet Northeasterly from said most Westerly corner of said Lot 18; thence Southwesterly along said Northwesterly lines of said Lots 16 and 18; a distance of 120.02 feet to the point of beginning.

Parcel 5:

Those portions of Cypress Avenue and Front Street, in the City of Burbank, County of Los Angeles, State of California, as shown on said map of Town of Burbank, as per map recorded in Book 17, Pages 19 et seq. of Miscellaneous Records, in the office of the County Recorder of said County, vacated by Resolution No. 6190, passed by the Council of said City of Burbank, on May 19, 1950, a certified copy thereof having been recorded in Book 33185, Page 116 of Official Records, of said County, and described as a whole as follows:

Beginning at the most Westerly corner of Lot 18 in Block 64 of said Town of Burbank, thence North 41° 16' 39" East along the Northwesterly lines of said Lots 18 and 16 in said Block 64, a distance of 120.02 feet to the most Northerly corner of the land described as Parcel 2 in said deed to the State of California, recorded in Book 33012, Page 309, Official Records of said County; thence North 24° 52' 30" West along the Northwesterly prolongation of the Northeasterly line of said Parcel so described in said last mentioned deed, a distance of 65.60 feet to a point in the Northwesterly line of said Cypress Avenue, 60 feet wide, distant thereon 49.66 feet Southwesterly from the most Southerly corner of Lot 1 of Tract No. 5617, as per map recorded in Book 85, Page 77 of Maps; records of said County; thence Southwesterly, along said Northwesterly line of Cypress Avenue, to the intersection thereof with the Southwesterly line of said Front Street, 66 feet wide; thence South 43° 33' 18" East along said Southwesterly line of Front Street, a distance of 381.53 feet, more or less, to the Southwesterly prolongation of the Northwesterly line of said San Jose Avenue, 60 feet wide; thence along said Southwesterly prolongation, North 41° 15' 35" East a distance of 65.27 feet to the Southwesterly line of said Lot 18; thence North 43° 33' 18" West along said Southwesterly line of said Lot 18, a distance of 321.34 feet to the point of beginning.

Parcel 6:

That portion of Bonnywood Place, as shown on map of Tract No. 5617, in the City of Burbank, County of Los Angeles, State of California, as per map recorded in Book 85, Page 77 of Maps, in the office of the County Recorder of said County, vacated by Resolution No. 6190, passed by the Council of said City of Burbank, on May 16, 1950, a certified copy thereof having been recorded in Book 33185, Page 116, Official Records, of said County, and described as follows:

Beginning at the most Northerly corner of Lot 14 in said Tract No. 5617; thence Southeasterly along the Northeasterly lines of Lots 14 and 13 of said Tract, to a point distant thereon 1.44 feet Southeasterly from the most Northerly corner of said Lot 13, said last mentioned point being a

09300/0016/457931 7

05 1111340

point on a curve concave Southwesterly and having a radius of 1,746 feet; thence Northwesterly along said curve, through an angle of 1° 14' 24" an arc distance of 51.50 feet, to a point on the Northeasterly prolongation of the Northwesterly line of said Lot 14; said last mentioned point being distant along said Northeasterly prolongation 2.55 feet Northeasterly from said most Northerly corner of Lot 14; thence Southwesterly along said Northeasterly prolongation, a distance of 2 55 feet to the point of beginning.

Parcel 7:

Those portions of Lots 3 and 4 in Block 91 of the Rancho Providencia and Scott Tract, in the City of Burbank, County of Los Angeles, State of California, as per map recorded in Book 43, Page 47 et seq. of Miscellaneous Records, of said County, lying Southwesterly of the Southwesterly line of Tract No. 5617, recorded in Book 85, Page 77 of Maps.

EXCEPT therefrom the Southwesterly 67 feet (measured at right angles) of said Lots 3 and 4.

ALSO EXCEPT from said Lot 4 that portion thereof described as follows:

Beginning at the most Southerly corner of Lot 1 of Tract No. 5617, as per map recorded in Book 85, Page 77 of Maps; thence South 41° 16' 39" West along the Southwesterly prolongation of the Southeasterly line of said Lot 1, a distance of 49.66 feet; thence North 24° 62' 30" West a distance of 58.54 feet; thence Northwesterly along a curve concave Southwesterly tangent to said last described line and having a radius of 1,746 feet, an arc distance of 66.96 feet to a point on the Southwesterly line of Lot 3, of said Tract 5617, said point being distant along the Southwesterly lines of Lots 1, 2 and 3, Tract No. 5617, a distance of 115.28 feet from said most Southerly corner of Lot 1, thence Southeasterly along the said Southwesterly line of said Lots 3, 2 and 1, a distance of 115.28 feet to the point of beginning.

Parcel 8:

Those portions of Lots 6, 7 and 8 of Tract No. 2792, in the City of Burbank, County of Los Angeles, State of California, as per map recorded in Book 28, Page 15 of Maps, in the office of the County Recorder of said County, lying Southeasterly of a line parallel with and distant Northwesterly 85 feet at right angles from the Southeasterly line of said Lots 6, 7 and 8.

EXCEPT from said Lots 7 and 8 those portions lying Southwesterly of the Northeasterly line of the land conveyed to the Southern Pacific Railway Company, by deed recorded in Book 4681, Page 111, Official Records, in the office of the County Recorder of said County.

ALSO EXCEPT from said Lot 6 that portion thereof, described as follows:

Beginning at the intersection of the Easterly line of said Lot 6 with a line parallel with and distant 85 feet Northwesterly measured at right angles from the Southeasterly line of said lot; thence Southwesterly along said parallel line a distance of 6.50 feet to a point on a curve concave Southwesterly and having a radius of 1,746 feet; thence Southeasterly along said curve, through an angle of 0° 22' 51" an arc distance of 11.61 feet to a point on said Easterly line of said lot, distant thereon 12.98 feet Southerly from said point of beginning; thence Northerly along said Easterly line a distance of 12.98 feet to the point of beginning.

Parcel 9:

Those portions of Lots 6, 7 and 8 of Tract No. 2792, in the City of Burbank, County of Los Angeles, State of California, as per map recorded in Book 28, Page 15 of Maps, in the office of

the County Recorder of said County, lying Northwesterly of a line parallel with and distant Northwesterly 85 feet at right angles from the Southeasterly line of said Lots 6, 7 and 8.

EXCEPT from Lots 7 and 8, those portions lying Westerly of the Easterly lines of Parcels 1 and 2 as described in the deed to Southern Pacific Railroad Company, recorded in Book 4681, Page 111, Official Records.

ALSO EXCEPT that portion of said Lot 8, which lies Westerly of the Easterly line of the land condemned for flood control purposes by Final Decree of Condemnation, entered in Case No. 474741, Los Angeles County Superior Court, a certified copy of said Decree being recorded in Book 19995, Page 375, Official Records.

ALSO EXCEPT for said land that portion thereof described as follows:

Those portions of Lots 6, 7 and 8 of Tract No. 2792, described as follows:

Beginning at the most Northerly corner of said Lot 6, thence South 68° 02' 26" West along the Northwesterly lines of said Lots 6, 7 and 8 to a point distant thereon 19.81 feet Southwesterly from the most Northerly corner of said Lot 8; thence South 60° 27' 30" East, a distance of 179.12 feet; thence Southeasterly along a curve concave Southwesterly tangent to the last described line and having a radius of 1,746 feet, an arc distance of 254.95 feet to a point on a line parallel with and distant 85 feet Northwesterly, measured at right angles from the Southeasterly line of said Lot 6; thence North 41° 16' 51" East, along said last mentioned parallel line, a distance of 6.50 feet to the Northeasterly line of Lot 6; thence Northwesterly along said Northeasterly line of Lot 6; a distance of 347.67 feet to the point of beginning.

ALSO EXCEPT from the remainder of said Lots 7 and 8, those portions thereof lying Northwesterly of a line parallel with and distant Southeasterly 60 feet, measured at right angles from, the Northwesterly lines of said Lots 7 and 8.

Parcel 10:

That portion of Lot 5 of Tract No. 2792, in the City of Burbank, County of Los Angeles, State of California, as per map recorded in Book 28, Page 15 of Maps, in the office of the County Recorder of said County, described as follows.

Beginning at the most Southerly corner of said lot; thence along the Southeasterly line of said Lot 5, North 41° 15' 50" East 40.10 feet to a non-tangent curve concave Southwesterly and having a radius of 1,746.00 feet; thence from a tangent bearing North 49° 20' 21" West, Northwesterly along said curve through an angle of 2° 27' 19", an arc distance of 74.82 feet to a point in the Westerly line of said Lot 5, distant along said Westerly line, 83.75 feet from said most Southerly corner; thence Southerly along said Westerly line 83.75 feet to the point of beginning.

EXCEPT therefrom all minerals, oils, gases and other hydrocarbons by whatsoever name known that may be within or under the parcel of land hereinabove described without, however the right to drill, dig or mine through the surface thereof as disclosed in deed from the State of California recorded June 9, 1965 as Instrument No. 4355 of Official Records.

Parcel 11:

That portion of Bonnywood Place, lying Northeasterly of Lot 15 and within the Northeasterly prolongations of the Northwesterly and Southeasterly lines of said Lot 15 of Tract No. 5617, in

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the City of Burbank, County of Los Angeles, State of California, as per map recorded in Book 85, Page 77 of Maps, in the office of the County Recorder of said County, as vacated by the City Council of said City in Resolution No. 6190 recorded May 19, 1950 in Book 33185, Page 116 of Official Records of said County, described as follows:

Beginning at the most Northerly corner of said Lot 15 in said Tract No. 5617; thence Southeasterly along the Northeasterly lines of Lots 15, 14 and 13 of said Tract, to a point in the Northeasterly line of said Lot 13, distant 1.44 feet Southeasterly from the most Northerly corner of said Lot 13; said point being on curve in the Southwesterly line of the land conveyed to the State of California for highway purposes October 19, 1945 by Superior Court Case No. 506667 as shown on Clerk's Field Map No. 2295 in the office of the County Surveyor of said County, said curve being concave Southwesterly, having a radius of 1,746.00 feet; thence Northwesterly along said Southwesterly line, through an angle of 4° 13' 59" an arc distance of 129.00 feet to a point in the Northeasterly prolongation of the Northwesterly line of said Lot 15, distant Northeasterly thereon 3.50 feet from the most Northerly corner thereof; thence Southwesterly along said prolongation 3.50 feet to the point of beginning.

ASSESSOR'S PARCEL NUMBER 2449-037-011

EXHIBIT B

BENEFITED PROPERTY

1. 14923 E. Desman Road
La Mirada, CA
Los Angeles Service School
APN: 7001-010-049

2. 531 Quality Circle
Woodland Hills, CA
APN:

3. 8955 Olympic Blvd.
Beverly Hills, CA
APN: 000-4333-004-017
018
019

4. 9500 Lakewood Blvd.
Downey, CA
APN: 6363-001-021
028
029
052
6390-001-014

5. 9515 Lakewood Blvd.
Downey, CA
APN: 6363-003-012
019
6363-002-021

6. 2539 E. Garvey
West Covina, CA
APN: 000-8453-015-020

7. 21701 Ventura Blvd.
Woodland Hills, CA
APN: 2168-027-030



LEIGHTON AND ASSOCIATES, INC.

Geotechnical and Environmental Engineering Consultants

CONFIDENTIAL

HEALTH RISK ASSESSMENT
AND ENVIRONMENTAL FATE ANALYSIS OF
VOLATILE ORGANIC CONTAMINATION
IN SOIL, SOIL VAPOR, AND GROUND WATER
AT THE HYRAIL SITE
LOCATED AT 415 NORTH FRONT STREET
BURBANK, CALIFORNIA

May 3, 1993

Project No. 02920879-01

Prepared for:

City of Burbank
Redevelopment Agency
275 East Olive Avenue
Burbank, California 91502



LEIGHTON AND ASSOCIATES, INC.

Geotechnical and Environmental Engineering Consultants

May 3, 1993

Project No. 02920879-01

To: City of Burbank
Redevelopment Agency
275 East Olive Avenue
Burbank, California 91502

Attention: Mr Jim O'Neil

Subject: Executive Summary and Recommendations of Health Risk Assessment and Environmental Fate Analysis of Volatile Organic Contamination in Soil, Soil Vapor, and Ground Water at the Hyrail Site, Located at 415 North Front Street, Burbank, California

Per your request and authorization, Leighton and Associates, Inc. (Leighton) has prepared this health risk assessment and environmental fate analysis for the subject site. The health risk assessment was performed to determine whether detected contaminants would pose a significant risk to the health of potential residents at the site, as a worst case scenario, and to the health of workers and visitors to the site, for its planned use as a paved parking area. The environmental fate analysis was performed to determine the impact of the contaminated ground water beneath the site on the soil and soil vapor concentrations, as well as the impact of the soil and soil vapor contaminants on the ground water.

The following conclusions and recommendations are presented:

- Thirteen Volatile Organic Contaminants were detected in the soil and soil vapor, at the Hyrail site, 415 North Front Street, Burbank. Four Volatile Organic Contaminants were detected in the ground water (at approximately 110 feet below grade) in concentrations exceeding their respective Maximum Contaminant Levels.
- Soil and soil vapor contamination was found at the site in two major areas: in the region of the abandoned drum storage area (close to Monitoring Well MW-3), and near the location of the former chemical storage area (close to Monitoring Well MW-6). High levels of Trichloroethene (TCE) contamination in the soil were also detected in the location of Monitoring Well MW-2, which showed high levels of TCE contamination in the soil and ground water.
- Using the California Department of Health Services method of risk assessment, calculations indicated that there was no significant risk to human health in outside air at the subject site, but that there could be a significant risk to health inside a potential residence (worst case scenario) in the region of the abandoned drum storage area at the site, due to the presence in the soil of the carcinogen

Tetrachloroethene (PCE), and the hepatotoxin (liver toxin) 1,1,1-Trichloroethane (1,1,1-TCA).

- Using the U.S. Environmental Protection Agency (EPA) method of risk assessment, the Hazard Indices for potential residents at the site (worst case scenario) from the chronic inhalation of outdoor vapors and particulates, and indoor vapors, as well as from the chronic ingestion of contaminated soil, were all less than unity. This indicates that there would be no significant health hazard to residents at the site due to the noncarcinogenic effects of contaminants detected in site soil and soil vapor.
- Using the U.S. EPA method of risk assessment, the Carcinogenic Risk to potential residents at the site (worst case scenario) from the chronic inhalation of indoor vapors was found to be greater than 1 in 1,000,000 (a significant risk to human health), in the region of the abandoned drum storage area, due to the presence of the carcinogens 1,1-Dichloroethene in the soil vapor, and Tetrachloroethene in the soil.
- Using the U.S. Environmental Protection Agency (EPA) method of risk assessment, the Hazard Indices for workers and visitors to the site from the subchronic inhalation of outdoor vapors and particulates, as well as from the subchronic ingestion of contaminated soil, were all less than unity. This indicates that there would be no significant health hazard to workers and visitors to the site due to the noncarcinogenic effects of contaminants detected in site soil and soil vapor.
- Using the U.S. EPA method of risk assessment, the Carcinogenic Risk to workers and visitors to the site from the subchronic inhalation of outdoor vapors and particulates, as well as from the subchronic ingestion of site soil, was found to be less than 1 in 1,000,000 (no significant risk to human health), due to the presence of the contaminants detected in site soil and soil vapor.
- Using the U.S. EPA method of risk assessment, for outdoor air exposure, preliminary remediation goals for all contaminants detected in soil and soil vapor were satisfied without remediation.
- Using the U.S. EPA method of risk assessment, for indoor air exposure at a potential residence (worst case scenario), preliminary remediation goals (PRGs) were determined for the carcinogens 1,1-Dichloroethene (1,1-DCE) in soil vapor (2.45×10^{-2} mg/L), and PCE in soil (3.66 mg/kg).
- For the worst case scenario, remediation is likely to be required by regulating agencies; for the planned development, remediation may not be required.
- The environmental fate analysis showed that TCE in the ground water could impact the soil and soil vapor beneath the site, by ground water table fluctuations and vapor partitioning, and is suspected to be responsible for the high concentrations of TCE detected in soil in Monitoring Well MW-2.



- Based on the site data provided, the environmental fate analysis did not show that soil and soil vapor contaminants at the site had likely impacted the ground water table.
- The analyses performed represent Leighton's professional opinion concerning the risk of organic contaminant exposure at the site through volatilization from soil and soil vapor and the subsequent inhalation of contaminated air, as well as from the ingestion of contaminated soil.

This opportunity to be of service is sincerely appreciated. If you have any questions regarding this report, please contact Dr. Hedy Abedi in our Irvine office at (714) 250-1421.

Respectfully submitted,

LEIGHTON AND ASSOCIATES, INC.

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1.0 INTRODUCTION

Soil and ground water at the subject site have been found to contain levels of volatile organic contaminants. This report addresses potential human health risks considering two scenarios: 1) the subject site is developed into a residential area and the residents are exposed to the chemicals of concern; and 2) the site is developed into a paved parking area where workers and visitors could potentially be exposed. The report also discusses the environmental fate of contaminants in the ground water, soil, and the soil vapor. The site is planned for development into a paved parking area.

1.1 Site History

The site, approximately 2,150 feet by 50 feet, is situated at the rear (west) of the Zero Corporation building between the Magnolia and Burbank Boulevard over-crossings, in the City of Burbank, California (Figure 1). A County of Los Angeles flood control channel, a concrete-lined storm water drainage channel that is a tributary of the Los Angeles river, runs along the northwestern corner boundary of the property. The Southern Pacific Transportation Company tracks are located on the southwestern side of the property. A single, vacant commercial structure (Bethanis Home Appliances) is located near the southern site boundary and is bisected by the western property line. Most of the property had been used in recent years as a parking area for the Zero Corporation, a manufacturer of sheet metal enclosures for electronic equipment. Portions of the Hyrail property were also used as storage areas for chemicals used at the Zero Corporation.

Operations that took place at the site from 1961 through December, 1991, included aluminum case drawing and washing; chromate deoxidizing; steel phosphate coating and chromium sealing; painting; aluminum machining; etching, deoxidizing and cleaning; aluminum vapor degreasing, and metal grinding.



2.0 SITE INVESTIGATION

2.1 Site Reconnaissance

On November 11, 1991, a visual site reconnaissance was performed by Leighton (Leighton, 1991) that included the northern and western sides of the Zero Corporation building. Plate 1 shows the locations and approximate dimensions of the observed features.

Seven (7) relatively large areas of freshly patched asphalt were observed on the west side of the Zero Corporation building, north of the abandoned Cypress Street crossing. These areas appeared to be associated with the empty drum storage areas, loading docks, former underground storage tanks (new and used hydraulic oil), and areas where equipment (e.g., compressors) had been used (see Figure 2, abandoned drum storage area). At one location, three signs on posts were seen leaning against a chain-link fence. These signs identified caustic soda, hydrochloric acid and nitric acid.

At the far north end of the Zero Corporation building, adjacent to the flood control channel, two drum storage areas with shed roofs were observed. The northernmost area was identified as being a storage location for caustic soda, the other area was identified as a storage location for drawing wax. Between the covered storage areas was a tank for recycled oil, a hydraulic oil (mineral oil) tank, two abandoned tanks (approximately 500 gallons) labeled 1,1,1-Trichloroethane (1,1,1-TCA)-inhibitor, and miscellaneous 55-gallon drums (see Figure 2, former chemical storage area).

At the southern end of the site, south of a vacant commercial structure, there were numerous abandoned television sets.

2.2 Soil and Ground Water Sampling History

In January 1991, Targhee, Inc. (Targhee, 1991) performed a site investigation on the Zero Corporation and Hyrail properties, including seven soil borings on the Hyrail site to depths of between 1 and 20 feet below grade. A summary of the chemical results from this investigation is presented in Appendix D, Table D-1.

In November, 1991, two soil borings were drilled and two soil gas surveys were performed at the Hyrail site (Leighton, 1991) (see Plate 1). Soil borings were drilled in two areas of the site thought to be contaminated. Boring B-25 was drilled in the northern part of the site close to the location of the former chemical storage area. Boring B-25 was drilled to a depth of 113 feet with ground water occurring at approximately 107 feet below grade.

Boring B-26 was drilled near the center of the site, just north of the vacated Cypress Street crossing, near an abandoned drum storage area. Boring B-26 was drilled to a total depth of 113 feet with ground water occurring at about 112 feet below ground surface (bgs).



In July 1992, Hydro Geo Chem Inc. (HGC) conducted soil sampling on the Hyrail property in the course of drilling four ground water monitoring wells on the site (Hydro Geo Chem, 1992c). Soil samples were collected and analyzed at 5-foot intervals to 120 feet below grade in Monitoring Wells MW-2, MW-3, MW-5, and MW-6. A summary of the chemical results from this soil sampling is presented in Appendix D, Table D-1, and monitoring well locations are shown in Figure 2.

In November 1991, Target Environmental Services, Inc. (Target) was contracted to identify whether soil gas contamination existed on the property (Leighton, 1991). Twenty-five (25) soil gas survey sample points were located at approximately equal increments along the length of the subject site. Soil gas samples were collected from 10-foot and 24-foot depths from each sample site where possible. Five (5) additional soil gas survey points and two soil boring locations were determined from the sampling. A summary of the chemical results from Target's soil gas sampling is presented in Appendix D, Table D-2.

Later in November 1991, Aero Vironment, Inc. (Aero) was contracted to access the source of soil gas contamination on the property (Leighton, 1991). Fifteen (15) soil gas samples were obtained, seven from a depth of 24 feet below grade (bg), and eight from a depth of 10 feet bg. A summary of the chemical results from Aero's soil gas sampling is presented in Appendix D, Table D-2.

In September 1992, HGC conducted soil gas sampling on the Hyrail property in Monitoring Wells MW-3 and MW-5, at various depths to 75 feet below grade (Hydro Geo Chem, 1992c). Results are presented in Appendix D, Table D-2.

Leighton also sampled the ground water in Borings B-25 and B-26 in November, 1991 (Leighton, 1991). A summary of the chemical results from the ground water sampling is presented in Appendix D, Table D-3.

Between July and September, 1992, HGC installed four ground water monitoring wells (MW-2, MW-3, MW-5 and MW-6) at the Hyrail site. A summary of the chemical results from ground water sampling of these monitoring wells in August 1992, is presented in Appendix D, Table D-3, and monitoring well locations are shown in Figure 2.



3.0 CHEMICAL EVALUATION

3.1 Contaminants Found Onsite

Soil samples from the Targhee, Inc., investigation in January, 1991 (Targhee, 1991) were chemically analyzed by EPA Method 8010/8020 for Halogenated Volatile Organics and Aromatic Volatile Organics, and by EPA Method 418.1 for Total Recoverable Petroleum Hydrocarbons (TRPH). Results indicated the presence of Volatile Organic Contaminants (VOCs) including 1,1-Dichloroethane (1,1-DCA), 1,1-Dichloroethene (1,1,-DCE), 1,1,1-Trichloroethane (1,1,1-TCA), Trichloroethene (TCE), and Tetrachloroethene (PCE) as well as the hydrocarbon Toluene. The region of highest contamination was found to be near the former chemical storage area on the west side of the Zero Corporation buildings, north of the abandoned Cypress Street crossing.

Samples from the two soil borings drilled at the site by Leighton in November, 1991, were analyzed by EPA Method 8015 (modified for gasoline) for Total Volatile Petroleum Hydrocarbons, by EPA Method 8020 for Benzene, Toluene, Ethylbenzene and Total Xylenes, as well as by EPA Method 8240 for Volatile Organics. The VOCs 1,1,1-TCA, 1,1-DCE and PCE were detected in the soil samples. Soil samples collected by HGC in July 1992 from Monitoring Wells MW-2, MW-3, MW-5, and MW-6, were analyzed by EPA Methods 418.1 and 8010. All of the above named contaminants were detected in the site soil from this investigation.

From Target's soil gas survey conducted in November, 1991 (Leighton, 1991), and using EPA Method 601 (modified) for chlorinated solvents, the VOCs 1,1-DCE, Chloroform, 1,1,1-TCA, TCE, and PCE were detected in the soil gas samples. From Aero's soil gas survey, also conducted in November, 1991, the VOCs 1,1,1-TCA, TCE, PCE, and 1,2-Dichloroethane (1,2-DCA) were detected in the soil gas samples. From HGC's soil gas survey of Monitoring Wells MW-3 and MW-5, in September 1992, the above named contaminants were also detected.

From the site investigations, soil and soil vapor contamination was found at the site in two major areas: in the region of the abandoned drum storage area (close to Monitoring Well MW-3), and near the location of the former chemical storage area (close to Monitoring Well MW-6). The highest concentrations of 1,1-DCE, 1,2-Dichloropropane, Methylene Chloride, PCE, and 1,1,1-TCA in the soil and/or soil vapor were found in the region of the abandoned drum storage area. The highest concentrations of Chloroform, Dibromochloromethane, 1,1-DCA, 1,2-DCA, 1,1,2-TCA, Toluene and Dichlorodifluoromethane in the soil and/or soil vapor were found in the region of the former chemical storage area. High levels of TCE contamination in the soil were detected in the location of Monitoring Well MW-2. The three areas of contamination at the site are shown in Figure 2.

From Leighton's November 1991 investigation, ground water samples from soil Borings B-25 and B-26 were analyzed using EPA Method 8015 (modified for gasoline) for Total Volatile Petroleum Hydrocarbons (TVPH); EPA Method 8020 for Benzene, Toluene Ethylbenzene, and Total Xylenes; and EPA Method 8240 for Volatile Organics. The major contaminants



detected were 1,1-DCE, cis-1,2-Dichloroethene (cis-1,2-DCE), TCE, and PCE. In September 1992, HGC analyzed ground water samples from Monitoring Wells MW-1 to MW-6 on the Hyrail and Zero Corporation properties by EPA Method 8260 for Volatile Organics. Only TCE and Chloroform were detected above their detection limits.

3.2 Chemicals of Concern

Thirteen VOCs were detected in the soil and soil vapor samples. All were designated chemicals of concern because they were chemicals for which one or some of the following had been determined: California Environmental Protection Agency (Cal. EPA) Applied Action Levels; California Code of Regulations Title 22 Sections 12703, 12705, and 12709, no significant risk levels; and U.S. EPA toxicity values. The contaminants are shown in Table 1, along with their concentrations in soil and/or soil vapor, that would produce the highest emission rates.

Four VOCs were detected in the ground water (at approximately 110 feet below grade) in concentrations above their respective California Maximum Contaminant Levels (MCLs). The highest concentrations detected were: 1,1-DCE (9 µg/L), cis-1,2-DCE (37 µg/L), PCE (7 µg/L), and TCE (6,200 µg/L).

3.3 Regulatory Criteria

Site assessment and mitigation of contaminated soil is under jurisdiction of the California Environmental Protection Agency, Department of Toxic Substances Control (formerly the Department of Health Services). One of the tools this agency uses to analyze site assessment and mitigation is The California Site Mitigation Decision Tree Manual (Manual). The Manual sets forth protocols for determining risks of contaminants through different exposure routes. The Manual also sets forth Applied Action Levels (AALs) in air and water media for known contaminants. AALs are criteria that delineate the concentration of a substance in a medium which when exceeded is determined to present a significant risk of adverse impact to a biological receptor. Three tests have been formulated to determine whether there is a significant risk for single chemical/single medium exposure, single chemical/multiple media exposure, and multiple chemical/multiple media exposure.

The U.S. EPA has also issued procedures to be used in assessing health risk (U.S. EPA, 1989, and U.S. EPA, 1986). The baseline risk assessment (U.S. EPA, 1989) is an analysis of the potential adverse health effects caused by hazardous substance releases from a site, in the absence of actions to control or mitigate the releases. There are four steps in the U.S. EPA baseline risk assessment process:

- Data collection and analysis;
- Exposure assessment;
- Toxicity assessment; and
- Risk characterization.



Data collection and analysis involves gathering and analyzing site data to identify potential chemicals of concern. Exposure assessment involves the estimation of the type and magnitude of exposures to chemicals of potential concern at the site, including identifying potential exposure pathways and estimating contaminant intakes. Toxicity assessment involves evaluating the potential for chemicals to cause adverse health effects. This information is available from EPA's Integrated Risk Information System (IRIS) (U.S. EPA, 1992) and Health Effects Assessment Summary Tables (U.S. EPA, 1990). Risk characterization involves estimating cancer risks and non-cancer hazard indices as well as evaluating uncertainty. References are presented in Appendix A.



4.0 DEVELOPMENT OF SOIL CLEANUP LEVELS

4.1 Overview

The U.S. EPA has recently issued procedures for developing risk-based preliminary remediation goals (U.S. EPA, 1991) together with standardized default exposure parameters for use when site conditions are unknown. Risk-based equations have been derived by the U.S. EPA to reflect the potential risk from exposure to a contaminant, given a specific pathway, medium, and land-use combination. By setting the total risk for carcinogenic effects for each contaminant at a target level of 1 in 1,000,000, the concentration term (i.e., the risk-based preliminary remediation goal) can be calculated. As well as this, the total risk for non-carcinogenic effects for each contaminant is set at a Hazard Index level of 1.0 in each medium.

4.2 Exposure Scenarios and Pathways

This report provides an assessment of the exposure of organic vapors to potential residents (if the site were to be developed to a residential area) as a worst case scenario, as well as to workers and visitors to the site at 415 North Front Street, Burbank, California (see Appendix B). Four contaminants found in the soil and soil vapor (Chloroform, Trichloroethene, Toluene and 1,1,1-Trichloroethane) have AALs. Six contaminants (Dibromochloromethane, 1,1-Dichloroethane, 1,2-Dichloroethane, Methylene Chloride, Tetrachloroethene, and 1,1,2-Trichloroethane) have CCR Title 22 No Significant Risk levels. An assessment was performed based on the concentrations of the contaminants found in the soil and soil vapor that would produce the highest emission rates, using data collected during subsurface investigations in 1991 and 1992. The calculations (Appendix B) estimate the emission rates of the contaminants from the soil and soil vapor, and the resultant concentrations of these contaminants in outdoor air, and inside a residence at 415 North Front Street, as a worst case scenario. The calculated air concentrations are then compared to criteria set forth by the California EPA to estimate the attendant health risks.

Exposure assessment has also been performed in accordance with the U.S. EPA risk assessment procedures as set forth in the U.S. EPA (1989). When any chemical enters the environment, it becomes distributed in soil, water, air and biota. The exact distribution into these media depends on each compound's physical and chemical properties. Once a chemical is in the soil, it can reach humans in five ways by:

1. Mobilizing into water and then being ingested or absorbed;
2. Passing into the food chain and then being ingested;
3. Volatilizing into the air and then being inhaled;
4. Mobilizing into air as dust through wind action, and then being inhaled; or



5. Remaining in the soil and then being ingested or absorbed.

These pathways to man are shown schematically in Figure 3.

Path 1: Ground water levels were observed to vary between 106 and 116 feet. Because ground water is not a source of drinking water, and is not foreseen as becoming a source of drinking water, this pathway will not be considered in the analysis.

Path 2: Exposure to contaminants through the food chain is not a potential exposure pathway to a human receptor because the land will not be used for agricultural purposes. Because of this, exposure to contaminants through the food chain has not been considered in the analysis.

Path 3: Volatilization of contaminants from the soil and soil vapor at the site would be a potential exposure pathway to man in outdoor air for the planned development and in indoor air as a worst case. Analyses for inhalation of site air contaminated with volatile organic compounds (VOCs) are shown in Appendix B.

Path 4: In the event that contaminated soil were to remain on the ground surface, analyses for inhalation of contaminated soil suspended in air as dust are shown in Appendix B.

Path 5: In the event that contaminated soil were to remain on the ground surface, analyses for the direct ingestion of contaminated soil are shown in Appendix B. Skin absorption of contaminated soil is assumed insignificant compared with soil ingestion.

4.3 Exposure Assumptions and Assessment Methodology

For the three exposure pathways considered, the concentrations of contaminants detected in site soil and soil vapor that would produce the highest emission rates were used in the analyses. U.S. EPA Hazard Indices and Carcinogenic Risks were calculated for exposure pathways 3, 4 and 5. The Hazard Index has been developed to assess the overall potential for noncarcinogenic effects from exposure to multiple contaminants. It is defined as the sum of more than one hazard quotient for multiple substances and/or multiple exposure pathways. It is calculated for chronic (30-year) exposures and subchronic (periodic) exposures at the site. The hazard quotient is defined as the ratio of a single substance exposure level over a specified time period to a reference dose for that substance derived from a similar exposure period. This index is not a mathematical prediction of incidence or severity of effects. It is a numerical index used to identify potential exposure problems. U.S. EPA Chronic Reference Dose values are provided in Appendix E, Table E-1, Subchronic Reference Dose values are provided in Table E-2.

For carcinogens, the U.S. EPA estimates the risks as the incremental probability of an individual developing cancer over a lifetime as a result of exposure to the potential carcinogen. The EPA has also developed Slope Factors that convert estimated daily intakes, averaged over a lifetime (70 years) of exposure, directly to incremental risk of an individual



developing cancer. This carcinogenic risk estimate is generally an upper-bound estimate, so that the true risk is likely to be less than that predicted. U.S. EPA Cancer Potency Factors are provided in Appendix E, Table E-3.

4.4 Results of Risk Calculations

Tests performed for single chemical/air exposure and multiple chemical/air exposure to evaluate the health risks to humans of volatile chemicals of potential concern diffusing from site soil and soil vapor into outdoor air showed that there would be no risk of an adverse health impact from individual chemicals (Table B-2 and B-4) or groups of chemicals (Table B-5). The same tests performed for the contaminants diffusing from site soil and soil vapor into the indoor air of a potential residence (worst case scenario), located in the region of the abandoned used drum storage area, showed that there may be a potential risk of an adverse impact on humans due to the presence in the soil of the carcinogen Tetrachloroethene, and the hepatotoxin (liver toxin) 1,1,1-Trichloroethane (see Appendix B, Table B-2). The assessment was performed using data for worst case conditions of low wind speed, slow dispersion of the plume, minimum exchange rate of air inside a building, minimum ceiling height under the Building Code, and highest concentrations of contaminants detected. The potential risk for an adverse effect from Tetrachloroethene and 1,1,1-Trichloroethane also means there is a potential risk from the carcinogenic and hepatotoxin (liver toxin) groups (see Table B-5).

Using the standard parameter values shown in Table 2, the exposure routes of chronic inhalation of outdoor vapors and particulates and indoor vapors, as well as chronic ingestion of contaminated soil (residential land use) were analyzed as a worst case scenario. Hazard Indices averaged over a period of 30 years (U.S. EPA, 1989) for potential residents at the site (worst case scenario) showed that there would be no significant health hazard due to the noncarcinogenic effects of contaminants detected in site soil and soil vapor (see Appendix B, Tables B-7 to B-11).

The exposure routes of chronic inhalation of outdoor vapors and particulates and indoor vapors, as well as chronic ingestion of contaminated soil, were also analyzed in order to determine the lifetime carcinogenic risk as a result of exposure to carcinogens. The Carcinogenic Risk (U.S. EPA, 1989) calculated for infants, and children to 6 years of age, as well as for older people were averaged over a lifetime of 70 years. Results are shown in Appendix B, Tables B-12 to B-16. It can be seen from these tables that there may be a significant carcinogenic risk to health from the chronic inhalation of indoor vapors (Table B-14), in the region of the abandoned drum storage area, due to the presence of 1,1-DCE in the soil vapor, and PCE in the soil, and consequently when residential land use is considered (Table B-16).

Using the standard parameter values shown in Table 2, the exposure routes of subchronic (workers and visitors to the site) inhalation of outdoor vapors and particulates, as well as the subchronic ingestion of contaminated soil were analyzed as the proposed commercial land use scenario. Hazard Indices averaged over a period of 30 years (U.S. EPA, 1991) at the site



showed that there would be no health hazard due to the noncarcinogenic effects of contaminants detected in site soil and soil vapor (see Appendix B, Tables B-18 to B-21).

The exposure routes of the subchronic inhalation of outdoor vapors and particulates, as well as the subchronic ingestion of contaminated soil (commercial land use), were also analyzed in order to determine the lifetime Carcinogenic Risk as a result of exposure to carcinogens. The Carcinogenic Risk (U.S. EPA, 1989) calculated for infants, and children to 6 years of age, as well as for older people were averaged over a lifetime of 70 years. Results are shown in Appendix B, Tables B-22 to B-25. It can be seen from these tables that there would be no significant subchronic Carcinogenic Risk to health due to the presence of the contaminants detected in site soil and soil vapor.

4.5 Calculation of Soil Cleanup Levels

Using the data available and the U.S. EPA risk assessment methodology, all calculated Hazard Indices for chronic and subchronic exposures were less than 1.0 (see Table 3), thereby satisfying preliminary remediation goals for noncarcinogenic health effects, without remediation of detected contaminants in site soil and soil vapor. Detailed results are shown in Appendix B, Tables B-7 to B-11 and B-18 to B-21.

For the worst case scenario of chronic exposures to carcinogens (residential land use), the risk level of 1 in 1,000,000 was exceeded for indoor air due to 1,1-DCE in soil vapor and PCE in soil (see Table 4). Detailed calculations to determine Preliminary Remediation Goals for these contaminants (2.45×10^{-2} mg/L for 1,1-DCE, and 3.66 mg/kg for PCE) are presented in Appendix B, Section 7.3.

For the planned scenario of subchronic exposures to carcinogens (commercial land use), the risk level of 1 in 1,000,000 is not exceeded (see Table 4). This indicates that the preliminary remediation goals for carcinogenic effects from use of the site as a paved parking area, have been satisfied without remediation of contaminants in site soil and soil vapor.



5.0 ENVIRONMENTAL FATE ANALYSIS

An environmental fate analysis was performed in order to determine the impact of the ground water contamination plume beneath the Hyrail and Zero Corporation properties, on the soil and soil vapor concentrations at the Hyrail site. Contaminated ground water is located at between 106 and 116 feet below grade at the Hyrail site. The impact of soil and soil vapor contaminants on the ground water table was also examined.

Four contaminants: 1,1-Dichloroethene, cis-1,2-Dichloroethene, Tetrachloroethene, and Trichloroethene were detected in ground water exceeding their California Maximum Contaminant Levels (MCLs). An estimate was made of the soil concentration of these contaminants in contact and in equilibrium with the ground water concentration of the same contaminants. This analysis showed that except for TCE, the resulting soil concentrations were insignificant. The equilibrium soil concentration for TCE indicated that this contaminant in the ground water could impact the soil and soil vapor beneath the site, and could possibly be responsible for the high concentrations of Trichloroethene detected in soil in Monitoring Well MW-2.

The soil vapor concentrations for the four ground water contaminants were calculated using Henry's Law. The calculations showed that only the TCE soil vapor concentration was significant. The equilibrium soil vapor concentration for TCE indicated that this contaminant in the ground water could impact the soil vapor beneath the site by upward diffusion from the water table. However, no soil gas samples were collected from depths approaching the ground water table during site investigations.

With respect to the impact of soil and soil vapor contaminants on the ground water, the only significant contamination detected in the soil at ground water depth, was TCE in MW-2 at depths of between 100 and 120 feet below grade. The high concentrations of TCE in the soil in the vicinity of MW-2 could possibly have originated from the ground water. Soil vapor data was found to be lacking at ground water depth (see Appendix D, Table D-2). As a result, the impact of the soil contaminants on the ground water could not be adequately evaluated.

The effect of biodegradation of chlorinated contaminants in the ground water was not observed.



6.0 CONCLUSIONS

Based on the data obtained by Leighton and other consultants from subsurface investigations conducted at the subject site and on the adjacent Zero Corporation property in 1991 and 1992, the following conclusions are presented:

- Thirteen Volatile Organic Contaminants were detected in the soil and soil vapor, at the Hyrail site, 415 North Front Street, Burbank. Four Volatile Organic Contaminants were detected in the ground water (at approximately 110 feet below grade) in concentrations exceeding their respective Maximum Contaminant Levels.
- Soil and soil vapor contamination was found at the site in two major areas: in the region of the abandoned drum storage area (close to Monitoring Well MW-3), and near the location of the former chemical storage area (close to Monitoring Well MW-6). High levels of TCE contamination in the soil were also detected in the location of Monitoring Well MW-2, which showed high levels of TCE contamination in the ground water.
- Using the California Department of Health Services method of risk assessment, calculations indicated that there was no significant risk to human health in outside air at the subject site, but that there could be a significant risk to health inside a potential residence (worst case scenario) in the region of the abandoned drum storage area at the site, due to the presence in the soil of the carcinogen PCE, and the hepatotoxin (liver toxin) 1,1,1-TCA.
- Using the U.S. Environmental Protection Agency (EPA) method of risk assessment, the Hazard Indices for potential residents at the site (worst case scenario) from the chronic inhalation of outdoor vapors and particulates, and indoor vapors, as well as from the chronic ingestion of contaminated soil, were all less than unity. This indicates that there would be no significant health hazard to residents at the site due to the noncarcinogenic effects of contaminants detected in site soil and soil vapor.
- Using the U.S. EPA method of risk assessment, the Carcinogenic Risk to potential residents at the site (worst case scenario) from the chronic inhalation of indoor vapors was found to be greater than 1 in 1,000,000 (a significant risk to human health), in the region of the abandoned drum storage area, due to the presence of the carcinogens 1,1-Dichloroethene in the soil vapor, and Tetrachloroethene in the soil.
- Using the U.S. Environmental Protection Agency (EPA) method of risk assessment, the Hazard Indices for workers and visitors to the site from the subchronic inhalation of outdoor vapors and particulates, as well as from the subchronic ingestion of contaminated soil, were all less than unity. This indicates that there would be no significant health hazard to workers and visitors to the site due to the noncarcinogenic effects of contaminants detected in site soil and soil vapor.



- Using the U.S. EPA method of risk assessment, the Carcinogenic Risk to workers and visitors to the site from the subchronic inhalation of outdoor vapors and particulates, as well as from the subchronic ingestion of site soil, was found to be less than 1 in 1,000,000 (no significant risk to human health), due to the presence of the contaminants detected in site soil and soil vapor.
- Using the U.S. EPA method of risk assessment, for outdoor air exposure, preliminary remediation goals for all contaminants detected in soil and soil vapor were satisfied without remediation.
- Using the U.S. EPA method of risk assessment, for indoor air exposure at a potential residence (worst case scenario), preliminary remediation goals were determined for the carcinogens 1,1-DCE (2.45×10^{-2} mg/L) in soil vapor, and PCE in soil (3.66 mg/kg).
- For the worst case scenario, remediation is likely to be required by regulating agencies; for the planned development, remediation may not be required.
- The environmental fate analysis showed that TCE in the ground water could impact the soil and soil vapor beneath the site by ground water table fluctuations and vapor partitioning, and is suspected to be responsible for the high concentrations of TCE detected in soil in Monitoring Well MW-2.
- Based on available site data, the environmental fate analysis did not show that soil and soil vapor contaminants at the site had likely impacted the ground water table.
- The analyses performed represent Leighton's professional opinion concerning the risk of organic contaminant exposure at the site through volatilization from soil and soil vapor and the subsequent inhalation of contaminated air, as well as from the ingestion of contaminated soil.



TABLE 1

Summary of Chemicals of Potential Concern

Chemical of Potential Concern		Maximum Concentration in Soil (mg/kg)	Maximum Concentration in Soil Vapor (mg/L)	Formula	Formula Weight M_1 (g/g mol)
Carcinogens	Chloroform	2.00×10^{-3}	3.40×10^{-4}	CHCl_3	119.38
	Dibromochloromethane	2.80×10^{-3}		CHBr_2Cl	208.28
	1,1-Dichloroethane	8.00×10^{-4}		$\text{C}_2\text{H}_4\text{Cl}_2$	98.96
	1,2-Dichloroethane		7.80×10^{-2}	$\text{C}_2\text{H}_4\text{Cl}_2$	98.96
	1,1-Dichloroethene	1.00×10^{-1}	5.70×10^0	CH_2CCl_2	96.94
	1,2-Dichloropropane	2.60×10^{-3}		$\text{C}_3\text{H}_6\text{Cl}_2$	112.99
	Methylene Chloride		4.38×10^{-1}	CH_2Cl_2	84.93
	Tetrachloroethene	1.60×10^1	7.70×10^{-1}	C_2Cl_4	165.83
	1,1,2-Trichloroethane	4.30×10^{-2}		$\text{C}_2\text{H}_3\text{Cl}_3$	133.40
	Trichloroethene	1.50×10^{-1}	1.80×10^0	C_2HCl_3	131.39
Developmental Toxin	Toluene	6.40×10^{-3}		C_7H_8	92.14
Hepatotoxin	1,1,1-Trichloroethane	3.10×10^1	1.87×10^1	$\text{C}_2\text{H}_3\text{Cl}_3$	133.40
Pulmonary Toxin	Dichlorodifluoromethane		1.50×10^{-1}	CCl_2F_2	120.91



TABLE 2

Standard Parameter Values Used in Risk Assessment

Parameter	Infant 0-2 years	Child 2-6 years	Adult	Reference
Body Weight (kg)	10	16	70	(U.S. EPA, 1989)
Inhalation Rate Outdoor Air (m ³ air/d)	5	5	20	(U.S. EPA, 1989)
Inhalation Rate Indoor Air (m ³ air/d)	5	5	15	(U.S. EPA, 1991)
Maximum Exposure Duration (yr)	2	4	24	(U.S. EPA, 1991)
Residential Land Use				
Ingestion Rate	200	200	100	(U.S. EPA, 1991)
Exposure Time Breathing Outdoor Air (fraction of day)	0.17	0.17	0.17	(Outdoors 4 hr/d)
Exposure Time Breathing Indoor Air (fraction of day)	0.83	0.83	0.83	(Indoors 20 hr/d)
Exposure Frequency or Fraction of Year	0.96	0.96	0.96	(350 d/yr)
Commercial Land Use				
Ingestion Rate (kg soil/d)	200	200	50	(U.S. EPA, 1991)
Exposure Time Breathing Outdoor Air (fraction of day)	0.04	0.04	0.04	(1 hr/d workers and visitors)
Exposure Frequency or Fraction of Year	0.68	0.68	0.68	(250 d/yr)



TABLE 3

Summary of Calculated Hazard Indexes
For Chronic and Subchronic Exposures

	Chemical of Potential Concern	Sum of Chronic Hazard Indexes	Sum of Subchronic Hazard Indexes
Carcinogens	Chloroform	1.35×10^{-7}	1.09×10^{-7}
	Dibromochloromethane	9.47×10^{-8}	7.62×10^{-9}
	1,1-Dichloroethane	4.57×10^{-7}	5.73×10^{-10}
	1,2-Dichloroethane		
	1,1-Dichloroethene	7.51×10^{-6}	6.04×10^{-6}
	1,2-Dichloropropane		
	Methylene Chloride	1.50×10^{-5}	1.15×10^{-8}
	Tetrachloroethene	1.08×10^{-3}	8.70×10^{-5}
	1,1,2-Trichloroethane	7.27×10^{-6}	5.85×10^{-7}
	Trichloroethene		
Developmental Toxin	Toluene	1.29×10^{-6}	5.61×10^{-9}
Hepatotoxin	1,1,1-Trichloroethane	8.04×10^{-2}	2.49×10^{-5}
Pulmonary Toxin	Dichlorodifluoromethane	1.25×10^{-4}	3.82×10^{-8}
Total Hazard Index		8.16×10^{-2}	1.19×10^{-4}

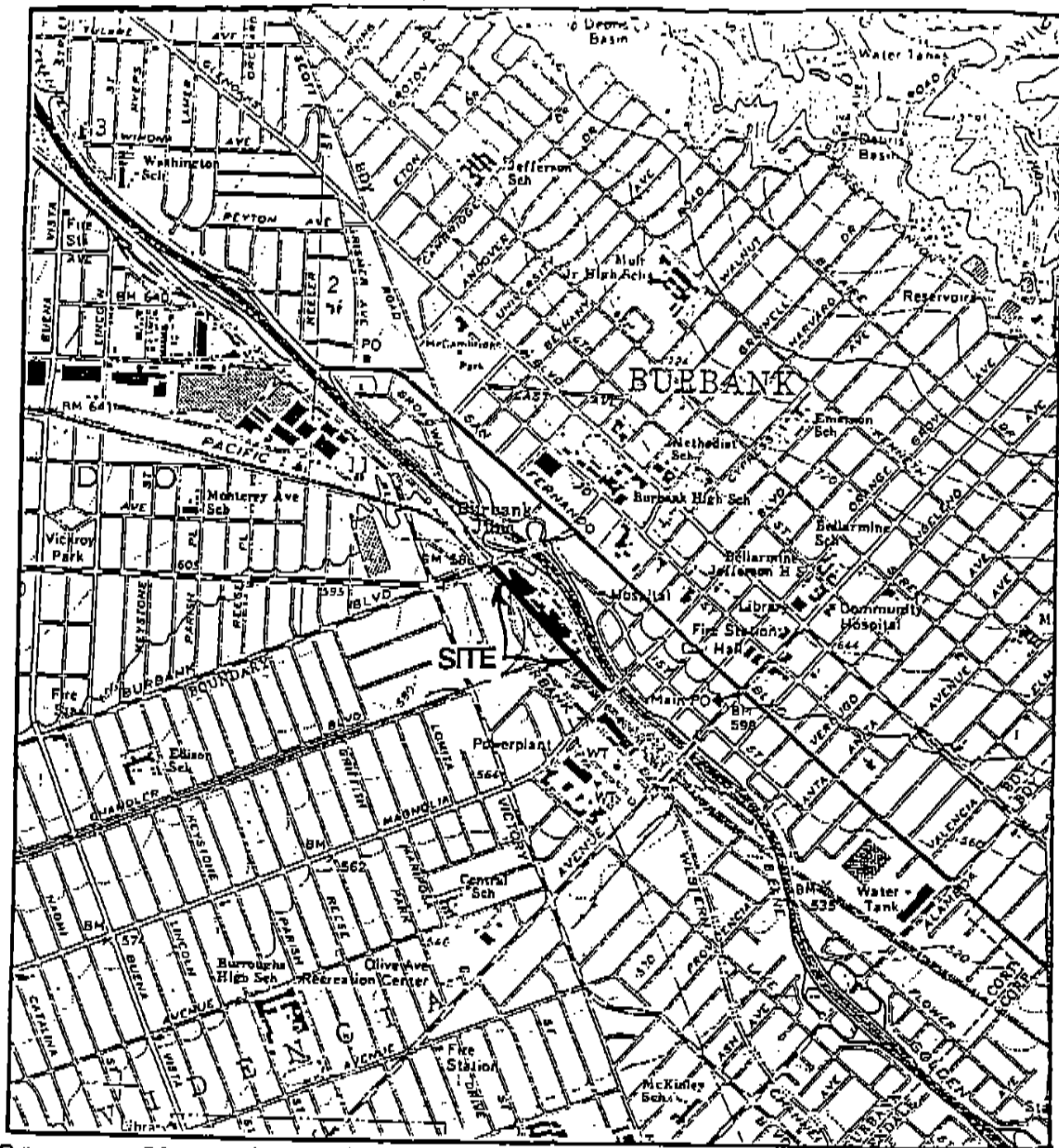


TABLE 4

Summary of Calculated Carcinogenic Risks
For Chronic and Subchronic Exposures

Chemical of Potential Concern		Sum of Risk Probabilities	Sum of Risk Probabilities
		Residential	Commercial
Carcinogens	Chloroform	3.39×10^{-9}	2.65×10^{-12}
	Dibromochloromethane	6.82×10^{-11}	9.79×10^{-12}
	1,1-Dichloroethane		
	1,2-Dichloroethane	5.92×10^{-7}	3.68×10^{-10}
	1,1-Dichloroethene	2.33×10^{-4}	3.89×10^{-8}
	1,2-Dichloropropane	5.12×10^{-11}	7.36×10^{-12}
	Methylene Chloride	2.43×10^{-7}	3.78×10^{-11}
	Tetrachloroethene	4.61×10^{-6}	3.47×10^{-8}
	1,1,2-Trichloroethane	4.66×10^{-7}	3.91×10^{-10}
	Trichloroethene	9.27×10^{-7}	2.14×10^{-10}
Total Risk Probability		2.40×10^{-4}	7.46×10^{-8}





SITE LOCATION MAP

Base Map: Burbank 7 1/2 Minute
USGS Quadrangle
1966

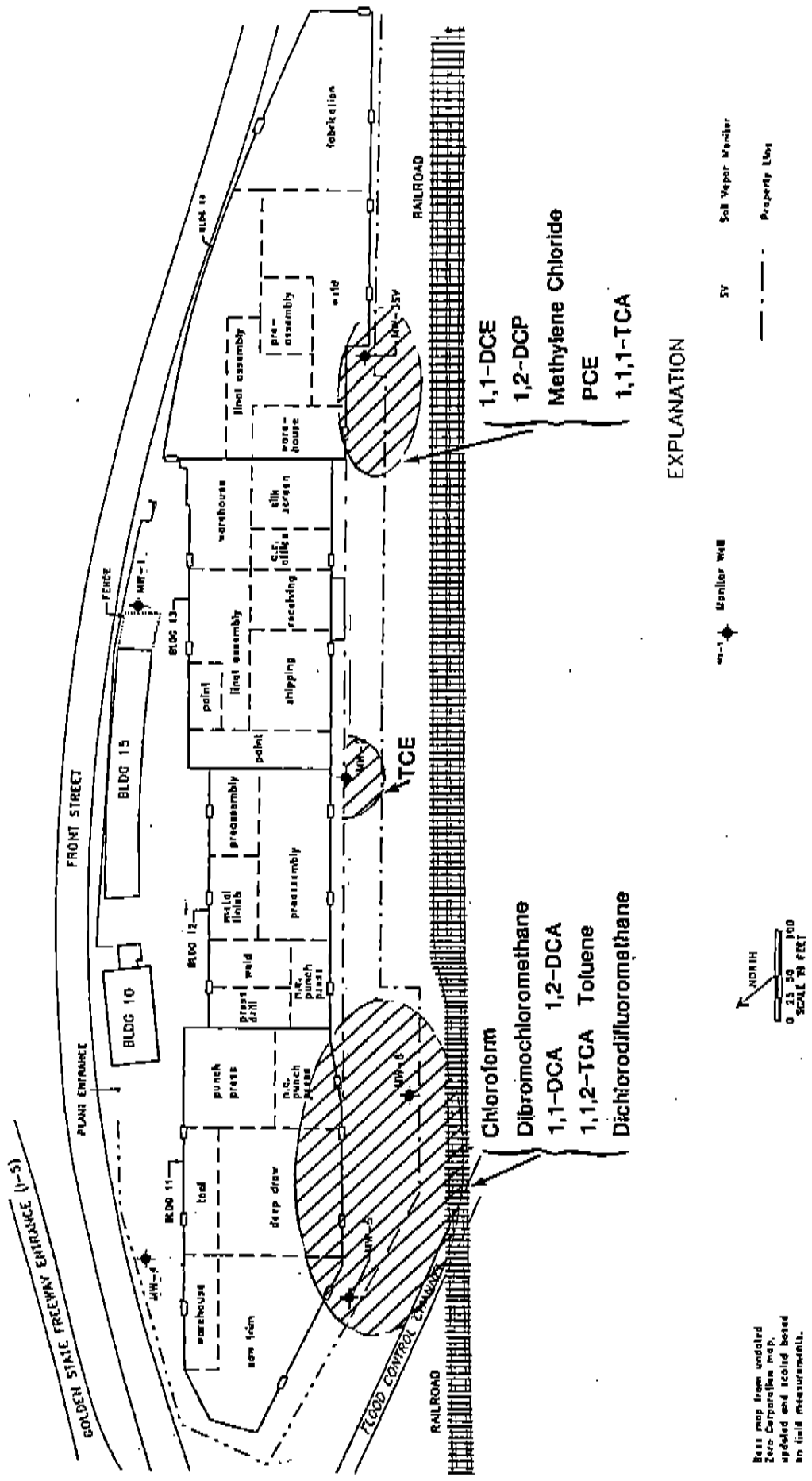
HYRAIL SITE
415 NORTH FRONT STREET
BURBANK, CALIFORNIA

Project No. 02920879-01

Date 5/93



1040 B89
Figure No.1

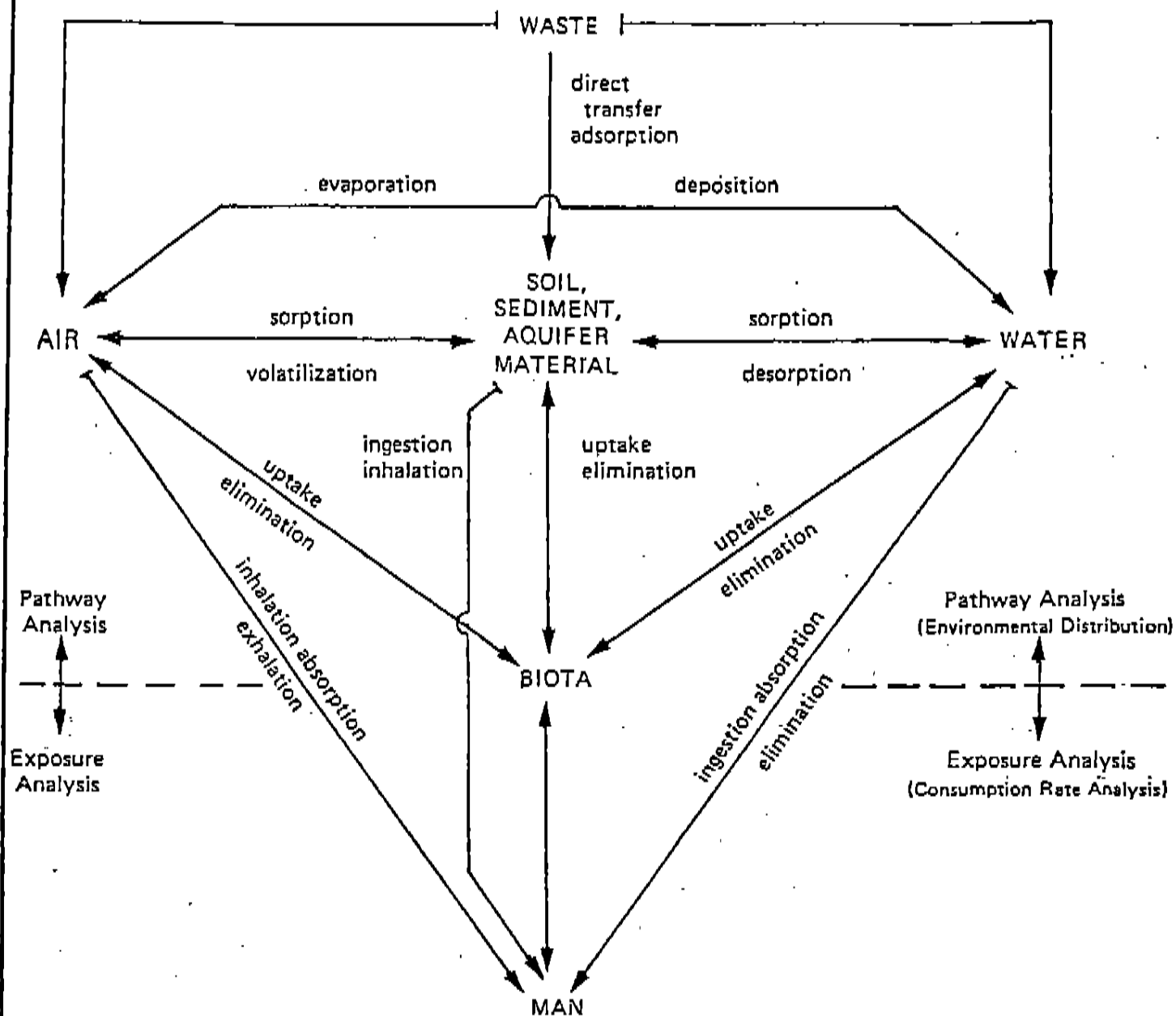


Best map from updated
 Zero Corporation map,
 updated and scaled based
 on field measurements.

LOCATIONS OF HIGHEST CONTAMINANT CONCENTRATIONS IN SOIL AND SOIL VAPOR

HYRAIL SITE 415 NORTH FRONT STREET BURBANK, CALIFORNIA

Project No.	02920879-01
Scale	as shown
Engr./Geol.	
Drafted By	
Date	5/93



REFERENCE: CALIFORNIA DHS, 1986, FIGURE 8.1

**CONTAMINANT EXPOSURE
PATHWAYS TO MAN
HYRAIL SITE
415 NORTH FRONT STREET
BURBANK, CALIFORNIA**

Project No. 02920879-01
Scale
Engr./Geol. HRA/VMG
Drafted By hnj
Date 5/93



Figure No. 3

APPENDIX A

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APPENDIX B

RISK ASSESSMENT CALCULATIONS AND DETERMINATION
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APPENDIX B

Risk Assessment Calculations and Determination of
Soil Clean-up Levels

Two risk assessments will be performed for the Hyrail site; first the worst-case scenario that of residential land use, and second, for the planned commercial land use, that of a paved parking area.

1.0 CALCULATION OF DIFFUSION COEFFICIENT IN AIR:

In order to calculate the concentrations of contaminants in outside air and inside a residential building constructed on the Hyrail site, the diffusion coefficient for each contaminant in air was first calculated.

Assuming ambient temperature 20°C

Using equation of Fuller et al. (1966) as shown in CDHS Decision Tree Manual (1986), para 8.6.4 II.B.2., p. 8-56.

$$D_{i, \text{air}} = \frac{10^{-3} T^{1.75} [(1/M_{\text{air}}) + (1/M_i)]^{0.5}}{P[(\Sigma v)_{\text{air}}^{0.333} + (\Sigma v)_i^{0.333}]^2} \quad (1)$$

Where

- $D_{i, \text{air}}$ = diffusion coefficient of contaminant i in air, cm^2/s
- T = ambient temperature, K
- M_{air} = molecular weight of air = 28.95 g/g mol
- M_i = formula weight of contaminant i, g/g mol
- P = absolute pressure, atm
- $(\Sigma v)_{\text{air}}$ = sum of diffusion volume increments for components of air
- $(\Sigma v)_i$ = sum of diffusion volume increments for components of contaminant i

A simplified version of Equation 1 for ambient temperature $T = 293$ K, and atmospheric pressure $P = 1$ atm is:

$$D_{i,\text{air}} = \frac{20.75 [0.0345 + (1/M_i)]^{0.5}}{[2.72 + (\Sigma v_i)^{0.333}]^2}$$

Fuller et al. (1969) updated the data of Fuller et al. (1966) and provided the following values for diffusion volume increments:

$$(\Sigma v)_{\text{air}} = 19.7$$

$$C = 15.9 \quad Cl = 21.0 \quad Br = 21.9 \quad H = 2.31 \quad \text{and,}$$

subtract 18.3 for a compound with an aromatic or heterocyclic ring.

For example:

For Toluene, C_7H_8 (with one aromatic ring), the sum of diffusion volume increments is:

$$7(15.9) + 8(2.31) - (18.3) = 111.48$$

Table B-1 lists the diffusion coefficients calculated using Equation 1 and the diffusion volumes, formula weights and formulae for the 13 organic contaminants found site soil and/or soil vapor.

2.0 SOIL CONCENTRATION ANALYSIS

2.1 Calculation of Emission Rate Due to Soil Contamination

The emission rate from soil to air for each of the 10 organic contaminants detected in site soil was calculated using the CDHS California Site Mitigation Decision Tree Manual, Paragraph 8.5.4a, Equation 2.

$$\text{Where: } Q_i = D_{i,\text{air}} C_{s,i} (P_i)^{4/3} W_i A_i / L_i \quad (2)$$

$$Q_i = \text{emission rate of contaminant } i, \text{ g/s}$$

$$D_{i,\text{air}} = \text{diffusion coefficient of contaminant } i \text{ in air, cm}^2/\text{s}$$

$C_{s,i}$ = saturation or equilibrium vapor concentration of component i at 20°C , g/cm^3

Where:

$C_{s,i}$ = $P_i M_i / (RT)$ and

P_i = vapor pressure of contaminant i at temperature T , mm Hg

M_i = formula weight of contaminant i $\text{g}/\text{g mol}$

R = gas constant = $82.05 \text{ cm}^3 \cdot \text{atm}/(\text{g mol} \cdot \text{K})$

T = ambient temperature, 293 K

p_t = total soil porosity

W_i = weight fraction of contaminant i in the soil

A_i = surface area of contaminated land, for contaminant i cm^2

L_i = depth of soil cover over W_i , cm

Soil contamination was found at the site in two major areas: in the region of the abandoned drum storage area (close to monitoring well MW-3; see Figure 2), and near the location of the former chemical storage area (close to monitoring well MW-6). The area near MW-3 was approximated as an ellipse 200 feet by 50 feet, area 7854 feet^2 ($7.3 \times 10^6 \text{ cm}^2$) where the highest concentrations of 1,1-DCE, 1,2-Dichloropropane, PCE and 1,1,1-TCA were detected. The area near MW-6 was approximated as an ellipse 400 feet by 100 feet, area $31,416 \text{ feet}^2$ ($2.92 \times 10^7 \text{ cm}^2$) where the highest concentrations of Chloroform, Dibromochloromethane, 1,1-DCA, 1,1,2-TCA and Toluene were detected. High levels of TCE contamination in the soil were also detected in the location of monitoring well MW-2. This area was approximated as a semicircle of 50-foot radius, area 3927 feet^2 ($3.65 \times 10^6 \text{ cm}^2$).

The depth of soil cover L_i at which the highest contamination was detected varied with the contaminant, but ranged from 1.0 to 106 feet (30 cm to 3230 cm).

Values for saturation concentration $C_{s,i}$ at 20°C were calculated as shown above and are presented in Table B-1.

The total soil porosity was estimated to be 0.30, which is representative of alluvial soil. The weight fraction of each contaminant in the soil was taken to be the concentration that would produce the highest emission rate (see Appendix D, Table D-1). The weight fraction of each contaminant in the soil was the worst case value identified at the site. These values are tabulated in Table B-1 together with the depth of soil cover at which they occurred.

Substituting values for soil porosity p_i into Equation 2 gives:

$$Q_i = \frac{2.01 \times 10^{-1}}{L_1} D_{i,air} C_{s,i} W_i A_i$$

Calculated values of Q_i are shown in Table B-1.

2.2 Concentration of Soil Contaminants in Outdoor Air

The concentrations of contaminants in outdoor air above the site of contamination were calculated using the following equation (CDHS, California Site Mitigation Decision Tree Manual, Paragraph 8.6.1.b):

$$C_{o,i} = 16 Q_i / (L_v \sigma_z U (2\pi)^{1/2}) \quad (3)$$

Where:

$C_{o,i}$ = concentration of contaminant i in outdoor air, g/m^3

Q_i = emission rate of contaminant i , g/s

U = wind speed, m/s

σ_z = standard deviation of the plume concentration in the vertical (z) direction, m

L_v = $L_1 + L'$, m

L_1 = distance from the site center to the receptor, m

L' = distance from the site center to the virtual upwind point source and is given by 2.5 times the cross-wind width of the site, m

The minimum distance L_1 from the center of the site to the receptor, for which this equation applies, is 100m. Since the receptors will be located at the site, this value of L_1 was used. The maximum cross-wind width of the site permitted under the conditions applying to this equation is 40 m, giving a value for L' , the distance from the site center to the virtual upwind point source of 100 m. The standard deviation σ_z of the plume concentration in the vertical direction was assumed to be low. A value of unity was used in Equation 3. The wind speed U was also assumed to be low. A value of 2 m/s was used.

Substituting in Equation 3:

$$\begin{aligned} C_{o,i} &= 16Q_i / (200 \times 1 \times 2 \times (6.2832)^{1/2}) \\ &= 1.60 \times 10^{-2} Q_i \text{ g/m}^3 \\ &= 1.60 \times 10^4 Q_i \text{ } \mu\text{g/m}^3 \end{aligned}$$

Calculated soil/contaminant concentrations in outdoor air above the site area are shown in Table B-2.

2.3 Concentration of Soil Contaminants in Indoor Air

The concentration of contaminants in air inside a residential building at the Hyrail site was calculated using the following equation:

$$C_{I,i} = Q_i A_B / (A_i V_B a) \quad (4)$$

Where:

- $C_{I,i}$ = contaminant i concentration in indoor air, g/m^3
- Q_i = contaminant i emission rate, g/s
- A_B = area of building in contact with soil, m^2
- A_i = surface area of contaminated land for contaminant i, m^2
- V_B = volume of air inside building, m^3
- a = air exchange rate, s^{-1}

The area of the building in contact with soil (A_B) divides into the volume of air inside the building (V_B), so the height of the rooms is the determining factor. The worst case situation would exist when the height of the room is 7.5 feet (2.29 m) which is the minimum height in the California Building code. The same areas of contaminated land as used in Equation 2 were used here (see page B-3).

The 1989 Residential Energy Regulations for California specify a minimum air exchange rate of 0.5 air changes per hour. This value was used for "a" in Equation 4.

Equation 4 then becomes:

$$\begin{aligned} C_{i,l} &= Q_i \times 3600 / (A_i \times 2.29 \times 0.5) \\ &= 3.14 \times 10^3 Q_i / A_i \text{ g/m}^3 \\ &= 3.14 \times 10^9 Q_i / A_i \text{ } \mu\text{g/m}^3 \end{aligned}$$

Calculated worst case contaminant concentrations in indoor air are shown in Table B-2.

3.0 SOIL VAPOR CONCENTRATION ANALYSIS

3.1 Calculation of Emission Rate Due to Soil Vapor Contamination

The emission rate for each of the contaminants in air above the site was calculated based on soil gas concentrations using the CDHS Decision Tree Manual, Paragraph 8.5.4.a, Equation 1.

$$Q_{s,i} = D_{i,air} C_{a,i} (p_a^{10/3} / p_t^2) A_i / L_i \quad (5)$$

Where:

- $Q_{s,i}$ = soil gas emission rate of contaminant i, g/s
- $D_{i,air}$ = diffusion coefficient of contaminant i in air, cm^2/s
- $C_{a,i}$ = soil gas concentration of contaminant i, g/cm^3
- p_a = air-filled soil porosity
- p_t = total soil porosity
- A_i = surface area of contaminated land for contaminant i, cm^2
- L_i = depth of soil cover above contaminant i, cm

Values of highest soil vapor concentrations detected are shown in Table B-3.

The soil at the site consists of alluvium deposits with an estimated total porosity of 0.30. Soil moisture is estimated to be 10 percent, leaving an air-filled porosity of 0.25. Values for diffusion coefficients were calculated using Equation 1 and are shown in Table B-3. The depth of soil cover for the soil gas samples ranged from 5 feet (152.4 cm) to 50 feet (1524 cm) and the areas of contaminated land varied with the contaminants. The area near MW-3 showed the

highest soil gas concentrations for 1,1-DCE, Methylene Chloride, PCE, TCE and 1,1,1-TCA ($7.30 \times 10^6 \text{ cm}^2$). The area near MW-6 showed the highest soil gas concentrations for Chloroform, 1,2-DCA, and Dichlorodifluoromethane ($2.92 \times 10^7 \text{ cm}^2$). Calculated values of emission rates are presented in Table B-3.

3.2 Concentration of Soil Vapor Contaminants in Outdoor and Indoor Air

The outdoor and indoor air concentrations due to soil vapor contamination were calculated using Equations 3 and 4, respectively, and are presented in Table B-4.

4.0 RISK APPRAISAL PROCEDURE

In order to determine the level of risk associated with both the outdoor and indoor contaminant concentrations in air, the concentrations calculated are compared with the California Department of Health Services Applied Action Levels (CDHS AALs) and California Title 22 No Significant Risk Levels (NSRLs). These are shown in Tables B-2 and B-4.

From Table B-2, all outdoor air concentrations due to soil contamination are lower than their AALs or NSRLs. For indoor air, the values are exceeded for PCE and 1,1,1-TCA. From Table B-4, all outdoor and indoor air concentrations due to soil vapor contamination are lower than their AALs.

The CDHS Manual (1986) and Applied Action Levels (1991) describe three tests for evaluating the risk associated with exposure by a biological receptor to contaminants on a site containing them. If any of the tests fail, it is concluded that a sensitive biological receptor of concern is considered at significant risk for an adverse impact, and that a risk management process should be initiated.

The first test evaluates single chemical/single medium exposure:

$$\frac{C_{\text{medium}, i}}{\text{AAL}_{\text{medium}, i}} < 1.0 \quad (6)$$

Values for $C_{\text{medium}, i}$ were taken from Tables B-2 and B-4 for the media of outdoor and indoor air. Values for $\text{AAL}_{\text{medium}, i}$ are also shown in these Tables. The ratios $C_{o,i}/\text{AAL}_{\text{air},i}$ and $C_{i,i}/\text{AAL}_{\text{air},i}$ for each contaminant are also shown in Tables B-2 and B-4. All the values calculated are below 1.0 except for PCE and 1,1,1-TCA in indoor air. Test 1 shows that there may be a potential risk to humans from the indoor air concentration of PCE and 1,1,1-TCA detected in soil at the Hyrail site. This is the worst case scenario that is not actually planned for the site.

The second test evaluates a single chemical/multiple media exposure. Since no AALs for soil contact by human receptors have been determined by the CDHS, for the chemicals of concern, only one medium, air, is involved in this assessment. The second test cannot be performed.

The third test evaluates multiple chemical/multiple media exposure:

$$\sum \frac{C_{\text{medium}, i}}{\text{AAL}_{\text{medium}, i}} < 1.0 \quad (7)$$

Test 3 is conducted for each group of chemicals that produces the same toxic effect. If the sum for any group exceeds unity, then the test fails and the biological receptor is considered at significant risk for an adverse impact. The chemicals detected at the site for which AALs and NSRLs have been determined were considered to fall into four groups: carcinogens, developmental toxins, hepatotoxins and pulmonary toxins. Test 1 ratios were summed within each group. Test 3 shows that there may be a potential risk to human health from the indoor air concentration of carcinogens and hepatotoxins (see Table B-5).

5.0 U.S. EPA EXPOSURE PATHWAY ANALYSIS FOR NONCARCINOGENIC EFFECTS - RESIDENTIAL LAND USE

5.1 Inhalation of Contaminated Air

The worst case exposure pathway at the subject site would be for residential land use. Analyses will, therefore, be performed for chronic exposures to potential residents at the site, as a worst case situation.

In U.S. EPA (1991), a residential period of 30 years is recommended when estimating chronic exposures. For inhalation of contaminated air by residents at the site over a 30-year period, the time weighted average intake rate of contaminant i per day, per kilogram of body weight for each age group j , $I_{a,ij}$ is represented by the following equation (U.S. EPA, 1989, Exhibit 6-16):

$$I_{a,ij} = C_{a,i} I_{h,j} E_F F_j E_{Dj} / (B_j T_A) \quad (8)$$

Where:

$I_{a,ij}$ = Intake rate of contaminant i for age group j , mg/(kg body wt.d)

$C_{a,i}$ = Concentration of contaminant i in air, mg/m³

$I_{h,j}$ = Inhalation rate of air per day for age group j , m³/d

- E_F = Exposure frequency, or fraction of year age group is exposed
 F_j = Exposure time, or fraction of day age group j is exposed
 $E_{D,j}$ = Exposure duration for age group j, yr
 B_j = Body weight for age group j, kg
 T_A = Total period over which exposure is averaged, yr

Table B-6 presents a summary of parameter values accepted as standard by the U.S. EPA for residential land use. The concentrations of contaminants found in site soil or soil vapor that would produce the highest emission rates were used in the analyses. All contaminant concentrations detected are shown in Appendix D. Air concentrations calculated from these (shown in Sections 2 and 3) are presented in Tables B-2 and B-4.

For an infant of 10 kg body weight, inhalation rate of 5 m³/d (see Table B-6), exposure time 0.17 (outdoors 4 hours per day), exposure frequency 0.96 (350 days per year), exposure duration of 2 years, total period 30 years, breathing Chloroform in site air of 7.35 x 10⁻⁹ mg/m³, Equation (8) becomes:

$$\begin{aligned}
 I_{a,\text{Chloroform,infant}} &= \frac{7.35 \times 10^{-9} \text{ mg/m}^3 \times 5 \text{ m}^3/\text{d} \times 0.96 \times 0.17 \times 2 \text{ yr}}{10 \text{ kg body wt} \times 30 \text{ yr}} \\
 &= 4.00 \times 10^{-11} \text{ mg/(kg body wt.d)}
 \end{aligned}$$

The calculated chronic time weighed average intake rates by inhalation of outdoor vapors for each age group averaged over 30 years are presented in Table B-7.

5.2 Inhalation of Contaminated Soil and Dust

For inhalation of contaminated soil and dust by residents at the site, the time weighted average intake rate of contaminant i per day, per kilogram of body weight for each age group j, $I_{d,i,j}$, is represented by the following equation. A dust loading of 0.3 mg dust/m³ air was assumed, and 20 percent of airborne dust was assumed to be respirable by site receptors. Standard parameter values as shown in Table B-6 were also assumed.

$$I_{d,i,j} = C_{d,i} I_{h,j} c_f E_F F_j D_L F E_{D,j} / (B_j T_A) \quad (9)$$

Where:

- $I_{d,i,j}$ = Intake rate of contaminant i for age group j, mg/(kg body wt.d)
 $C_{d,i}$ = Concentration of contaminant i in the soil or dust, mg/kg dust
 $I_{h,j}$ = Inhalation rate of air per day for age group j, m³ air/d
 c_f = Conversion factor, 10⁻⁶ kg dust/mg dust
 E_F = Exposure frequency or fraction of year age group is exposed
 F_j = Exposure time or fraction of day age group j is exposed
 D_L = Dust loading in air = 0.3 mg dust/m³ air
 F = Fraction of respirable dust = 0.2
 $E_{D,j}$ = Exposure duration for age group j, yr
 B_j = Body weight for age group j, kg
 T_A = Total period over which exposure is averaged, yr

For an infant of 10 kg breathing air containing Chloroform contaminated dust (2.0×10^{-3} mg/kg), for 4 hours per day (0.17), 350 days per year (0.96), averaged over 30 years, and other data according to Table B-6, Equation 9 becomes:

$$\begin{aligned}
 I_{d,\text{Chloroform},\text{Infant}} &= \frac{1.2 \times 10^{-3} \text{ mg/kg} \times 5 \text{ m}^3/\text{d} \times 10^{-6} \text{ kg/mg} \times 0.96 \times 0.17 \times 0.3 \text{ mg/m}^3 \times 0.2 \times 2 \text{ yr}}{10 \text{ kg body wt} \times 30 \text{ yr}} \\
 &= 6.53 \times 10^{-13} \text{ mg/(kg body wt.d)}
 \end{aligned}$$

The calculated chronic time weighted average intake rates by the inhalation of contaminated soil and dust for each age group averaged over 30 years are shown in Table B-8.

5.3 Hazard Index for Chronic Exposures

The Hazard Index for chronic exposures has been developed by the U.S. EPA to assess the overall potential for noncarcinogenic effects from chronic lifetime exposure to multiple contaminants. This index is not a mathematical prediction of incidence or severity of effects. It is simply a numerical index to help identify potential exposure problems.

The Chronic Reference Dose by the inhalation exposure route for each of the potential contaminants of concern is taken from U.S. EPA (1990), and values are shown in Table B-8. The Chronic Hazard Index for all contaminants i is:

$$H_I = \sum_i (C_{DE,i} / R_{D,i}) \quad (10)$$

Where:

H_I = Hazard Index for chronic exposures

$C_{DE,i}$ = Chronic dose estimate for contaminant i , mg/(kg body wt.d)

$R_{D,i}$ = Chronic Reference Dose for contaminant i (noncarcinogenic effects), mg/(kg body wt.d)

Results from Equation 10 are shown in Tables B-7 and B-8, using the outdoor vapor inhalation dose estimate for an adult (total 30-year average exposure time) for Table B-7, and the contaminated soil and dust inhalation dose estimate for an adult for Table B-8. When H_I is less than 1, there is probably no chronic health hazard from the exposure routes analyzed (U.S. EPA, 1989). Tables B-7 and B-8 show Hazard Indices of less than 1.

Equation 8 is also used to calculate the chronic time weighted average intake rates by inhalation of indoor vapors (20 hours per day) for each age group averaged over 30 years. Standard parameter values used are shown in Table B-6. Equation 10 is then used to calculate the Hazard Index for chronic inhalation of indoor vapors. Results are shown in Table B-9. The Hazard Index is again less than 1.

5.4 Ingestion of Contaminated Soil

For the soil ingestion pathway to man, the majority of exposure to contaminants occurs during childhood. Children are at greater risk of exposure to contaminants in soil because of their tendency to play in and ingest soil.

For residents at the site, the time weighted average intake rate of contaminant i per day per kilogram of body weight for each age group j , I_{ij} is represented by the following equation (U.S. EPA, 1989, Exhibit 6-14).

$$I_{ij} = C_i I_{r,j} c_i E_F F_j E_{D,j} / (B_j T_A) \quad (11)$$

Where:

I_{ij}	=	Intake rate of contaminant i in the body for age group j, mg/(kg body wt.d)
C_i	=	Concentration of contaminant i in the soil, mg/kg soil
I_{rj}	=	Ingestion rate of soil per day for age group j, mg soil/d
c_f	=	Conversion factor, 10^{-6} kg soil/mg soil
E_F	=	Exposure frequency or fraction of year age group is exposed
F_j	=	Exposure time or fraction of day age group j is exposed
E_{Dj}	=	Exposure duration for age group j, yr
B_j	=	Body weight for age group j, kg
T_A	=	Total lifetime over which exposure is averaged, yr

For an infant of 10 kg body weight, ingestion rate 200 mg soil/d, exposed to contaminated soil for 4 hours per day (0.17), 350 days per year (0.96), with a Chloroform soil concentration of 2.0×10^{-3} mg/kg, exposure time 30 years, Equation 11 becomes:

$$\begin{aligned}
 I_{\text{Chloroform, Infant}} &= \frac{2.0 \times 10^{-3} \text{ mg/kg} \times 200 \text{ mg soil/d} \times 10^{-6} \text{ kg/mg} \times 0.96 \times 0.17 \times 2 \text{ yr}}{10 \text{ kg body wt} \times 30 \text{ yr}} \\
 &= 4.35 \times 10^{-10} \text{ mg/(kg body wt.d)}
 \end{aligned}$$

The calculated chronic time weighed average intake rates by ingestion of contaminated soil for each age group and for a lifetime are presented in Table B-10.

The Hazard Index for the chronic ingestion of contaminated soil by an adult (total 30-year average exposure time) was calculated using Equation 10. The Chronic Reference Doses by the ingestion exposure route for each of the potential contaminants of concern were taken from U.S.EPA (1992) and (1990), and values are shown in Table B-10. Results are shown in Table B-10. The Hazard Index is less than 1.0, so there is probably no health hazard to residents at the site from the ingestion of contaminated soil.

5.5 Chronic Noncarcinogenic Effects From Inhalation and Ingestion Exposures

The total Hazard Index for chronic exposures is calculated by combining the outdoor, particulate and indoor inhalation Hazard Indices together with the oral Hazard Index. The total Hazard Index for all contaminants as presented in Table B-11, is estimated to be less than 1, indicating that there is probably not health hazard to residents at the site from noncarcinogenic inhalation and ingestion exposures.

6.0 U.S. EPA EXPOSURE PATHWAY ANALYSIS FOR CARCINOGENIC EFFECTS - RESIDENTIAL LAND USE

For carcinogens, the U.S. EPA (1989) guidelines state that contaminated intake rates may be calculated by prorating the total cumulative dose over a lifetime of 70 years (i.e., Chronic Daily Intakes). The approach for carcinogens is based on the assumption that a high dose received over a short period of time is equivalent to a corresponding low dose spread over a lifetime.

6.1 Inhalation of Contaminated Air

For the inhalation of contaminated air over a lifetime (70 years), the time weighted average intake rate of contaminant i per day, per kilogram of body weight for each age group j , is represented by Equation 8.

For an infant of 10 kg body weight, inhalation rate of $5 \text{ m}^3/\text{d}$ (see Table B-6), exposure time of 0.17 (outdoors 4 hours per day), exposure frequency 0.96 (350 days per year), exposure duration of 2 years, total lifetime 70 years, breathing Chloroform in outdoor air of $7.35 \times 10^{-6} \text{ } \mu\text{g}/\text{m}^3$ (from Table B-4), Equation 8 becomes:

$$\begin{aligned}
 I_{a,\text{Chloroform,infant}} &= \frac{7.35 \times 10^{-6} \text{ } \mu\text{g}/\text{m}^3 \times 10^{-3} \text{ mg}/\mu\text{g} \times 5 \text{ m}^3/\text{d} \times 0.96 \times .17 \times 2 \text{ yr}}{10 \text{ kg body wt} \times 70 \text{ yr}} \\
 &= 1.71 \times 10^{-11} \text{ mg}/(\text{kg body wt.d})
 \end{aligned}$$

The calculated chronic exposure levels for inhalation of outdoor vapors for each age group over a 70 year lifetime are presented in Table B-12.

6.2 Inhalation of Contaminated Soil and Dust

For the inhalation of contaminated soil and dust by residents over a lifetime (70 years) the average intake rate of contaminant i per day, per kilogram of body weight for each age group j , is calculated using Equation 9.

For an infant of 10 kg body weight, inhaling $5 \text{ m}^3/\text{d}$ (see Table B-6), exposure time of 0.17 (outdoors 4 hours per day), exposure frequency 0.96 (350 days per year), exposure duration of 2 years, total lifetime of 70 years, breathing Chloroform contaminated dust ($2.00 \times 10^{-3} \text{ mg/kg}$), with a dust loading of 0.3 mg dust/m^3 air and 20 percent of the dust respirable, Equation 9 becomes:

$$I_{d,\text{Chloroform,infant}} = \frac{2.0 \times 10^{-3} \text{ mg/kg} \times 5 \text{ m}^3/\text{d} \times 10^{-6} \text{ kg/mg} \times 0.96 \times 0.17 \times 0.3 \text{ mg/m}^3 \times 0.2 \times 2 \text{ yr}}{10 \text{ kg body wt} \times 70 \text{ yr}}$$

$$= 2.8 \times 10^{-13} \text{ mg/(kg body wt.d)}$$

The calculated chronic particulate inhalation doses are shown in Table B-13.

6.3 Cancer Risk from Chronic Exposures

For carcinogens, risks are estimated as the incremental probability of an individual developing cancer over a lifetime as a result of exposure to the potential carcinogen (i.e., incremental or excess individual lifetime cancer risk). The U.S. EPA Potency or Slope Factor for carcinogenic effects (U.S. EPA, 1992 and 1990) converts estimated daily intakes averaged over a lifetime of exposure directly to incremental risk above one in one million, of an individual developing cancer. Because relatively low intakes are likely from environmental exposure, it is assumed that the dose-response relationship is linear, and risk is directly related to intake. This is a valid assumption at low risk levels (U.S. EPA, 1989) (i.e., below estimated risks of 0.01 or 1 in 100).

The linear low-dose cancer risk equation for all contaminants i is:

$$C_R = \sum_i (C_{DL,i} P_{F,i}) \quad (12)$$

Where:

$$C_R = \text{Carcinogenic Risk - a unitless probability of an individual developing cancer}$$

$C_{DI,i}$ = Chronic Daily Intake rate of contaminant i, mg/(kg body wt.d)

$P_{F,i}$ = Potency (Slope) Factor for carcinogenic effects from contaminant i, assuming a risk level of 1×10^{-6} (mg/(kg body wt.d))⁻¹

Results from Equation 12 are shown in Table B-12 using the outdoor inhalation dose estimate (Chronic Daily Intake Rate). Table B-12 shows risk probabilities of less than 1×10^{-6} or 1 in 1,000,000.

Results from Equation 12 are also shown in Table B-13, using the particulate inhalation dose estimate.

Equations 8 and 12 are also used to calculate the Carcinogenic Risk from the chronic inhalation of indoor vapors assuming indoor residence 20 hr/d, and a 70 year lifetime.

For an infant of 10 kg body weight, inhalation rate of 5 m³/day (see Table B-6), exposure time of 0.83 (indoors 20 hours per day), exposure frequency 0.96 (350 days per year), exposure duration of 2 years, total lifetime 70 years, breathing Chloroform in indoor air of 4.96×10^{-4} µg/m³ (from Table B-4), Equation 8 becomes:

$$I_{a, \text{Chloroform, infant}} = \frac{4.96 \times 10^{-4} \text{ } \mu\text{g/m}^3 \times 10^{-3} \text{ mg/} \mu\text{g} \times 5 \text{ m}^3/\text{d} \times 0.96 \times .83 \times 2 \text{ yr}}{10 \text{ kg body wt} \times 70 \text{ yr}}$$

$$= 5.64 \times 10^{-9} \text{ mg/(kg body wt.d)}$$

Results are shown in Table B-14. The cancer risk is less than 1 in 1,000,000, for all contaminants except for 1,1-DCE and PCE, indicating a significant risk to health due to the inhalation of 1,1-DCE and PCE in indoor air.

This is worst case scenario that is not actually planned for the site.

6.4 Ingestion of Contaminated Soil

Equation 11 is used to calculate the time weighted average intake rate of contaminant i per day averaged over a lifetime (70 years), with other parameter values as shown in Table B-6.

For an infant of 10 kg body weight, ingestion rate of 200 mg soil/d, exposed to contaminated soil for 4 hours per day (0.17), 350 days per year (0.96), with a Chloroform concentration in soil of 2.0×10^{-3} mg/kg, exposure time 70 yr, Equation 11 becomes:

$$\begin{aligned}
 I_{\text{Chloroform, infant}} &= \frac{2.0 \times 10^{-3} \text{ mg/kg} \times 200 \text{ mg soil/d} \times 10^{-6} \text{ kg/mg} \times 0.96 \times 0.17 \times 2 \text{ yr}}{10 \text{ kg body wt} \times 70 \text{ yr}} \\
 &= 1.87 \times 10^{-10} \text{ mg/(kg body wt.d)}
 \end{aligned}$$

The cancer risk from chronic ingestion of site soil and dust over a lifetime (70 years) is calculated using Equation 12. The calculated Carcinogenic Risks are presented in Table B-15. It can be seen that the Carcinogenic Risk is less than 1 in 1,000,000, for this exposure route, indicating that there is no significant risk to health from the ingestion of site soil during residential occupation.

6.5 Carcinogenic Effects from Inhalation and Ingestion Exposures

The total Carcinogenic Risk from inhalation and ingestion exposures is the sum of the Carcinogenic Risks from outdoor inhalation, particulate inhalation, indoor inhalation and ingestion (U.S. EPA, 1991). The carcinogenic risk summed over these exposure routes is shown in Table B-16. It can be seen that the risk level of 1 in 1,000,000 is exceeded for TCE, DCE and PCE and consequently that there may be a significant risk to human health if residential land use were planned for the site.

7.0 U.S. EPA RISK BASED PRELIMINARY REMEDIATION GOALS - RESIDENTIAL LAND USE

As set out in U.S. EPA (1991), the baseline risk assessment can be used to develop risk based preliminary remediation goals. By setting the total risk for carcinogenic effects for each contaminant at a target level of 1 in 1,000,000, the concentration term (i.e., the risk based preliminary remediation goal) can be calculated. In addition, the total risk for noncarcinogenic effects for each contaminant is set at a Hazard Index level of 1.0 in each medium.

From inspection of the Hazard Indices calculated in Tables B-7 to B-11, it can be seen that for every chemical the Hazard Index is less than unity. This indicates that the preliminary remediation goals for noncarcinogenic effects from residential use of the site, have been satisfied without remediation of site soil or soil vapor.

From inspection of Carcinogenic Risks calculated in Tables B-12 to B-16, it can be seen that for the two carcinogens 1,1-Dichloroethene and Tetrachloroethene, the Carcinogenic Risk is greater than 1 in 1,000,000. This indicates that the preliminary remediation goals for carcinogenic effects must be determined for these contaminants.

7.1 Cancer Risk from Soil Vapor

The cancer risk associated with each carcinogenic chemical detected in soil vapor found to exceed the 1 in 1,000,000 risk level was identified from Tables B-4 and B-14. Only one contaminant, 1,1-Dichloroethene, was found to exceed this risk level.

7.2 Cancer Risk from Soil

The cancer risk associated with each carcinogenic chemical detected in soil found to exceed the 1 in 1,000,000 risk level was identified from Tables B-2 and B-14. Only one contaminant, Tetrachloroethene, was found to exceed this risk level.

7.3 Calculation of Risk Based Preliminary Remediation Goals

The calculated cancer risks found to exceed 1 in 1,000,000, shown in Table B-14 for indoor vapor inhalation were compared with the target level of 1 in 1,000,000 or 1×10^{-6} . When the risk is less than this level for a particular exposure pathway, no remediation of site soil is required. The two exposure pathways considered for the contaminants were:

- the total risk of carcinogenic effects from soil vapor in indoor air; and
- the total risk of carcinogenic effects from soil in indoor air.

When the risk is greater than the target level, the contaminant concentration that would produce the target risk level is calculated by proportionality from the concentration found on site.

For soil vapor, the relationship is expressed as follows:

$$C_{i,g} = 1 \times 10^{-6} C_i / C_R \quad (13)$$

Where:

- $C_{i,g}$ = Risk based preliminary remediation goal, mg/L
- C_i = Concentration of contaminant i in the soil vapor, mg/L
- C_R = Carcinogenic risk calculated from soil vapor

For 1,1-Dichloroethene in indoor air (from Tables B-3 and B-14):

$$C_{1,1-DCE,g} = \frac{1 \times 10^{-6} \times 5.7 \text{ mg/L}}{2.3^3 \times 10^{-4}}$$

$$= 2.45 \times 10^{-2} \text{ mg/L}$$

The preliminary remediation goal concentrations were calculated similarly for Tetrachloroethene soil in mg/kg units (from Tables B-1 and B-14):

$$C_{\text{Tetrachloroethene,g}} = \frac{1 \times 10^{-6} \times 1.60 \times 10^1 \text{ mg/kg}}{4.37 \times 10^{-6}}$$

$$= 3.66 \text{ mg/kg}$$

All calculations were performed using conservative assumptions. When the soil is remediated to the minimum remediation goal concentrations calculated, there should be no significant risk of an adverse impact on the health of residents at the site.

8.0 U.S. EPA EXPOSURE PATHWAY ANALYSES FOR NONCARCINOGENIC EFFECTS - COMMERCIAL LAND USE

8.1 Inhalation of Contaminated Air

The subject site is planned for commercial development into a paved parking area. Analyses will, therefore, be performed for subchronic exposures to potential workers and visitors to the site.

For inhalation of contaminated air by workers, and visitors to the site, the intake rate of contaminant *i* per day, per kilogram of body weight for each age group *j*, $I_{a,ij}$ is represented by the following equation (U.S. EPA, 1989, Exhibit 6-16):

$$I_{a,ij} = C_{a,i} I_{h,j} E_F F_j / B_j \quad (14)$$

Where:

$I_{a,ij}$ = Intake rate of contaminant *i* for age group *j*, mg/(kg body wt.d)

$C_{a,i}$ = Concentration of contaminant *i* in air, mg/m³

- $I_{h,j}$ = Inhalation rate of air per day for age group j, m^3/d
 E_F = Exposure frequency, or fraction of year age group is exposed
 F_j = Exposure time, or fraction of day age group j is exposed
 B_j = Body weight for age group j, kg

Table B-17 presents a summary of parameter values accepted as standard by the U.S. EPA for commercial land use. The concentrations of contaminants found in site soil and soil vapor that would produce the highest emission rates were used in the analyses. Air concentrations calculated (shown in Sections 2 and 3) are presented in Table B-18.

For an infant of 10 kg body weight, inhalation rate of $5 m^3/d$, exposure time 0.04 (1 hour per day), exposure frequency 0.68 (250 days per year), breathing Chloroform in site air of $7.35 \times 10^{-6} \mu g/m^3$, Equation (14) becomes:

$$\begin{aligned}
 I_{a, \text{Chloroform, infant}} &= \frac{7.35 \times 10^{-6} \mu g/m^3 \times 10^{-3} mg/\mu g \times 5 m^3/d \times 0.68 \times 0.04}{10 \text{ kg body wt}} \\
 &= 9.99 \times 10^{-11} \text{ mg/(kg body wt.d)}
 \end{aligned}$$

The calculated subchronic exposure levels for inhalation of outdoor vapors for each age group are presented in Table B-18.

8.2 Inhalation of Contaminated Soil and Dust

For inhalation of contaminated soil and dust by workers and visitors to the site, the intake rate of contaminant i per day, per kilogram of body weight for each age group j, $I_{d,ij}$, is represented by the following equation. A dust loading of $0.3 \text{ mg dust}/m^3$ air was assumed, and 20 percent of airborne dust was assumed to be respirable by site receptors.

$$I_{d,ij} = C_{d,i} I_{h,i} c_r E_F F_j D_L F / B_j \quad (15)$$

Where:

- $I_{d,ij}$ = Intake rate of contaminant i for age group j, mg/(kg body wt.d)
 $C_{d,i}$ = Concentration of contaminant i in the soil or dust, mg/kg dust
 I_{hj} = Inhalation rate of air per day for age group j, m^3 air/d
 c_r = Conversion factor, 10^{-6} kg dust/mg dust
 E_F = Exposure frequency or fraction of year age group is exposed
 F_j = Exposure time or fraction of day age group j is exposed
 D_L = Dust loading in air = $0.3 \text{ mg dust}/m^3 \text{ air}$
 F = Fraction of respirable dust = 0.2
 B_j = Body weight for age group j, kg

For an infant of 10 kg breathing air containing Chloroform contaminated dust (2.0×10^{-3} mg/kg), for 1 hour per day (0.04), 250 days per year (0.68) and other data according to Table B-17, Equation 15 becomes:

$$\begin{aligned}
 I_{d,\text{Chloroform,infant}} &= \frac{2.0 \times 10^{-3} \text{ mg/kg} \times 5 \text{ m}^3/\text{d} \times 10^{-6} \text{ kg/mg} \times 0.68 \times 0.04 \times 0.3 \text{ mg/m}^3 \times 0.2}{10 \text{ kg body wt}} \\
 &= 1.63 \times 10^{-12} \text{ mg/(kg body wt.d)}
 \end{aligned}$$

The calculated intake rates for the inhalation of contaminated soil and dust for each age group are shown in Table B-19.

8.3 Hazard Index for Subchronic Exposures

The Hazard Index for subchronic exposures has been developed by the U.S. EPA to assess the overall potential for noncarcinogenic effects from subchronic exposure (portion of a lifetime) to multiple contaminants. This index is not a mathematical prediction of incidence or severity of effects. It is simply a numerical index to help identify potential exposure problems.

The Subchronic Reference Doses by the inhalation exposure route for each of the potential contaminants of concern is taken from U.S. EPA (1992) and (1990), and are shown in Tables B-18 and B-19. The Subchronic Hazard Index for all contaminants i is:

$$S_{HI} = \sum_i (S_{DE,i} / R_{DS,i}) \quad (16)$$

Where:

S_{HI} = Hazard Index for subchronic exposures

$S_{DE,i}$ = Subchronic dose estimate for contaminant i , mg/(kg body wt.d)

$R_{DS,i}$ = Subchronic Reference Dose for contaminant i (noncarcinogenic effects), mg/(kg body wt.d)

Results from Equation 16 are shown in Table B-18, using the highest outdoor vapor inhalation dose estimate. For the particulate inhalation exposure route, the highest subchronic particulate inhalation Hazard Index is shown in Table B-19. When S_{HI} is less than 1, there is probably no subchronic health hazard from the exposure routes analyzed (U.S. EPA, 1989). Tables B-18 and B-19 show Hazard Indices of less than 1.

The Hazard Index for subchronic inhalation of indoor vapors was not calculated because of the planned use of the site as a paved parking area.

8.4 Ingestion of Contaminated Soil

For the soil ingestion pathway to man, the majority of exposure to contaminants occurs during childhood. Children are at greater risk of exposure to contaminants in soil because of their tendency to play in and ingest soil.

For visitors and workers at the site, the intake rate of contaminant i per day per kilogram of body weight for each age group j , I_{ij} is represented by the following equation (U.S. EPA, 1989, Exhibit 6-14).

$$I_{ij} = C_i I_{rj} c_f E_F F_j / B_j \quad (17)$$

Where:

I_{ij} = Intake rate of contaminant i in the body for age group j , mg/(kg body wt.d)

C_i = Concentration of contaminant i in the soil, mg/kg soil

- $I_{r,j}$ = Ingestion rate of soil per day for age group j, mg soil/d
 c_r = Conversion factor, 10^{-6} kg soil/mg soil
 E_F = Exposure frequency or fraction of year age group is exposed
 F_j = Exposure time or fraction of day age group j is exposed
 B_j = Body weight for age group j, kg

For an infant of 10 kg body weight, ingestion rate 200 mg soil/d, exposed to contaminated soil for 1 hour per day (0.04), 250 days per year (0.68), with a Chloroform soil concentration of 2.0×10^{-3} mg/kg, Equation 17 becomes:

$$\begin{aligned}
 I_{\text{Chloroform, infant}} &= \frac{2.0 \times 10^{-3} \text{ mg/kg} \times 200 \text{ mg soil/d} \times 10^{-6} \text{ kg/mg} \times 0.68 \times 0.04}{10 \text{ kg body wt}} \\
 &= 1.09 \times 10^{-9} \text{ mg/(kg body wt.d)}
 \end{aligned}$$

The calculated subchronic exposure levels for ingestion of contaminated soil for each age group are presented in Table B-20.

The Hazard Index for subchronic ingestion of contaminated soil was calculated using Equation 16. Results are shown in Table B-20. The Hazard Index is less than 1.0 for all contaminants, so there is probably no health hazard to workers and visitors to the site from the ingestion of contaminated soil.

8.5 Subchronic Noncarcinogenic Effects from Inhalation and Ingestion Exposures

The total Hazard Index for subchronic exposures is calculated by combining the outdoor and particulate inhalation Hazard Indices together with the subchronic oral Hazard Index. The total Hazard Index for all contaminants is presented in Table B-21. It can be seen that the total Hazard Index is approximately three orders of magnitude lower than 1. This means that there will be no health hazard to workers and visitors from subchronic exposure to site soil and soil vapor.

9.0 U.S. EPA EXPOSURE PATHWAY ANALYSES FOR CARCINOGENIC EFFECTS - COMMERCIAL LAND USE

The U.S. EPA approach for carcinogens is based on the assumption that a high dose received over a short period of time is equivalent to a corresponding low dose spread over a lifetime. The Carcinogenic Risk to workers and visitors to the site from soil and soil vapor contaminants will be calculated for subchronic exposures.

9.1 Inhalation of Contaminated Air

For the inhalation of contaminated air over a lifetime (70 years), the time weighted average intake rate of contaminant *i* per day, per kilogram of body weight for each age group *j*, is calculated using Equation 8:

For an infant of 10 kg body weight, inhalation rate of 5 m³/d (Table B-17), exposure duration of 2 years, total lifetime 70 years, breathing contaminated air with a Chloroform concentration of 7.35×10^{-6} µg/m³ for 1 hour per day (0.07), 250 days per year (0.68), Equation 8 becomes:

$$I_{c, \text{Chloroform, infant}} = \frac{7.35 \times 10^{-6} \text{ } \mu\text{g/m}^3 \times 10^{-3} \text{ mg/} \mu\text{g} \times 5 \text{ m}^3/\text{d} \times 0.04 \times 0.68 \times 2 \text{ yr}}{10 \text{ kg body wt.} \times 70 \text{ yr}}$$

$$= 2.85 \times 10^{-12} \text{ mg/(kg body wt.d)}$$

The calculated subchronic intake rates from the inhalation of outdoor vapors for each age group over a 70 year lifetime are presented in Table B-22.

9.2 Inhalation of Contaminated Soil and Dust

For inhalation of contaminated soil and dust over a lifetime of 70 years, the intake rate of contaminant *i* per day, per kilogram of body weight for each age group *j*, is calculated using Equation 9:

For an infant of 10 kg breathing air containing Chloroform contaminated dust (2.0×10^{-3} mg/kg), with a dust loading of 0.3 mg dust/m³ air, 20 percent of the dust respirable, and other data according to Table B-17, Equation 9 becomes:

$$\begin{aligned}
 I_{i,\text{Chloroform,infant}} &= \frac{2.0 \times 10^{-3} \text{ mg/kg} \times 5 \text{ m}^3/\text{d} \times 10^{-6} \text{ kg/mg} \times 0.04 \times 0.68 \times 0.3 \times 0.2 \times 2 \text{ yr}}{10 \text{ kg body wt.} \times 70 \text{ yr}} \\
 &= 4.66 \times 10^{-14} \text{ mg/(kg body wt.d)}
 \end{aligned}$$

The calculated subchronic intake rates from the inhalation of contaminated soil and dust for each age group and a 70 year lifetime are presented in Table B-23.

9.3 Cancer Risk from Subchronic Exposures

The Carcinogenic Risk from subchronic exposures is calculated similarly to those for chronic exposure, using Equation 12. Results from Equation 12 are shown in Table B-22, using the outdoor inhalation dose estimate (Chronic Daily Intake Rate). Table B-22 shows risk probabilities of less than 1 in 1,000,000, showing no significant risk to human health.

Results from Equation 12 are also shown in Table B-23, using the particulate inhalation dose estimate. Again the risk probabilities are less than 1 in 1,000,000, showing no significant risk to human health.

9.4 Ingestion of Contaminated Soil

For chronic exposure to contaminants, the time weighted average intake rate of contaminant *i* per day, per kilogram of body weight for each age group *j*, is calculated using Equation 11:

For an infant of 10 kg body weight, ingestion rate 200 mg soil/day, exposed to contaminated soil with a Chloroform concentration in soil of 2.0×10^{-3} mg/kg, and other parameter values as shown in Table B-17, Equation 11 becomes:

$$\begin{aligned}
 I_{w,\text{Chloroform,infant}} &= \frac{2.0 \times 10^{-3} \text{ mg/kg} \times 200 \text{ mg soil/d} \times 10^{-6} \text{ kg/mg} \times 0.04 \times 0.68 \times 2 \text{ yr}}{10 \text{ kg body wt.} \times 70 \text{ yr}} \\
 &= 3.11 \times 10^{-11} \text{ mg/(kg body wt.d)}
 \end{aligned}$$

The calculated subchronic exposure levels for ingestion of contaminated soil for each age group and over a 70 year lifetime, are presented in Table B-24.

The Carcinogenic Risk from the subchronic ingestion of contaminated soil was calculated using Equation 12. Results are shown in Table B-24. The Carcinogenic Risk is clearly less than 1 in 1,000,000, showing no significant risk to human health.

9.5 Carcinogenic Effects from Inhalation and Ingestion Exposures

The total Carcinogenic Risk from inhalation and ingestion exposures is the sum of the Carcinogenic Risks from outdoor inhalation, particulate inhalation, and soil ingestion. The Carcinogenic Risk summed over these exposure routes is shown in Table B-25. It can be seen that the risk level of 1 in 1,000,000 is never exceeded, and consequently that there is no significant risk to human health from the commercial use of the site as a paved parking area.

10.0 U.S. EPA RISK BASED PRELIMINARY REMEDIATION GOALS - COMMERCIAL LAND USE

From inspection of the Hazard Indices calculated in Tables B-18 to B-21, it can be seen that for every chemical and exposure route, and for the sum of all chemicals and exposure routes, the Hazard Index is clearly less than 1. This indicates that the preliminary remediation goals for noncarcinogenic effects from use of the site as a paved parking area, have been satisfied without remediation of contaminants in site soil and soil vapor.

From inspection of the Carcinogenic Risks calculated in Tables B-22 to B-25, it can be seen that for every chemical, and exposure route, and for the sum of all chemicals and exposure routes, the Carcinogenic Risk is less than 1 in 1,000,000. This indicates that the preliminary remediation goals for carcinogenic effects from use of the site as a paved parking area, have been satisfied without remediation of contaminants in site soil and soil vapor.

TABLE 8-1

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CALCULATION OF EMISSION RATE

DUE TO SOIL CONTAMINATION

Chemical of Potential Concern	Maximum Concentration in Soil W_{si} (mg/kg)	Formula	C	H	O	N	S	F	Cl	Br	I	Ring	Formula Weight M_f (g/mole)	Diffusion Volume (V_f)	Diffusion Coefficient D_{fr} (cm ² /s)	Depth of Soil Cover L_f (cm)	Saturation Concentration at 20° C C_{si} (g/cm ³)	Surface Area A (cm ²)	Emission Rate Contaminant Q_f (g/s)
Carcinogens																			
Chloroform	2,00E-03	CHCl ₃	1	1					3				119.38	81.21	0.007	2316.48	1.05E-03	2.92E+07	4.60E-10
Dibromochloromethane	2,00E-03	CHBr ₂ Cl	1	1					1	2			208.28	83.01	0.002	1402.06	8.67E-04	2.92E+07	8.34E-10
1,1-Dichloroethane	3,00E-04	C ₂ H ₃ Cl ₂	2	4					2				96.96	83.04	0.008	640.06	9.87E-04	2.92E+07	6.33E-10
1,1-Dichloroethane		C ₂ H ₃ Cl ₂	2	4					2				96.96	83.04	0.008		3.50E-04		
1,1-Dichloroethane	1,00E-01	CH ₂ Cl ₂	2	2					2				96.94	78.42	0.080	609.6	2.64E-06	7.30E+06	5.70E-11
1,2-Dichloropropane	2,60E-03	C ₃ H ₄ Cl ₂	3	6					2				112.99	103.50	0.079	3230.86	2.60E-04	7.30E+06	2.41E-11
Methylene Chloride		CH ₂ Cl ₂	1	2					2				84.93	82.52	0.100		1.62E-03		
Tetrachloroethene	1,60E+01	C ₂ Cl ₄	2						4				165.83	113.60	0.073	30.46	1.27E-04	7.30E+06	7.09E-06
1,1,2-Trichloroethane	4,00E-02	C ₂ H ₃ Cl ₃	2	3					3				133.40	101.73	0.078	30.48	1.38E-04	2.92E+07	8.88E-08
Trichloroethene	1,30E-01	C ₂ HCl ₃	2	1					3				131.29	87.11	0.085	1097.28	4.15E-04	3.65E+06	3.31E-09
Toluene	6,40E-03	C ₇ H ₈	7	8									92.14	111.48	0.078	30.48	1.11E-04	2.92E+07	1.07E-08
Developmental Toxin																			
Hepatotoxin	3,10E+01	C ₇ H ₇ Cl ₃	2	3					3				133.40	101.73	0.078	30.48	7.31E-04	7.30E+06	8.51E-05
Pulmonary Toxin		CO ₂ P ₂	1						2	2			120.91	87.30	0.084				

TABLE B-2

02920879-01

CONTAMINANT CONCENTRATIONS IN OUTDOOR AND INDOOR AIR

DUE TO SOIL CONTAMINATION

Chemical of Potential Concern	Outdoor Air Concentration Due to Soil C_{OJ} ($\mu\text{g}/\text{m}^3$)	Indoor Air Concentration Due to Soil C_{IJ} ($\mu\text{g}/\text{m}^3$)	Applied Action Level AAL_{IJ} ($\mu\text{g}/\text{m}^3$)	No Significant Risk Concentration ($\mu\text{g}/\text{m}^3$)	Ratio for Test 1 Outdoor Air C_{OJ}/AAL_{IJ}	Significant Risk > 10	Ratio for Test 1 Indoor Air C_{IJ}/AAL_{IJ}	Significant Risk > 10
Carcinogens								
Chloroform	7.35E-06	4.96E-04	0.8	--	1.22E-05	No	8.26E-04	No
Dibromodichloromethane	1.33E-05	8.90E-04	--	0.25	5.32E-05	No	3.89E-03	No
1,1-Dichloroethane	1.01E-05	8.82E-04	--	5.00	2.02E-06	No	1.04E-04	No
1,2-Dichloroethane			--	0.50				
1,1-Dichloroethene	8.10E-07	2.46E-04	--	--				
1,2-Dichloropropane	3.85E-07	1.04E-04	--	--				
Methylene Chloride			--	10.00				
Tetrachloroethane	1.13E-01	3.08E+01	--	0.70	1.42E-01	No	4.34E+01	Yes
1,1,2-Trichloroethane	1.43E-03	9.60E-02	--	0.50	2.86E-03	No	1.93E-01	No
Trichloroethene	5.28E-05	2.85E-02	7	--	7.58E-06	No	4.08E-03	No
Toluene	1.70E-04	1.15E-02	200	--	6.51E-07	No	5.74E-05	No
Developmental Toxin								
Hepatotoxin	1.06E+00	3.68E+02	300	--	4.55E-03	No	1.22E+00	Yes
Pulmonary Toxin								
Dichlorodifluoromethane			--	--				

TABLE B-3

02920879-01

CALCULATION OF EMISSION RATE

DUE TO SOIL VAPOR CONTAMINATION

Chemical of Potential Concern	Maximum Concentration in Soil Vapor W_{sv} (mg/L)	Formula	C	H	O	N	S	F	Cl	Br	I	Ring	Formula Weight (g/mole)	Diffusion Volume (L ³)	Diffusion Coefficient D_{10} (cm ² /s)	Depth of Soil Cover L (cm)	Saturation Concentration at 20°C C_u (g/cm ³)	Surface Area A (cm ²)	Emission Rate Contaminant I Q_i (g/s)
Carcinogens																			
Chloroform	3.40E-04	CHCl ₃	1	1					3				119.38	81.21	8.66E-02	304.8	1.05E-03	2.92E+07	3.06E-10
Dichlorodifluoromethane		CHCl ₂ F ₂	1	1					1	2			200.26	83.51	8.22E-02		8.67E-04		
1,1-Dichloroethane		C ₂ H ₃ Cl ₂	2	4					2				96.96	83.04	8.75E-02	782.5	9.87E-04		
1,2-Dichloroethane	7.60E-02	C ₂ H ₄ Cl ₂	2	4					2				98.96	83.04	8.75E-02	304.8	3.50E-04	2.92E+07	7.15E-06
1,1-Dichloroethene	5.70E+00	CH ₂ Cl ₂	2	2					2				96.94	78.42	8.98E-02	762.0	2.64E-06	7.30E+06	5.56E-07
1,2-Dichloropropene		C ₃ H ₃ Cl ₂	3	5					2				112.99	103.55	7.87E-02		2.60E-04		
Methylene Chloride	4.38E-01	CH ₂ Cl ₂	1	2					2				84.83	62.52	8.95E-02	731.5	1.62E-03	7.30E+06	4.78E-06
Tetrachloroethene	7.70E-01	C ₂ Cl ₄	2						4				165.83	115.80	7.26E-02	1524.0	1.27E-04	7.30E+06	2.93E-06
1,1,2-Trichloroethane		C ₂ H ₃ Cl ₃	2	3					3				133.40	101.73	7.81E-02		1.39E-04		
Trichloroethene		C ₂ HCl ₃	2	1					3				131.39	97.11	7.97E-02	762.0	4.15E-04	7.30E+06	1.50E-07
Toluene	1.80E+00	C ₇ H ₈	7	8									92.14	111.48	7.80E-02	152.4	1.11E-04		
Developmental Toxin																			
Hepatotoxin																			
1,1,1-Trichloroethane	1.87E+01	C ₂ H ₃ Cl ₃	2	3					3				133.40	101.73	7.81E-02	762.0	7.31E-04	7.30E+06	1.53E-06
Pulmonary Toxin																			
Dichlorodifluoroethane	1.50E-01	CH ₂ F ₂	1						2	2			120.91	87.30	8.40E-02	457.2	0.00E+00	2.92E+07	8.80E-06

TABLE B-4

02920879-01

CONTAMINANT CONCENTRATIONS IN OUTDOOR AND INDOOR AIR

DUE TO SOIL VAPOR CONTAMINATION

Chemical of Potential Concern	Outdoor Air Concentration Due to Soil Vapor C_{O_1} ($\mu\text{g}/\text{m}^3$)	Indoor Air Concentration C_{I_1} ($\mu\text{g}/\text{m}^3$)	Applied Action Level AAL_{A_1} ($\mu\text{g}/\text{m}^3$)	No Significant Risk Concentration ($\mu\text{g}/\text{m}^3$)	Ratio for Test 1 Outdoor Air C_{O_1}/AAL_{A_1}	Significant Risk to Health > 1.0	Ratio for Test 1 Indoor Air C_{I_1}/AAL_{A_1}	Significant Risk to Health > 1.0
Carcinogens								
Chloroform	4.82E-08	3.32E-04	0.6	0.6	8.20E-06	No	5.54E-04	No
Dibromochloromethane			--	0.25				
1,1-Dichloroethane			--	5.00				
1,2-Dichloroethane	1.14E-03	7.70E-02	--	0.50	2.28E-03	No	1.54E-01	No
1,1-Dichloroethene	8.56E-03	2.31E+00	--	--				
1,2-Dichloropropane			--	--				
Methylene Chloride	7.82E-04	2.06E-01	--	10.00	7.82E-05	No	2.06E-02	No
Tetrachloroethene	4.87E-04	1.26E-01	--	0.70	6.47E-04	No	1.80E-01	No
1,1,2-Trichloroethane			--	0.50				
Trichloroethene	2.40E-03	6.47E-01	7	7	3.43E-04	No	9.25E-02	No
Developmental Toxin			200	200				
Toluene			--	--				
Hepatotoxin			300	300				
1,1,1-Trichloroethane	2.44E-02	6.59E+00	--	--	8.13E-05	No	2.20E-02	No
Pulmonary Toxin			--	--				
Dichlorodifluoromethane	1.40E-03	9.47E-02	--	--				

TABLE B-5

02920879-01

RISK APPRAISAL TEST 3

FOR OUTDOOR AND INDOOR AIR

Chemical of Potential Concern	Highest Concentration in Outdoor Air C_{out} ($\mu\text{g}/\text{m}^3$)	Highest Concentration in Indoor Air C_{in} ($\mu\text{g}/\text{m}^3$)	Ratio for Test 1		Ratio for Test 3		Sum of Ratios for Tests Outdoor Air	Exposition Risk to Health Yes No	Sum of Ratios for Tests Indoor Air	Significant Risk to Health Yes No
			C_{out}/C_{in}	C_{out}/C_{in}	C_{out}/C_{in}	C_{out}/C_{in}				
Carcinogens	Chlorine	$7.35\text{E}-04$	$4.26\text{E}-04$	$1.32\text{E}-05$	$9.29\text{E}-04$					
	Dibenzodioxins/dibenzofurans	$1.33\text{E}-05$	$9.93\text{E}-04$	$5.32\text{E}-05$	$3.90\text{E}-03$					
	1,1-Dichloroethene	$1.01\text{E}-05$	$9.82\text{E}-04$	$2.02\text{E}-04$	$1.34\text{E}-04$					
	1,2-Dichloroethene	$1.74\text{E}-03$	$7.70\text{E}-02$	$2.26\text{E}-03$	$1.81\text{E}-01$					
	1,1-Dichloroethane	$8.34\text{E}-03$	$1.31\text{E}+00$							
	1,2-Dichloropropane	$3.89\text{E}-07$	$1.04\text{E}-04$							
	Methylene Chloride	$7.82\text{E}-04$	$2.70\text{E}-01$	$7.62\text{E}-05$	$2.06\text{E}-02$					
	Tetrachloroethene	$1.12\text{E}-01$	$3.04\text{E}+01$	$1.82\text{E}-01$	$4.39\text{E}+01$					
	1,1,1-Trichloroethene	$1.43\text{E}-03$	$9.80\text{E}-02$	$6.46\text{E}-03$	$1.93\text{E}-01$					
	Trichloroethene	$2.40\text{E}-03$	$8.47\text{E}-01$	$3.43\text{E}-04$	$9.32\text{E}-02$	Total Carcinogens	$1.81\text{E}-01$	Yes	$4.41\text{E}+01$	Yes
	Trioxane	$1.70\text{E}-04$	$1.19\text{E}+02$	$8.91\text{E}-07$	$5.74\text{E}-05$	Total Developmental Toxins	$8.91\text{E}-07$	No	$5.74\text{E}-05$	No
	1,3,1-Trichloroethane	$1.34\text{E}+00$	$1.34\text{E}+02$	$4.34\text{E}-03$	$1.22\text{E}+02$	Total Hepatocarcinogens	$4.59\text{E}-03$	No	$1.22\text{E}+02$	Yes
	Dibenzodioxins/dibenzofurans	$1.40\text{E}-03$	$9.47\text{E}-02$							

TABLE B-6
STANDARD PARAMETER VALUES
USED IN RISK ASSESSMENT

Residential Land Use

Parameter	Infant 0-2 years	Child 2-6 years	Adult	Reference
Body Weight B_j (kg)	10	16	70	(U.S. EPA, 1989)
Ingestion Rate $I_{r,j}$ (mg soil/d)	200	200	100	(U.S. EPA, 1991)
Inhalation Rate Outdoor $I_{h,j}$ (m^3 air/d)	5	5	20	(U.S. EPA, 1989)
Inhalation Rate Indoor $I_{hi,j}$ (m^3 air/d)	5	5	15	(U.S. EPA, 1991)
Maximum Exposure Duration for Residents $E_{D,j}$ (yr)	2	4	24	(U.S. EPA, 1991)
Exposure Time Breathing Outdoor Air (fraction of day) F_j	0.17	0.17	0.17	(Outdoors 4 hours per day)
Exposure Time Breathing Indoor Air (fraction of day) F_j	0.83	0.83	0.83	(Indoors 20 hours per day)
Exposure Frequency as Fraction of Year E_F	0.96	0.96	0.96	(350 days per year)

HAZARD INDEX FOR CHRONIC EXPOSURES

OUTDOOR VAPOR INHALATION

[illegible]

HAZARD INDEX FOR CHRONIC EXPOSURES

PARTICULATE INHALATION

Chemical of Potential Concern	Maximum Concentration in Soil W_{10} (mg/kg)	Resident				Chronic Reference Dose Inhalation (mg/kg.d)	Chronic Particulate Inhalation Index	Hazard Index
		0-2 years	2-6 years	>6 years	30-Year Average			
Carcinogens								
Chloroform	2.00E-03	6.53E-13	8.16E-13	4.48E-12	6.95E-12	ND		
Dichloro monochlorobenzene	2.80E-03	9.14E-13	1.11E-12	8.27E-12	8.32E-12	ND		
1,1-Dichloroethane	8.00E-04	2.61E-13	3.26E-13	1.79E-12	2.38E-12	1.00E-01	2.38E-11	
1,2-Dichloroethane	1.00E-01	3.28E-11	4.06E-11	2.24E-10	2.97E-10	ND		
1,1-Dichloroethylene	2.60E-03	8.45E-13	1.09E-12	5.62E-12	7.73E-12	ND		
1,2-Dichloropropane								
Methylene Chloride						9.00E-01		
Tetrachlorobenzene	1.80E+01	5.22E-09	6.51E-09	3.58E-08	4.78E-08	ND		
1,1,2-Trichloroethane	4.30E-02	1.40E-11	1.75E-11	9.62E-11	1.28E-10	ND		
Trichlorobenzene	1.50E-01	4.80E-11	6.12E-11	3.38E-10	4.48E-10	ND		
Developmental Toxin								
Toluene	8.40E-03	2.09E-12	2.81E-12	1.43E-11	1.90E-11	6.00E-01	3.17E-11	ND
Hepatotoxin								
1,1,1-Trichloroethane	3.10E+01	1.01E-08	1.26E-08	6.94E-08	9.21E-08	3.00E-01	3.07E-07	ND
Pulmonary Toxin								
Dichlorodifluorobenzene						5.00E-02		

HAZARD INDEX FOR CHRONIC EXPOSURES

INDOOR VAPOR INHALATION

Chemical of Potential Concern	Highest Estimated Indoor Air Concentration C_{ij} ($\mu\text{g}/\text{m}^3$)	Indoor Vapor Inhalation Dose Estimate ($\text{mg}/(\text{kg}\cdot\text{d})$)				Chronic Reference Dose Inhalation ($\text{mg}/(\text{kg}\cdot\text{d})$)	Indoor Vapor Hazard Index	Hazard
		0-2 years	2-8 years	>8 years	30 years Average Time			
Carcinogens								
Chloroform	4.96E-04	1.32E-06	1.65E-06	2.82E-09	3.24E-06	ND		
Dichloromethane/benzene	8.98E-04	2.39E-06	2.90E-06	5.11E-09	5.89E-06	ND		
1,1-Dichloroethane	8.92E-04	1.81E-06	2.26E-06	3.86E-09	4.46E-06	1.00E-01	4.46E-07	NC
1,2-Dichloroethane	7.70E-02	2.05E-06	2.56E-06	4.36E-07	5.04E-06	ND		
1,1-Dichloroethene	2.31E+00	6.13E-06	7.87E-06	1.31E-05	1.51E-04	ND		
1,2-Dichloropropane	1.04E-04	2.78E-09	3.46E-09	5.82E-10	6.81E-09	ND		
Methylene Chloride	2.06E-01	5.48E-06	6.83E-06	1.17E-08	1.35E-05	9.00E-01	1.50E-05	NC
Tetrachloroethene	3.06E+01	8.12E-04	1.01E-03	1.74E-04	2.00E-03	ND		
1,1,2-Trichloroethane	9.68E-02	2.57E-06	3.21E-06	5.50E-07	6.33E-06	ND		
Trichloroethene	6.47E-01	1.72E-05	2.15E-05	3.80E-06	4.24E-05	ND		
Developmental Toxin								
Toluene	1.15E-02	3.05E-07	3.81E-07	6.54E-08	7.52E-07	6.00E-01	1.25E-06	NC
Hepatotoxin								
1,1,1-Trichloroethane	3.68E+02	9.73E-03	1.22E-02	2.09E-03	2.40E-02	3.00E-01	7.99E-02	NC
Pulmonary Toxin								
Dichlorodifluoromethane	9.47E-02	2.52E-06	3.14E-06	5.39E-07	6.20E-06	5.00E-02	1.24E-04	NC
							8.01E-02	NC

Indoor Inhalation Hazard Index:

TABLE B-10

HAZARD INDEX FOR CHRONIC EXPOSURES

INGESTION

Chemical of Potential Concern	Maximum Concentration in Soil $W_{1,1}$ (mg/kg)	Resident Ingestion Dose Estimate (mg/(kg.d))				Chronic Reference Dose Ingestion (mg/(kg.d))	Particulate Ingestion Hazard Index	Hazard >1.0
		0-2 years	2-6 years	5-8 years	30+ Year Average Time			
Carcinogens	Chloroform	2.00E-03	4.35E-10	5.44E-10	3.73E-10	1.35E-09	1.35E-07	No
	Dichlorodifluoromethane	2.40E-03	6.05E-10	7.82E-10	5.22E-10	1.89E-09	9.47E-08	No
	1,1-Dichloroethane	8.00E-04	1.74E-10	2.18E-10	5.48E-10	5.41E-10	5.41E-09	No
	1,1-Dichloroethene							
	1,1-Dichloroethene	1.00E-01	2.18E-06	2.74E-06	1.47E-06	6.76E-06	7.51E-06	No
	1,2-Dichloropropane	2.60E-03	5.68E-10	7.07E-10	4.85E-10	1.78E-09	ND	
	Methylene Chloride							
Developmental Toxin	Tetrachloroethene	1.40E+01	3.40E-06	4.35E-06	2.98E-06	1.08E-05	1.08E-03	No
	1,1,1-Trichloroethane	4.30E-02	9.30E-09	1.17E-08	6.02E-09	2.91E-08	4.00E-03	No
	Trichloroethene	1.30E-01	3.28E-09	4.08E-08	2.80E-08	1.01E-07	ND	
	Toluene	4.40E-03	1.39E-09	1.74E-09	1.19E-09	4.39E-09	2.00E-01	No
Hepatotoxin	1,1,1-Trichloroethane	3.10E+01	8.75E-06	8.43E-06	5.76E-06	2.10E-06	9.00E-02	No
							2.33E-04	
Pulmonary Toxin	Dichlorodifluoromethane					2.00E-01	1.35E-03	No

U.S. EPA EXPOSURE PATHWAY ANALYSIS FOR CARCINOGENIC EFFECTS

OUTDOOR VAPOR INHALATION, RESIDENTIAL

Chemical of Potential Concern	Highest Estimated Outdoor Air Concentration $C_{o,i}$ ($\mu\text{g}/\text{m}^3$)	Outdoor Vapor Inhalation Dose Estimate			Cancer Potency Factor Inhalation ($\text{mg}/(\text{kg}\cdot\text{d})^{-1}$)	Risk Probability Inhalation of Outdoor Vapors	Risk $> 10^{-6}$
		0-2 years	2-6 years	70 yr Lifetime			
Chloroform	$7.35\text{E}-06$	$1.31\text{E}-11$	$2.14\text{E}-11$	$1.17\text{E}-10$	$8.10\text{E}-02$	$1.26\text{E}-11$	No
Dibromochloromethane	$1.33\text{E}-05$	$3.10\text{E}-11$	$3.89\text{E}-11$	$2.13\text{E}-10$	ND		
1,1-Dichloroethane	$1.01\text{E}-05$	$2.36\text{E}-11$	$2.94\text{E}-11$	$1.62\text{E}-10$	ND		
1,2-Dichloroethane	$1.14\text{E}-03$	$2.66\text{E}-09$	$3.33\text{E}-09$	$1.82\text{E}-08$	$9.10\text{E}-02$	$2.21\text{E}-09$	No
1,1-Dichloroethane	$8.56\text{E}-03$	$2.00\text{E}-09$	$2.49\text{E}-09$	$1.37\text{E}-07$	$1.20\text{E}+00$	$2.16\text{E}-07$	No
1,2-Dichloropropane	$3.85\text{E}-07$	$5.90\text{E}-13$	$1.12\text{E}-12$	$6.16\text{E}-12$	ND		
Methylene Chloride	$7.62\text{E}-04$	$1.76\text{E}-09$	$2.22\text{E}-09$	$1.22\text{E}-08$	$1.40\text{E}-02$	$2.27\text{E}-10$	No
Tetrachloroethane	$1.13\text{E}-01$	$2.64\text{E}-07$	$3.90\text{E}-07$	$1.81\text{E}-06$	$1.70\text{E}-03$	$4.09\text{E}-09$	No
1,1,1-Trichloroethane	$1.43\text{E}-03$	$3.34\text{E}-09$	$4.17\text{E}-09$	$2.29\text{E}-08$	$5.70\text{E}-02$	$1.73\text{E}-09$	No
Trichloroethane	$2.40\text{E}-03$	$5.55\text{E}-09$	$6.96\text{E}-09$	$3.83\text{E}-08$	$1.70\text{E}-02$	$8.66\text{E}-10$	No
Sum of Carcinogenic Risks:							$2.27\text{E}-07$

TABLE B-13

02920879-01

U.S. EPA EXPOSURE PATHWAY ANALYSIS FOR CARCINOGENIC EFFECTS

PARTICULATE INHALATION, RESIDENTIAL

Chemical of Potential Concern	Maximum Concentration in Soil W_{10} (mg/kg)	Chronic Particulate Inhalation Dose Estimates				Cancer Potency EPA Group	Cancer Potency Factor Inhalation $(\text{mg}/(\text{kg}\cdot\text{d}))^{-1}$	Risk Probability Inhalation of Particulates	Risk $> 10^{-6}$
		0-2 years	2-6 years	>6 years	70 yr Lifetime				
Carcinogens Chloroform Dibromochloromethane 1,1-Dichloroethane 1,1-Dichloroethene 1,1-Dichloroethane 1,1-Dichloropropene Methylene Chloride Tetrachloroethene 1,1,2-Trichloroethane Trichloroethene	2.00E-03	2.80E-13	3.50E-13	1.02E-12	2.55E-12	B2	8.10E-02	2.06E-13	No
	2.80E-03	3.92E-13	4.90E-13	2.69E-12	3.57E-12	C	ND		
	8.00E-04	1.12E-13	1.40E-13	7.67E-13	1.02E-12	C	ND		
	1.00E-01	1.40E-11	1.75E-11	9.59E-11	1.27E-10	B2	9.10E-02		
	2.60E-03	3.64E-13	4.55E-13	2.49E-12	3.31E-12	C	1.20E+00	1.53E-10	No
	1.60E+01	2.24E-09	2.80E-09	1.53E-08	2.04E-08	B2	1.40E-02		
	4.30E-02	6.02E-12	7.52E-12	4.12E-11	5.48E-11	B2	1.70E-03	3.47E-11	No
	1.50E-01	2.10E-11	2.62E-11	1.44E-10	1.91E-10	C	5.70E-02	3.12E-12	No
						B2	1.70E-02	3.25E-12	No
						Sum of Carcinogenic Risks:		1.94E-10	No

U.S. EPA EXPOSURE PATHWAY ANALYSIS FOR CARCINOGENIC EFFECTS

INDOOR VAPOR INHALATION, RESIDENTIAL

Chemical of Potential Concern	Highest Estimated Indoor Air Concentration $C_{0.1}$ ($\mu\text{g}/\text{m}^3$)	Indoor Vapor Inhalation Dose Estimates			Cancer Potency Factor EPA Group	Cancer Potency Inhalation ($\text{mg}/(\text{kg}\cdot\text{d})^{-1}$)	Risk Probability Inhalation of Indoor Vapors >10 ⁻⁶
		0-2 years	2-6 years	>6 years Lifetime ($\text{mg}/(\text{kg}\cdot\text{d})$)			
Chloroform	4.86E-04	5.64E-09	7.05E-09	2.90E-08	B2	8.10E-02	3.38E-08
Dibromochloromethane	8.98E-04	1.02E-08	1.28E-08	5.26E-08	C	ND	
1,1-Dichloroethane	0.82E-04	7.76E-09	9.70E-09	3.99E-08	C	ND	
1,2-Dichloroethane	7.70E-02	8.77E-07	1.10E-06	4.51E-06	B2	9.10E-02	6.90E-07
1,1-Dichlorobenzene	2.31E+00	2.63E-05	3.29E-05	1.35E-04	C	1.20E+00	2.33E-04
1,2-Dichloropropane	1.04E-04	1.18E-09	1.48E-09	6.08E-09	B2	ND	
Methylene Chloride	2.08E-01	2.34E-09	2.93E-09	1.20E-05	B2	1.40E-02	2.42E-07
Tetrachloroethene	3.08E+01	3.48E-04	4.35E-04	1.79E-03	B2	1.70E-03	4.37E-08
1,1,1-Trichloroethane	9.68E-02	1.10E-05	1.38E-05	5.86E-06	C	5.70E-02	4.84E-07
Trichloroethane	6.47E-01	7.37E-05	9.21E-05	3.79E-05	B2	1.70E-02	9.26E-07
Sum of Carcinogenic Risks:						2.40E-04	Yes

U.S. EPA EXPOSURE PATHWAY ANALYSIS FOR CARCINOGENIC EFFECTS

INGESTION, RESIDENTIAL

Chemical of Potential Concern	Maximum Concentration in Soil W_{so} (mg/kg)	Chronic Ingestion Dose Estimate (mg/(kg.d))				Cancer Potency Factor Ingestion (mg/(kg.d)) ⁻¹	Risk Probability Ingestion of Site Soil	Realistic $> 10^{-4}$
		0-2 years	2-8 years	>6 years	70 yr Lifetime			
Carcinogens								
Chloroform	2.00E-03	1.67E-10	2.33E-10	1.80E-10	5.80E-10	6.10E-03	3.54E-12	NO
Dibromochloroethane	2.80E-03	2.61E-10	3.26E-10	2.24E-10	6.11E-10	8.40E-02	6.82E-11	NO
1,1-Dichloroethane	8.00E-04	7.46E-11	9.33E-11	6.39E-11	2.32E-10	ND		
1,1-Dichloroethene						9.10E-02		
1,1-Dichlorobenzene	1.00E-01	5.33E-09	1.17E-08	7.89E-09	2.90E-08	6.00E-01	1.74E-06	NO
1,2-Dichloropropane	2.60E-03	2.42E-10	3.03E-10	2.08E-10	7.63E-10	6.80E-02	5.12E-11	NO
Methylene Chloride						7.50E-03		
Tetrachloroethene	1.60E+01	1.49E-06	1.87E-06	1.28E-06	4.64E-06	5.10E-02	2.36E-07	NO
1,1,1-Trichloroethane	4.30E-02	4.01E-09	5.01E-09	3.44E-09	1.25E-08	5.70E-02	7.10E-10	NO
Trichloroethene	1.50E-01	1.40E-08	1.75E-08	1.20E-08	4.35E-08	1.10E-02	4.78E-10	NO
Sum of Carcinogenic Risks :							2.55E-07	NO

TABLE B-16

02920379-01

U.S. EPA EXPOSURE PATHWAY ANALYSIS FOR CARCINOGENIC EFFECTS

RESIDENTIAL LAND USE

Chemical of Potential Concern	Risk Probability Inhalation of Outdoor Vapo	Risk Probability Inhalation of Indoor Vapors	Risk Probability Inhalation of Particulates	Risk Probability Ingestion of Site Soil	Sum of Risk Probabilities	Risk > 10 ⁻⁶
Carcinogens						
Chloroform	1.26E-11	3.38E-09	2.06E-13	3.5E-12	3.39E-09	No
Dibromochloromethane				6.8E-11	6.82E-11	No
1,1-Dichloroethane						
1,2-Dichloroethane	2.21E-09	5.90E-07			5.92E-07	No
1,1-Dichloroethene	2.18E-07	2.33E-04	1.53E-10	1.7E-08	2.33E-04	Yes
1,2-Dichloropropane				5.1E-11	5.12E-11	No
Methylene Chloride	2.27E-10	2.42E-07			2.43E-07	No
Tetrachloroethene	4.09E-09	4.37E-06	3.47E-11	2.4E-07	4.61E-06	Yes
1,1,2-Trichloroethane	1.73E-09	4.84E-07	3.12E-12	7.1E-10	4.66E-07	No
Trichloroethene	8.66E-10	9.26E-07	3.25E-12	4.8E-10	9.27E-07	No
Total Risk Probability :					2.40E-04	Yes

TABLE B-17
STANDARD PARAMETER VALUES
USED IN RISK ASSESSMENT

Commercial Land Use

Parameter	Infant 0-2 years	Child 2-6 years	Adult	Reference
Body Weight B_j (kg)	10	16	70	(U.S. EPA, 1989)
Ingestion Rate I_{rj} (mg soil/d)	200	200	50	(U.S. EPA, 1991)
Inhalation Rate Outdoor I_{hj} (m^3 air/d)	5	5	20	(U.S. EPA, 1989)
Maximum Exposure Duration for Workers and Visitors E_{Dj} (yr)	2	4	24	(U.S. EPA, 1991)
Exposure Time Breathing Outdoor Air (fraction of day) F_j	0.04 (1 hr/d)	0.04 (1 hr/d)	0.04 (1 hr/d)	(Workers and Visitors)
Exposure Frequency as Fraction of Year E_F	0.68	0.68	0.68	(250 days per year)

HAZARD INDEX FOR SUBCHRONIC EXPOSURES

OUTDOOR VAPOR INHALATION

[illegible]

HAZARD INDEX FOR SUBCHRONIC EXPOSURES

PARTICULATE INHALATION

[illegible]

TABLE B-20

HAZARD INDEX FOR SUBCHRONIC EXPOSURES

INGESTION

[illegible]

TABLE B-21

02920879-01

HAZARD INDEX FOR SUBCHRONIC EXPOSURES

COMMERCIAL LAND USE

Chemical of Potential Concern	Outdoor Vapor Hazard Index	Particulate Inhalation Hazard Index	Particulate Ingestion Hazard Index	Sum of Subchronic Hazard Indexes	Hazard Index
Carcinogens	Chloroform		1.09E-07	1.09E-07	No
	Dibromochloromethane		7.62E-09	7.62E-09	No
	1,1-Dichloroethane	1.37E-10	6.53E-13	4.35E-10	No
	1,2-Dichloroethane				
	1,1-Dichloroethene				
	1,2-Dichloropropane			6.04E-06	No
	Methylene Chloride	1.15E-08		1.15E-08	No
Developmental Toxin	Tetra chloroethene		8.70E-05	8.70E-05	No
	1,1,2-Trichloroethane		5.85E-07	5.85E-07	No
	Trichloroethene				
	Toluene	3.86E-09	8.70E-12	1.74E-09	No
	1,1,1-Trichloroethane	6.15E-06	8.43E-09	1.87E-05	No
	Dichlorodifluoromethane	3.82E-08		3.82E-08	No
	Pulmonary Toxin				
Total Subchronic Hazard Index :				1.19E-04	No

OUTDOOR VAPOR INHALATION, COMMERCIAL

[illegible]

PARTICULATE INHALATION, COMMERCIAL

[illegible]

U.S. EPA EXPOSURE PATHWAY ANALYSIS FOR CARCINOGENIC EFFECTS

INGESTION, COMMERCIAL

[illegible]

TABLE B - 25

02920879-01

U.S. EPA EXPOSURE PATHWAY ANALYSIS FOR CARCINOGENIC EFFECTS

COMMERCIAL LAND USE

Chemical of Potential Concern	Risk Probability Inhalation of Outdoor Vapors	Risk Probability Inhalation of Particulates	Risk Probability Ingestion of Site Soil	Sum of Risk Probabilities	Risk > 10 ⁻⁴
Carcinogens					
Chloroform	2.11E-12	3.44E-14	5.1E-13	2.65E-12	NO
Dibromochloromethane			9.8E-12	9.79E-12	NO
1,1-Dichloroethane	3.68E-10			3.68E-10	NO
1,2-Dichloroethane	3.63E-08	2.55E-11	2.5E-09	3.89E-08	NO
1,1-Dichloroethene			7.4E-12	7.36E-12	NO
1,2-Dichloropropane	3.78E-11			3.78E-11	NO
Methylene Chloride	6.81E-10	5.78E-12	3.4E-08	3.47E-08	NO
Tetrachloroethene	2.89E-10	5.20E-13	1.0E-10	3.91E-10	NO
1,1,2-Trichloroethane	1.44E-10	5.41E-13	6.9E-11	2.14E-10	NO
Trichloroethene					
Total Risk Probability :				7.46E-08	NO

APPENDIX C

Environmental Fate Analysis1.0 INTRODUCTION

An environmental fate analysis was performed in order to determine the impact of the ground water contamination plume beneath the Hyrail and Zero Corporation properties, on the soil and soil vapor concentrations at the Hyrail site. Contaminated ground water is located at between 106 and 116 feet below grade at the Hyrail site. The impact of soil and soil vapor contaminants on the ground water table was also examined.

2.0 CONTAMINANT RELEASE FROM GROUND WATER

Partitioning of a volatile organic chemical can occur at the interface of the saturated and unsaturated zones in the subsurface. It is possible for a dissolved organic contaminant in a polluted aquifer to contaminate the unsaturated zone above it. In the saturated zone, the volatile organic contaminant can move upward by gas-phase diffusion, eventually reaching the soil surface where it volatilizes. Both laboratory and field evidence has shown that air emissions of volatile organics from polluted aquifers can occur. In general, emissions from contaminated aquifers are expected to be relatively insignificant.

2.1 Equilibrium Relationship Between Ground Water and Soil Concentrations

For screening purposes, the highest concentration of contaminants detected in ground water from previous site investigations were compared to the California Maximum Contaminant Levels (MCLs) for those compounds (see Appendix D, Table D-3). Four contaminants, 1,1-Dichloroethene, cis-1,2-Dichloroethene, Tetrachloroethene and Trichloroethene were detected in concentrations exceeding their MCLs.

An estimate of the soil concentration of contaminants in contact and in equilibrium with the ground water concentration of the same contaminants is provided by the distribution coefficient, $K_{D,i}$, as follows:

$$K_{D,i} = C_{s,i}/C_{w,i} = K_{oc,i} f_{oc} \quad (1)$$

Where:

$K_{D,i}$	=	distribution (sorption) coefficient of contaminant i, cm^3/g
$C_{s,i}$	=	concentration of contaminant i in soil, mg/g
$C_{w,i}$	=	concentration of contaminant i in ground water, mg/cm^3
$K_{oc,i}$	=	ground water/organic carbon distribution coefficient, cm^3/g

f_{oc} = fraction of naturally occurring organic carbon in soil

Table C-1 shows the highest detected concentrations of the above four contaminants, their ground water/organic carbon distribution coefficients and their resultant soil concentrations. The equilibrium relationship shows that except for Trichloroethene, the resulting soil concentrations are a few parts per billion ($\mu\text{g/kg}$). The equilibrium soil concentration for Trichloroethene indicates that this contaminant in the ground water could impact the soil beneath the site, and could possibly be responsible for the high concentrations of Trichloroethene detected in soil in Monitoring Well MW-2.

2.2 Equilibrium Relationship Between Ground Water and Soil Vapor Concentrations

An equilibrium relationship also exists between ground water and soil vapor. Contaminants can be released from the ground water and diffuse into the soil vapor and subsequently to the soil surface with the potential to impact residents or workers and visitors to the site.

The maximum soil vapor concentration was calculated using the following equation (CDHS, California Site Mitigation Decision Tree Manual, Paragraph 8.5.2):

$$C_{a,i} = H_i C_{w,i} / RT \quad (2)$$

Where:

$C_{a,i}$	=	soil vapor concentration of contaminant i, mg/L
H_i	=	Henry's Law Constant for contaminant i, atm.L/mol
$C_{w,i}$	=	concentration of contaminant i in ground water, mg/L
R	=	Gas Law constant, = 0.08205 L.atm/(mol.K)
T	=	ambient temperature, K

This calculation is highly conservative in estimating the concentration of contaminants in soil vapor above the contaminated ground water. It does not take into account dispersion or dilution of contaminants. Values of Henry's Law Constant were taken from Montgomery and Welkom, 1989. An ambient soil temperature of 20°C (293 K) was assumed. The concentration of each contaminant in ground water was taken to be the highest concentration detected during ground water sampling in 1991 and 1992 (see Appendix D, Table D-3). These values are shown in Table C-2, together with the calculated values of soil vapor concentration.

Equation 2 shows that except for Trichloroethene, the resulting soil vapor concentrations are a few parts per billion ($\mu\text{g/L}$). The equilibrium soil vapor concentration for Trichloroethene indicates that this contaminant in the ground water could impact the soil vapor beneath the

site by upward diffusion from the water table. Soil gas sampling at the site was mainly conducted at shallow depths. No soil gas samples were collected from depths approaching the ground water table.

3.0 IMPACT OF SOIL AND SOIL VAPOR CONTAMINANTS ON GROUND WATER

Two major areas of contamination exist at the site (see Figure 2), an abandoned drum storage area in the middle of the site, close to Monitoring Well MW-3; and a former chemical storage area in the northern part of the site, close to Monitoring Well MW-6. The location of Monitoring Well MW-2, between these two areas, also showed high levels of Trichloroethene contamination in the soil and ground water.

Soil sampling was conducted at ground water depth for Monitoring Wells MW-2, MW-3, MW-5, and MW-6 (see Appendix D, Table D-1). The only significant contamination detected in the soil was Trichloroethene in MW-2, at depths of between 100 and 120 feet below grade. This is most likely due to ground water contamination, as discussed in Section 2 above, and because of the direction of ground water flow from the adjacent Zero Corporation property. It does not appear that soil contamination at the site has impacted the ground water table.

Because soil vapor concentrations appear to decrease with depth to 75 feet (see Appendix D, Table D-2), and because soil vapor data is lacking at ground water depth, there is no evidence to show that the soil vapor contamination at the site has impacted the ground water table.

4.0 BIOTRANSFORMATION

Biological transformation of chlorinated solvents has been observed in laboratory studies of both artificial systems and systems simulating actual aquifer conditions. In the absence of light and oxygen, anaerobic microorganisms utilize the energy released from oxidation/reduction reactions for cell growth and maintenance. The sequential dehalogenation of PCE follows the general sequence:



Ground water concentrations at the Hyrail site showed that TCE was present in concentrations that were two and three orders of magnitude higher than those of PCE and DCE so the effect of biodegradation of contaminants in the ground water was not observed.

TABLE C-1

Soil Concentrations in Equilibrium with Ground Water at the Hyrail Site

Contaminant i	Well No.	Highest Concentration in Ground Water $C_{w,i}$ (mg/cm ³)	Log $K_{oc,i}$ *	$K_{oc,i}$ (cm ³ /g)	Estimated f_{oc}	Equilibrium Concentration in Soil $C_{s,i}$ (mg/g)	Equilibrium Concentration in Soil (μ g/kg)	Highest Concentration Detected in Soil (μ g/kg)	Sample ID and depth and (ft)
1,1-Dichloroethene	D-26	9.0×10^{-6}	1.81	6.46×10^1	1×10^{-3}	5.81×10^{-7}	5.81×10^{-1}	100	B-26-20
cis-1,2-Dichloroethene	B-26	3.7×10^{-5}	1.81	6.46×10^1	1×10^{-3}	2.39×10^{-6}	2.39	<5	
Tetrachloroethene	B-25	7.0×10^{-6}	2.56	3.65×10^2	1×10^{-3}	2.54×10^{-6}	2.54	1.6×10^4	ACS-1
Trichloroethene	MW-2	6.2×10^{-3}	2.03	1.07×10^2	1×10^{-3}	6.63×10^{-4}	6.63×10^2	2.3×10^2	MW-2-116

* Reference: Montgomery and Welkom (1989)

TABLE C-2

Soil Vapor Concentrations from Ground Water at the Hyrail Site

Contaminant i	Well No.	Highest Concentration in Ground Water C_{wi} (mg/L)	Henry's Law Constant* at 20°C H_i (atm · M ³ /mol)	Calculated Soil Vapor Concentration due to Ground Water C_{gi} (µg/L)	Measured Soil Vapor Concentration (µg/L)	Depth of Measured Soil Vapor Concentration (ft)
1,1-Dichloroethene	D-26	9.0×10^{-3}	2.1×10^{-2}	7.9	5.7×10^3	25
cis-1,2-Dichloroethene	B-26	3.7×10^{-2}	7.2×10^{-3}	1.1×10^1	2.2 (Zero Property)	5
Tetrachloroethene	B-25	7.0×10^{-3}	1.3×10^{-2}	3.8	7.7×10^2	50
Trichloroethene	MW-2	6.2	9.9×10^{-3}	2.6×10^3	1.8×10^3	25

* Reference Montgomery and Welkom (1989)

TABLE D-1 - CHEMICAL ANALYSIS OF SOIL SAMPLES

[illegible]

TABLE D-1 - CHEMICAL ANALYSIS OF SOIL SAMPLES (Cont'd)

Boring No.	Sample Depth (ft)	TPH (mg/kg)	Soil Sampling on the Hyrail Property by Leighton and Associates, Inc., November 15 and 18, 1991 (EPA Method 8240)								1,2-Dichloropropane (µg/kg)	Dibromochloromethane (µg/kg)
			1,1-DCE (µg/kg)	1,1-DCA (µg/kg)	PCE (µg/kg)	1,1,1-TCA (µg/kg)	1,1,2-TCA (µg/kg)	TCE (µg/kg)	Toluene (µg/kg)	Chloroform (µg/kg)		
10-25	20		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
	40		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
	65		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
10-26	20		100	<30	20	1300	<30	<30	<30	<30	<30	<30
	40		<5	<5	<5	5	<5	<5	<5	<5	<5	<5
	60		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Soil Sampling on the Hyrail Property by Hydro Geo Chem, Inc., July 13 to 29, 1992 (EPA Methods 8010 and 418.1)												
NW-2	2.2-5	NA	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND
	5.5-6	NA	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND
	10.5-11	NA	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND
	15.5-16	NA	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND
	20.5-21	NA	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND
	21.5-26	NA	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND
	30.5-31	NA	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND
	35.5-36	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND
	40.5-41	NA	ND	ND	ND	ND	ND	150.0	NA	ND	ND	ND
	45.5-46	NA	ND	ND	ND	ND	ND	7.4	NA	ND	ND	ND
	50.5-51	NA	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND
	55.5-56	NA	ND	ND	ND	ND	ND	42.0	NA	ND	ND	ND
60.5-61	NA	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND
	NA	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND

TABLE D-1 - CHEMICAL ANALYSIS OF SOIL SAMPLES (Cont'd)

Boring No.	Sample Depth (ft)	TPH (mg/kg)	1,1-DCE (µg/kg)	1,1-DCA (µg/kg)	PCE (µg/kg)	1,1,1-TCA (µg/kg)	1,1,2-TCA (µg/kg)	TCE (µg/kg)	Toluene (µg/kg)	Chloroform (µg/kg)	1,2-Dichloropropane (µg/kg)	Dibromochloromethane (µg/kg)
	63.5-66	NA	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND
	70.5-71	NA	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND
	73.5-76	NA	ND	ND	ND	ND	ND	13.0	NA	ND	ND	ND
	80.5-81	NA	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND
	100.5-101	NA	ND	ND	ND	ND	ND	22.0	NA	ND	ND	ND
	103.5-110	NA	ND	ND	ND	ND	ND	80.0	NA	ND	ND	ND
	110.5-111	NA	ND	ND	ND	ND	ND	140.0	NA	ND	ND	ND
	113.5-116	2.1	ND	ND	ND	ND	ND	220.0	NA	ND	ND	ND
	120.5-121	NA	ND	ND	ND	ND	ND	120.0	NA	ND	ND	ND
MW-3	1.5-2	43.0	ND	ND	ND	3.5	ND	ND	NA	ND	ND	ND
	3.5-6	3.2	ND	ND	ND	20.0	ND	ND	NA	ND	ND	ND
	10.5-11	ND	ND	ND	ND	14.0	ND	ND	NA	ND	ND	ND
	20.5-21	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND
	26.5-27	2.1	ND	ND	ND	190.0	ND	ND	NA	ND	ND	ND
	30.5-31	NA	ND	ND	ND	61.0	ND	ND	NA	ND	ND	ND
	33.5-36	NA	ND	ND	ND	46.0	ND	ND	NA	ND	ND	ND
	40.5-41	NA	ND	ND	ND	12.0	ND	ND	NA	ND	ND	ND
	43.5-46	NA	ND	ND	ND	22.0	ND	ND	NA	ND	ND	ND
	50.5-51	NA	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND
	51.5-56	NA	11.0	ND	ND	45.0	ND	ND	NA	ND	ND	ND
	60.5-61	NA	21.0	ND	ND	22.0	ND	ND	NA	ND	ND	ND
	63.5-66	NA	12.0	ND	ND	ND	ND	ND	NA	ND	ND	ND
	70.5-71	NA	9.7	ND	ND	1.1	ND	ND	NA	ND	ND	ND

TABLE D-1 - CHEMICAL ANALYSIS OF SOIL SAMPLES (Cont'd)

Boring No.	Sample Depth (ft)	THH (mg/kg)	1,1-DCE (µg/kg)	1,1-DCA (µg/kg)	PCE (µg/kg)	1,1,1-TCA (µg/kg)	1,1,2-TCA (µg/kg)	TCE (µg/kg)	Toluene (µg/kg)	Chloroform (µg/kg)	1,2-Dichloropropane (µg/kg)	Dibromochloromethane (µg/kg)
	80.5-81	NA	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND
	81.5-86	2.0	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND
	90.5-91	NA	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND
	95.5-96	NA	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND
	100.5-101	NA	ND	ND	ND	LI	ND	ND	NA	ND	ND	ND
	105.5-106	NA	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND
	110.5-111	NA	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND
MW-6	15.5-16	NA	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND
	20.5-21	NA	ND	ND	ND	3.0	ND	ND	NA	ND	ND	ND
	25.5-26	2.1	ND	ND	ND	4.1	ND	ND	NA	ND	ND	ND
	30.5-31	NA	ND	ND	ND	1.6	ND	ND	NA	ND	ND	ND
	35.5-36	NA	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND
	40.5-41	NA	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND
	45.5-46	NA	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND
	50.5-51	NA	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND
	55.5-56	NA	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND
	60.5-61	NA	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND
	65.5-66	NA	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND
	70.5-71	NA	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND
	75.5-76	6.2	ND	ND	52.0	ND	ND	13.0	NA	2.0	ND	ND
	79.5-80	NA	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND
	85.5-86	NA	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND
	90.5-91	NA	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND

TABLE D-1 - CHEMICAL ANALYSIS OF SOIL SAMPLES (Cont'd)

Boring No.	Sample Depth (ft)	TPH (mg/kg)	1,1'-DCE (µg/kg)	1,1-DCA (µg/kg)	PCE (µg/kg)	1,1,1-TCA (µg/kg)	1,1,2-TCA (µg/kg)	TCE (µg/kg)	Toluene (µg/kg)	Chloroform (µg/kg)	1,2-Dichloropropane (µg/kg)	Dibromochloromethane (µg/kg)
	93.5-96	NA	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND
	109.5-101	NA	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND
	103-105.5	NA	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND
	115.5-116	NA	ND	ND	ND	ND	ND	23	NA	ND	ND	ND

NOTES: ND = Not Detected
NA = Not Analyzed

TABLE D-2 - CHEMICAL ANALYSIS OF SOIL GAS SAMPLES

Sample	Sample Depth (ft)	1,1 DCE (µg/L)	1,1,1 TCA (µg/L)	TCE (µg/L)	PCE (µg/L)	Methylene Chloride (µg/L)	Dichlorodifluoro- methane (µg/L)	1,2-DCA (µg/L)	Chloroform (µg/L)
Soil Gas Sampling on the Hyrail Site by Target Environmental Services, Inc., November 13 to 15, 1991									
21	10	<1.0	<0.10	0.14	1.5	<1.0			<0.10
21	24	<1.0	0.11	0.75	1.4	<1.0			<0.10
22	10	<1.0	<0.10	<0.10	1.8	<1.0			<0.10
22	24	<1.0	0.22	0.56	2.6	<1.0			<0.10
23	10	<1.0	<0.10	<0.10	2.8	<1.0			<0.10
23	24	<1.0	<0.10	<0.10	4.6	<1.0			<0.10
24	10	<1.0	<0.10	<0.10	2.3	<1.0			<0.10
24	24	<1.0	<0.10	<0.10	2.9	<1.0			<0.10
25	10	<1.0	<0.10	<0.10	1.3	<1.0			<0.10
26	10	<1.0	0.31	<0.10	1.1	<1.0			<0.10
26	24	3.9	0.64	0.20	1.2	<1.0			<0.10
27	10	<1.0	0.32	<0.10	1.3	<1.0			<0.10
27	24	5.6	0.76	0.26	1.8	<1.0			<0.10
28	10	7.9	1.6	0.30	2.9	<1.0			<0.10
28	24	28	4.2	1.0	5.3	<1.0			<0.10
29	10	4.4	2.5	0.57	3.3	<1.0			<0.10
29	24	17	5.9	1.3	8.9	<1.0			<0.10
30	10	71	467	1.0	28	<1.0			<0.10
30	24	267	18,310	24	79	<1.0			0.15
31	10	8.7	174	0.46	44	<1.0			<0.10
31	24	9.1	31	0.37	50	<1.0			<0.10

TABLE D-2 CHEMICAL ANALYSIS OF SOIL GAS SAMPLES (Cont'd)

Sample	Sample Depth (ft)	1,1 DCE (µg/L)	1,1,1 TCA (µg/L)	TCE (µg/L)	PCE (µg/L)	Methylene Chloride (µg/L)	Dichlorodifluoro- methane (µg/L)	1,2-DCA (µg/L)	Chloroform (µg/L)
32	10	1.5	5.9	<0.10	6.9	<1.0			<0.10
32	24	<1.0	1.7	<0.10	2.5	<1.0			<0.10
33	10	2.7	11	0.86	3.8	<1.0			<0.10
33	24	7.9	6.1	4.2	4.4	<1.0			<0.10
34	10	5.0	1.2	1.2	3.1	<1.0			<0.10
34	24	5.8	1.1	3.3	2.6	<1.0			<0.10
35	10	3.8	<0.10	0.28	1.8	<1.0			<0.10
35	24	<1.0	<0.10	<0.10	0.66	<1.0			<0.10
36	10	<1.0	<0.10	<0.10	0.30	<1.0			<0.10
37	10	<1.0	<0.10	<0.10	1.8	<1.0			<0.10
37	24	4.9	<0.10	0.97	2.5	<1.0			<0.10
38	10	5.1	<0.10	<0.10	4.9	<1.0			<0.10
39	10	2.1	1.8	<0.10	9.4	<1.0			<0.10
40	10	7.3	44	1.0	90	<1.0			0.34
41	10	50	728	0.37	4.9	<1.0			0.12
42	10	37	524	0.24	4.6	<1.0			<0.10
43	10	50	181	0.58	33	<1.0			<0.10
44	10	14	22	<0.10	2.0	<1.0			<0.10
45	10	<1.0	1.3	<0.10	1.6	<1.0			<0.10
46	10	<1.0	<0.10	<0.10	2.9	<1.0			<0.10
46	24	<1.0	0.29	<0.10	2.4	<1.0			<0.10
47	10	24	76	0.48	88	<1.0			<0.10
47	24	59	343	0.82	45	<1.0			<0.10

TABLE D-2 CHEMICAL ANALYSIS OF SOIL GAS SAMPLES (Cont'd)

Sample	Sample Depth (ft)	1,1 DCE (µg/L)	1,1,1 TCA (µg/L)	TCE (µg/L)	PCE (µg/L)	Methylene Chloride (µg/L)	Dichlorodifluoro- methane (µg/L)	1,2-DCA (µg/L)	Chloroform (µg/L)
48	10	1.2	5.3	<0.10	4.7	<1.0			<0.10
48	24	<1.0	1.7	<0.10	1.6	<1.0			<0.10
49	10	10	18	4.5	370	<1.0			<0.10
50	10	14	54	0.85	44	<1.0			<0.10
Soil Gas Sampling on the Hyrail Site by Aero Vitroment, Inc., November 27, 1991									
51			1012.5	154.3	5.2	ND		ND	ND
52			>1191.2	270.9	65.1	>437.5		ND	ND
53			631.3	19.4	0.9	ND		ND	ND
54			676.0	31.1	2.9	ND		ND	ND
55			113.8	1.5	0.37	ND		ND	ND
56			629.5	17.0	0.52	ND		ND	ND
57			63.7	6.4	0.15	ND		ND	ND
58			ND	358.9	29.6	ND		ND	ND
59			ND	683.3	3.4	ND		ND	ND
59 Duplicate			ND	664.8	2.2	ND		ND	ND
60			ND	560.1	0.2	ND		1.7	ND
61			ND	10.36	ND	ND		78.0	ND
62			ND	119.2	ND	ND		1.5	ND
63			ND	109.9	4.3	ND		ND	ND
64			ND	163.6	0.74	ND		ND	ND
65			ND	426.4	5.2	ND		ND	ND

TABLE D-2 CHEMICAL ANALYSIS OF SOIL GAS SAMPLES (Cont'd)

Sample	Sample Depth (ft)	1,1 DCE (µg/L)	1,1,1 TCA (µg/L)	TCE (µg/L)	PCE (µg/L)	Methylene Chloride (µg/L)	Dichlorodifluoro- methane (µg/L)	1,2-DCA (µg/L)	Chloroform (µg/L)
Soil Gas Sampling on the Hyrail Property Zero Enclosures by Hydro Geo Chem, Inc., September 7 to 9, 1992									
MW-3	25	5700	18,700	1880	300	<10.0	<10.0	<10.0	
	50	4000	12,300	430	770	<10.0	<10.0	<10.0	
	75	420	680	16.0	52.0	<10.0	<10.0	16.0	
MW-5	15a	400	1300	4.3	330	<10.0	150	<10.0	
	15b	450	1200	2.6	270	<10.0	90.0	<10.0	
	50	600	1500	11.0	340	<10.0	260	12.0	
	75	97.0	200	12.0	110	<10.0	340	<10.0	

NOTE: ND = Not Detected

TABLE D-3 - CHEMICAL ANALYSIS OF GROUND WATER SAMPLES
FROM HYRAIL AND ZERO PROPERTIES

Sample ID	Hyrail Site D-25	Hyrail Site II-26	Zero Site MW-11	Hyrail Site MW-2	Hyrail Site MW-3	Zero Site MW-4	Hyrail Site MW-5	Hyrail Site MW-6	Columbia Medium Contaminant Level
Ground Water Sampling by Leighton and Associates, Inc. November 15, 1991 and November 18, 1991									
EPA Method 8015 (modified for gasoline) (µg/L)									
TPH	<100	<100							Unregulated
EPA Method 8020 (µg/L)									
Benzene	<0.5	<0.5							1.0
Toluene	<0.5	21.0							100.0*
Ethylbenzene	<0.5	1.0							600.0
Total Xylenes	<0.5	<0.5							1750.0
Ground Water Sampling by Hydro Geo Chem, Inc., August 14, 1992									
EPA Method 8240/8260 (µg/L)									
1,1,1-Trichloroethane	<1.0	75.0							200.0
1,1-Dichloroethane	<1.0	9.0							6.0
Acetone	<10.0	30.0							Unregulated
Chloroform	11.0	6.0	<100	<0.5	<20	<0.5	2.0	3.0	Unregulated
Methyl ethyl ketone	<5.0	6.0							Unregulated
Trichloroethene	320.0	150.0	3,400	6,200	630	1.0	30.0	36.0	5.0
Toluene	<1.0	32.0							100.0*
Tetrachloroethene	1.0	2.0	<100	<100	<20	<0.5	<0.5	<1.0	5.0
di-1,2-Dichloroethane	<1.0	37.0							6.0
Trichloroethene	<1.0	<1.0	<0.5	<0.5	<20	<0.5	<0.5	<0.5	150.0

* Action Level - non-enforceable health based guideline concentration

APPENDIX E
U.S. EPA Toxicity Values

TABLE E-1
TOXICITY VALUES FOR CHRONIC EXPOSURE TO NONCARCINOGENIC EFFECTS

Chemical	Chronic Reference Dose	
	Inhalation (mg/(kg.d))	Ingestion (mg/(kg.d))
CARCINOGENS		
Chloroform	N/D	1×10^{-2}
Dibromochloromethane	N/D	2×10^{-2}
1,1-Dichloroethane	1×10^{-1}	1×10^{-1}
1,2-Dichloroethane	N/D	N/D
1,1-Dichloroethene	N/D	9×10^{-3}
1,2-Dichloropropane	N/D	N/D
Methylene Chloride	$9 \times 10^{-1*}$	6×10^{-2}
Tetrachloroethene	N/D	1×10^{-2}
1,1,2-Trichloroethane	N/D	4×10^{-3}
Trichloroethene	N/D	N/D
DEVELOPMENTAL TOXIN		
Toluene	$6 \times 10^{-1*}$	2×10^{-1}
HEPATOTOXIN		
1,1,1-Trichloroethane	3×10^{-1}	9×10^{-2}
PULMONARY TOXIN		
Dichlorodifluoromethane	5×10^{-2}	2×10^{-1}

Reference: U.S. EPA (1990)

N/D: Not Determined

* $20 \text{ m}^3/\text{d}$ air and 70 kg body weight

TABLE E-2
TOXICITY VALUES FOR SUBCHRONIC EXPOSURE TO NONCARCINOGENIC EFFECTS

Chemical	Chronic Reference Dose	
	Inhalation (mg/(kg.d))	Ingestion (mg/(kg.d))
CARCINOGENS		
Chloroform	N/D	1×10^{-2}
Dibromochloromethane	N/D	2×10^{-1}
1,1-Dichloroethane	1×10^{-1}	1×10^{-1}
1,2-Dichloroethane	N/D	N/D
1,1-Dichloroethene	N/D	9×10^{-3}
1,2-Dichloropropane	N/D	N/D
Methylene Chloride	9×10^{-1} *	6×10^{-2}
Tetrachloroethene	N/D	1×10^{-1}
1,1,2-Trichloroethane	N/D	4×10^{-2}
Trichloroethene	N/D	N/D
DEVELOPMENTAL TOXIN		
Toluene	6×10^{-1} *	2×10^0
HEPATOTOXIN		
1,1,1-Trichloroethane	3×10^0	9×10^{-1}
PULMONARY TOXIN		
Dichlorodifluoromethane	5×10^{-1}	9×10^{-1}

Reference: U.S. EPA (1990)

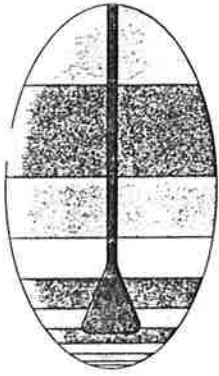
N/D: Not Determined

* $20 \text{ m}^3/\text{d}$ air and 70 kg body weight

TABLE E-3
TOXICITY VALUES FOR CHRONIC EXPOSURE TO CARCINOGENS

Chemical	Cancer Potency Factor		EPA Category
	Inhalation (mg/(kg.d)) ⁻¹	Ingestion (mg/(kg.d)) ⁻¹	
Chloroform	8.1×10^{-2}	6.1×10^{-3}	B2
Dibromochloromethane	N/D	8.4×10^{-2}	C
1,1-Dichloroethane	N/D	N/D	C
1,2-Dichloroethane	9.1×10^{-2}	9.1×10^{-2}	B2
1,1-Dichloroethene	1.2×10^0	6.0×10^{-1}	C
1,2-Dichloropropane	N/D	6.8×10^{-2}	B2
Methylene Chloride	1.4×10^{-2}	7.5×10^{-3}	B2
Tetrachloroethene	$1.7 \times 10^{-3*}$	5.1×10^{-2}	B2
1,1,2-Trichloroethane	5.7×10^{-2}	5.7×10^{-2}	C
Trichloroethene	1.7×10^{-2}	1.1×10^{-2}	B2

Reference: U.S. EPA (1990)
 N/D: Not Determined
 * Value taken from U.S. EPA (1986)



HYDRO GEO CHEM, INC.

Environmental Science & Technology

Tucson • Huntington Beach • Seattle

December 18, 1997

Mr. Eric Nupen
Senior Engineering Geologist
California Regional Water Quality Control Board, Los Angeles Region
101 Centre Plaza Drive
Monterey Park, California 91754-2156

Re: Proposed Phase 1 Shallow Soils Remediation System
ZERO Facility, 777 Front Street, Burbank CA
RWQCB File No. 109,6162

Dear Mr. Nupen:

At the request of ZERO Corporation, we are providing the following description of proposed shallow soils remedial action at the ZERO Facility. As we discussed during our meeting in your office on December 15, 1997, planned site redevelopment will be greatly facilitated by prior removal of volatile organic compounds (VOCs) from soils subject to disturbance during construction. Water Quality Control Board concurrence with this proposed plan and cleanup levels is sought.

Objectives

Planned redevelopment of the ZERO Facility (Figure 1) includes razing all existing structures, excavating for spread footings, subterranean garages and service areas; and grubbing/recompacting much of the remainder of the 8-acre site. Redevelopment plans also include an adjacent, smaller parcel currently owned by the City of Burbank.

Elevated concentrations of VOCs have been detected in shallow (5 to 15 feet below grade) soil gas samples at the facility. Tetrachloroethylene (PCE) and 1,1,1-trichloroethane (TCA) are the predominant VOCs that have been detected in soil gas. The distribution of these VOCs in shallow soil gas are shown in Figures 2 and 3. Impacted shallow soils will be disturbed during redevelopment.

The buyer desires to avoid expensive soils rehandling and testing during construction and remediating excavated soils after construction. Therefore, this Phase 1 work plan for in-situ remediation of the shallow soils was developed to reduce VOC soil concentrations in selected areas of the site to acceptable cleanup levels prior to site development so that such soils may be excavated, moved, and used on the combined site without restriction (recognizing applicable South Coast Air Quality Management District and Occupational Health and Safety Administration rules and regulations must be met during site development activities).

Scope of Phase 1 Remedial Activities

The proposed Phase 1 remediation is limited to the surficial 15 to 20 feet of soils within the impacted areas shown in Figures 2 and 3. It is recognized that site soils have been impacted by VOCs to depths exceeding 60 feet, however, VOC concentrations in the deeper soils will be addressed in a Phase 2 remediation system, consistent with Hydro Geo Chem's 1996 work plan for site soils remediation¹, approved by the Water Quality Control Board (Board) on February 26, 1996. The Phase 1 plan described below is for a three-month remediation period using soil vapor extraction (SVE) and air injection.

Construction

In order to decrease the length of time required to remediate the shallow soils to be disturbed, it is necessary to shorten soil air flow path lengths. Therefore, air injection is being added to the Phase 1 work. Figure 4 shows the approximate number and location of extraction and injection wells and piping proposed for the areas of concern. The network will consist of approximately 47 SVE wells, and 26 air injection wells. This configuration may be adapted, expanded or reduced based on initial organic vapor measurements after well installation and completion of the site grading plans by the buyer. Soil vapor extraction and injection wells will be installed to a depth of approximately 20 feet. Approximate well locations and areas of possible system expansion are shown in Figure 4. The anticipated extraction and injection rate is 15 to 20 standard cubic feet per minute (scfm) per well. The existing 750 scfm SVE blower and control system will be used to provide the needed extraction rate and vacuum in Buildings 11 - 13. A 500 scfm injection system will be used. A separate SVE blower may be used in Building 14. The equipment will have a multiple-locations permit from the Air Quality Management District.

As you recommended, we will construct a network of soil gas monitoring probes prior to Phase 1 startup. This network will supplement the multi-level soil gas monitoring points already established at the site. The purpose of these probes will be to evaluate remedial progress and to

¹ Hydro Geo Chem, Inc. 1996. *Results of Soil Vapor Extraction Simulations and Work Plan for Soils Remediation. To California Regional Water Quality Control Board, January 15, 1996.*

establish soils cleanup verification points. Approximately 25 monitoring points will be constructed. Locations will be determined based on organic vapor measurements collected from the extraction and injection wells and existing monitoring points prior to Phase 1 startup.

Operation

System operation over a 3-month period will consist of daily (for the first 2 weeks) measurements of flow and organic vapors (using a hand-held organic vapor meter and an air velocity meter) and well pressures; and subsequently at the schedule required by the air discharge permits. Organic vapor concentrations will be measured at all extraction wells and soil-gas monitoring points. The latter data will be used to establish soils cleanup progress. Regular system evaluation during this period will also allow system changes to optimize air flow and VOC removal rates.

Closure

As discussed during our December 15, 1997, meeting, closure of Phase 1 remedial action will be based on 1) SVE performance after 3 months indicating minimal continued effective removal of VOCs from the shallow soils, and 2) reductions in soil gas concentrations measured in the soil gas monitoring points to the agreed-upon cleanup levels. During this meeting it was also agreed that a PCE concentration between 600 and 1,000 micrograms per liter in soil gas has been determined by the Board staff to be an acceptable range.

Performance monitoring will be conducted through periodic sampling and analysis of extracted vapors from the SVE wells, and calculation of VOC mass removal rates. Soil gas concentrations in the verification sampling will be determined using a Board staff-approved on-site mobile laboratory or by outside analysis by a California-certified laboratory.

A description of Phase 1 SVE activities and results of sampling and analysis will be reported to the Board. If the cleanup objectives are achieved, as determined by the above sampling and analysis, you have indicated that a No Further Action determination will be made by Board staff agreeing that remediated soils may be excavated and used without restriction or limitation as fill on other portions of the property that is the subject of redevelopment.

If the objectives are not achieved for certain soils, then alternatives for managing these soils will be considered based on location and residual VOC concentrations. Soils that are not excavated will be remediated during Phase 2 pursuant to the approved ZERO remedial action plan.

Mr. Eric Nupen
December 18, 1997
Page 4

We look forward to your review and approval of this proposal. As always, please feel free to call if you have any questions or comments, or require any additional information.

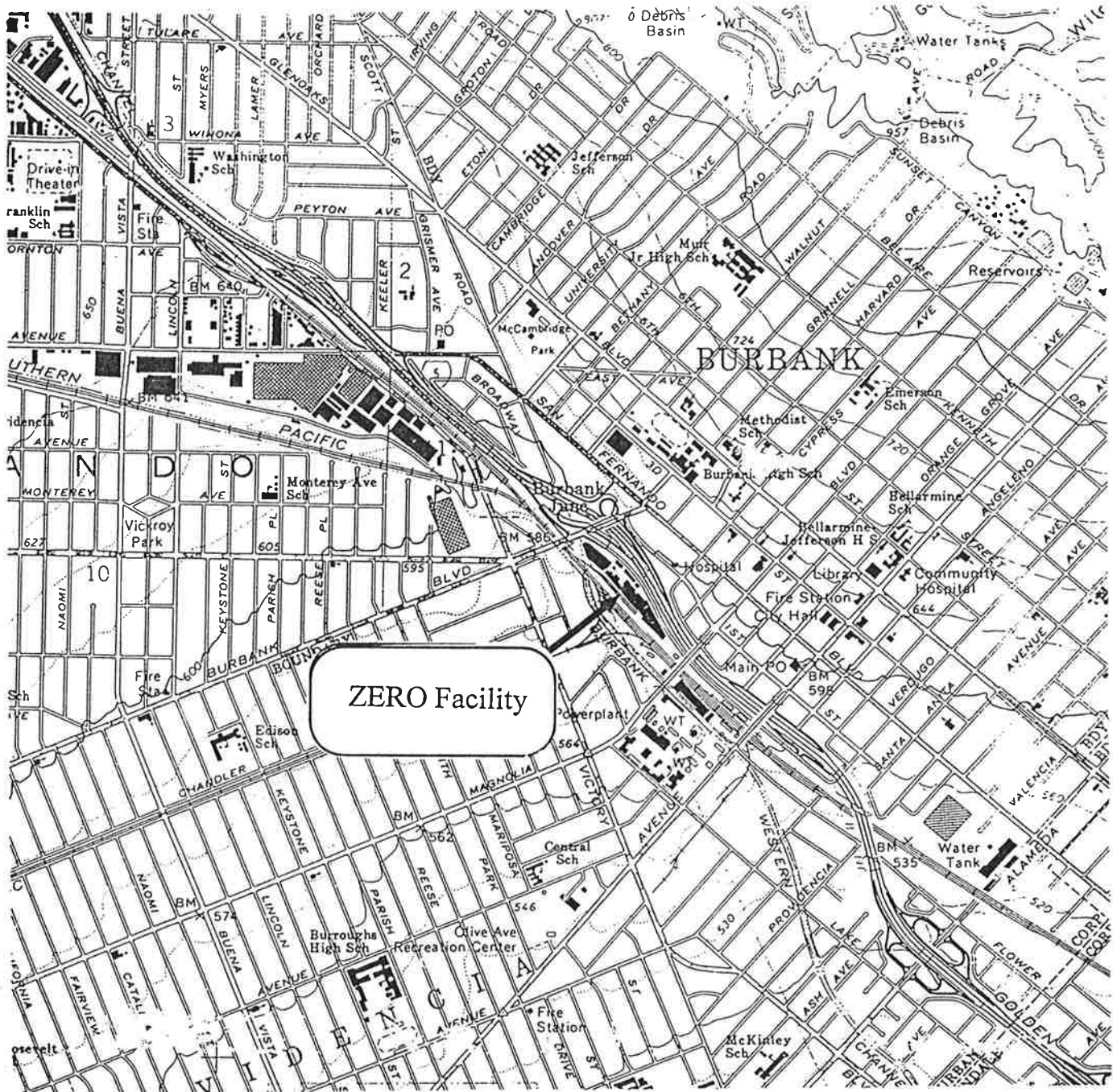
Sincerely yours,

A handwritten signature in black ink, appearing to read "J. Ward", written in a cursive style.

John J. Ward
Associate Hydrogeologist

Attachments (4)

cc: Mr. Ronald D. Habel/ZERO Corporation
Ms. Anita J. Cutchall/ZERO Corporation
Michael A. Francis, Esq./Demetriou, Del Guercio, Springer & Moyer
Alan J. Scobin, Esq./Galpin Ford
Donald C. Nanney, Esq./Gilchrist & Rutter
Mr. Richard C. Leach/Law Crandall



Scale: 1" = 2000'

Map Source: Burbank CA 7.5 min quadrangle - 1972



**HYDRO
GEO
CHEM, INC.**

Vicinity Map

ZERO Facility

777 Front Street, Burbank, CA

Approved:

Date:

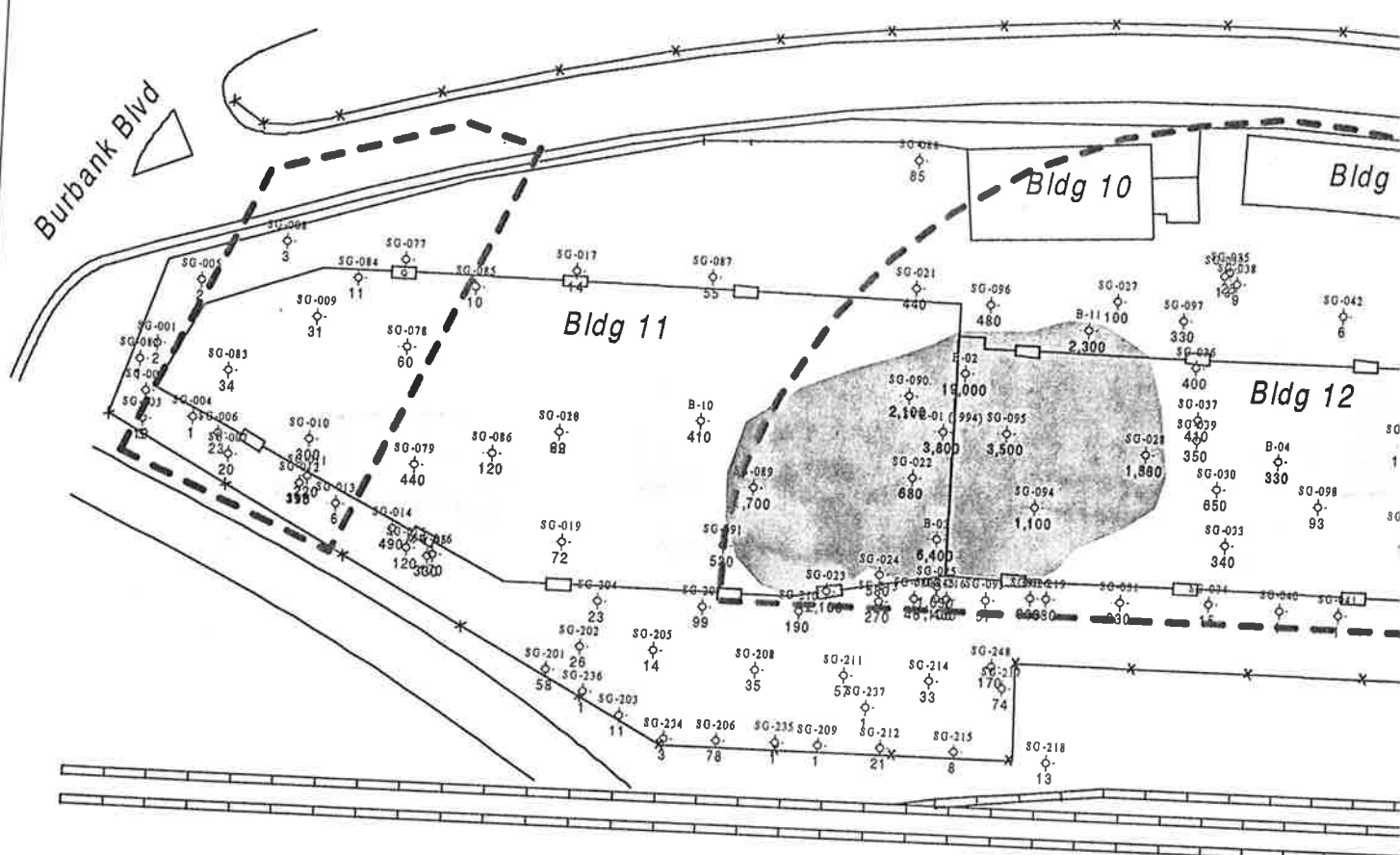
Revised:

Date:

Reference:

FIG.

1

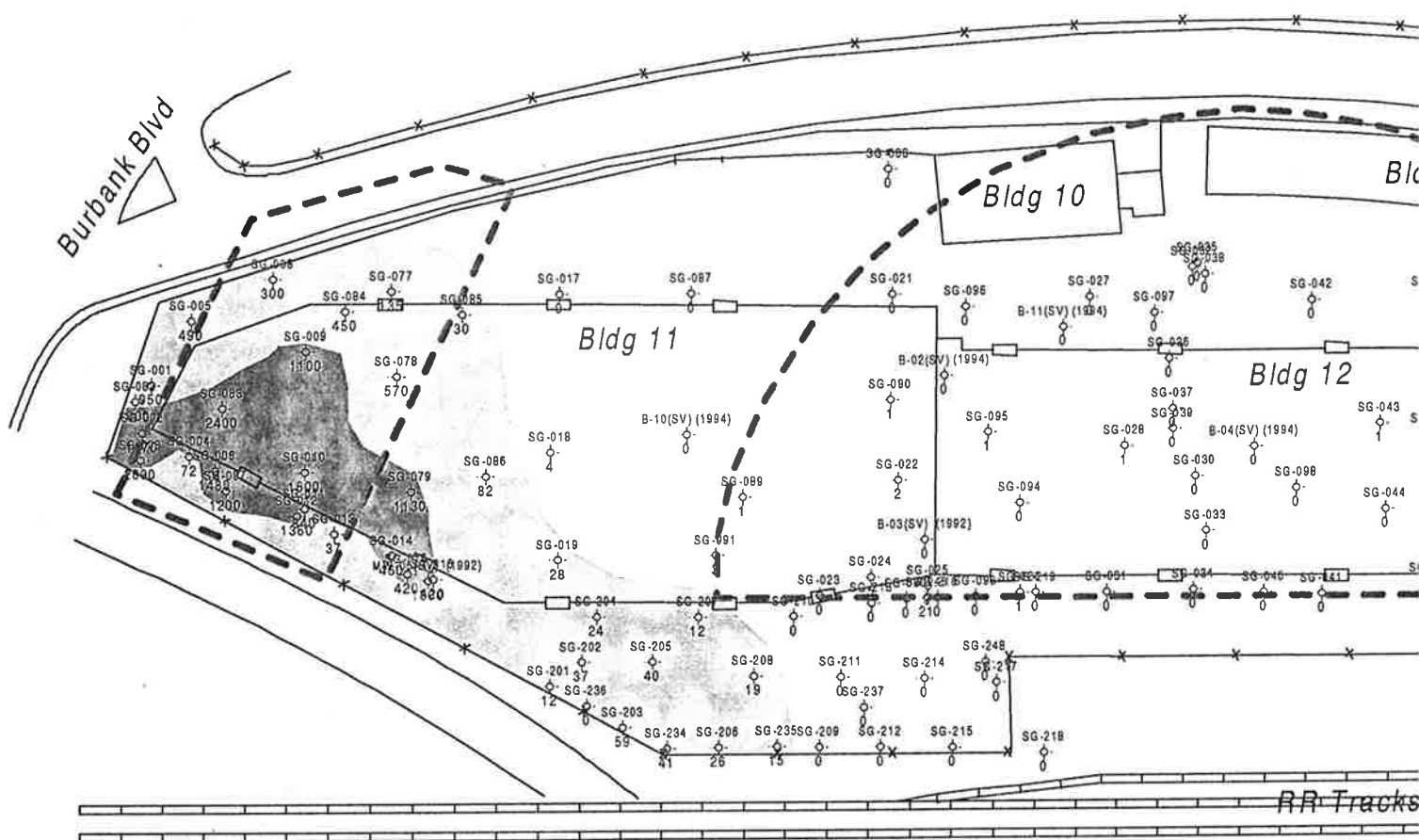


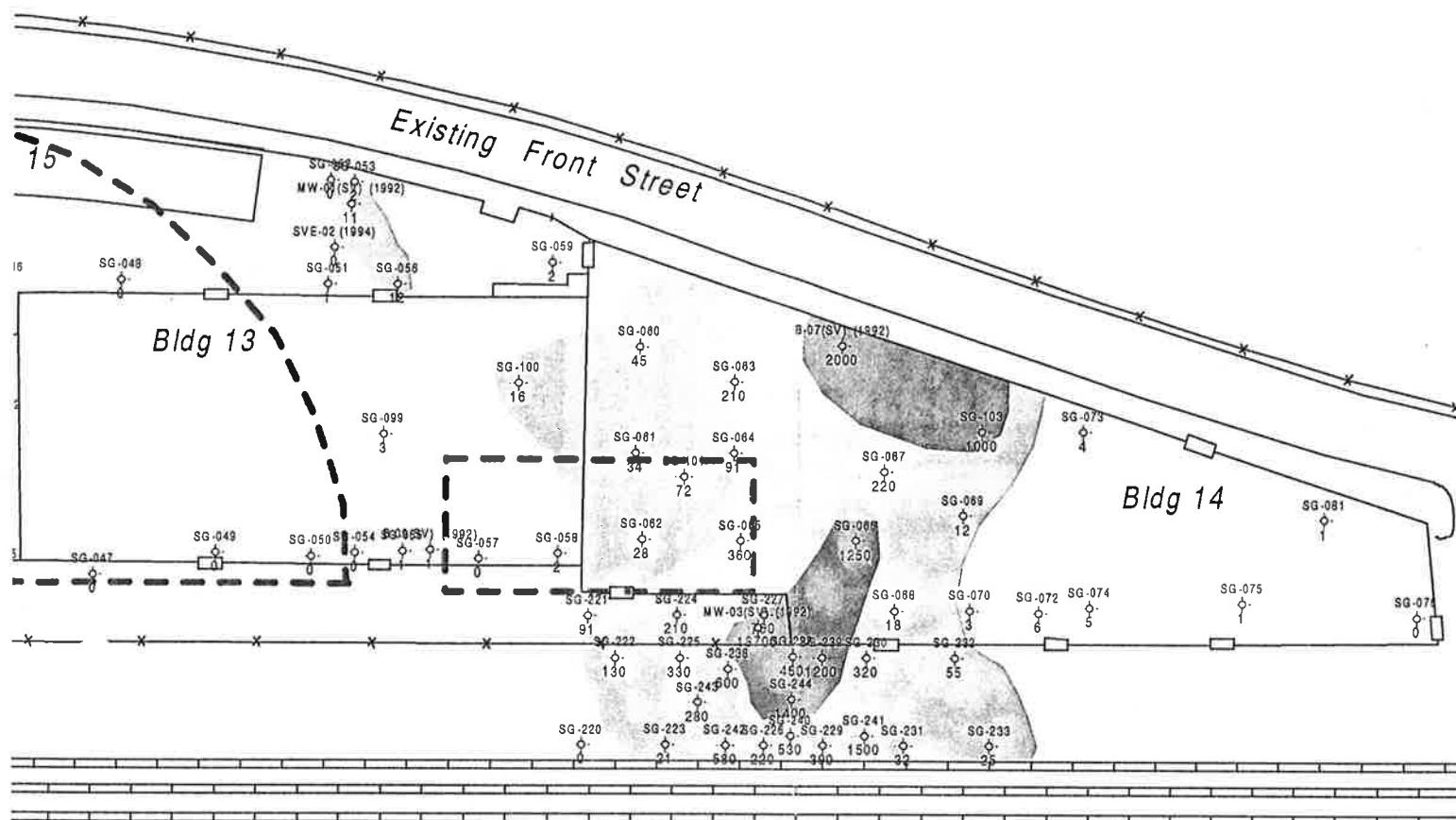


1430 NORTH SIXTH AVENUE
TUCSON, ARIZONA 85705-8871
(520)623-8881 (520)623-8884 FAX

ZERO Facility
777 Front Street
Burbank CA

FIG.





**HYDRO
GEO
CHEM, INC.**

1430 NORTH SIXTH AVENUE
TUCSON, ARIZONA 85705-8871
(520)623-6981 (520)623-6984 FAX

Shallow TCA Concentrations in Soil Gas
ZERO Facility
777 Front Street
Burbank CA

Approved

jjw

Date

12/16/97

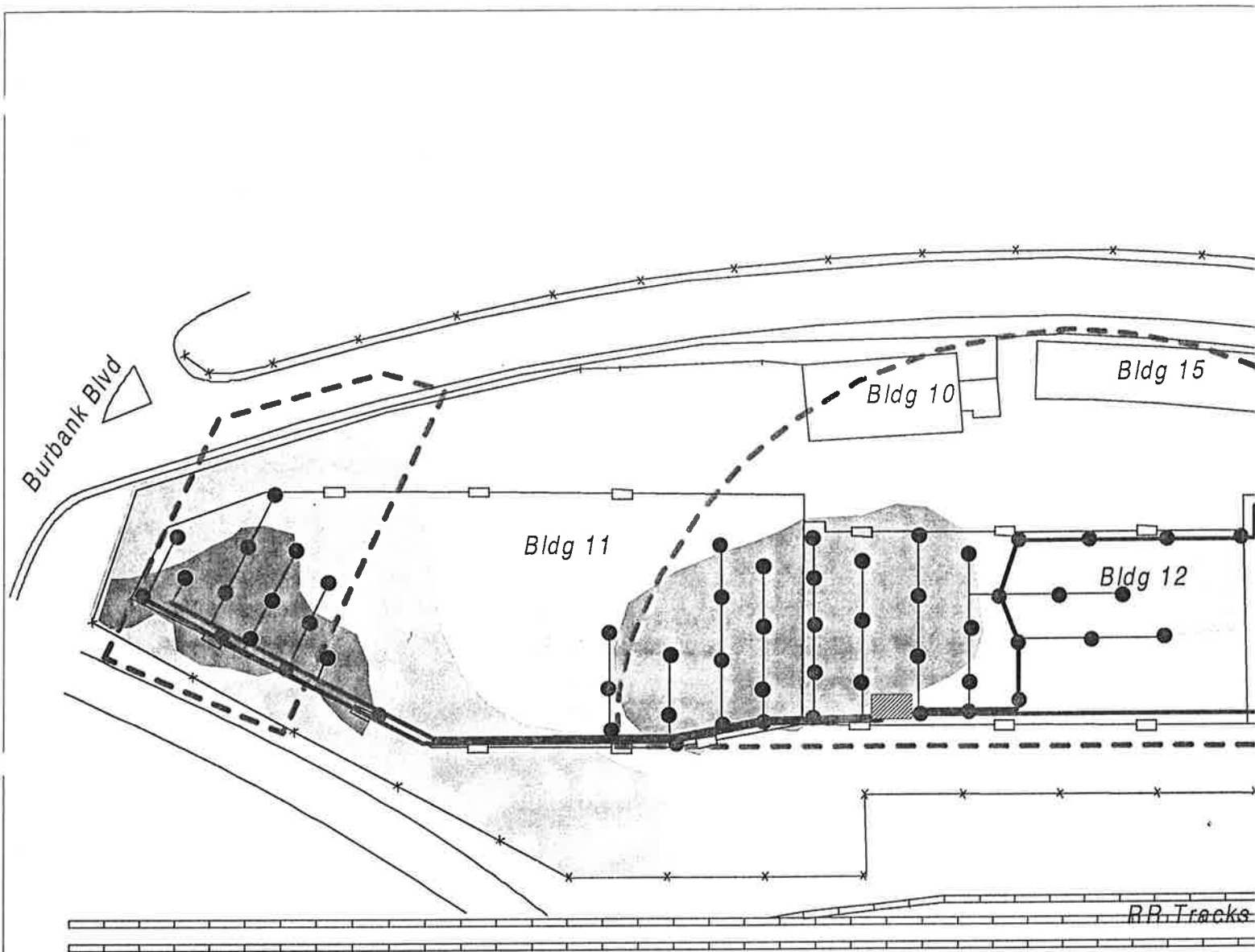
Revised

Date

Reference:

FIG.

3



Approximate Footprint of Excavation or
Locations of Spread Footings

Shallow Soil Gas Concentrations:

TCA	PCE
	> 10 or 50 ug/l
	> 100 ug/l
	> 1,000 ug/l

Scale: Approx 1" = 25'

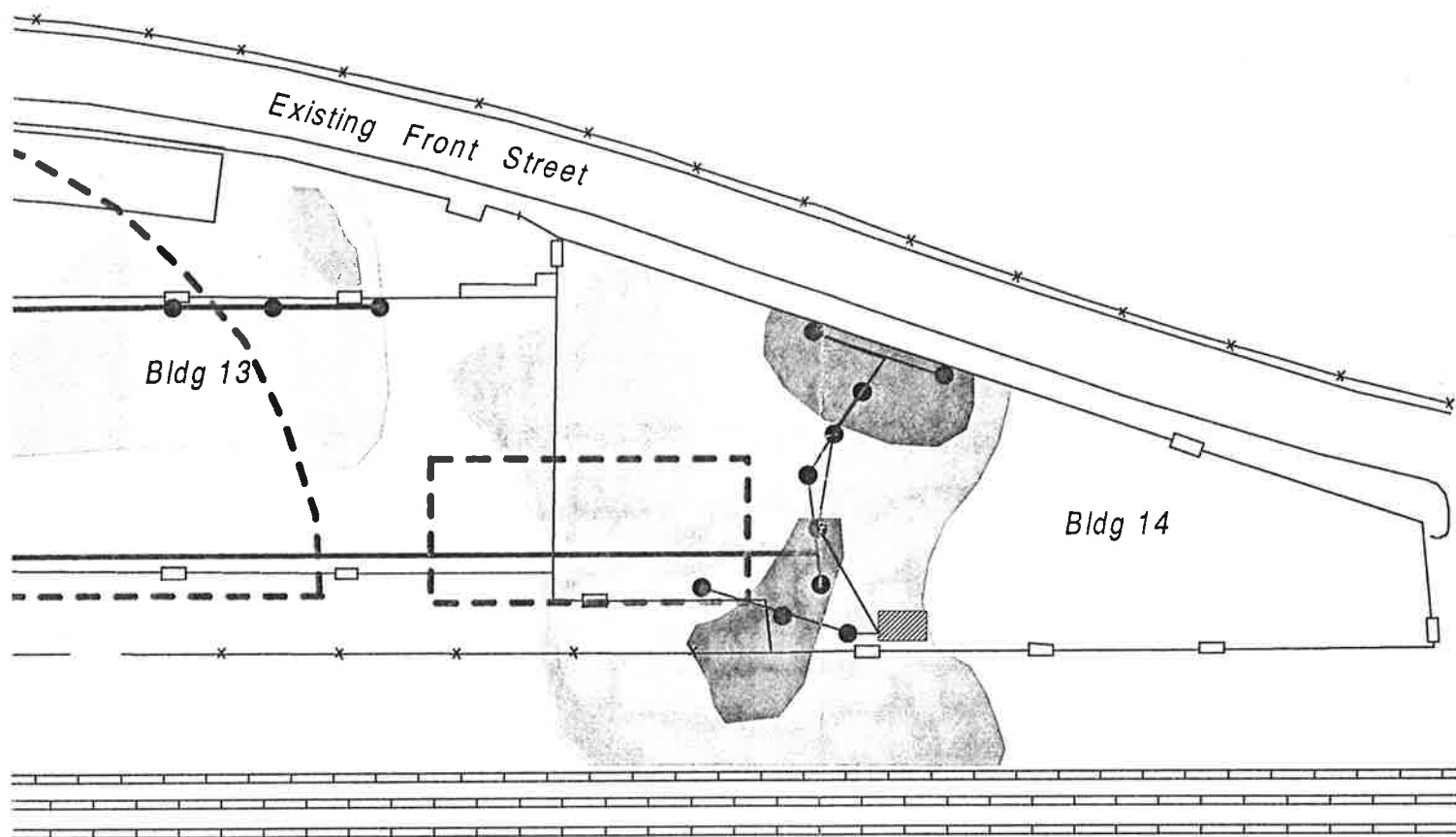
● Air Injection Well

— Air Injection Piping
 — 4- or 6-inch
 — 2-inch

● SVE Well

— Extraction Piping
 — 4- or 6-inch
 — 2-inch

SVE Treatment System



**HYDRO
GEO
CHEM, INC.**

1430 NORTH SIXTH AVENUE
TUCSON, ARIZONA 85705-6671
(620)623-6981 (620)623-6984 FAX

Phase I SVE Layout
ZERO Facility
777 Front Street
Burbank CA

Approved	Date	Revised	Date	Reference:	FIG.
jjw	12/16/97				



Office of the General Counsel

Ford Motor Company
Parklane Towers West
Suite 300
Three Parklane Boulevard
Dearborn, Michigan 48126-2568

June 12, 1998

Donald C. Nanney, Esq.
GILCHRIST & RUTTER
Professional Corporation
355 South Grand Avenue, Suite 4100
Los Angeles, CA 90071

Re: Environmental Reports

Dear Mr. Nanney:

Enclosed are the two signed agreements along with the documents for disclosure to EPA.

If you need any additional information or have questions, please feel free to contact me at (313) 248-9353.

Sincerely,

A handwritten signature in cursive script that reads "Reem A. Cassel".

Reem A. Cassel
Legal Assistant

.cc M. Laber

Enclosures

Marie M. Rongone
Assistant Regional Counsel
United States Environmental
Protection Agency
75 Hawthorne St., ORC-3
San Francisco, CA 94105
(415) 744-1313

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION IX

IN THE MATTER OF:	)	
San Fernando Valley	)	[Docket Number]
Area 2 (Crystal Springs)	)	
Glendale Operable Units	)	
UNDER THE AUTHORITY OF THE	)	AGREEMENT AND COVENANT
COMPREHENSIVE ENVIRONMENTAL	)	NOT TO SUE FORD LEASING
RESPONSE, COMPENSATION, AND	)	DEVELOPMENT COMPANY
LIABILITY ACT OF 1980, 42 U.S.C.	)	
§ 9601, <u>et seq.</u> , as amended.	)	
_____	)	

I. INTRODUCTION

1. This Agreement and Covenant Not to Sue ("Agreement") is made and entered into by and between the United States Environmental Protection Agency ("EPA") and Ford Leasing Development Company, a Delaware corporation ("Ford") (collectively "the Parties").

2. This Agreement is entered into pursuant to the Comprehensive Environmental Response, Compensation, and Liability Act of 1980, as amended ("CERCLA"), 42 U.S.C. § 9601, et seq., and the authority of the Attorney General of the United States to compromise and settle claims of the United States.

3. Ford ("Settling Respondent") is principally officed at One Parklane Boulevard, Suite 1500 East, Dearborn, Michigan, 48126. On or about June 27, 1997, Herbert F. Boeckmann, II, entered into an option agreement with ZERO Corporation ("ZERO"), and later assigned the option agreement to Settling Respondent. Subject to certain terms and conditions, the option agreement provides an option to the Settling Respondent to purchase certain improved real property located in the City of Burbank, County of Los Angeles, State of California, which is located at the southwest corner of Burbank Boulevard and Front Street, and which is more particularly described in Exhibit 1 to this Agreement. Settling

Respondent intends to develop such real property and certain other parcels of real property currently owned by the City of Burbank, with respect to which Settling Respondent has entered into an agreement or option to purchase, and which are more particularly described in Exhibit 2 to this Agreement, into a retail automobile dealership mall with related amenities ("the Project"). (The real property described in Exhibits 1 and 2 is collectively referred to as the "Property").

4. Portions of the Property currently include certain improvements, including approximately six buildings that from approximately 1962 through 1991 housed certain manufacturing operations. Since 1991, portions of the Property have been rented for location services and other marginal uses.

5. The Property consists of a total of approximately 12.1 acres. A portion of the Property was previously owned and operated by ZERO (see Exhibit 1). A portion of the Property currently is owned and operated by the City of Burbank (see Exhibit 2).

6. The Property is located within the San Fernando Valley Area 2 Crystal Springs Superfund Site.

7. The Parties agree to undertake all actions required by the terms and conditions of this Agreement. The purpose of this

Agreement is to settle and resolve, subject to the reservations and limitations contained herein, the potential liability of the Settling Respondent for the Existing Contamination (as defined below) at the Property which otherwise would arise under Sections 106 and/or 107(a) of CERCLA, 42 U.S.C. §§ 9606 and 9607(a), and/or Section 7003 of RCRA, 42 U.S.C. § 6973.

8. The Parties agree that the Settling Respondent's entry into this Agreement, and the actions undertaken by the Settling Respondent in accordance with the Agreement, do not constitute an admission of any liability by the Settling Respondent.

The resolution of this potential liability, in exchange for provision by the Settling Respondent to EPA of a substantial benefit, is in the public interest.

II. DEFINITIONS

9. Unless otherwise expressly provided herein, terms used in this Agreement that are defined in CERCLA or in regulations promulgated under CERCLA shall have the meaning assigned to them in CERCLA or in such regulations, including any amendments thereto.

10. "EPA" shall mean the United States Environmental Protection Agency and any successor departments or agencies of the United States.

11. "Existing Contamination" shall mean:

a. Any hazardous substances, pollutants or contaminants, present or existing on or under the Site as of the effective date of this Agreement and for which Settling Respondent is not presently liable in any way.

b. Any hazardous substances, pollutants or contaminants that (1) migrated from the Property prior to the effective date of this Agreement; or (2) migrate from the Property after the effective date of this Agreement, provided that Settling Respondent is not presently liable in any way for such hazardous substances, pollutants or contaminants and does not cause or contribute to the migration of such hazardous substances, pollutants or contaminants from the Property.

c. Any hazardous substances, pollutants or contaminants that migrate onto or under the Property after the effective date of this Agreement, provided that Settling Respondent is not presently liable in any way for such hazardous substances, pollutants or contaminants and does not cause or contribute to the migration of such hazardous substances, pollutants or contaminants onto or under the Property.

12. "Parties" shall mean EPA and the Settling Respondent.

13. "Property" shall mean that certain real property which is

described in Exhibits 1 and 2 of this Agreement.

14. "Settling Respondent" shall mean Ford and any assignee or transferee of this Agreement pursuant to paragraphs 51, 52 and 53.

15. "Site" shall mean the San Fernando Valley Area 2 Crystal Springs Superfund Site generally encompassing the cities of Burbank and Glendale in the State of California. The Site is depicted generally on the map attached as Exhibit 3. The Site shall include the Property, and all areas to which hazardous substances and/or pollutants or contaminants have come to be located.

16. "United States" shall mean the United States of America, its departments, agencies, and instrumentalities.

III. STATEMENT OF FACTS

17. Settling Respondent is in the business of acquiring, developing and building automobile dealerships and related amenities for sale or lease to dealerships.

18. Settling Respondent plans to acquire the Property and construct an automobile dealership mall and related amenities thereon. A preliminary project plan for the Project is included in Exhibit 4 hereto.

19. The Property consists of approximately 12.1 acres that were,

in part, formerly used and zoned for industrial use and have been owned and operated by ZERO (see Exhibit 1) or the City of Burbank (see Exhibit 2). The Property is within the San Fernando Valley Area 2, Crystal Springs Superfund Site (hereinafter "Site"). The Site includes the Glendale North and South Operable Units. The Site includes contamination to regional groundwater as the result of volatile organic compounds ("VOCs") including, but not limited to, trichloroethylene ("TCE") and tetrachloroethylene ("PCE"), as well as areas to which the contamination has migrated.

20. Based on subsurface contamination at portions of the Property, ZERO has been included in EPA's enforcement actions at the Site.

21. The Property is within a City of Burbank redevelopment plan area. Such area includes blighted properties. The goal of the redevelopment plan is to revitalize said blighted properties in the redevelopment area by putting them to a more productive and beneficial use.

22. The City of Burbank considers the Settling Respondent's Project to be in the best interests of the public.

23. The City of Burbank supports the Project and has so notified EPA.

24. Settling Respondent's Project will convert the marginally

productive Property into a more productive and beneficial retail use.

25. Settling Respondent's Project will generate substantial benefits for the City of Burbank and the public at large. These benefits include long term economic benefits from the retail sales tax revenues generated by the Project. In addition, the Property will result in sales tax revenue on construction. Other income will be derived from property tax revenues, business license taxes, and other government fees.

26. The City of Burbank stands to benefit further from the Project, not only due to the sales tax revenues, but also because the Project is expected to encourage further redevelopment in the area.

27. The Property is located within the Site. EPA has collected information and conducted its own investigation of the Site. A portion of the Property has been known to EPA and referred to in certain EPA documents as the ZERO facility.

28. Settling Respondent does not operate a facility within the Site and is not, and has never been, named or identified as a responsible party for or at the Site.

29. Settling Respondent's Project will create a substantial number of construction-related jobs and an estimated 125-150

employment positions.

30. Settling Respondent's Project will provide substantial and meaningful employment. The workforce will be engaged in jobs requiring varying degrees of training, and many of the workers will be highly skilled at their positions. These new jobs are particularly important to the City of Burbank because of the substantial loss of the aerospace industry employment.

31. As a part of Settling Respondent's Project, Settling Respondent will contribute to public art in the City of Burbank.

32. Settling Respondent's Project is located immediately adjacent to the "Metrolink" station, thereby promoting the use of mass transport for employees, service department customers, and/or prospective automobile purchasers.

33. Settling Respondent represents that it anticipates that automobile dealerships that will occupy the Property will be active in community and civic affairs and will support community services through such participation in the community surrounding the Project.

34. Settling Respondent represents, and for the purposes of this Agreement EPA relies on said representations, that Settling Respondent's involvement with the Property has been limited to inspecting and performing environmental and other due diligence

with respect to the Property in connection with Settling Respondent's proposed acquisition of the Property, and completing its acquisition of the Zero portion of the Property.

IV. PAYMENT

35. In consideration of and in exchange for the United States' Covenant Not to Sue in Section VIII herein, Settling Respondent agrees to pay to EPA the sum of \$ 150,000, within thirty (30) days of the later of either: (1) the date that Settling Respondent takes title to the Property, or (2) the date that Settling Respondent receives notice from the EPA that the public comment period for this Agreement has expired and that the United States has determined not to withdraw its consent to this Agreement. The Settling Respondent shall make all payments required by this Agreement in the form of a certified check or checks made payable to "EPA Hazardous Substance Superfund," referencing the EPA Region IX, EPA Docket number, and Site/Spill ID # 091G, 091H, and 09N2, DOJ case number_____, if applicable, and the name and address of Settling Respondent. The Settling Respondent shall send such payments to the following address:

U.S. EPA
Region IX, Attn: Superfund Accounting
P.O. Box 360863M

Pittsburgh, PA 15251

Notice of payment shall be sent to those persons listed in
Section XV (Notices and Submissions) and to EPA Region IX
Financial Management Officer:

Catherine Shen
Financial Management Specialist (PMD-6)
USEPA Region IX
75 Hawthorne St.
San Francisco, CA 94105

The total amount to be paid to EPA shall be placed in the
Glendale Special Account and used to conduct or finance the
response action at or in connection with the Glendale North and
South Operable Units. Any balance remaining in the Glendale
Special Account at the completion of the response at or in
connection with the Glendale North and South Operable Units shall
be deposited in the EPA Hazardous Substance Superfund.

36. Amounts due and owing pursuant to the terms of this
Agreement but not paid in accordance with the terms of this
Agreement shall accrue interest at the rate established pursuant
to Section 107(a) of CERCLA, 42 U.S.C. § 9607(a), compounded on
an annual basis.

37. If Settling Respondent does not perform pursuant to
paragraphs 33 and 34 of this Agreement, Settling Respondent may
be deemed to be in material default of this Agreement.

V. ACCESS/NOTICE TO

SUCCESSORS-IN-INTEREST

38. Commencing upon the date that it acquires title to any part of the Property, Settling Respondent agrees to provide to EPA, its authorized officers, employees, representatives, and all other persons performing response actions under EPA or state oversight, an irrevocable right of access at all reasonable times to the portions of the Property it has acquired and to any other property to which access is required for the implementation of response actions at the Site, to the extent access to such other property is controlled by Settling Respondent, for the purposes of performing and overseeing response actions at the Site under federal and state law. EPA agrees to provide reasonable notice to Settling Respondent of the timing of response actions to be undertaken at the Property if such actions are undertaken by EPA and will use reasonable efforts to minimize interference with the use of the Property; provided, however, that nothing herein shall provide Settling Respondent with a claim or cause of action against EPA including, without limitation, any claim or cause of action for injunctive relief. Notwithstanding any provision of this Agreement, EPA retains all of its access authorities and rights, including enforcement authorities related thereto, under

CERCLA, the Solid Waste Disposal Act, as amended by the Resource Conservation and Recovery Act, 42 U.S.C. § 6901, ("RCRA") et. seq., and any other applicable statute or regulation, including any amendments thereto.

39. Within thirty (30) days after the later of either (a) the effective date of this Agreement, or (b) the date that Settling Respondent receives notice from the EPA that the public comment period for this Agreement has expired and that the United States has determined not to withdraw its consent to this Agreement, Settling Respondent shall record a certified copy of this Agreement with the Recorder's Office or Registry of Deeds for Los Angeles County, State of California. Thereafter, each deed, title, or other instrument conveying an interest in the portions of the Property Settling Respondent has acquired shall contain a notice stating that the Property is subject to this Agreement. A copy of these documents should be sent to the persons listed in Section XV (Notices and Submissions).

40. Settling Respondent shall ensure that assignees, successors-in-interest, lessees, and sublessees of the portions of the Property Settling Respondent has acquired shall provide the same access and cooperation as required of Settling Respondent under the terms of this Agreement. Settling Respondent shall ensure

that a copy of this Agreement is provided to any current lessee or sublessee on the portions of the Property Settling Defendant has acquired as of the effective date of this Agreement and shall ensure that any subsequent leases, subleases, assignments or transfers of the Property or an interest in the Property are consistent with this Section, and Section XI (Parties Bound/Transfer of Covenant), of this Agreement.

VI. DUE CARE/COOPERATION

41. Settling Respondent shall exercise due care at the Site with respect to the Existing Contamination and shall comply with all applicable local, State, and federal laws and regulations. Settling Respondent recognizes that the implementation of response actions at the Site may interfere with Settling Respondent's use of the Property and may require closure of its operations or a part thereof. Settling Respondent agrees to cooperate fully with EPA in the implementation of response actions at the Site and further agrees not to interfere with such response actions. EPA agrees, consistent with its responsibilities under applicable law, to use reasonable efforts to minimize any interference with Settling Respondent's operations by such entry and response. In the event Settling Respondent becomes aware of any action or occurrence that causes

or threatens a release of hazardous substances, pollutants or contaminants at or from the Property that constitutes an emergency situation or that may present an immediate threat to the public health or welfare or the environment, Settling Respondent shall immediately take all appropriate action to prevent, abate, or minimize such release or threat of release, and shall, in addition to complying with any applicable notification requirements under Section 103 of CERCLA, 42 U.S.C. §9603, or any other law, immediately notify EPA of such release or threatened release.

VII. CERTIFICATION

42. By entering into this agreement, Settling Respondent certifies that to the best of its knowledge and belief it has fully and accurately disclosed to EPA all information known to Settling Respondent and all information in the possession or control of its officers, directors, employees, contractors and agents that relates in any way to any Existing Contamination or any past or potential future release of hazardous substances, pollutants or contaminants at or from the Property or otherwise relates in any way to its qualification for this Agreement; provided, however, that Settling Respondent shall not be obligated to disclose any privileged or confidential

communications with the exception of any data that may be contained therein. Settling Respondent also certifies that, to the best of its knowledge and belief, it has not caused or contributed to a release or threat of release of hazardous substances or pollutants or contaminants at the Site. If the United States determines that information provided by Settling Respondent is not materially accurate and complete, the Agreement, at the sole discretion of the United States, shall be voidable and the United States reserves all rights it may have in the event of such occurrence.

VIII. UNITED STATES' COVENANT NOT TO SUE

43. Subject to the Reservation of Rights in Section IX of this Agreement, upon payment of the amount specified in Section IV (Payment) of this Agreement, the United States covenants not to sue or take any other civil or administrative action against Settling Respondent for any and all civil liability for injunctive relief or reimbursement of response costs pursuant to Sections 106 or 107(a) of CERCLA, 42 U.S.C. §§ 9606 or 9607(a), or Section 7003 of RCRA, 42 U.S.C. § 6973 with respect to the Existing Contamination.

IX. RESERVATION OF RIGHTS

44. The covenant not to sue set forth in Section VIII, above

(United States' Covenant Not to Sue), does not pertain to any matters other than those expressly specified therein. The United States reserves, and this Agreement is without prejudice to, all rights against Settling Respondent with respect to all other matters including, but not limited to, the following:

a. claims based on a failure by Settling Respondent to meet a requirement of this Agreement including, but not limited to, Section IV (Payment), Section V (Access/Notice to Successors-in-Interest), Section VI (Due Care/Cooperation), and Section XIV (Payment of Costs);

b. any liability resulting from past or future releases of hazardous substances, pollutants or contaminants at or from the Site caused or contributed to by Settling Respondent, its successors, assignees, lessees or sublessees;

c. any liability resulting from exacerbation by Settling Respondent, its successors, assignees, lessees or sublessees, of Existing Contamination;

d. any liability resulting from the release or threat of release of hazardous substances, pollutants or contaminants at or from the Site after the effective date of this Agreement, not within the definition of Existing Contamination;

e. criminal liability;

f. liability for damages for injury to, destruction of, or loss of natural resources and for the costs of any natural resource damage assessment incurred by federal agencies other than EPA; and

g. liability for violations by Settling Respondent of local, state or federal law or regulations.

45. With respect to any claim or cause of action asserted by the United States, Settling Respondent shall bear the burden of proving that the claim or cause of action, or any part thereof, is attributable solely to Existing Contamination.

46. Nothing in this Agreement is intended as a release or covenant not to sue for any claim or cause of action, administrative or judicial, civil or criminal, past or future, in law or in equity, that the United States may have against any person, firm, corporation or other entity not a party to this Agreement.

47. Except as provided in Paragraphs 51 and 53 of this Agreement, nothing in this Agreement is intended to limit the right of EPA to undertake future response actions at the Site or to seek to compel parties other than Settling Respondent to perform or pay for response actions at the Site. Nothing in this Agreement shall in any way restrict or limit the nature or scope

of the response actions that may be taken or be required by EPA in exercising its authority under federal law. Settling Respondent acknowledges that it is purchasing property where response actions may be required.

X. SETTLING RESPONDENT'S COVENANT NOT TO SUE

48. In consideration of the United States' Covenant Not To Sue in Section VIII of this Agreement, Settling Respondent hereby covenants not to sue and not to assert any claims or causes of action against the United States, its authorized officers, employees, or representatives, with respect to the Site or this Agreement, including, but not limited to, any direct or indirect claims for reimbursement from the Hazardous Substance Superfund established pursuant to the Internal Revenue Code, 26 U.S.C. § 9507, through CERCLA Sections 106(b)(2), 111, 112, 113, 42 U.S.C. §§ 9606(b)(2), 9611, 9612, 9613, or any other provision of law; any claim against the United States, including any department, agency or instrumentality of the United States, under CERCLA Sections 107 or 113, 42 U.S.C. §§ 9607, 9613, related to the Site; or any claims arising out of response activities at the Site, including claims based on EPA's oversight of such activities or approval of plans for such activities.

49. Settling Respondent reserves, and this Agreement is without

prejudice to, actions against the United States based on negligent actions taken directly by the United States, not including oversight or approval of the Settling Respondent's plans or activities, that are brought pursuant to any statute other than CERCLA or RCRA and for which the waiver of sovereign immunity is found in a statute other than CERCLA or RCRA.

Nothing herein shall be deemed to constitute preauthorization of a claim within the meaning of Section 111 of CERCLA, 42 U.S.C. § 9611, or 40 C.F.R. § 300.700(d).

XI. PARTIES BOUND/TRANSFER OF COVENANT

50. This Agreement shall apply to and be binding upon the United States and shall apply to and be binding on Settling Respondent, its officers, directors, employees, and agents. Each signatory of a Party to this Agreement represents that he or she is fully authorized to enter into the terms and conditions of this Agreement and to legally bind such Party.

51. Notwithstanding any other provisions of this Agreement, all of the rights, benefits and obligations conferred upon Settling Respondent under this Agreement may be assigned or transferred in whole or in part with the prior written consent of EPA at its sole discretion, to any person to whom Settling Respondent may sell, lease, assign or transfer all or portions of the Property,

and this Agreement shall apply to the purchaser, lessee, assignee or transferee with respect to the Property or the portion thereof transferred. Provided, however, that Settling Respondent may, in connection with the initial acquisition of the Property or portion thereof, transfer the Property or portion that it has acquired to a party Settling Respondent has identified to EPA in writing at least thirty (30) days prior to the closing of the assignment or transfer, and as to whom EPA has not objected within thirty (30) days. If the EPA has not objected to the proposed assignee or transferee within thirty (30) days of its receipt of such written notice, such assignment or transfer shall be deemed approved.

52. Settling Respondent agrees to pay the reasonable costs incurred by EPA to review any subsequent requests for consent to assign or transfer the Property or this Agreement.

53. In the event of an assignment or transfer of the Property, or of this Agreement, or an assignment or transfer of an interest in the Property, the assignor or transferor shall continue to be bound by all the terms and conditions, and be subject to all the benefits, of this Agreement, except to the extent that EPA and the assignor or transferor otherwise agree and accordingly modify this Agreement, in writing. Moreover, prior to or simultaneous

with any assignment or transfer of the Property, the assignee or transferee must consent in writing to be bound by the terms of this Agreement including, but not limited to, the certification requirement in Section VII of this Agreement in order for the Covenant Not to Sue in Section VIII of this Agreement to be available to that party. The Covenant Not To Sue in Section VIII shall not be effective with respect to any assignees or transferees who fail to provide such written consent to EPA.

XII. DISCLAIMER

54. This Agreement in no way constitutes a finding by EPA as to the risks to human health and the environment that may be posed by contamination at the Property or the Site, nor constitutes any representation by EPA that the Property or the Site is fit for any particular purpose.

XIII. DOCUMENT RETENTION

55. Settling Respondent agrees to retain and make available to EPA all business and operating records, contracts, site studies and investigations, and documents relating to operations at the Property, for at least ten years following the effective date of this Agreement, unless otherwise agreed to in writing by the Parties. At the end of ten years, Settling Respondent shall notify EPA of the location of such documents and shall provide

EPA with an opportunity to copy any documents at EPA's expense.

XIV. PAYMENT OF COSTS

56. If Settling Respondent fails to comply with the terms of this Agreement including, but not limited to, the provisions of Section IV (Payment) of this Agreement, it shall be liable for all litigation and other enforcement costs incurred by the United States to enforce this Agreement or otherwise obtain compliance.

XV. NOTICES AND SUBMISSIONS

57. Notices to Settling Respondent shall be sent to:

Ford Leasing Development Company
One Parklane Boulevard
Suite 1500 East
Dearborn, MI 48126
attention: N.E. Sirosky

with a copy to

Michael Laber, Esq.
Office of the General Counsel
Ford Motor Company
Parklane Towers East, Suite 728
One Parklane Boulevard
Dearborn, MI 78126-2493

58. Notices to EPA shall be sent to:

Marie M. Rongone
Assistant Regional Counsel
ORC-3
U.S. EPA Region IX
75 Hawthorne St.
San Francisco, CA 94105

with copies to:

Duane James
Remedial Project Manager
SFD-7-4
U.S. EPA Region IX
75 Hawthorne St.
San Francisco, CA 94105

and

David Glazer
Department of Justice

301 Howard St., Suite 870
San Francisco, CA 94105

XVI. EFFECTIVE DATE

59. Settling Respondent plans to take possession or control of a portion of the Property, at its own risk, before EPA completes its review of the public comments pursuant to Paragraph 68 of this Agreement, and possibly before the Superfund Division Director and the Assistant Attorney General consent to and execute this Agreement. If the Superfund Division Director and the Assistant Attorney General execute this Agreement and the United States does not withdraw its consent to this Agreement after reviewing public comments, then the effective date of this Agreement shall be the date upon which Settling Respondent took possession or control of any portion of the Property. If the Superfund Division Director or the Attorney General does not execute this Agreement, or if EPA withdraws or modifies its consent to this Agreement after reviewing public comments, then there is no Agreement and no effective date.

XVII. TERMINATION

60. If any Party believes that any or all of the obligations under Section V (Access/Notice to Successors-in-Interest) are no longer necessary to ensure compliance with the requirements of this Agreement, that Party may request in writing that the other

Party agree to terminate the provision(s) establishing such obligations; provided, however, that the provision(s) in question shall continue in force unless and until the party requesting such termination receives written agreement from the other party to terminate such provision(s).

XVIII. CONTRIBUTION PROTECTION

61. With regard to claims for contribution against Settling Respondent, the Parties hereto agree that the Settling Respondent is entitled to protection from contribution actions or claims as provided by CERCLA Section 113(f)(2), 42 U.S.C. § 9613(f)(2), for matters addressed in this Agreement. The matters addressed in this Agreement are all response actions taken or to be taken and response costs incurred or to be incurred by the United States or any other person for the Site with respect to the Existing Contamination.

62. Settling Respondent agrees that, with respect to any suit or claim for contribution brought by it for matters related to this Agreement it will notify the United States in writing no later than sixty (60) days prior to the initiation of such suit or claim.

63. Settling Respondent also agrees that, with respect to any suit or claim for contribution brought against it for matters

related to this Agreement, it will notify in writing the United States within ten (10) days of service of the complaint on it.

XIX. EXHIBITS

64. Exhibit 1 shall mean the description of certain real property that is the subject of this Agreement.

65. Exhibit 2 shall mean the description of certain additional real property that is also the subject of this Agreement.

66. Exhibit 3 shall mean the map depicting the Site.

67. Exhibit 4 shall mean the depiction of Settling Respondent's proposed redevelopment Site Plan for the Property.

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XXI. PUBLIC COMMENT

68. This Agreement shall be subject to a thirty-day public comment period, after which the United States may modify or withdraw its consent to this Agreement if comments received disclose facts or considerations that indicate that this Agreement is inappropriate, improper or inadequate.

IT IS SO AGREED:

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

BY:

Keith Takata
Chief, Superfund Division
Region IX

Date

IT IS SO AGREED:

BY:

Lois Schiffer
Assistant Attorney General
Environment and Natural Resources Division
U.S. Department of Justice

Date

IT IS SO AGREED:

Ford Leasing Development Company,
a Delaware corporation

BY:

N.E. Sinosky 5/29/98
Name and Title N.E. Sinosky Date
VICE PRESIDENT

Marie M. Rongone
Assistant Regional Counsel
United States Environmental
Protection Agency
75 Hawthorne St., ORC-3
San Francisco, CA 94105
(415) 744-1313

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION IX

IN THE MATTER OF:	)	
San Fernando Valley	)	[Docket Number]
Area 2 (Crystal Springs)	)	
Glendale Operable Units	)	
UNDER THE AUTHORITY OF THE	)	AGREEMENT AND COVENANT
COMPREHENSIVE ENVIRONMENTAL	)	NOT TO SUE FORD LEASING
RESPONSE, COMPENSATION, AND	)	DEVELOPMENT COMPANY
LIABILITY ACT OF 1980, 42 U.S.C.	)	
§ 9601, <u>et seq.</u> , as amended.	)	
<hr/>	)	

I. INTRODUCTION

1. This Agreement and Covenant Not to Sue ("Agreement") is made and entered into by and between the United States Environmental Protection Agency ("EPA") and Ford Leasing Development Company, a Delaware corporation ("Ford") (collectively "the Parties").

2. This Agreement is entered into pursuant to the Comprehensive Environmental Response, Compensation, and Liability Act of 1980, as amended ("CERCLA"), 42 U.S.C. § 9601, et seq., and the authority of the Attorney General of the United States to compromise and settle claims of the United States.

3. Ford ("Settling Respondent") is principally officed at One Parklane Boulevard, Suite 1500 East, Dearborn, Michigan, 48126. On or about June 27, 1997, Herbert F. Boeckmann, II, entered into an option agreement with ZERO Corporation ("ZERO"), and later assigned the option agreement to Settling Respondent. Subject to certain terms and conditions, the option agreement provides an option to the Settling Respondent to purchase certain improved real property located in the City of Burbank, County of Los Angeles, State of California, which is located at the southwest corner of Burbank Boulevard and Front Street, and which is more particularly described in Exhibit 1 to this Agreement. Settling

Respondent intends to develop such real property and certain other parcels of real property currently owned by the City of Burbank, with respect to which Settling Respondent has entered into an agreement or option to purchase, and which are more particularly described in Exhibit 2 to this Agreement, into a retail automobile dealership mall with related amenities ("the Project"). (The real property described in Exhibits 1 and 2 is collectively referred to as the "Property").

4. Portions of the Property currently include certain improvements, including approximately six buildings that from approximately 1962 through 1991 housed certain manufacturing operations. Since 1991, portions of the Property have been rented for location services and other marginal uses.

5. The Property consists of a total of approximately 12.1 acres. A portion of the Property was previously owned and operated by ZERO (see Exhibit 1). A portion of the Property currently is owned and operated by the City of Burbank (see Exhibit 2).

6. The Property is located within the San Fernando Valley Area 2 Crystal Springs Superfund Site.

7. The Parties agree to undertake all actions required by the terms and conditions of this Agreement. The purpose of this

Agreement is to settle and resolve, subject to the reservations and limitations contained herein, the potential liability of the Settling Respondent for the Existing Contamination (as defined below) at the Property which otherwise would arise under Sections 106 and/or 107(a) of CERCLA, 42 U.S.C. §§ 9606 and 9607(a), and/or Section 7003 of RCRA, 42 U.S.C. § 6973.

8. The Parties agree that the Settling Respondent's entry into this Agreement, and the actions undertaken by the Settling Respondent in accordance with the Agreement, do not constitute an admission of any liability by the Settling Respondent.

The resolution of this potential liability, in exchange for provision by the Settling Respondent to EPA of a substantial benefit, is in the public interest.

II. DEFINITIONS

9. Unless otherwise expressly provided herein, terms used in this Agreement that are defined in CERCLA or in regulations promulgated under CERCLA shall have the meaning assigned to them in CERCLA or in such regulations, including any amendments thereto.

10. "EPA" shall mean the United States Environmental Protection Agency and any successor departments or agencies of the United States.

11. "Existing Contamination" shall mean:

a. Any hazardous substances, pollutants or contaminants, present or existing on or under the Site as of the effective date of this Agreement and for which Settling Respondent is not presently liable in any way.

b. Any hazardous substances, pollutants or contaminants that (1) migrated from the Property prior to the effective date of this Agreement; or (2) migrate from the Property after the effective date of this Agreement, provided that Settling Respondent is not presently liable in any way for such hazardous substances, pollutants or contaminants and does not cause or contribute to the migration of such hazardous substances, pollutants or contaminants from the Property.

c. Any hazardous substances, pollutants or contaminants that migrate onto or under the Property after the effective date of this Agreement, provided that Settling Respondent is not presently liable in any way for such hazardous substances, pollutants or contaminants and does not cause or contribute to the migration of such hazardous substances, pollutants or contaminants onto or under the Property.

12. "Parties" shall mean EPA and the Settling Respondent.

13. "Property" shall mean that certain real property which is

described in Exhibits 1 and 2 of this Agreement.

14. "Settling Respondent" shall mean Ford and any assignee or transferee of this Agreement pursuant to paragraphs 51, 52 and 53.

15. "Site" shall mean the San Fernando Valley Area 2 Crystal Springs Superfund Site generally encompassing the cities of Burbank and Glendale in the State of California. The Site is depicted generally on the map attached as Exhibit 3. The Site shall include the Property, and all areas to which hazardous substances and/or pollutants or contaminants have come to be located.

16. "United States" shall mean the United States of America, its departments, agencies, and instrumentalities.

III. STATEMENT OF FACTS

17. Settling Respondent is in the business of acquiring, developing and building automobile dealerships and related amenities for sale or lease to dealerships.

18. Settling Respondent plans to acquire the Property and construct an automobile dealership mall and related amenities thereon. A preliminary project plan for the Project is included in Exhibit 4 hereto.

19. The Property consists of approximately 12.1 acres that were,

in part, formerly used and zoned for industrial use and have been owned and operated by ZERO (see Exhibit 1) or the City of Burbank (see Exhibit 2). The Property is within the San Fernando Valley Area 2, Crystal Springs Superfund Site (hereinafter "Site"). The Site includes the Glendale North and South Operable Units. The Site includes contamination to regional groundwater as the result of volatile organic compounds ("VOCs") including, but not limited to, trichloroethylene ("TCE") and tetrachloroethylene ("PCE"), as well as areas to which the contamination has migrated.

20. Based on subsurface contamination at portions of the Property, ZERO has been included in EPA's enforcement actions at the Site.

21. The Property is within a City of Burbank redevelopment plan area. Such area includes blighted properties. The goal of the redevelopment plan is to revitalize said blighted properties in the redevelopment area by putting them to a more productive and beneficial use.

22. The City of Burbank considers the Settling Respondent's Project to be in the best interests of the public.

23. The City of Burbank supports the Project and has so notified EPA.

24. Settling Respondent's Project will convert the marginally

productive Property into a more productive and beneficial retail use.

25. Settling Respondent's Project will generate substantial benefits for the City of Burbank and the public at large. These benefits include long term economic benefits from the retail sales tax revenues generated by the Project. In addition, the Property will result in sales tax revenue on construction. Other income will be derived from property tax revenues, business license taxes, and other government fees.

26. The City of Burbank stands to benefit further from the Project, not only due to the sales tax revenues, but also because the Project is expected to encourage further redevelopment in the area.

27. The Property is located within the Site. EPA has collected information and conducted its own investigation of the Site. A portion of the Property has been known to EPA and referred to in certain EPA documents as the ZERO facility.

28. Settling Respondent does not operate a facility within the Site and is not, and has never been, named or identified as a responsible party for or at the Site.

29. Settling Respondent's Project will create a substantial number of construction-related jobs and an estimated 125-150

employment positions.

30. Settling Respondent's Project will provide substantial and meaningful employment. The workforce will be engaged in jobs requiring varying degrees of training, and many of the workers will be highly skilled at their positions. These new jobs are particularly important to the City of Burbank because of the substantial loss of the aerospace industry employment.

31. As a part of Settling Respondent's Project, Settling Respondent will contribute to public art in the City of Burbank.

32. Settling Respondent's Project is located immediately adjacent to the "Metrolink" station, thereby promoting the use of mass transport for employees, service department customers, and/or prospective automobile purchasers.

33. Settling Respondent represents that it anticipates that automobile dealerships that will occupy the Property will be active in community and civic affairs and will support community services through such participation in the community surrounding the Project.

34. Settling Respondent represents, and for the purposes of this Agreement EPA relies on said representations, that Settling Respondent's involvement with the Property has been limited to inspecting and performing environmental and other due diligence

with respect to the Property in connection with Settling Respondent's proposed acquisition of the Property, and completing its acquisition of the Zero portion of the Property.

IV. PAYMENT

35. In consideration of and in exchange for the United States' Covenant Not to Sue in Section VIII herein, Settling Respondent agrees to pay to EPA the sum of \$ 150,000, within thirty (30) days of the later of either: (1) the date that Settling Respondent takes title to the Property, or (2) the date that Settling Respondent receives notice from the EPA that the public comment period for this Agreement has expired and that the United States has determined not to withdraw its consent to this Agreement. The Settling Respondent shall make all payments required by this Agreement in the form of a certified check or checks made payable to "EPA Hazardous Substance Superfund," referencing the EPA Region IX, EPA Docket number, and Site/Spill ID # 091G, 091H, and 09N2, DOJ case number_____, if applicable, and the name and address of Settling Respondent. The Settling Respondent shall send such payments to the following address:

U.S. EPA
Region IX, Attn: Superfund Accounting
P.O. Box 360863M

Pittsburgh, PA 15251

Notice of payment shall be sent to those persons listed in Section XV (Notices and Submissions) and to EPA Region IX Financial Management Officer:

Catherine Shen
Financial Management Specialist (PMD-6)
USEPA Region IX
75 Hawthorne St.
San Francisco, CA 94105

The total amount to be paid to EPA shall be placed in the Glendale Special Account and used to conduct or finance the response action at or in connection with the Glendale North and South Operable Units. Any balance remaining in the Glendale Special Account at the completion of the response at or in connection with the Glendale North and South Operable Units shall be deposited in the EPA Hazardous Substance Superfund.

36. Amounts due and owing pursuant to the terms of this Agreement but not paid in accordance with the terms of this Agreement shall accrue interest at the rate established pursuant to Section 107(a) of CERCLA, 42 U.S.C. § 9607(a), compounded on an annual basis.

37. If Settling Respondent does not perform pursuant to paragraphs 33 and 34 of this Agreement, Settling Respondent may be deemed to be in material default of this Agreement.

V. ACCESS/NOTICE TO

SUCCESSORS-IN-INTEREST

38. Commencing upon the date that it acquires title to any part of the Property, Settling Respondent agrees to provide to EPA, its authorized officers, employees, representatives, and all other persons performing response actions under EPA or state oversight, an irrevocable right of access at all reasonable times to the portions of the Property it has acquired and to any other property to which access is required for the implementation of response actions at the Site, to the extent access to such other property is controlled by Settling Respondent, for the purposes of performing and overseeing response actions at the Site under federal and state law. EPA agrees to provide reasonable notice to Settling Respondent of the timing of response actions to be undertaken at the Property if such actions are undertaken by EPA and will use reasonable efforts to minimize interference with the use of the Property; provided, however, that nothing herein shall provide Settling Respondent with a claim or cause of action against EPA including, without limitation, any claim or cause of action for injunctive relief. Notwithstanding any provision of this Agreement, EPA retains all of its access authorities and rights, including enforcement authorities related thereto, under

CERCLA, the Solid Waste Disposal Act, as amended by the Resource Conservation and Recovery Act, 42 U.S.C. § 6901, ("RCRA") et. seq., and any other applicable statute or regulation, including any amendments thereto.

39. Within thirty (30) days after the later of either (a) the effective date of this Agreement, or (b) the date that Settling Respondent receives notice from the EPA that the public comment period for this Agreement has expired and that the United States has determined not to withdraw its consent to this Agreement, Settling Respondent shall record a certified copy of this Agreement with the Recorder's Office or Registry of Deeds for Los Angeles County, State of California. Thereafter, each deed, title, or other instrument conveying an interest in the portions of the Property Settling Respondent has acquired shall contain a notice stating that the Property is subject to this Agreement. A copy of these documents should be sent to the persons listed in Section XV (Notices and Submissions).

40. Settling Respondent shall ensure that assignees, successors-in-interest, lessees, and sublessees of the portions of the Property Settling Respondent has acquired shall provide the same access and cooperation as required of Settling Respondent under the terms of this Agreement. Settling Respondent shall ensure

that a copy of this Agreement is provided to any current lessee or sublessee on the portions of the Property Settling Defendant has acquired as of the effective date of this Agreement and shall ensure that any subsequent leases, subleases, assignments or transfers of the Property or an interest in the Property are consistent with this Section, and Section XI (Parties Bound/Transfer of Covenant), of this Agreement.

VI. DUE CARE/COOPERATION

41. Settling Respondent shall exercise due care at the Site with respect to the Existing Contamination and shall comply with all applicable local, State, and federal laws and regulations.

Settling Respondent recognizes that the implementation of response actions at the Site may interfere with Settling Respondent's use of the Property and may require closure of its operations or a part thereof. Settling Respondent agrees to cooperate fully with EPA in the implementation of response actions at the Site and further agrees not to interfere with such response actions. EPA agrees, consistent with its responsibilities under applicable law, to use reasonable efforts to minimize any interference with Settling Respondent's operations by such entry and response. In the event Settling Respondent becomes aware of any action or occurrence that causes

or threatens a release of hazardous substances, pollutants or contaminants at or from the Property that constitutes an emergency situation or that may present an immediate threat to the public health or welfare or the environment, Settling Respondent shall immediately take all appropriate action to prevent, abate, or minimize such release or threat of release, and shall, in addition to complying with any applicable notification requirements under Section 103 of CERCLA, 42 U.S.C. §9603, or any other law, immediately notify EPA of such release or threatened release.

VII. CERTIFICATION

42. By entering into this agreement, Settling Respondent certifies that to the best of its knowledge and belief it has fully and accurately disclosed to EPA all information known to Settling Respondent and all information in the possession or control of its officers, directors, employees, contractors and agents that relates in any way to any Existing Contamination or any past or potential future release of hazardous substances, pollutants or contaminants at or from the Property or otherwise relates in any way to its qualification for this Agreement; provided, however, that Settling Respondent shall not be obligated to disclose any privileged or confidential

communications with the exception of any data that may be contained therein. Settling Respondent also certifies that, to the best of its knowledge and belief, it has not caused or contributed to a release or threat of release of hazardous substances or pollutants or contaminants at the Site. If the United States determines that information provided by Settling Respondent is not materially accurate and complete, the Agreement, at the sole discretion of the United States, shall be voidable and the United States reserves all rights it may have in the event of such occurrence.

VIII. UNITED STATES' COVENANT NOT TO SUE

43. Subject to the Reservation of Rights in Section IX of this Agreement, upon payment of the amount specified in Section IV (Payment) of this Agreement, the United States covenants not to sue or take any other civil or administrative action against Settling Respondent for any and all civil liability for injunctive relief or reimbursement of response costs pursuant to Sections 106 or 107(a) of CERCLA, 42 U.S.C. §§ 9606 or 9607(a), or Section 7003 of RCRA, 42 U.S.C. § 6973 with respect to the Existing Contamination.

IX. RESERVATION OF RIGHTS

44. The covenant not to sue set forth in Section VIII, above

(United States' Covenant Not to Sue), does not pertain to any matters other than those expressly specified therein. The United States reserves, and this Agreement is without prejudice to, all rights against Settling Respondent with respect to all other matters including, but not limited to, the following:

a. claims based on a failure by Settling Respondent to meet a requirement of this Agreement including, but not limited to, Section IV (Payment), Section V (Access/Notice to Successors-in-Interest), Section VI (Due Care/Cooperation), and Section XIV (Payment of Costs);

b. any liability resulting from past or future releases of hazardous substances, pollutants or contaminants at or from the Site caused or contributed to by Settling Respondent, its successors, assignees, lessees or sublessees;

c. any liability resulting from exacerbation by Settling Respondent, its successors, assignees, lessees or sublessees, of Existing Contamination;

d. any liability resulting from the release or threat of release of hazardous substances, pollutants or contaminants at or from the Site after the effective date of this Agreement, not within the definition of Existing Contamination;

e. criminal liability;

f. liability for damages for injury to, destruction of, or loss of natural resources and for the costs of any natural resource damage assessment incurred by federal agencies other than EPA; and

g. liability for violations by Settling Respondent of local, state or federal law or regulations.

45. With respect to any claim or cause of action asserted by the United States, Settling Respondent shall bear the burden of proving that the claim or cause of action, or any part thereof, is attributable solely to Existing Contamination.

46. Nothing in this Agreement is intended as a release or covenant not to sue for any claim or cause of action, administrative or judicial, civil or criminal, past or future, in law or in equity, that the United States may have against any person, firm, corporation or other entity not a party to this Agreement.

47. Except as provided in Paragraphs 51 and 53 of this Agreement, nothing in this Agreement is intended to limit the right of EPA to undertake future response actions at the Site or to seek to compel parties other than Settling Respondent to perform or pay for response actions at the Site. Nothing in this Agreement shall in any way restrict or limit the nature or scope

of the response actions that may be taken or be required by EPA in exercising its authority under federal law. Settling Respondent acknowledges that it is purchasing property where response actions may be required.

X. SETTLING RESPONDENT'S COVENANT NOT TO SUE

48. In consideration of the United States' Covenant Not To Sue in Section VIII of this Agreement, Settling Respondent hereby covenants not to sue and not to assert any claims or causes of action against the United States, its authorized officers, employees, or representatives, with respect to the Site or this Agreement, including, but not limited to, any direct or indirect claims for reimbursement from the Hazardous Substance Superfund established pursuant to the Internal Revenue Code, 26 U.S.C. § 9507, through CERCLA Sections 106(b)(2), 111, 112, 113, 42 U.S.C. §§ 9606(b)(2), 9611, 9612, 9613, or any other provision of law; any claim against the United States, including any department, agency or instrumentality of the United States, under CERCLA Sections 107 or 113, 42 U.S.C. §§ 9607, 9613, related to the Site; or any claims arising out of response activities at the Site, including claims based on EPA's oversight of such activities or approval of plans for such activities.

49. Settling Respondent reserves, and this Agreement is without

prejudice to, actions against the United States based on negligent actions taken directly by the United States, not including oversight or approval of the Settling Respondent's plans or activities, that are brought pursuant to any statute other than CERCLA or RCRA and for which the waiver of sovereign immunity is found in a statute other than CERCLA or RCRA. Nothing herein shall be deemed to constitute preauthorization of a claim within the meaning of Section 111 of CERCLA, 42 U.S.C. § 9611, or 40 C.F.R. § 300.700(d).

XI. PARTIES BOUND/TRANSFER OF COVENANT

50. This Agreement shall apply to and be binding upon the United States and shall apply to and be binding on Settling Respondent, its officers, directors, employees, and agents. Each signatory of a Party to this Agreement represents that he or she is fully authorized to enter into the terms and conditions of this Agreement and to legally bind such Party.

51. Notwithstanding any other provisions of this Agreement, all of the rights, benefits and obligations conferred upon Settling Respondent under this Agreement may be assigned or transferred in whole or in part with the prior written consent of EPA at its sole discretion, to any person to whom Settling Respondent may sell, lease, assign or transfer all or portions of the Property,

and this Agreement shall apply to the purchaser, lessee, assignee or transferee with respect to the Property or the portion thereof transferred. Provided, however, that Settling Respondent may, in connection with the initial acquisition of the Property or portion thereof, transfer the Property or portion that it has acquired to a party Settling Respondent has identified to EPA in writing at least thirty (30) days prior to the closing of the assignment or transfer, and as to whom EPA has not objected within thirty (30) days. If the EPA has not objected to the proposed assignee or transferee within thirty (30) days of its receipt of such written notice, such assignment or transfer shall be deemed approved.

52. Settling Respondent agrees to pay the reasonable costs incurred by EPA to review any subsequent requests for consent to assign or transfer the Property or this Agreement.

53. In the event of an assignment or transfer of the Property, or of this Agreement, or an assignment or transfer of an interest in the Property, the assignor or transferor shall continue to be bound by all the terms and conditions, and be subject to all the benefits, of this Agreement, except to the extent that EPA and the assignor or transferor otherwise agree and accordingly modify this Agreement, in writing. Moreover, prior to or simultaneous

with any assignment or transfer of the Property, the assignee or transferee must consent in writing to be bound by the terms of this Agreement including, but not limited to, the certification requirement in Section VII of this Agreement in order for the Covenant Not to Sue in Section VIII of this Agreement to be available to that party. The Covenant Not To Sue in Section VIII shall not be effective with respect to any assignees or transferees who fail to provide such written consent to EPA.

XII. DISCLAIMER

54. This Agreement in no way constitutes a finding by EPA as to the risks to human health and the environment that may be posed by contamination at the Property or the Site, nor constitutes any representation by EPA that the Property or the Site is fit for any particular purpose.

XIII. DOCUMENT RETENTION

55. Settling Respondent agrees to retain and make available to EPA all business and operating records, contracts, site studies and investigations, and documents relating to operations at the Property, for at least ten years following the effective date of this Agreement, unless otherwise agreed to in writing by the Parties. At the end of ten years, Settling Respondent shall notify EPA of the location of such documents and shall provide

EPA with an opportunity to copy any documents at EPA's expense.

XIV. PAYMENT OF COSTS

56. If Settling Respondent fails to comply with the terms of this Agreement including, but not limited to, the provisions of Section IV (Payment) of this Agreement, it shall be liable for all litigation and other enforcement costs incurred by the United States to enforce this Agreement or otherwise obtain compliance.

XV. NOTICES AND SUBMISSIONS

57. Notices to Settling Respondent shall be sent to:

Ford Leasing Development Company
One Parklane Boulevard
Suite 1500 East
Dearborn, MI 48126
attention: N.E. Siroskey

with a copy to

Michael Laber, Esq.
Office of the General Counsel
Ford Motor Company
Parklane Towers East, Suite 728
One Parklane Boulevard
Dearborn, MI 78126-2493

58. Notices to EPA shall be sent to:

Marie M. Rongone
Assistant Regional Counsel
ORC-3
U.S. EPA Region IX
75 Hawthorne St.
San Francisco, CA 94105

with copies to:

Duane James
Remedial Project Manager
SFD-7-4
U.S. EPA Region IX
75 Hawthorne St.
San Francisco, CA 94105

and

David Glazer
Department of Justice

301 Howard St., Suite 870
San Francisco, CA 94105

XVI. EFFECTIVE DATE

59. Settling Respondent plans to take possession or control of a portion of the Property, at its own risk, before EPA completes its review of the public comments pursuant to Paragraph 68 of this Agreement, and possibly before the Superfund Division Director and the Assistant Attorney General consent to and execute this Agreement. If the Superfund Division Director and the Assistant Attorney General execute this Agreement and the United States does not withdraw its consent to this Agreement after reviewing public comments, then the effective date of this Agreement shall be the date upon which Settling Respondent took possession or control of any portion of the Property. If the Superfund Division Director or the Attorney General does not execute this Agreement, or if EPA withdraws or modifies its consent to this Agreement after reviewing public comments, then there is no Agreement and no effective date.

XVII. TERMINATION

60. If any Party believes that any or all of the obligations under Section V (Access/Notice to Successors-in-Interest) are no longer necessary to ensure compliance with the requirements of this Agreement, that Party may request in writing that the other

Party agree to terminate the provision(s) establishing such obligations; provided, however, that the provision(s) in question shall continue in force unless and until the party requesting such termination receives written agreement from the other party to terminate such provision(s).

XVIII. CONTRIBUTION PROTECTION

61. With regard to claims for contribution against Settling Respondent, the Parties hereto agree that the Settling Respondent is entitled to protection from contribution actions or claims as provided by CERCLA Section 113(f)(2), 42 U.S.C. § 9613(f)(2), for matters addressed in this Agreement. The matters addressed in this Agreement are all response actions taken or to be taken and response costs incurred or to be incurred by the United States or any other person for the Site with respect to the Existing Contamination.

62. Settling Respondent agrees that, with respect to any suit or claim for contribution brought by it for matters related to this Agreement it will notify the United States in writing no later than sixty (60) days prior to the initiation of such suit or claim.

63. Settling Respondent also agrees that, with respect to any suit or claim for contribution brought against it for matters

related to this Agreement, it will notify in writing the United States within ten (10) days of service of the complaint on it.

XIX. EXHIBITS

64. Exhibit 1 shall mean the description of certain real property that is the subject of this Agreement.

65. Exhibit 2 shall mean the description of certain additional real property that is also the subject of this Agreement.

66. Exhibit 3 shall mean the map depicting the Site.

67. Exhibit 4 shall mean the depiction of Settling Respondent's proposed redevelopment Site Plan for the Property.

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XXI. PUBLIC COMMENT

68. This Agreement shall be subject to a thirty-day public comment period, after which the United States may modify or withdraw its consent to this Agreement if comments received disclose facts or considerations that indicate that this Agreement is inappropriate, improper or inadequate.

IT IS SO AGREED:

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

BY:

Keith Takata
Chief, Superfund Division
Region IX

Date

IT IS SO AGREED:

BY:

Lois Schiffer
Assistant Attorney General
Environment and Natural Resources Division
U.S. Department of Justice

Date

IT IS SO AGREED:

Ford Leasing Development Company,
a Delaware corporation

BY:

N.E. Siroshon 5/29/98
Name and Title N.E. SIROSKY Date
VICE PRESIDENT



Winston H. Hickox
Secretary for
Environmental
Protection

California Regional Water Quality Control Board

Los Angeles Region

Over 50 Years Serving Coastal Los Angeles and Ventura Counties
Recipient of the 2001 *Environmental Leadership Award* from Keep California Beautiful

320 W. 4th Street, Suite 200, Los Angeles, California 90013
Phone (213) 576-6600 FAX (213) 576-6640 - Internet Address: <http://www.swrcb.ca.gov/rwqcb4>



Gray Davis
Governor

November 28, 2001

Mr. Ronald D. Habel
APW North America, Inc.
18 Maplewood Drive
Wilbraham, MA 01095

**NO FURTHER REQUIREMENTS - FORMER ZERO CORPORATION FACILITY,
777 FRONT STREET, BURBANK, CALIFORNIA (FILE NO. (109.6162;PCA NO. 2046J)**

Dear Mr. Habel:

We are in receipt of the *Supplemental Site Closure Information* report, dated August 23, 2001, prepared by Hydro-Geo-Chem Inc., for the subject site. The report contains the results of the soil vapor rebound sampling following the completion of additional soil vapor extraction in impacted areas designated as Phase 2 (Deep Soil Vapor Extraction Program) for removal of tetrachloroethylene (PCE) and trichloroethylene (TCE) contamination. The report also contained your request for no further action based on the submitted laboratory analytical results.

Laboratory analysis of soil vapor samples detected rebound concentrations of 11 µg/L for PCE in Well B-2 at 25 feet below ground surface (bgs). TCE concentrations were reduced to non-detect at 85 feet bgs. No other volatile organic compounds (VOC) were detected above the laboratory detection limits. Groundwater beneath the site is reported to be encountered at depths ranging from 94 feet bgs in MW-3 to 126 feet bgs in MW-7.

Based on our review of the available information and with the provision that the information provided to this agency was accurate and representative of site conditions, we have no further requirements for VOC soil contamination with respect to the San Fernando Valley Cleanup Program at the subject site.

The relatively small volume of impacted soil, attenuation of concentrations with depth, and the diminished concentration of VOCs remaining in the soil appear not to pose a present or continuing threat to groundwater quality. Therefore, no further VOC assessment or cleanup of soil is warranted.

California Environmental Protection Agency

The energy challenge facing California is real. Every Californian needs to take immediate action to reduce energy consumption
For a list of simple ways to reduce demand and cut your energy costs, see the tips at: <http://www.swrcb.ca.gov/news/echallenge.html>



Our mission is to preserve and enhance the quality of California's water resources for the benefit of present and future generations.

**RESULTS OF SITE REMEDIATION AND
REQUEST FOR NO FURTHER ACTION**

**FORMER APW FACILITY
777 FRONT STREET
BURBANK, CALIFORNIA**

(RWQCB File No. 109.6162)

Prepared for:

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
320 West 4th Street, Suite 200
Los Angeles, California 90013

Prepared by:

HYDRO GEO CHEM, INC.
51 W. Wetmore, Suite 101
Tucson, Arizona 85705
(520) 293-1500

April 5, 2001

**RESULTS OF SITE REMEDIATION AND
REQUEST FOR NO FURTHER ACTION**

**FORMER APW FACILITY
777 FRONT STREET
BURBANK, CALIFORNIA**

(RWQCB File No. 109.6162)

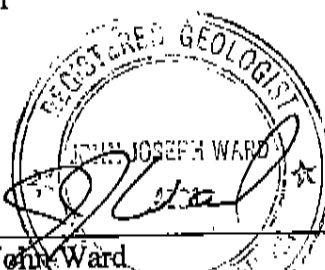
Prepared for:

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
320 West 4th Street, Suite 200
Los Angeles, California 90013

Prepared by:

HYDRO GEO CHEM, INC.
51 W. Wetmore, Suite 101
Tucson, Arizona 85705
(520) 293-1500

Approved by: _____


John Ward
Associate Hydrogeologist
California Registered Geologist
No. 4101

April 5, 2001

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EXECUTIVE SUMMARY

This report describes remedial action completed at the former APW facility in Burbank, California, and provides the basis for a No Further Action (NFA) determination for the facility. Remediation was performed at the facility between May 1998 and October 2000 and has consisted of two phases of soil vapor extraction (SVE) for removal of volatile organic compounds (VOCs) in site soil. Each phase's remedial plans were approved by the California Regional Water Quality Control Board (Board) and remedial progress reports were regularly submitted to the Board. Active SVE was discontinued in mid-October 2000 to begin closure verification activities, pursuant to the Phase 2 No Further Action Plan (June 26, 2000) as approved by the Board.

Since remediation began in May 1998, approximately 8,000 pounds of VOCs have been removed from site soil via SVE. Of this total mass, 71% (5,700 pounds) consisted of chlorinated VOCs and 29% (2,300 pounds) consisted of petroleum hydrocarbon constituents. The occurrence of these petroleum hydrocarbons in the SVE influent stream was unexpected and extended the period of remediation.

Of the chlorinated VOC mass, approximately 70% was tetrachloroethene (PCE), 20% was trichloroethene (TCE), 7% was 1,1-dichloroethene (1,1-DCE), and 3% was 1,1,1-trichloroethane (1,1,1-TCA). More than 80% of the VOC mass was removed between May 1998 and mid-1999. During this period, VOC mass removal rates were a maximum of 30 pounds per day and an average of 15 pounds per day. From January to October 2000, the VOC mass removal rate averaged about 1.5 pounds per day, with approximately 10% of this mass consisting of chlorinated VOCs and 90% petroleum hydrocarbon constituents.

VOC concentrations have declined significantly in all areas. The decline in total VOCs in the 60 monitoring points used to assess remedial progress ranged between 94% and 99.8%, and averaged 99%. Maximum soil gas concentrations, detected in the shallowest sample at Boring B-2, declined from greater than 36,000 to 710 micrograms per liter, a 98% reduction.

VOC concentrations in all site soil between the land surface and approximately 60 to 85 feet below land surface declined below Phase 1 or Phase 2 cleanup goals for chlorinated VOCs and the soil cleanup standards for petroleum hydrocarbons. Analytical results from a few of the monitoring points closest to the water table indicate that VOC concentrations, mainly TCE, slightly exceed cleanup goals, and that the SVE remedial activities do not appear effective at reducing these concentrations. The TCE concentrations in the deep soil gas samples are believed to result from volatilization of TCE from the residual groundwater within the vadose zone as the water table declines, not from a source within shallower soil. Soil TCE concentrations have always been low relative to groundwater concentrations, suggesting an off-site source of TCE to groundwater.

Conclusions

1. Approximately 8,000 pounds of VOCs have been removed with the SVE system. The predominant VOCs removed have been PCE and petroleum hydrocarbon constituents, which accounted for 78% of the total mass removed. TCE, 1,1,1-TCA, and 1,1-DCE accounted for the remainder of the total mass removed.
2. SVE mass removal rates have declined from more than 30 to less than 1.5 pounds VOCs per day. Of these 1.5 pounds, approximately 90% of the mass was petroleum hydrocarbon constituents. The VOC mass removal rates showed asymptotic behavior, indicating that continuing SVE is of little benefit.
3. The SVE system has been effective in removing VOC concentrations to below cleanup goals for chlorinated VOCs in nearly all areas on site. The SVE system has removed petroleum hydrocarbons to concentrations below soil cleanup standards in the area where these were detected.
4. In the Boring B-2 area, shallow PCE concentrations rebounded, however, concentrations were less than Phase 1 cleanup goals. This rebound appears to be due to reduced SVE efficiency within an old concrete floor buried within a few feet of the surface in this area. Because of this floor and low PCE concentrations beneath this area, it is evident that this is not a continuing source area, and there is limited potential for significant downward migration of PCE.
5. Shallow and intermediate depth site soil has non-detectable or very low TCE concentrations. The source of TCE concentrations detected in deep soil gas samples near the water table is apparently from the groundwater from an off-site source, not from the shallower soil.

Recommendations

1. Soil cleanup goals have been substantially achieved and it is no longer efficient or cost effective to continue SVE. Therefore, further SVE is not justified or warranted.
2. The groundwater monitoring system has shown that groundwater movement beneath the site is very slow, and VOC concentrations in groundwater are not influenced by, or are correlatable to, shallow and intermediate depth soil concentrations. Therefore, continued groundwater monitoring is not warranted.
3. Because cleanup standards and goals have been substantially met, no further remedial action is recommended, and a NFA is appropriate for this site.

1. INTRODUCTION

This document presents results of site remediation activities including results and interpretation of closure sampling at the former APW property (facility), 777 Front Street in Burbank, California (Figures 1 and 2). Remedial activities were conducted on behalf of APW North America, Inc., a successor corporation to ZERO Corporation, by Hydro Geo Chem, Inc. (HGC).

Closure activities were conducted in accordance with a Work Plan for No Further Action Closure (HGC, 2000c), submitted to the California Regional Water Quality Control Board (Board) on June 26, 2000. The Work Plan for No Further Action Closure was approved in writing by the Board on October 2, 2000, and closure-related activities took place between October 2000 and January 2001. The work conducted during this investigation was under active supervision of a California Registered Geologist and California Certified Hydrogeologist.

1.1 Purpose

The objectives of the closure activities were to document the remedial action, to compare sampling results to closure criteria, and to provide the basis for a No Further Action (NFA) request for both the soil remediation system and the groundwater monitoring requirements.

This document also provides a summary of all investigation and remedial activities conducted at the site. Previous and recent groundwater analysis results are tabulated, as are soil gas analyses. The reference section provides a listing of all reports of environmental investigations at the facility that have been previously submitted to the Board.

1.2 Scope

The Work Plan for NFA Closure (HGC, 2000c) included the following activities:

1. Shutting off the soil vapor extraction (SVE) system,
2. Collecting a round of soil gas samples from all deep SVE wells and multi-level soil gas monitoring probes,
3. Monitoring organic vapor concentrations for a three-month period,
4. Resampling soil gas from all deep SVE wells and multi-level probes,
5. Collecting a round of groundwater samples from the nine facility groundwater monitoring wells for analysis of volatile organic compounds (VOCs); including 1,4-dioxane.

In the Board's October 2, 2000, approval letter, three additional conditions were required:

1. The detection limit for 1,4-dioxane should be 0.5 micrograms per liter ($\mu\text{g/L}$), instead of the 3 $\mu\text{g/L}$ limit (current advisory action level) proposed.
2. Activities must be supervised or conducted by a California registered professional (geologist, engineering geologist, civil or geotechnical engineer).
3. An updated health and safety plan must be on site and followed.

HGC attempted to resolve the 1,4-dioxane detection limit difference by discussing capabilities with several laboratories and with the California Department of Health Services. The best reliable detection limit was determined to be 2 µg/L. This was discussed with Mr. Elijah Hill of the Board, who subsequently approved the 2 µg/L detection limit. Conditions 2 and 3 were fully complied with.

After work plan approval, HGC advised Board staff of the field activities schedule. The SVE system was shut off on October 24, 2000, and a round of soil gas sampling was conducted October 24 through 27, 2000. Groundwater sampling was conducted between November 29 and December 1, 2000. The final round of soil gas sampling was conducted January 30 through February 2, 2001.

1.3 Site Description

The site is a closed manufacturing facility in Burbank, California, comprising approximately eight acres, as shown on Figure 2. Vacant warehousing, manufacturing, and office buildings take up approximately 75% of the facility, and the remaining area is asphalt-covered and was used for parking, driveways, and storage. The site is bordered by old Front Street and Interstate 5 on the north and northeast, Burbank Boulevard and County Flood Control Channel on the west and northwest, and New Front Street and the Southern Pacific Railroad tracks on the south. The facility lies on a

southeasterly-sloping alluvial surface of the San Fernando Valley. Site elevations range from 573 feet above mean sea level (amsl) in the southeast corner, to 590 feet amsl in the northwest corner.

The history of industrial operations at the site dates from the 1930s (Targhee, Inc., 1991a). ZERO Corporation purchased the property in the early 1960s. ZERO Corporation operations included manufacture of metal enclosures in Buildings 11 through 14. Building 10 housed administrative offices, and Building 15 housed the maintenance department. ZERO Corporation leased a parcel of land between the manufacturing buildings and the Southern Pacific Railroad tracks from Southern Pacific Transportation Company for storage and parking. Manufacturing at the plant was discontinued in December 1991 and by early 1992 all manufacturing equipment and materials had been removed from the facility. The property is currently inactive.

The leased area between Buildings 11 through 14 and the railroad tracks was sold by Southern Pacific to the City of Burbank in 1998, on which the new Front Street was constructed. Old Front Street was closed upon opening of the new Front Street in June 1999. In 1998 the Burbank facility was sold to the Ford Leasing Development Company (FLDC).

2. SUMMARY OF INVESTIGATION ACTIVITIES

2.1 Site Investigation and Remediation Activities

Environmental site investigation activities by Targhee, Inc., included a site audit (Targhee, 1991a) and a subsurface investigation of storage and use areas (Targhee, 1991b). Samples were collected from 21 borings at various depths to a maximum of 20 feet below land surface (ft bls). These locations are shown on Figure 3, and analytical results are summarized in Table 1. Predominant VOCs detected in these samples were tetrachloroethene (PCE) and 1,1,1-trichloroethane (1,1,1-TCA), with minor detections of other VOCs; such as trichloroethene (TCE) and 1,1-dichloroethene (1,1-DCE). The results were reported by Targhee, Inc. to the Board in 1991 and were also summarized in HGC's subsurface investigation report (HGC, 1992c).

In January 1992, at the request of the Board, HGC conducted a soil gas survey at the facility using removable soil gas drive points installed to depths of between 5 and 28.5 ft bls and an on-site mobile laboratory. The results of this investigation were reported to the Board in February 1992 (HGC, 1992a). Figure 4 shows locations of all drive point soil gas samples and results are tabulated in Appendix A. The results supported the earlier testing and delineated areas of PCE and 1,1,1-TCA in soil gas. The results also confirmed that 1,1,1-TCA and 1,1-DCE concentrations were correlated, and that TCE concentrations were mostly 10 to 100 times less than PCE concentrations.

A work plan for a supplemental site investigation including installation of eight multi-level soil gas monitoring probes and six groundwater monitoring wells was submitted to the Board on June 24, 1992 (HGC, 1992b), and approved by the Board on June 30, 1992. This work was completed and results were submitted in September 1992 (HGC, 1992c). Four additional groundwater monitoring wells, three of them on City of Burbank property along Front Street, were installed in November and December 1992 (HGC, 1993a). Results from quarterly, semi-annual, and annual groundwater monitoring from these wells have been reported in the various groundwater monitoring reports listed in the References section. A listing of all groundwater sampling results is provided in Appendix B.

In response to a December 15, 1993, request from the Board, a work plan to determine the feasibility of soil remediation using SVE was prepared and submitted to the Board on February 25, 1994 (HGC, 1994a). The Board approved the plan on April 25, 1994, and the Air Quality Management District permitted operation of the SVE unit on October 6, 1994. Additional soil gas monitoring probes and a deep SVE well were installed and pilot testing was conducted in November and December 1994. The report of test results was submitted to the Board on February 22, 1995 (HGC, 1995a). This was followed by a soil remediation work plan, based on the Board's VOC-cleanup screening level procedure (California Regional Water Quality Control Board, 1996), and submitted to the Board in January 1996 (HGC, 1996a). The Board approved this work plan (subsequently called the Phase 2 Remedial Plan) and screening levels in February 1996. To accommodate construction of the new Front Street, the City of Burbank requested the installation

of an additional soil gas monitoring probe (B-12, installed in June 1999 [HGC, 1999d]), and also requested changes in the number and locations of SVE wells.

In the fall of 1997, ZERO Corporation began negotiations with FLDC for sale of the facility. To accommodate FLDC's then-proposed property development a shallow soil cleanup work plan (the Phase 1 Remedial Plan) was developed and submitted to the Board on December 18, 1997 (HGC, 1997). The Phase 1 SVE work plan was approved in writing by the Board on December 22, 1997. The system was constructed in March and April 1998 and was operated between May 1998 and April 1999. Figures 5, 6, and 7 show locations of shallow SVE wells, injection wells, and vapor monitoring probes installed for the Phase 1 system, respectively. Reports documenting Phase 1 progress were submitted to the Board on a regular basis during the remediation period (HGC, 1998b-d, 1999a-d).

Once monitoring results indicated that Phase 1 cleanup goals had been achieved, a Phase 1 Closure Verification Sampling Plan was prepared and submitted to the Board on April 21, 1999 (HGC, 1999c). On June 24, 1999, the Board approved the work plan and directed APW to complete verification sampling and submit its report by September 1999. The work plan elements were conducted in July 1999 and the results showed that Phase 1 cleanup goals had been attained in the Phase 1 cleanup area. The report documenting these results and requesting closure of the Phase 1 remedial system was submitted to the Board on August 11, 1999 (HGC, 1999f). The Board has not acted on this request.

The Phase 2 SVE system was incrementally incorporated into the Phase 1 system during the fall and winter of 1998. The Phase 2 system became fully operational in early March 1999 and was operated at full capacity once the Phase 1 system was shut down in April 1999. The system consisted of 19 deep SVE wells, 14 of which were dual-completion allowing air injection near the water table (Figure 8). Phase 2 system construction is described in the April 13, 1999 monitoring report (HGC, 1999b). Cleanup progress was monitored by organic vapor measurements and soil gas sampling from the deep SVE wells and in multi-level soil gas monitoring probes (Figure 9). Reports of Phase 2 remedial progress were submitted to the Board on a periodic basis since the beginning of Phase 2 remedial activities (HGC, 1999b, 1999d, 1999g, 2000a, 2000b, 2001).

By February 2000, monitoring data indicated that the Phase 2 cleanup levels had been attained. On June 26, 2000, HGC submitted a work plan for site closure based on remedial progress and on concerns raised by the Board during a February 25, 2000 meeting. The Board approved the work plan on October 2, 2000, with the additional conditions added to their approval, as described above in Section 1.2. Closure activities; consisting of two rounds of soil gas sampling, rebound monitoring, and groundwater sampling, were conducted between October 2000 and January 2001.

2.2 Site Hydrogeologic Conditions

The facility lies in the San Fernando Valley, part of the Upper Los Angeles River watershed. Nearest bedrock outcrops are in the Verdugo Mountains north of the site. Drainage is toward the

southeast into the Los Angeles River. In the vicinity of the site, drainage is into the concrete-lined Burbank Western Flood Control Channel (Figure 2). There are no perennial streams near the site.

Thickness of the valley fill deposits beneath the facility is not known, but is believed to be less than 600 feet (ft) (Yerkes and others, 1965). The valley fill deposits are generally consolidated; the composition of which is dependent on source rock, distance from the source, and amount of reworking by streams after deposition. Valley fill in the vicinity of the site is highly heterogeneous and primarily coarse-grained (sand, gravel, cobbles), with 10 to 50% fines (silt and minor clay).

Site lithologic conditions have been evaluated to a depth of 160 ft bls. Fines predominate in fill near the surface beneath the buildings, extending to about eight feet below grade in most areas, and as deep as 20 feet below grade in others (HGC, 1992c). Some of this fill may contain concrete rubble or intact concrete floors in the Building 11 and 12 areas. Geologic cross sections prepared from logs of boreholes drilled at the facility indicate variable lithologies which do not correlate from boring to boring, that is, there are no strong mapable units within the depth of investigation.

Groundwater is encountered at depths ranging from 94 ft bls in MW-3 to 126 ft bls in MW-7. Groundwater levels have shown significant changes since site monitoring began in 1992. As shown on Figure 10, water levels rose nearly 20 ft from early 1993 to 1996. The water table elevation in 1998 was probably at an historic high since at least the early 1950s (HGC, 1992c). Water levels have declined about 25 ft since then. Currently, water levels are lowest since the early 1970s.

Groundwater flow directions and gradients beneath the facility since monitoring began in 1992 are shown in a series of maps on Figure 11. All groundwater level measurements in facility monitoring wells are listed in Appendix C. Groundwater flow directions have ranged between southwest and northeast, a direction shift of about 180 degrees. These changes are due primarily to pumping, either by the City of Burbank (south of the site) or by Lockheed (northwest of the site). Gradients have ranged between 2×10^{-3} and 7.6×10^{-3} feet/foot (ft/ft) (11 and 40 ft per mile) and average 3.8×10^{-3} ft/ft. These gradients are considered slight, and indicate a comparatively slow groundwater flow rate.

2.3 VOCs in Facility Groundwater Monitoring Wells

2.3.1 VOC Occurrence and Distribution

Groundwater has been monitored on- and off-site and groundwater samples have been collected from all facility groundwater monitoring wells since 1992 and have been reported to the Board. All of the VOCs that have been detected in groundwater samples are listed in Table 2 (including the most recent sampling results, discussed below), ranked by detection frequency. The list includes most analytes determined using Environmental Protection Agency (EPA) analytical methods 8240, 8260 or 524.2. (1,4-dioxane was analyzed by EPA method 8270.)

The predominant VOCs detected in groundwater samples have been TCE, chloroform, and PCE. Other VOCs that have been detected in at least several samples are 1,1-DCE, cis-1,2-dichloroethene, and 1,1,1-TCA, although the latter two have not been detected above their maximum contaminant levels (MCLs). Chloroform is a recognized contaminant in much of the regional basin groundwater, thought to be a chlorination byproduct of recharge water. It has not been detected above its MCL and is not discussed further.

Concentrations of TCE above its maximum contaminant level (MCL) have been detected in samples from wells MW-1, MW-2, MW-3, MW-9, and MW-10. Maximum TCE concentrations have ranged from 830 to 6,200 $\mu\text{g/L}$. On the other hand, the highest concentrations of PCE have been detected in samples from wells MW-6, MW-7, and MW-10 at a maximum concentration of 100 $\mu\text{g/L}$. Since 1998, the maximum PCE concentration has been 11 $\mu\text{g/L}$. We have found that there is no statistical correlation between PCE and TCE detections or concentrations in groundwater samples, suggesting that the groundwater TCE does not occur due to degradation of PCE.

However, a strong inverse correlation is apparent between groundwater TCE concentrations and water table movement beneath the site, as shown on Figure 12. The lowest TCE concentrations have corresponded with a high water table in 1995, 1996, and 1998 and higher TCE concentrations occurred in 1992, 1997, and 2000, corresponding with a lower water table. As discussed in previous reports (HGC, 1995d; 1999b; 2000b), these variations are explained by the vertical distribution of TCE in the groundwater. At low groundwater levels, water samples from facility monitoring wells reflect conditions

within a few feet of the water table, and these samples have had higher TCE concentrations. At high groundwater levels, the water samples reflect conditions of greater saturated thickness, usually about 20 ft below the water table, and these samples have had comparatively lower TCE concentrations.

Because no source of TCE has been detected in shallow soil beneath the facility, either from subsurface exploration, soil gas monitoring, or the extensive SVE activities, no on-site source of TCE to groundwater is evident. Instead, the soil gas sampling results indicate that the source of TCE in soil gas samples closest to the water table is volatilization of TCE from the residual groundwater within the vadose zone as the water table declines.

2.3.2 Results of November 2000 Groundwater Sampling

Groundwater samples were collected from the groundwater monitoring wells between November 28 and December 1, 2000. The following procedures were followed for this sampling round. After groundwater levels were measured, a Redi-Flow II, 2-inch-diameter submersible, stainless-steel pump was then set in the well approximately 10 ft below the static water level.

Each well was then purged of standing water from the wellbore to ensure that sampled groundwater was representative of formation conditions. Wells were purged at rates between 0.5 and 1.5 gallons per minute (gpm). At least three, wetted-casing volumes of water were pumped from each well. Water temperature, pH, electrical conductivity, and turbidity were monitored during sampling. Purge volumes, pumping rates, and field measurements are listed in *Groundwater*

Sampling Forms (Appendix D). Purge water was temporarily stored in 55-gallon drums, pending treatment and discharge pursuant to the facility NPDES permit (CAG 990000).

When the minimum number of casing volumes had been pumped and the field-measured parameters were relatively stable, groundwater was sampled using a disposable polyethylene bailer. Sample containers were obtained from Weck Labs in City of Industry, California. Samples for VOC analyses were contained in pre-acidified, 40-milliliter glass volatile organic analysis (VOA) vials with Teflon®-lined septa.

VOC sampling procedures consisted of filling two VOA vials from the bailer, making sure that sample agitation and air entrapment were minimized, that hydrochloric acid preservative was not lost during filling, and that air bubbles were not present after capping. All samples were labeled with the sample location, time, and date; enclosed in ziplock bags; and placed on ice in a cooler. A chain-of-custody form was included with each laboratory shipment. Samples were analyzed for VOCs by gas chromatography and mass spectrometry using EPA Drinking Water Method 524.2. Samples were analyzed for 1,4-dioxane using EPA Method 8270 (modified). Analytical reports are provided in Appendix E. Water Quality Control Board report forms are provided in Appendix F. Analytical results for this sampling round are summarized in Table 4 and results from all previous sampling rounds are listed in Appendix B.

Between sampling locations, the external portions of the pump and other sampling equipment were thoroughly cleaned with a soap and tap water solution and rinsed in tap water. Cleaning

solution was then circulated through all internal portions of the pump and tubing followed by a tap water rinse. Cleaning water was stored in 55-gallon drums and disposed of with the purge water for subsequent disposal as described above.

Results are listed in Table 3 and are displayed for TCE and PCE on Figure 13. The results indicate that TCE, chloroform, and PCE are the primary VOCs detected in groundwater samples, in agreement with previous results. TCE was detected above its MCL in eight of nine samples, and PCE was detected above its MCL in two of nine samples. Cis-1,2-DCE was detected above its MCL in one of nine samples. The compound 1,4-dioxane was not detected in any groundwater sample.

TCE concentrations increased in five samples and decreased in four samples compared to the previous sampling round. Increases in TCE concentrations occurred in samples from MW-1, MW-2, MW-3, MW-5, and MW-8, while samples from the remaining wells showed decreases. PCE concentrations increased slightly in seven samples (an average increase of 2.7 µg/L). The remaining two samples decreased in concentration.

Although the mass of petroleum hydrocarbon constituents removed by SVE from site soil has been significant, no petroleum hydrocarbon constituents (benzene, toluene, ethylbenzene, or xylenes [BTEX]) were detected in groundwater samples. The gasoline additives methyl tert butyl ether (MTBE) and ethylene dibromide (EDB) have not been detected in these or previous groundwater samples. Furthermore, MTBE has not been detected in previous soil gas samples.

3. RESULTS OF SOIL VAPOR EXTRACTION

The results of SVE performance are discussed in terms of effectiveness at 1) VOC mass removal, 2) reduction in VOC concentrations, and 3) continued efficiency or cost-effectiveness.

3.1 VOC Mass Removal

Mass removal rates have been tabulated in previous progress reports and are summarized in Table 4, which lists cumulative mass removed and mass removal rates for each quarter. The total mass removed is calculated at approximately 8,000 pounds. Of this total, about an equal mass of VOCs was removed during each phase of remediation.

When wells SVE-8 and SVE-15 came on line in early 1999, the predominant VOCs detected in soil gas from these wells was petroleum hydrocarbon constituents (Appendix A and Table 5). Through 1999, an increased proportion of total VOCs came from these wells, as is indicated by the increasing mass of petroleum hydrocarbons listed in Table 4. The total mass of petroleum hydrocarbon constituents removed from the site is approximately 29% of the total VOC mass.

The chlorinated VOCs removed from site soil are (by decreasing mass): PCE, TCE, 1,1-DCE, and 1,1,1-TCA. PCE was the main VOC removed, accounting for approximately 50% (4,000 pounds) of the entire VOC mass and nearly 70% of the chlorinated VOC mass removed.

During Phase 1, PCE accounted for more than 90% of the total VOC mass removed. The remaining chlorinated VOCs removed amounted to 20% for TCE, 7% for 1,1-DCE, and 3% for 1,1,1-TCA.

As can be seen in the quarterly total in Table 4, most of the total VOC mass removed from site soil occurred between Phase 1 startup in May 1998 and mid-1999. This amounted to more than 6,300 pounds, or 79% of the total mass removed. During this period, VOC mass removal rates reached a maximum of 30 pounds per day in early 1999, and averaged 15 pounds per day.

From January 2000 to system shut down in October 2000, the VOC mass removal rate averaged about 1.5 pounds per day. The mass removed during this period was about 88% petroleum hydrocarbon constituents and about 12% chlorinated VOCs. In terms of effectiveness, the decreasing mass removal rates are shown below to be a function of decreasing VOC soil concentrations.

3.2 VOC Concentrations

VOC concentrations in all soil gas samples have been tabulated in Appendix A. Soil gas analytical results from closure sampling conducted in October 2000 and January 2001 are appended in Appendices G and H.

Table 5 provides a summary of all VOCs detected in each soil gas sampling round for all Phase 2 (deep) SVE wells and for all multi-level soil vapor monitoring wells. The chlorinated VOC results from this table are provided as graphs in Plates 1 and 2, showing spatial and temporal distributions of VOCs before, during, and after remedial activities. These distributions are also shown on Figures 14 through 22. Each of these figures shows soil concentrations of PCE, TCE, and 1,1,1-TCA prior to and subsequent to remediation for each of three soil depths: shallow, corresponding to depths between 0 and 25 ft; intermediate, corresponding to depths between approximately 25 and 60 ft; and deep, corresponding to depths between 60 and 85 ft.

Prior to remedial activities, maximum VOC concentrations were detected in the shallow soil gas samples from B-2 and B-3 (PCE) and MW-3 (1,1,1-TCA), shown on Figure 15. Intermediate level maximum concentrations were also detected in these probes (Figure 18). Deep-level maximum concentrations were highest in probes B-2 and B-3 (Figure 21). The distribution of PCE and TCE in the shallow soil gas were spatially similar and centered in Buildings 11 and 12, while the distributions of 1,1,1-TCA and 1,1-DCE were also spatially similar and were centered in the northwest corner of Building 11 and the southeast corner of Building 14.

During SVE remediation, VOC concentrations declined in all SVE areas. Vapor phase PCE concentrations in boring B-2 at 25 ft declined from 36,000 µg/L to 25 µg/L (subsequently rebounding to 710 µg/L), and the 50-foot sample declined from 16,000 µg/L to non-detectable (with a slight rebound to 16 µg/L, Table 5). Similar decreases occurred at all monitoring points where

pre-remedial concentrations were in the 1,000 to 10,000 µg/L range. Decreases in total chlorinated VOCs ranged between 94 and 99.8%, and averaged 99% for all 60 soil gas monitoring points used to assess remedial progress at the site (Table 5). Decreases in petroleum hydrocarbon constituents, detected primarily in SVE-8 and SVE-15, ranged between 76% and 93%.

High pre-remedial concentrations of 1,1,1-TCA and 1,1-DCE were reduced at all monitoring points to levels below detection, except at Borings B-12 and MW-3. In the deep soil gas samples from those probes, 1,1-DCE was detected at 10 and 32 µg/L, respectively. This represents a 63-fold reduction in 1,1-DCE at MW-3. (No pre-remedial values are available from B-12, as it was installed after remediation began.)

VOC concentrations in all site soil between the surface and 60 to 75 ft. bls (shallow and intermediate depths) declined to less than the Phase 1 or Phase 2 soil cleanup goals for chlorinated VOCs (Table 6). Also, concentrations of all petroleum hydrocarbon constituents in SVE-8 and SVE-15 samples declined to less than the maximum soil screening levels listed in Table 7.

Analytical results from 7 of 35 deep soil gas samples within the 75- to 85-ft bls range indicate that VOC concentrations, mainly TCE, slightly exceed cleanup goals for those depths. These concentrations cannot be attributed to shallower soil beneath the site because this soil did not have significant TCE concentrations. Instead, the shallow- and intermediate-zone soil primarily contained PCE, which has been removed to very low concentrations through remediation. The TCE

concentrations in these deep soil gas samples correspond with TCE concentrations in the groundwater, and are believed to result from volatilization of TCE at the water table, as described in more detail in Section 2.3.1.

The post-remedial deep soil gas sample results from MW-3 and B-12 indicate the occurrence of 1,1,1-TCA and 1,1-DCE (Table 5). These VOCs do not occur in the shallower samples from those locations. Because SVE would draw soil vapors past B-12 and MW-3 toward SVE-4 (Figure 8), a non-facility source of these VOCs, probably in a southwesterly direction from SVE-4 and B-12, is indicated. It should be noted that since 1993, the only detection of either of these VOCs in groundwater samples from MW-3, the closest monitoring well, has been 1,1-DCE at 0.7 µg/L.

In the Boring B-2 area, site exploration and remedial information indicate that the rebound in PCE concentration in the shallowest soil gas sample from 25 to 710 µg/L may be due to reduced SVE efficiency within an old concrete floor area buried within a few feet of the surface. The area may also include footings and stem walls, which would impede soil vapor flow. This rebound concentration does not exceed the Phase 1 cleanup goal. Furthermore, the B-2 sample at 50 ft (Table 5) indicates PCE concentrations less than the Phase 2 cleanup goals. The PCE concentrations indicate a limited extent of PCE (local to the B-2 vicinity) and a limited potential for significant downward migration of PCE.

3.3 Remedial Efficiency

Remedial efficiency may be measured using SVE cost, extraction rates, or other performance or energy ratings. Remedial efficiency in terms of VOC mass removed per standard cubic foot of gas extracted is calculated in Table 8. Results indicate that the maximum remedial efficiency occurred during the November 1998 - January 1999 quarter. Since then, overall remedial efficiency has declined by a factor of six. In terms of chlorinated VOCs, remedial efficiencies have declined by a factor of 50. Remedial efficiency has remained fairly constant over the past three quarters because the overall extraction flow rate has been reduced and efforts concentrated on fewer active SVE wells. Because most of the remaining VOCs are petroleum hydrocarbons, the extraction efficiency for chlorinated VOCs is considerably less than this overall efficiency, as Table 8 indicates.

The cumulative VOC mass removed is shown on Figure 23. The asymptotic behavior of both the overall and chlorinated VOC curves is evident. This behavior shows that, from an efficiency and cost-effectiveness point-of-view, continued SVE is inefficient and of little benefit.

4. CONCLUSIONS AND RECOMMENDATIONS

4.1 Conclusions

SVE has been conducted at the facility in two phases and was run on a continual basis between May 1998 and October 2000. Nearly 8,000 pounds of VOCs have been removed by the SVE system. The predominant VOCs removed have been PCE (4,000 pounds) and petroleum hydrocarbon constituents (2,300 pounds), accounting for 79% of the total mass removed. TCE, 1,1,1-TCA, and 1,1-DCE have been the remaining VOCs detected in the SVE system, accounting for 21% (1,700 pounds) of the total mass removed.

SVE mass removal rates have declined fifteen-fold, from more than 30 pounds to approximately 1.5 pounds VOCs per day. Of this, approximately 90% is petroleum hydrocarbon constituents. Overall extraction efficiencies have declined by a factor of six, and chlorinated VOC extraction efficiencies have declined by a factor of 50. VOC mass removal rates over time show asymptotic behavior, indicating the inefficiency and marginal benefit of continuing SVE.

VOC concentrations have declined significantly in all areas. The decline in total VOCs in the 60 monitoring points used to assess remedial progress ranged between 94% and 99.8%, and averaged 99%. Decreases in petroleum hydrocarbon constituents ranged between 76% and 93%. Maximum soil gas concentrations, detected in the shallowest sample at Boring B-2, declined from

greater than 36,000 to 710 $\mu\text{g/L}$, a 98% reduction. The SVE system has been effective in removing VOC concentrations to below cleanup goals for chlorinated VOCs and petroleum hydrocarbon constituents in nearly all areas on site.

In the Boring B-2 area, shallow PCE concentrations rebounded above Phase 2 screening levels (although concentrations are less than the Phase 1 cleanup goals). This appears to be due to trapping of VOCs and low SVE sweeping efficiency above old concrete flooring, supports, or stem walls known to exist within a few feet of the surface in this area. Because of this and low PCE concentrations beneath this area, there is limited potential for significant downward migration of PCE.

Shallow and intermediate depth site soil have non-detectable or very low TCE concentrations. The current source of TCE concentrations in deep soil gas samples near the water table is either within the groundwater or capillary fringe area, not from the shallow or intermediate depth soil. As discussed in previous monitoring reports, site soil does not appear to be a source of TCE to groundwater beneath the site, because soil TCE concentrations have always been low relative to groundwater concentrations.

4.2 Recommendations

1. Because soil cleanup goals have been substantially achieved for both chlorinated VOCs and petroleum hydrocarbons, it is no longer efficient or cost-effective to continue SVE. SVE should be discontinued.

2. The groundwater monitoring system has shown that groundwater movement beneath the site is very slow, and that VOC concentrations in groundwater are not influenced by, or appear correlated with, shallow and intermediate depth soil concentrations. Therefore, continued groundwater monitoring should be discontinued.
3. Because Phase 2 screening levels have been substantially met across the site, no further remedial action is recommended and a NFA should be granted.

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TABLES

TABLE 1
Summary of Soil Sampling Results From 1991 Targhee Investigation

Targhee Boring	Sample Depth (ft)	TPH (mg/kg)	1,1-DCE	1,1-DCA	1,2-DCA	PCE (µg/kg)	1,1,1-TCA	1,1,2-TCA	TCE	Toluene
CSA-1	1	240	nd	310	nd	230	6,300	nd	nd	nd
	5	nd	nd	nd	8.4	nd	52	28	nd	nd
	10	nd	nd	nd	8.2	nd	30	23	nd	nd
	15	nd	nd	nd	46	nd	55	23	nd	nd
	20	nd	nd	280	65	nd	590	65	nd	nd
CSA-2	1	nd	nd	nd	nd	530	180	nd	nd	nd
	5	nd	nd	nd	nd	26	12	nd	nd	nd
	10	nd	nd	nd	nd	35	29	nd	nd	nd
	15	nd	7.4	nd	nd	7.6	41	nd	nd	nd
	20	nd	14	nd	nd	11	110	nd	nd	nd
OSA-1	1	nd	nd	nd	nd	43	3	nd	nd	nd
OSA-2	1	70	nd	nd	nd	nd	nd	nd	nd	6.4
	5	nd	nd	nd	nd	58	6.7	nd	58	nd
OSA-3	1	18	nd	nd	nd	23	nd	nd	nd	nd
PSA-1	1	460	nd	nd	nd	15	nd	nd	nd	nd
PSA-2	1	nd	nd	nd	nd	20	nd	nd	nd	nd
	5	nd	nd	nd	nd	nd	nd	nd	nd	nd
SSA-1	5	40	nd	nd	nd	nd	nd	nd	nd	nd
	10	nd	nd	nd	nd	nd	nd	nd	nd	nd
	15	nd	nd	nd	nd	nd	nd	nd	nd	nd
	20	nd	nd	nd	nd	nd	nd	nd	nd	nd
SSA-2	1	7.2	nd	nd	nd	nd	nd	nd	nd	nd
	5	nd	nd	nd	nd	9.3	nd	nd	nd	nd
	10	nd	nd	nd	nd	nd	nd	nd	nd	nd
CL-1-N	2.5	95	nd	nd	nd	nd	9.1	nd	nd	nd
CL-1-S	2.5	85	nd	nd	nd	nd	nd	nd	nd	nd
	5	nd	nd	nd	nd	nd	nd	nd	nd	nd
	10	15	nd	nd	nd	nd	nd	nd	nd	nd
CL-2-E	3	nd	nd	nd	nd	28	nd	nd	25	nd
	5	nd	nd	nd	nd	9.2	nd	nd	12	nd
CL-2-W	2.5	18	nd	nd	nd	16	nd	nd	28	nd
	5	nd	nd	nd	nd	6.3	nd	13	nd	nd
CL-3-E	2.5	nd	nd	nd	nd	20	nd	nd	nd	nd
CL-3-W	2.5	84	nd	nd	nd	27	nd	nd	nd	nd
	10	nd	nd	nd	nd	nd	nd	nd	nd	nd
	20	nd	nd	nd	nd	nd	nd	nd	nd	nd
CL-4-N	2.5	nd	nd	nd	nd	nd	nd	nd	nd	nd
	5	nd	nd	nd	nd	nd	nd	nd	nd	nd
	10	nd	nd	nd	nd	nd	nd	nd	nd	nd
CL-4-S	2.5	18	nd	nd	nd	nd	nd	nd	nd	nd
	5	nd	nd	nd	nd	nd	nd	nd	nd	nd
	10	nd	nd	nd	nd	nd	nd	nd	nd	nd
ACS	1	15,000	nd	nd	nd	15,000	31,000	nd	nd	nd
	5	na	nd	nd	nd	180	240	nd	nd	nd
	10	nd	nd	nd	nd	nd	170	nd	nd	nd
	15	14	nd	nd	nd	nd	96	nd	nd	nd
	20	nd	nd	nd	nd	nd	1,100	nd	nd	nd
ACS-2	1	580	nd	nd	nd	170	72	nd	nd	nd
	5	13	nd	nd	nd	nd	nd	nd	nd	nd
	10	nd	nd	nd	nd	nd	nd	nd	nd	nd
HWS-1	1	nd	nd	nd	nd	57	120	nd	nd	nd
	5	nd	nd	nd	nd	8.5	36	nd	nd	nd
	10	na	nd	nd	nd	6.2	90	nd	nd	nd
	15	nd	nd	nd	nd	nd	35	nd	nd	nd
	20	nd	nd	nd	nd	nd	nd	nd	nd	nd
HWS-2	1	na	nd	nd	nd	170	380	43	nd	nd
	5	nd	nd	nd	nd	5	36	nd	nd	nd
	10	nd	nd	nd	nd	nd	nd	nd	nd	nd

Notes Summary lists only those analytes that were detected
 TPH: Total Petroleum Hydrocarbons, method 418.1
 VOCs were analyzed by EPA Methods 8010 and 8021
 na: Not analyzed
 nd: Not detected. Detection limits variable
 Results reported in Targhee, 1991b

TABLE 2
Statistical Summary of Groundwater Sampling Results

Compound	Number of samples	Number of Detections	Detection Frequency	Max. Concentration (ug/L)	Number of Detections above MCL	MCL ^a (ug/L)
Trichloroethene	186	165	88.7%	6,200	137	5.0
Chloroform (total THM)	183	146	79.8%	14	0	100 ^b
Tetrachloroethene	181	142	78.5%	100	60	5.0
cis-1,2-Dichloroethene	186	45	24.2%	36	0	70
1,1-Dichloroethene	186	43	23.1%	39	7	7.0
1,1,1-Trichloroethane	185	31	16.8%	12	0	200
Toluene	186	16	8.6%	23	0	150
1,1,2-Trichloroethane	186	12	6.5%	10	3	5.0
1,2-Dichloroethane	186	7	3.8%	1.8	0	5.0
Benzene	186	6	3.2%	1.6	1	1.0
trans-1,2-Dichloroethene	186	6	3.2%	2.3	0	100
Chloromethane	186	3	1.6%	2.5	0	none
Bromoform	186	2	1.1%	0.63	0	100 ^b
1,2,3-Trichlorobenzene	186	1	0.5%	0.9	0	none
1,2,4-Trichlorobenzene	186	1	0.5%	0.6	0	70
2,2-Dichloropropane	186	1	0.5%	1.3	0	none
Hexachlorobutadiene	186	1	0.5%	0.5	0	none
Methylene Chloride	186	1	0.5%	0.59	0	5.0
1,1,1,2-Tetrachloroethane	186	0	0.0%	nd	0	none
1,1,2,2-Tetrachloroethane	186	0	0.0%	nd	0	1.0
1,1-Dichloroethane	186	0	0.0%	nd	0	5.0
1,1-Dichloropropene	186	0	0.0%	nd	0	none
1,2,3-Trichloropropane	186	0	0.0%	nd	0	none
1,2,4-Trimethylbenzene	186	0	0.0%	nd	0	none
1,2-Dibromo-3-Chloropropane (DBCP)	186	0	0.0%	nd	0	0.2
1,2-Dibromoethane (EDB)	186	0	0.0%	nd	0	0.05
1,2-Dichlorobenzene	186	0	0.0%	nd	0	600
1,2-Dichloropropane	186	0	0.0%	nd	0	5.0
1,3,5-Trimethylbenzene	186	0	0.0%	nd	0	none
1,3-Dichlorobenzene	186	0	0.0%	nd	0	75
1,3-Dichloropropane	186	0	0.0%	nd	0	none
1,4-Dichlorobenzene	186	0	0.0%	nd	0	5.0
1,4-Dioxane	9	0	0.0%	nd	0	3.0
2-Butanone (MEK)	27	0	0.0%	nd	0	none
2-Chlorotoluene	186	0	0.0%	nd	0	none
4-Chlorotoluene	186	0	0.0%	nd	0	none
4-isopropyl toluene	186	0	0.0%	nd	0	none
4-methyl-2-pentanone (MIBK)	27	0	0.0%	nd	0	none
Bromobenzene	184	0	0.0%	nd	0	none
Bromochloromethane	186	0	0.0%	nd	0	none
Bromodichloromethane	186	0	0.0%	nd	0	100 ^b
Bromomethane	186	0	0.0%	nd	0	100 ^b
Carbon Tetrachloride	186	0	0.0%	nd	0	0.5
Chlorobenzene	186	0	0.0%	nd	0	100
Chloroethane	186	0	0.0%	nd	0	none
cis-1,3-dichloropropene	36	0	0.0%	nd	0	none
Dibromochloromethane	186	0	0.0%	nd	0	100 ^b
Dibromomethane	186	0	0.0%	nd	0	none
Dichlorodifluoromethane	186	0	0.0%	nd	0	none
Ethyl Benzene	186	0	0.0%	nd	0	700
Ethyl tert-Butyl Ether	18	0	0.0%	nd	0	none
Isopropyl benzene	186	0	0.0%	nd	0	none
Methyltertbutylether (MTBE)	36	0	0.0%	nd	0	13
Naphthalene	186	0	0.0%	nd	0	none
n-Butylbenzene	186	0	0.0%	nd	0	none
n-Propylbenzene	186	0	0.0%	nd	0	none
Styrene	186	0	0.0%	nd	0	100
Total 1,3-dichloropropene	76	0	0.0%	nd	0	0.5
Total Xylenes	150	0	0.0%	nd	0	1,750
trans-1,3-dichloropropene	36	0	0.0%	nd	0	0.5
Trichlorofluoromethane (F-11)	186	0	0.0%	nd	0	150
Trichlorotrifluoroethane (F-113)	36	0	0.0%	nd	0	1,200
Vinyl Chloride	186	0	0.0%	nd	0	2.0

Notes:

- nd: Not detected above practical quantitation or detection limit
- a- All other EPA method 8240, 8260 or 524.2 analytes: not detected
- a- Either Federal or California MCL, or current advisory action level
- b- Summed to calculate total trihalomethanes

TABLE 3
Summary of Analytical Results for Volatile Organic Compounds in Groundwater Samples,
November 2000 Sampling Round

Well	Date Sampled	1,1-DCA	cis-1,2-DCE	trans-1,2-DCE	TCE	PCE	Chloroform	1,4-Dioxane
<i>Concentrations in micrograms per liter (µg/L)</i>								
MW-1	30-Nov-00	(0.5)	3.2	0.6	1,800	11.0	8.0	(2.0)
MW-2	30-Nov-00	(0.5)	1.4	(0.5)	470	4.3	1.7	(2.0)
MW-3	1-Dec-00	(0.5)	15.0	2.3	310	2.4	1.6	(2.0)
MW-4	28-Nov-00	0.6	(0.5)	(0.5)	14	4.0	1.1	(2.0)
MW-5	28-Nov-00	(0.5)	(0.5)	(0.5)	4.8	0.7	1.4	(2.0)
MW-7	29-Nov-00	1.0	(0.5)	(0.5)	6.3	4.4	1.1	(2.0)
MW-8	29-Nov-00	(0.5)	(0.5)	(0.5)	61	2.5	1.0	(2.0)
MW-9	30-Nov-00	(0.5)	(0.5)	(0.5)	97	2.4	1.4	(2.0)
MW-10	29-Nov-00	(0.5)	0.8	(0.5)	490	6.4	2.8	(2.0)

Notes:

(0.5) Not detected at this practical quantitation limit
 No other analytes detected during this sampling round

TABLE 4
VOC Mass Removal Rates

Quarterly Period	Phase 1 (Pounds VOCs)	Phase 2	Total/Quarter	Cumulative	Petr. Hyd. ^a	Chlorinated VOCs ^b
May - July 1998	1,730	0	1,730	1,730	0	1,730
August - October 1998	940	100	1,040	2,770	100	940
November 1998 - January 1999	1,010	1,300	2,310	5,080	230	2,080
February - April 1999	80	700	780	5,860	200	580
May - July 1999	40	400	440	6,300	200	240
August - October 1999	0	490	490	6,790	430	60
November 1999 - January 2000	0	710	710	7,500	680	30
February - April 2000	0	135	135	7,635	110	30
May - July 2000	0	158	158	7,793	140	20
August - October 2000	0	179	179	7,972	160	20
Totals:	3,800	4,172		7,972	2,250	5,730

Notes:

- ^a Values rounded. Petroleum hydrocarbons (toluene, ethylbenzene, xylenes, total volatile hydrocarbons) Calculated from spent carbon profiles and soil gas samples and flow rates from SVW-8 and SVE-15 Interpolated for quarters between analytical results
- ^b Values rounded. Chlorinated VOCs detected in soil gas from SVE wells are PCE, 1,1-DCE, 1,1,1-TCA and TCE

TABLE 5
Summary of All Soil Gas Analytical Results for Deep SVE Wells and Multi-Level Probes

SVE Well/Probe	Depth	Date	Freon-12	Freon-113	1,1,1-TCA	TCE	PCE <i>Micrograms per liter</i>	1,1-DCE	Benzene	Toluene	E'benzene	Xylenes
B-11 (cont)	@85'	Dec 1, 94	nd	nd	nd	180	1,400	nd	15	nd	nd	nd
		Oct 21, 98	nd	nd	nd	130	1,300	nd	28	nd	nd	nd
		Oct 27, 00	nd	nd	nd	2.2	5.8	nd	nd	nd	nd	nd
		Jan 31, 01	nd	nd	nd	25	7.3	nd	nd	nd	nd	nd
B-12	@20'	Jul 9, 99	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
		Oct 26, 00	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
		Feb 1, 01	nd	nd	nd	nd	3.3	nd	nd	nd	nd	nd
	@40'	Jul 9, 99	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
		Oct 26, 00	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
		Feb 1, 01	nd	nd	nd	nd	2.1	nd	nd	nd	nd	nd
	@60'	Jul 19, 99	nd	nd	15	15	51	47	nd	nd	nd	nd
		Oct 26, 00	nd	nd	nd	14	63	5.4	nd	nd	nd	nd
		Feb 1, 01	nd	nd	nd	8.2	15	nd	nd	nd	nd	nd
	@85'	Jul 19, 99	nd	nd	nd	nd	nd	2.3	nd	nd	nd	nd
		Oct 26, 00	nd	nd	9.1	29	27	39	nd	nd	nd	nd
		Feb 1, 01	nd	nd	7.8	27	24	32	nd	nd	nd	nd
MW-01	@25'	Sep 1, 92	nd	na	11	38	390	49	nd	nd	nd	nd
		Dec 1, 94	nd	nd	6	53	270	49	nd	nd	nd	nd
		Oct 21, 98	nd	nd	nd	nd	4.3	nd	nd	nd	nd	nd
		Oct 26, 00	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
		Feb 1, 01	nd	nd	nd	nd	2.4	nd	nd	nd	nd	nd
	@50'	Sep 1, 92	43	na	15	120	650	110	nd	nd	nd	nd
		Dec 1, 94	nd	20	11	98	500	100	nd	nd	nd	nd
		Oct 21, 98	nd	nd	nd	6.8	32	2.2	nd	nd	nd	nd
		Oct 26, 00	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
		Feb 1, 01	nd	nd	nd	nd	2.7	nd	nd	nd	nd	nd
	@75'	Sep 1, 92	150	na	32	210	940	120	nd	nd	nd	nd
		Dec 1, 94	nd	18	16	240	750	130	nd	nd	nd	nd
		Oct 21, 98	nd	nd	nd	18	70	12	nd	nd	nd	nd
		Oct 26, 00	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
		Feb 1, 01	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
MW-03	@25'	Sep 1, 92	nd	na	19,700	nd	300	5,700	nd	nd	nd	nd
		Dec 1, 94	nd	nd	2,900	2.0	90	1,400	nd	nd	nd	nd
		Apr 30, 98	na	na	nd	nd	1.7	nd	na	na	na	na
		Oct 26, 00	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
		Feb 1, 01	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
	@50'	Sep 1, 92	nd	na	12,300	430	770	4,000	nd	nd	nd	nd
		Dec 1, 94	nd	nd	4,400	6	110	1,800	nd	nd	nd	nd
		Apr 30, 98	na	na	820	11	63	720	na	na	na	na
		Oct 21, 98	nd	nd	350	5.0	34	310	nd	nd	nd	nd
		Oct 26, 00	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
		Feb 1, 01	nd	nd	nd	nd	1.3	nd	nd	nd	nd	nd
	@75'	Sep 1, 92	nd	na	860	16	52	420	nd	nd	nd	nd
		Dec 1, 94	nd	nd	750	10	34	630	nd	nd	nd	nd
		Oct 21, 98	nd	nd	nd	nd	3.7	nd	nd	nd	nd	nd
		Oct 21, 98	nd	nd	300	22	40	450	nd	nd	nd	nd
		Oct 26, 00	nd	nd	1.4	5.3	5.8	4.7	nd	nd	nd	nd
		Feb 1, 01	nd	nd	3.9	19	25	10	nd	nd	nd	nd
MW-05	@15'	Sep 1, 92	150	na	1,300	nd	330	400	nd	nd	nd	nd
		Dec 1, 94	nd	nd	160	1.0	74	180	nd	nd	nd	nd
		Apr 30, 98	na	na	51	nd	74	89	na	na	na	na
		Oct 21, 98	nd	nd	nd	nd	17	2.1	nd	nd	nd	nd
		Oct 26, 00	nd	nd	nd	nd	4.0	nd	nd	nd	nd	nd
		Feb 1, 01	nd	nd	nd	nd	3.3	nd	nd	nd	nd	nd

TABLE 5
Summary of All Soil Gas Analytical Results for Deep SVE Wells and Multi-Level Probes

SVE Well/Probe	Depth	Date	Freon-12	Freon-113	1,1,1-TCA	TCE	PCE	1,1-DCE	Benzene	Toluene	Ethbenzene	Xylenes
								<i>Micrograms per liter</i>				
B-07 (cont)	@50'	Sep 1, 92	nd	na	2,100	12	13	800	nd	nd	nd	nd
		Dec 1, 94	nd	nd	nd	nd	17	nd	3.0	9.0	1.0	8.0
		Apr 30, 98	na	na	48	nd	4.3	120	na	na	na	na
		Oct 21, 98	nd	nd	nd	nd	2.0	12	nd	nd	nd	nd
		Oct 26, 00	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
		Feb 1, 01	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
	@75'	Sep 1, 92	nd	na	390	28	15	800	1.0	nd	nd	nd
		Dec 1, 94	nd	nd	230	8.0	9.0	840	nd	nd	nd	nd
		Oct 21, 98	nd	nd	14	3.8	8.8	110	nd	nd	nd	nd
		Oct 26, 00	nd	nd	nd	nd	nd	2.1	nd	nd	nd	nd
		Feb 1, 01	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
B-09	@20'	Sep 1, 92	nd	na	1.0	2.0	15	32	nd	nd	nd	nd
		Dec 1, 94	nd	nd	nd	nd	15	9.0	nd	nd	nd	nd
		Oct 22, 98	nd	nd	nd	nd	1.4	nd	nd	nd	nd	nd
		Oct 27, 00	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
		Jan 31, 01	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
	@50'	Sep 1, 92	nd	na	14	23	74	96	nd	nd	nd	nd
		Dec 1, 94	nd	6.0	18	49	180	150	nd	nd	nd	nd
		Oct 22, 98	nd	nd	42	15	66	120	nd	nd	nd	nd
		Oct 27, 00	nd	nd	nd	1.4	nd	nd	nd	nd	nd	nd
		Jan 31, 01	nd	nd	nd	nd	4.7	nd	nd	nd	nd	nd
	@75'	Sep 1, 92	nd	na	20	71	170	170	nd	nd	nd	nd
		Dec 1, 94	nd	19	11	78	200	180	nd	nd	nd	nd
		Oct 22, 98	nd	nd	17	95	330	170	nd	nd	nd	nd
		Oct 26, 00	nd	nd	nd	12	9.9	nd	nd	nd	nd	nd
		Feb 1, 01	nd	nd	nd	15	16	nd	nd	nd	nd	nd
B-10	@20'	Dec 1, 94	nd	nd	nd	2.0	410	2.0	nd	nd	nd	nd
		Oct 22, 98	nd	nd	nd	nd	17	nd	nd	nd	nd	nd
		Oct 27, 00	nd	nd	nd	nd	12	nd	nd	nd	nd	nd
		Jan 31, 01	nd	nd	nd	nd	27	nd	nd	nd	nd	nd
	@40'	Dec 1, 94	nd	nd	33	53	1,000	48	nd	nd	nd	nd
		Oct 22, 98	nd	nd	13	19	350	24	nd	nd	nd	nd
		Oct 27, 00	nd	nd	nd	1.0	17	nd	nd	nd	nd	nd
		Jan 31, 01	nd	nd	nd	nd	17	nd	nd	nd	nd	nd
	@50'	Dec 1, 94	nd	nd	2.0	54	880	13	nd	nd	nd	nd
		Oct 22, 98	nd	nd	3.8	21	250	8.6	nd	nd	nd	nd
		Oct 27, 00	nd	nd	nd	1.8	nd	nd	nd	nd	nd	nd
		Jan 31, 01	nd	nd	nd	nd	2.6	nd	nd	nd	nd	nd
	@55'	Dec 1, 94	nd	nd	nd	18	180	2.0	nd	nd	nd	nd
		Oct 22, 98	nd	nd	nd	45	400	3.3	nd	nd	nd	nd
		Oct 27, 00	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
		Feb 1, 01	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
B-11	@20'	Dec 1, 94	nd	nd	nd	98	2,300	nd	nd	nd	nd	nd
		Apr 30, 98	na	na	nd	nd	39	nd	na	na	na	na
		Oct 21, 98	nd	nd	nd	nd	1.1	nd	nd	nd	nd	nd
		Oct 27, 00	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
		Jan 31, 01	nd	nd	nd	1.5	nd	nd	nd	nd	nd	nd
	@40'	Dec 1, 94	nd	nd	nd	98	2,600	nd	nd	nd	nd	nd
		Apr 30, 98	na	na	nd	59	1,200	nd	na	na	na	na
		Oct 21, 98	nd	nd	nd	nd	12	nd	nd	nd	nd	nd
		Oct 27, 00	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
		Jan 31, 01	nd	nd	nd	1.5	5.4	nd	nd	nd	nd	nd
	@60'	Dec 1, 94	nd	nd	nd	84	1,800	nd	nd	nd	nd	nd
		Oct 21, 98	nd	nd	nd	nd	6.1	nd	nd	nd	nd	nd
		Oct 27, 00	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
		Jan 31, 01	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd

TABLE 5
Summary of All Soil Gas Analytical Results for Deep SVE Wells and Multi-Level Probes

SVE Well/Probe	Depth	Date	Freon-12	Freon-113	1,1,1-TCA	TCE	PCE	1,1-DCE	Benzene	Toluene	E'benzene	Xylenes
							<i>Micrograms per liter</i>					
B-02	@25'	Sep 1, 92	nd	na	nd	720	12,000	nd	2.0	5.0	nd	nd
		Dec 1, 94	nd	nd	nd	240	19,000	nd	nd	2.0	nd	nd
		Apr 29, 98	na	na	1.3	170	36,000	2.6	na	na	na	na
		Oct 1, 98	nd	nd	nd	nd	11,000	nd	nd	nd	nd	nd
		Oct 24, 00	nd	nd	nd	nd	25	nd	nd	nd	nd	nd
		Jan 31, 01	nd	nd	nd	3.7	710	nd	nd	nd	nd	nd
	@50'	Sep 1, 92	nd	na	nd	nd	230	nd	nd	nd	nd	nd
		Dec 1, 94	nd	nd	nd	320	13,000	nd	5.0	1.0	nd	1.0
		Apr 29, 98	na	na	nd	nd	16,000	nd	na	na	na	na
		Oct 1, 98	nd	nd	nd	nd	27	nd	nd	nd	nd	nd
		Oct 28, 00	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
		Jan 31, 01	nd	nd	nd	nd	16	nd	nd	nd	nd	nd
	@75'	Sep 1, 92	nd	na	nd	nd	93	nd	nd	nd	nd	nd
		Dec 1, 94	nd	nd	nd	320	8,800	nd	nd	nd	nd	nd
		Oct 1, 98	nd	nd	nd	8	120	nd	nd	nd	nd	nd
		Oct 28, 00	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
		Jan 31, 01	nd	nd	nd	1.5	6.8	nd	nd	nd	nd	nd
B-03	@25'	Sep 1, 92	nd	na	nd	110	1,400	nd	nd	nd	nd	nd
		Dec 1, 94	nd	nd	nd	89	8,400	nd	nd	5	nd	nd
		Apr 29, 98	na	na	nd	nd	7,000	nd	na	na	na	na
		Oct 22, 98	nd	nd	nd	nd	65	nd	nd	nd	nd	nd
		Oct 27, 00	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
		Jan 31, 01	nd	nd	nd	nd	4.2	nd	nd	nd	nd	nd
	@50'	Sep 1, 92	51	na	nd	490	2,000	nd	nd	nd	nd	nd
		Dec 1, 94	nd	nd	nd	240	5,100	2.0	3.0	nd	nd	nd
		Oct 19, 98	nd	3.4	nd	150	8,100	4.0	1.9	nd	nd	nd
		Oct 27, 00	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
		Jan 31, 01	nd	nd	nd	nd	29	nd	nd	nd	nd	nd
	@75'	Sep 1, 92	63	na	nd	870	2,100	nd	nd	nd	nd	nd
		Dec 1, 94	nd	nd	nd	230	3,300	1.0	11	2.0	nd	nd
		Oct 22, 98	nd	6.9	4.6	140	1,900	7.4	2.5	nd	nd	nd
		Oct 27, 00	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
		Jan 31, 01	nd	nd	nd	15	9.5	nd	nd	nd	nd	nd
B-04	@15'	Sep 1, 92	nd	na	nd	310	280	nd	nd	nd	nd	nd
		Dec 1, 94	nd	nd	nd	230	330	nd	nd	nd	nd	nd
		Apr 29, 98	na	na	nd	130	310	nd	na	na	na	na
		Oct 21, 98	nd	nd	nd	nd	2.2	1.5	nd	nd	nd	nd
		Oct 27, 00	nd	nd	nd	nd	1.7	nd	nd	nd	nd	nd
		Jan 31, 01	nd	nd	nd	22	4.2	nd	nd	nd	nd	nd
	@50'	Sep 1, 92	nd	na	nd	870	390	nd	nd	nd	nd	nd
		Dec 1, 94	nd	nd	nd	430	630	nd	nd	nd	nd	nd
		Apr 29, 98	na	na	nd	430	500	nd	na	na	na	na
		Oct 21, 98	nd	nd	nd	130	150	nd	nd	nd	nd	nd
		Oct 27, 00	nd	nd	nd	13	9.1	nd	nd	nd	nd	nd
		Jan 31, 01	nd	nd	nd	4.0	15	nd	nd	nd	nd	nd
	@75'	Sep 1, 92	nd	na	nd	82	480	nd	nd	nd	nd	nd
		Dec 1, 94	nd	nd	nd	140	1,100	nd	nd	nd	nd	nd
		Oct 21, 98	nd	nd	nd	20	77	1/1	nd	nd	nd	nd
		Oct 27, 00	nd	nd	nd	1.3	1.7	nd	nd	nd	nd	nd
		Jan 31, 01	nd	nd	nd	nd	2.3	nd	nd	nd	nd	nd
B-07	@20'	Sep 1, 92	nd	na	2,000	nd	7.0	290	nd	nd	nd	nd
		Dec 1, 94	nd	nd	340	nd	28	240	nd	nd	nd	nd
		Apr 30, 98	na	na	76	nd	4.4	75	na	na	na	na
		Oct 21, 98	nd	nd	nd	nd	5.6	nd	nd	nd	nd	nd
		Oct 26, 00	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
		Feb 1, 01	nd	nd	nd	nd	2.3	nd	nd	nd	nd	nd

TABLE 5
Summary of All Soil Gas Analytical Results for Deep SVE Wells and Multi-Level Probes

SVE Well/Probe	Depth	Date	Freon-12	Freon-113	1,1,1-TCA	TCE	PCE <i>Micrograms per liter</i>	1,1-DCE	Benzene	Toluene	Ebenzene	Xylenes
MW-05 (cont)	@50'	Sep 1, 92	280	na	1,500	11	340	600	nd	nd	nd	nd
		Dec 1, 94	nd	nd	320	3.0	120	270	nd	nd	nd	nd
		Apr 30, 98	na	na	280	15	220	380	na	na	na	na
		Oct 21, 98	nd	nd	18	1.2	38	21	nd	nd	nd	nd
		Oct 26, 00	nd	nd	nd	nd	1.5	nd	nd	nd	nd	nd
		Feb 1, 01	nd	nd	nd	nd	2.1	nd	nd	nd	nd	nd
	@75'	Sep 1, 92	340	na	200	12	110	97	nd	nd	nd	nd
		Dec 1, 94	nd	15	180	7.0	100	190	nd	nd	nd	nd
		Oct 21, 98	nd	nd	53	30	500	64	nd	nd	nd	nd
		Oct 26, 00	9.0	nd	nd	4.1	2.8	1.5	nd	nd	nd	nd
		Feb 1, 01	nd	nd	nd	3.2	1.4	nd	nd	nd	nd	nd
SVE-01	probe @85'	Dec 1, 94	nd	nd	nd	300	4,200	nd	4.0	nd	nd	nd
		Oct 20, 98	nd	nd	nd	80	540	nd	3.2	nd	nd	nd
		Oct 27, 00	nd	nd	nd	2.0	4.0	nd	nd	nd	nd	nd
		Feb 1, 01	nd	nd	nd	7.1	9.0	nd	nd	nd	nd	nd
	@16-75'	Dec 1, 94	nd	nd	nd	69	3,800	nd	2.0	nd	nd	nd
		Oct 22, 98	nd	nd	nd	23	1,400	3.5	nd	nd	nd	nd
		Oct 25, 00	nd	nd	nd	1.7	21	nd	nd	nd	nd	nd
		Feb 2, 01	nd	nd	nd	nd	3.1	nd	nd	nd	nd	nd
	probe @85'	Oct 20, 98	nd	nd	7.6	nd	28	13	nd	nd	nd	nd
		Oct 26, 00	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
	@20-75'	Oct 22, 98	nd	nd	6.7	nd	38	11	nd	nd	nd	nd
		Oct 24, 00	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
		Feb 2, 01	nd	nd	nd	nd	1.4	nd	nd	nd	nd	nd
SVE-04	@45-85'	Oct 22, 98	nd	nd	75	2.4	24	108	nd	nd	nd	nd
		Oct 24, 00	nd	nd	nd	8.1	6.8	2.5	nd	nd	nd	nd
		Feb 2, 01	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
SVE-05	probe @85'	Oct 20, 98	nd	nd	4.3	20	84	55	nd	nd	nd	nd
		Oct 27, 00	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
		Feb 1, 01	nd	nd	nd	nd	1.8	nd	nd	nd	nd	nd
	@20-55'	Oct 22, 98	nd	nd	4.0	15	69	25	nd	nd	nd	nd
		Oct 24, 00	nd	nd	nd	nd	6.4	nd	nd	nd	nd	nd
		Feb 2, 01	nd	nd	nd	nd	1.4	nd	nd	nd	nd	nd
	@25-55'	Nov 13, 98	nd	nd	12	nd	28	15	nd	nd	nd	nd
		Oct 25, 00	nd	nd	nd	nd	1.3	nd	nd	nd	nd	nd
		Feb 2, 01	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
	@55-80'	Nov 13, 98	nd	2.1	9.7	16	320	15	nd	nd	nd	nd
		Oct 25, 00	3.0	nd	nd	10	10	1.2	nd	nd	nd	nd
		Feb 2, 01	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
SVE-07	probe @85'	Oct 20, 98	nd	nd	nd	120	200	nd	nd	nd	nd	nd
		Oct 27, 00	nd	nd	nd	15	2.2	nd	nd	nd	nd	nd
		Feb 1, 01	nd	nd	nd	13	3.4	nd	nd	nd	nd	nd
	@20-75'	Oct 22, 98	nd	nd	nd	13	80	1.7	nd	28	2.6	8.7
		Oct 24, 00	nd	nd	nd	4.2	4.6	nd	nd	nd	nd	nd
		Feb 2, 01	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
	@45-85'	Oct 22, 98	nd	nd	nd	nd	51	nd	nd	290	50	347
		Oct 23, 98	nd	nd	nd	nd	35	nd	nd	380	82	580
		Jan 21, 99	nd	nd	nd	nd	14	nd	21	740	130	710
		Jul 9, 99	nd	nd	nd	nd	1.0	nd	3.0	70	30	188
		Dec 8, 99	na	na	na	1.7	4.2	nd	nd	140	76	480
		Oct 25, 00	nd	nd	nd	nd	1.7	nd	nd	6.5	32	240
		Feb 2, 01	nd	nd	nd	nd	nd	nd	nd	3.4	23	208

TABLE 5
Summary of All Soil Gas Analytical Results for Deep SVE Wells and Multi-Level Probes

SVE Well/Probe	Depth	Date	Freon-12	Freon-113	1,1,1-TCA	TCE	PCE <i>Micrograms per liter</i>	1,1-DCE	Benzene	Toluene	E'benzene	Xylenes
SVE-09	@45-85'	Oct 23, 98	nd	nd	nd	nd	4.5	nd	nd	nd	nd	nd
		Oct 27, 98	nd	9.9	2.4	63	1,400	5.9	3.3	nd	nd	nd
		Oct 25, 00	nd	nd	nd	12	8.8	1.4	nd	nd	nd	nd
		Feb 2, 01	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
SVE-10	@45-85'	Oct 27, 98	nd	nd	nd	13	200	nd	nd	nd	nd	nd
		Oct 25, 00	nd	nd	nd	nd	2.8	nd	1.3	nd	nd	nd
		Feb 2, 01	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
SVE-11	@45-85'	Jan 21, 99	nd	nd	nd	52	130	3.2	nd	nd	nd	nd
		Oct 25, 00	7.0	nd	1.4	20	21	4.4	nd	nd	nd	nd
		Feb 2, 01	nd	nd	nd	nd	1.9	nd	nd	nd	nd	nd
SVE-12	@45-85'	Jan 21, 99	nd	nd	nd	nd	8.5	nd	nd	nd	nd	nd
		Oct 25, 00	nd	nd	nd	nd	1.3	nd	nd	nd	nd	nd
		Feb 2, 01	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
SVE-13	@45-85'	Jan 21, 99	nd	nd	nd	nd	3.4	nd	nd	nd	nd	nd
		Oct 25, 00	nd	nd	nd	nd	4.6	nd	nd	nd	nd	nd
		Feb 2, 01	nd	nd	nd	nd	1.9	nd	nd	nd	nd	nd
SVE-14	@45-85'	Jul 9, 99	nd	nd	nd	14	7.8	5.3	nd	nd	nd	nd
		Oct 25, 00	nd	nd	nd	23	4.9	nd	nd	nd	nd	nd
		Feb 2, 01	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
SVE-15	@45-85'	Jul 9, 99	nd	nd	nd	2.5	5.1	nd	nd	8.8	1.0	9.5
		Dec 8, 99	na	na	nd	9.0	12.0	nd	nd	120	33	310
		Oct 25, 00	nd	nd	nd	2.0	1.8	nd	nd	nd	nd	17.6
		Feb 2, 01	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
SVE-16	@45-85'	Jul 9, 99	nd	nd	nd	20	5.6	1.8	nd	nd	nd	nd
		Oct 24, 00	nd	nd	nd	16	3.8	nd	nd	nd	nd	nd
		Oct 25, 00	nd	nd	nd	15	3.8	nd	nd	nd	nd	nd
		Feb 2, 01	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
SVE-17	@45-85'	Jul 9, 99	nd	nd	nd	3.1	2.1	nd	nd	nd	nd	nd
		Oct 24, 00	nd	nd	nd	2.0	3.0	nd	nd	nd	nd	nd
		Feb 2, 01	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
SVE-18	@45-85'	Jul 9, 99	nd	nd	nd	4.5	nd	nd	nd	nd	nd	nd
		Oct 24, 00	nd	nd	nd	nd	3.7	nd	nd	nd	nd	nd
		Feb 2, 01	nd	nd	nd	2.2	nd	nd	nd	nd	nd	nd
SVE-19	@45-85'	Jul 9, 99	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
		Oct 24, 00	nd	nd	nd	4.6	nd	nd	nd	nd	nd	nd
		Feb 2, 01	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
SVE-20	@45-85'	Jul 9, 99	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
		Oct 24, 00	nd	nd	nd	2.8	3.5	nd	nd	nd	nd	nd
		Feb 2, 01	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd

TABLE 6
Targeted Soil Cleanup Levels

Depth Below Land Surface (Feet)	Targeted Cleanup Level (µg/kg) ^{a-}				Equivalent Soil Gas Concentration (µg/L) ^{b-}			
	PCE	TCE	1,1,1-TCA	1,1-DCE	PCE	TCE	1,1,1-TCA	1,1-DCE
0 - 10	544 - 900 ^{c-}	78	3,112	93	800 - 1000 ^{c-}	35	475	187
10 - 20	544 - 900 ^{c-}	63	2,520	76	600 - 1000 ^{c-}	28	385	150
20 - 30	544 - 900 ^{c-}	48	1,928	58	600 - 1000 ^{c-}	20	295	120
30 - 40	34	34	1,354	41	38	15	205	80
40 - 50	20	20	780	23	22	10	120	50
50 - 60	18	18	700	21	20	9	105	45
60 - 70	9	9	352	11	10	6	55	25
70 - 80	6	6	248	7	7	4	40	15
80 - water table	5	5	200	6	6	3	30	12

Notes:

- a- Targeted cleanup goals (HGC, 1996)
- b- Equivalent mass calculated from equation 14, Appendix A of Interim Site Assessment and Cleanup Guidebook (California Regional Water Quality Control Board, 1996)
- c- Phase 1 Cleanup Level, specified to 25 feet for PCE only

TABLE 7
Maximum Soil Screening Levels for Petroleum Hydrocarbons

Compound	Maximum Soil Screening Level		Equivalent Soil Gas Concentration	
	80 Feet ^a	20 Feet ^a	80 Feet ^a	20 Feet ^a
	mg/kg		µg/L	
Benzene	0.033	0.011	15.0	5.0
Toluene	2.0	0.3	528	79.2
EthylBenzene	7.0	0.7	2,450	245
Total Xylenes	20	1.75	7,150	625
TPH, as gasoline	500	500	2,300	2,300

Notes:

^a Distance in feet above water table

µg/L: micrograms per liter

mg/kg Milligrams per kilogram

Soil screening levels from Table 1-4 of Interim Site Assessment and Cleanup Guidebook

Equivalent mass calculated from equation 14,

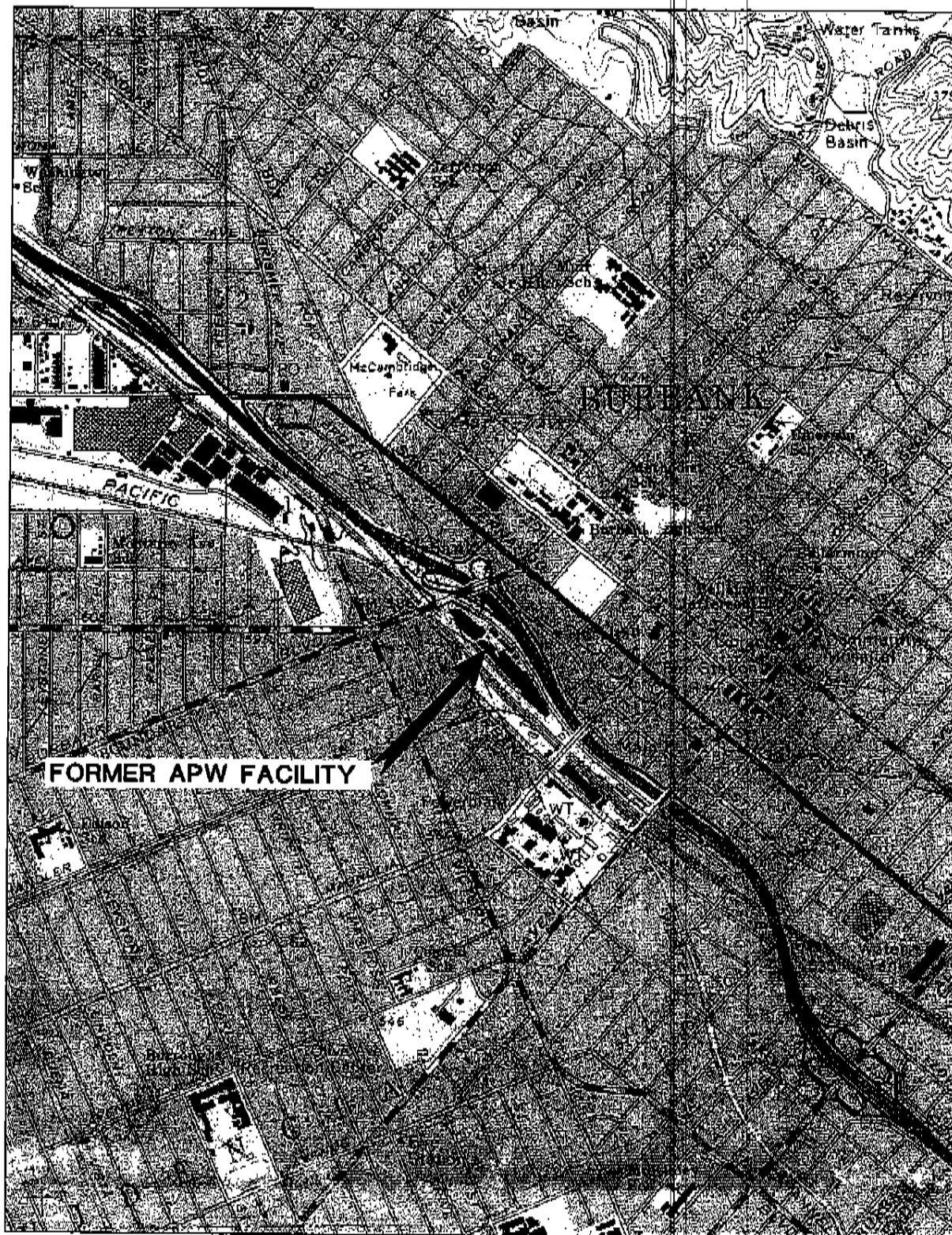
Appendix A of Interim Site Assessment and Cleanup Guidebook

TABLE 8
Soil Vapor VOC Mass Extraction Efficiency

<i>Quarterly Period</i>	<i>Average Extraction Rate (scfm)</i>	<i>VOC Mass Removed Per Quarter (lbs)</i>	<i>Overall Extraction Efficiency (lbs VOC / scf)</i>	<i>Extraction Efficiency for Chlorinated VOCs (lbs VOC / scf)</i>
May - July 1998	700	1730	2.54E-05	2.54E-05
August - October 1998	760	1040	1.41E-05	1.27E-05
November 1998 - January 1999	710	2310	3.35E-05	3.01E-05
February - April 1999	700	780	1.15E-05	8.52E-06
May - July 1999	690	440	6.56E-06	3.58E-06
August - October 1999	730	490	6.91E-06	8.46E-07
November 1999 - January 2000	760	710	9.51E-06	4.06E-07
February - April 2000	640	135	2.17E-06	4.82E-07
May - July 2000	640	158	2.54E-06	3.22E-07
August - October 2000	430	179	4.28E-06	4.79E-07

Notes *VOC: Volatile organic compound*
Chlorinated VOC: Primarily PCE
scfm: Standard cubic foot (of gas) per minute
lbs VOC / scf: Pounds of VOCs extracted
per standard cubic foot of gas extracted
Extraction efficiency calculated by dividing VOC mass by the product of
average extraction rate and number of minutes system ran per quarter

FIGURES



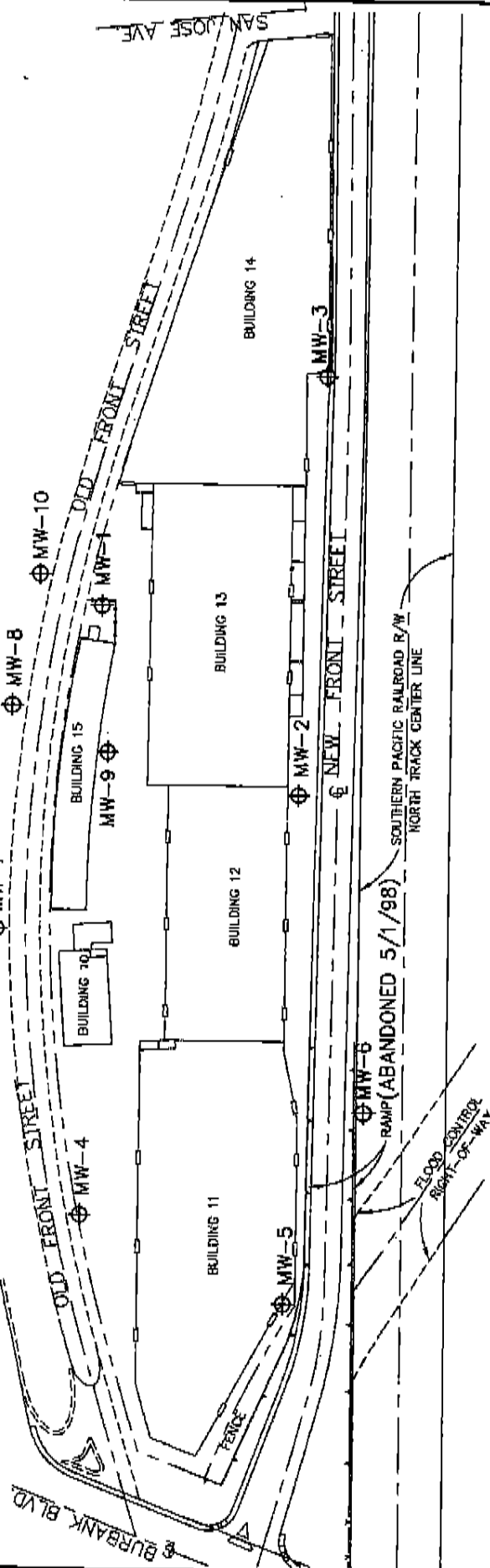
BASE MAP FROM USGS 7.5 MIN.
QUAD "BURBANK, CA" 1966/1972



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VICINITY MAP
Former APW Facility
777 Front Street, Burbank, CA

Approved JJW	Date 2/02/00	Revised	Date	Reference: 4650535B	FIG. 1
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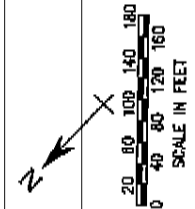
EXPLANATION

MW-2 ⊕ GROUNDWATER MONITORING WELL

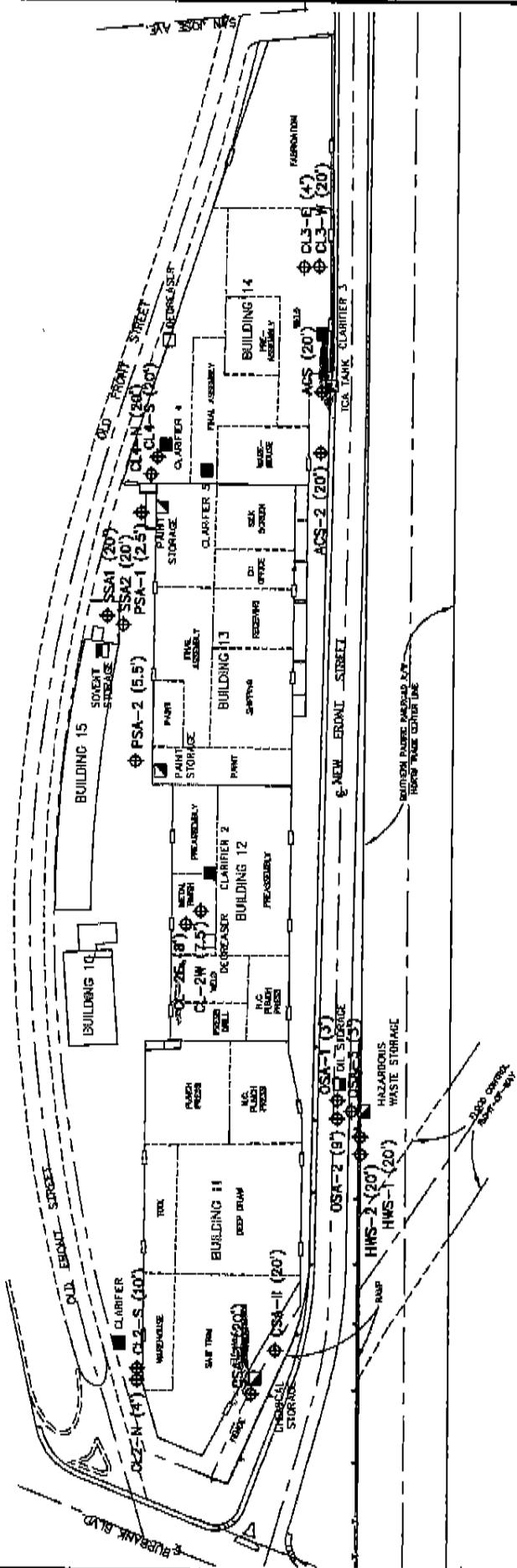
ENTRANCE



GATE
FENCE
RAILROAD TRACKS



				FACILITY MAP Former APW Facility 777 Front St, Burbank, CA			
Approved JW	Date 3/15/00	Revised	Date	Reference: 4650523A	FIG. 2		



EXPLANATION

⊕ SOIL BORING LOCATION, ID AND (DEPTH)
CSA-11 (20') (TARGHEE, 1991)

☒ CHEMICAL STORAGE ☐ DEGREASER
☒ HAZARDOUS WASTE STORAGE ☒ CLARIFIER

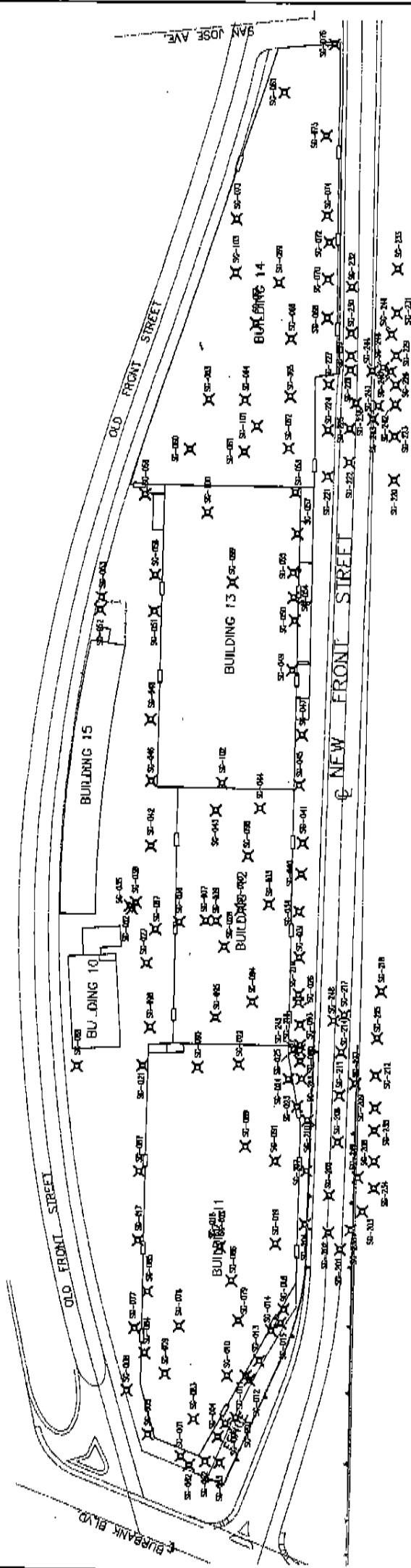
— ENTRANCE
— BUILDING
— GATE
— FENCE
— RAILROAD TRACKS

☒ SOLVENT STORAGE ☒ PAINT STORAGE
☒ OIL STORAGE ☒ TCA TANK

LOCATIONS OF PREVIOUS BORINGS Former APW Facility 777 Front St, Burbank, CA



Approved	Date	Revised	Date	Reference:	FIG.
JW	2/23/01			4650546A	3

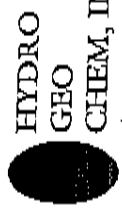


EXPLANATION

X BORING WELL LOCATION

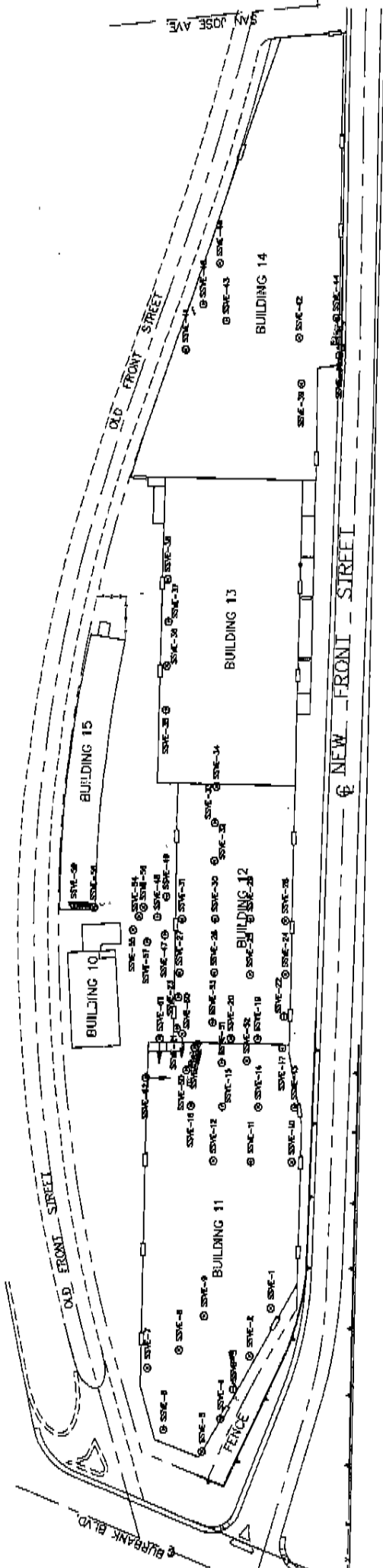
NOTES:
PROBES SG-1 TO SG-103 SAMPLED JANUARY 1992
PROBES SG-201 TO SG-249 SAMPLED DECEMBER 1994

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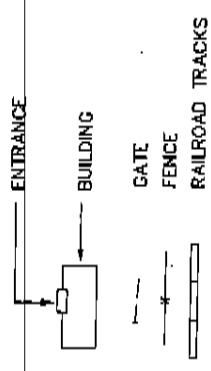
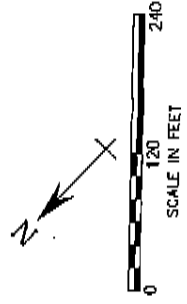
LOCATIONS OF DRIVE POINT
SOIL GAS SAMPLES

Approved	Date	Revised	Date	Reference	FIG.
JW	2/23/01			4650558A	4



EXPLANATION

- SSVE-10 SHALLOW SOIL VAPOR EXTRACTION WELL
- PROJECTION OF SLANT SHALLOW SVE WELL (SSVE-21, -49, AND -55 CONVERTED TO SHALLOW INJECTION WELLS)

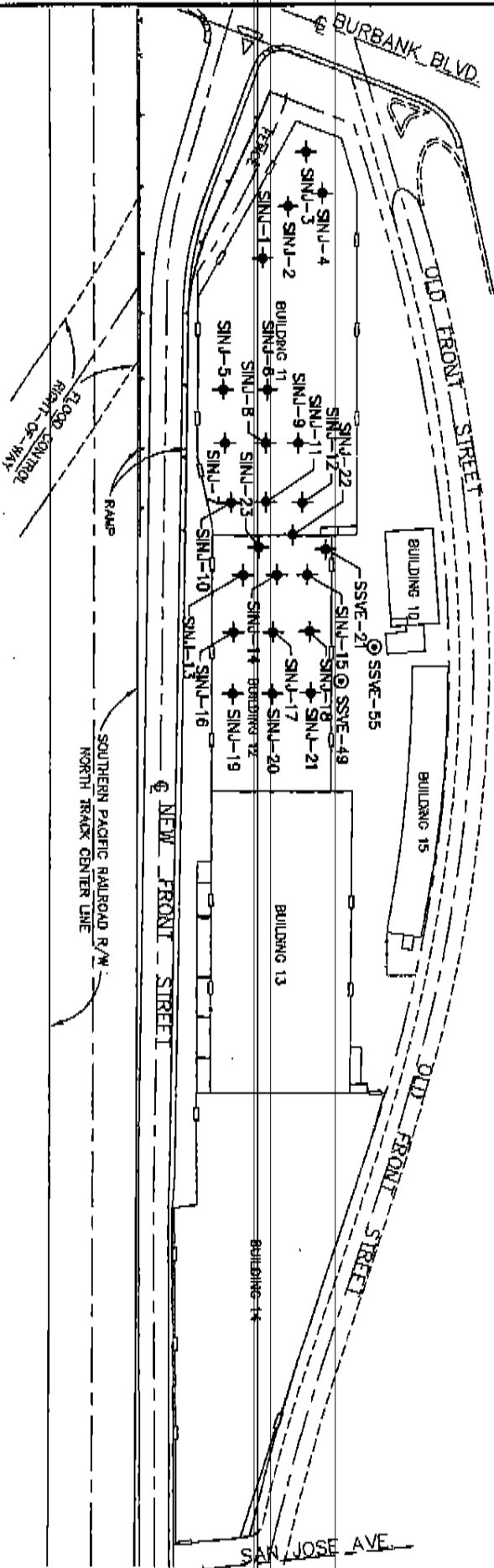


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LOCATIONS OF PHASE 1
SHALLOW SOIL VAPOR EXTRACTION WELLS
Former APW Facility
777 Front St, Burbank, CA

Approved JM	Date 3/23/00	Revised	Reference: 4650520A	FIG. 5
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EXPLANATION

◆ SINU-5 SHALLOW INJECTION WELL
 (SSVE-21, -49, -55 CONVERTED TO SHALLOW INJECTION WELLS)

ENTRANCE

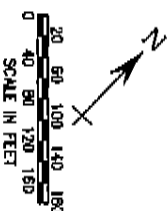


BUILDING

GATE

FENCE

RAILROAD TRACKS

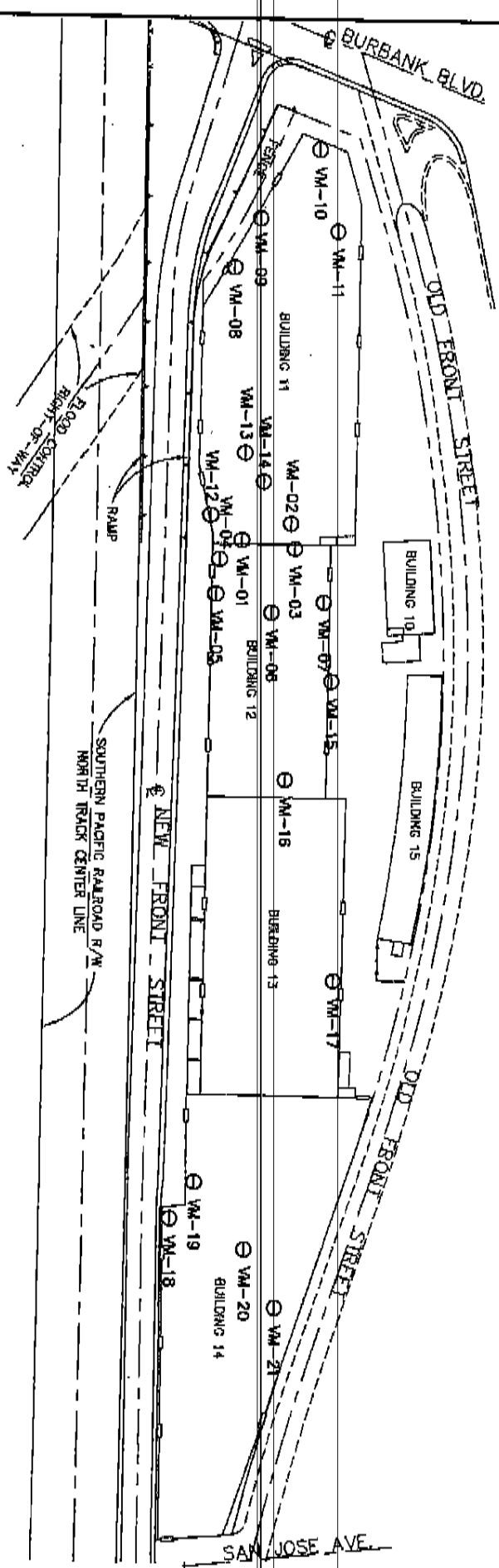


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LOCATIONS OF PHASE 1 SHALLOW INJECTION WELLS

Former APW Facility
 777 Front St, Burbank, CA

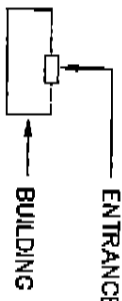
Approved	Date	Revised	Date	Reference:	FIG.
JM	3/23/00			4650519A	6



EXPLANATION

⊖ SHALLOW VAPOR MONITORING PROBE

ENTRANCE



GATE

FENCE

RAILROAD TRACKS

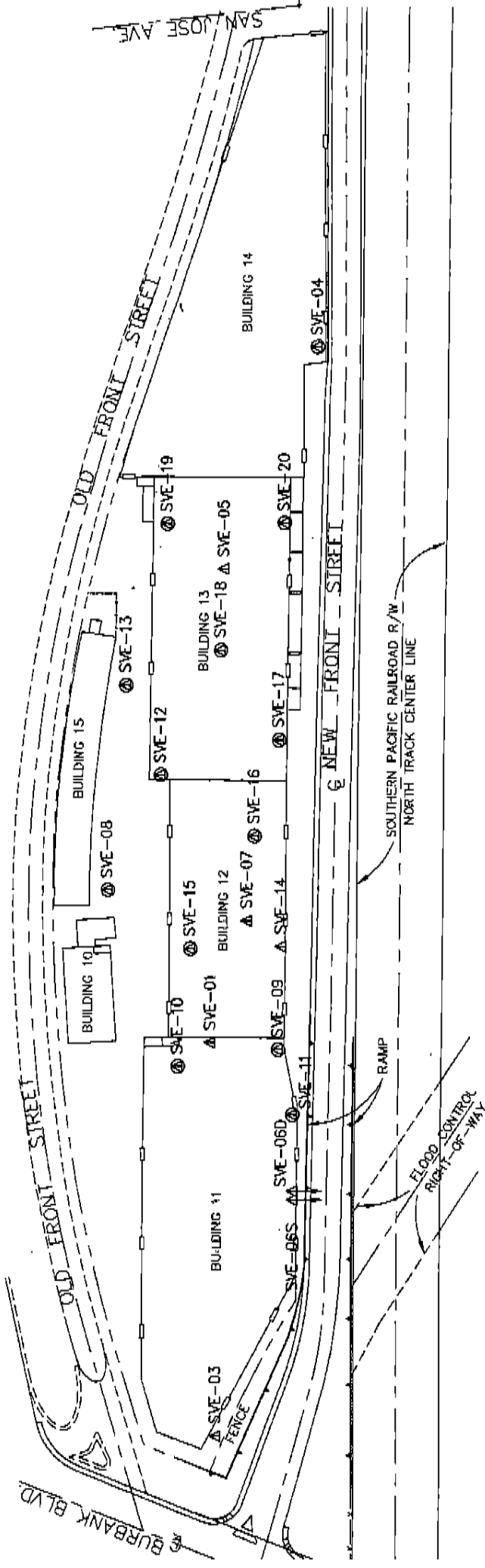
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LOCATIONS OF PHASE 1 SHALLOW SOIL VAPOR MONITORING PROBES

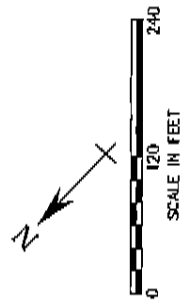
Former APW Facility
777 Front St, Burbank, CA

Approved	Date	Revised	Date	Reference:	FIG.
JM	3/23/00			4650521A	7



EXPLANATION

- ▲ DEEP SVE WELL
- ④ COMBINATION SVE WELL (SVE PLUS SPARGE WELL)
- ↓ PROJECTION OF SLANT SVE WELLS
- ENTRANCE
- BUILDING
- GATE
- FENCE
- RAILROAD TRACKS

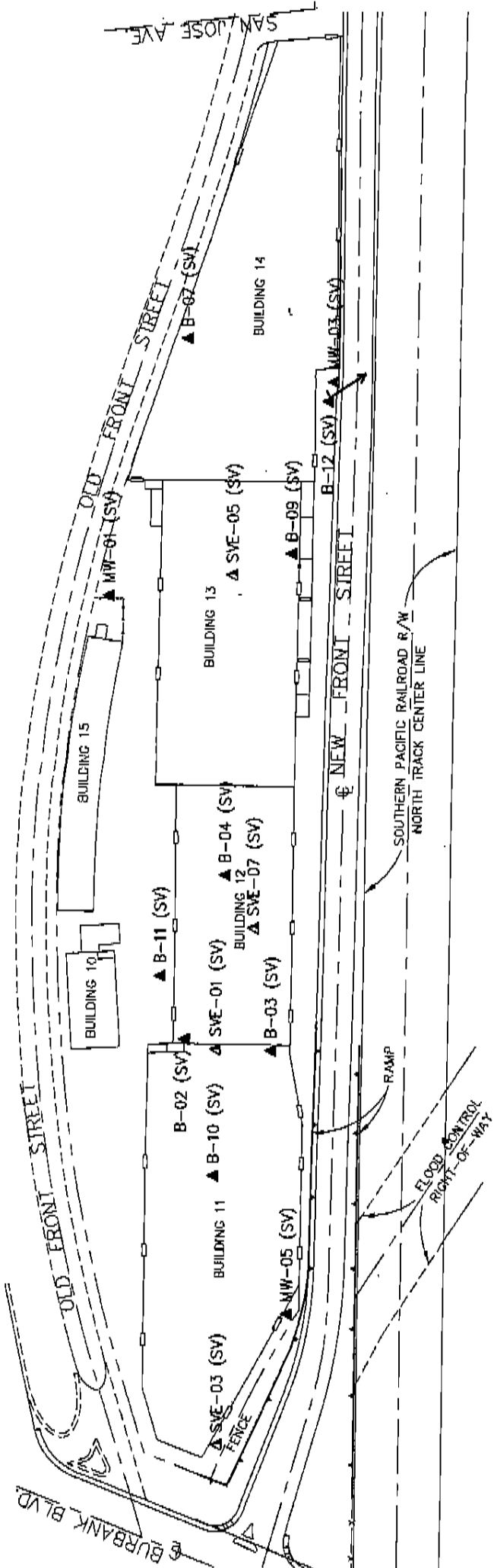




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CHEM, INC.**

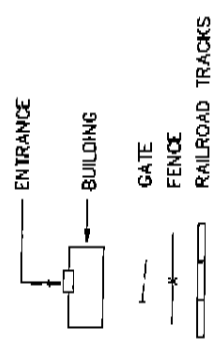
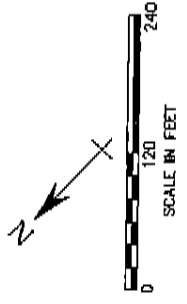
**LOCATIONS OF PHASE 2 DEEP SOIL
VAPOR EXTRACTION WELLS**
Former APW Facility
777 Front St, Burbank, CA

Approved JM	Date 3/23/00	Revised	Date	Reference 4650522A	FIG. 8
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EXPLANATION

- ▲ B-02 (SV) MULTI-DEPTH SOIL VAPOR MONITORING PROBE
- ▲ SVE-07 (SV) SINGLE-DEPTH SOIL VAPOR MONITORING PROBE
- ▲ B-12 (SV) PROJECTION OF SLANT VAPOR MONITORING PROBE

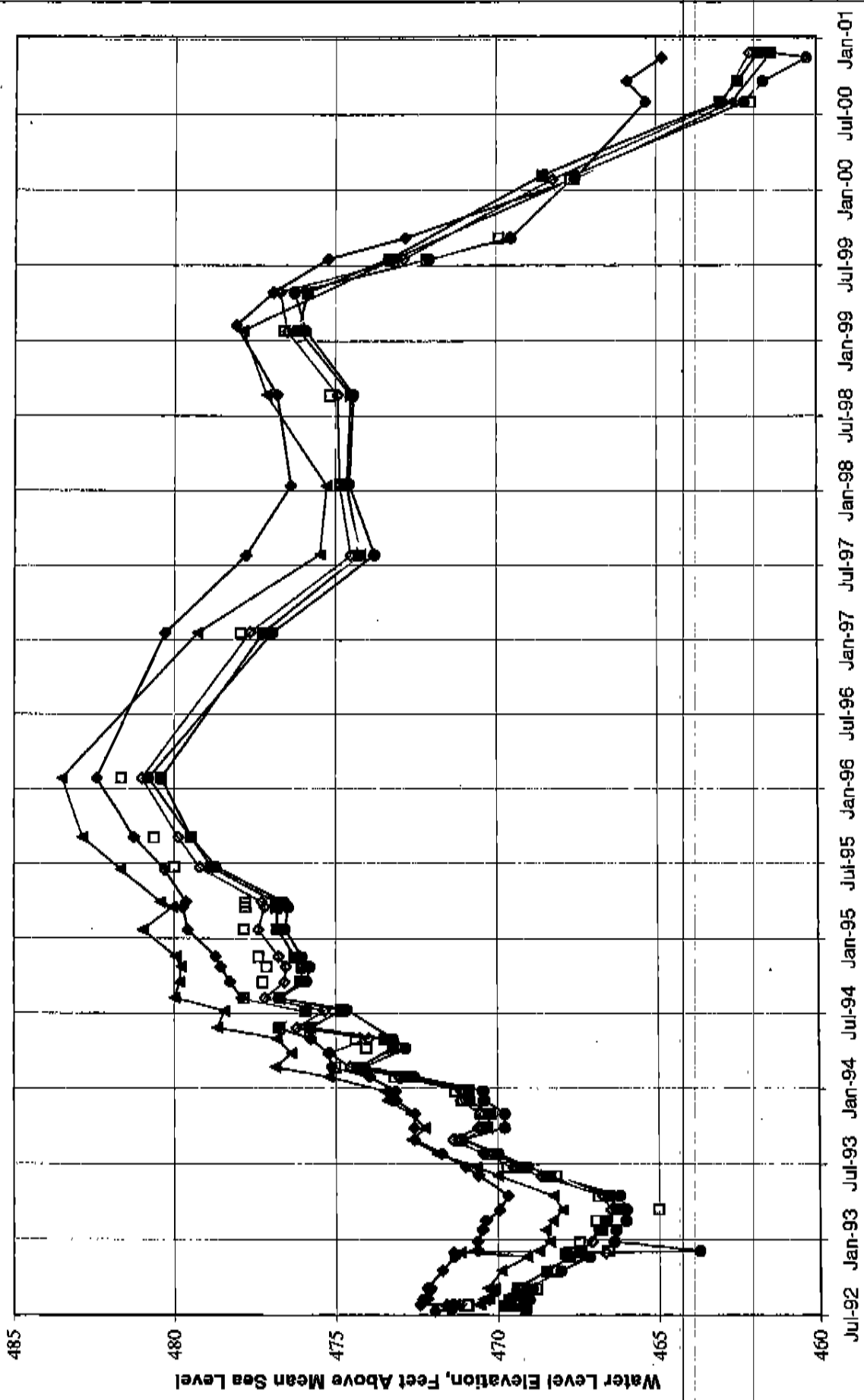




**HYDRO
GEO
CHEM, INC.**

**LOCATIONS OF MULTI-LEVEL SOIL VAPOR
MONITORING PROBES**
Former APW Facility
777 Front St, Burbank, CA

Approved JW	Date 3/7/00	Revised	Reference 4650528A	FIG. 9
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**HYDRO
GEO
CHEM, INC.**



WATER LEVEL HYDROGRAPHS:
JULY 1992 - OCTOBER 2000
 Former APW Facility, 777 Front Street, Burbank, CA

APPROVED: JJW

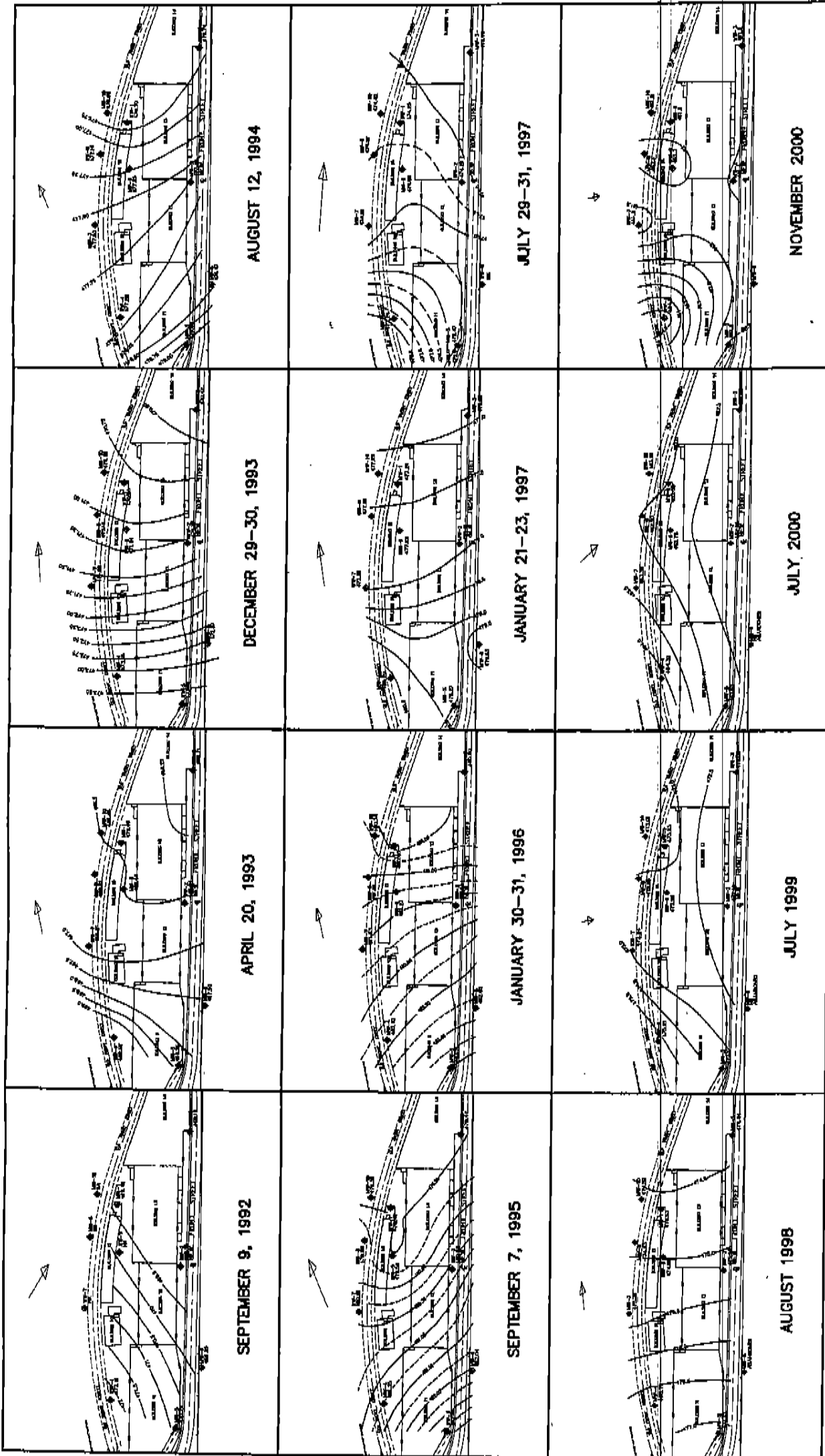
DATE: 01/15/01

REFERENCE: **FIGURE 10**

Legend:

- MW-1 ◆ MW-4 ▲ MW-5
- MW-3 □ MW-2 ◇ MW-8

H:\465001\465061\mon_report\ZERO Wat levChart1-4/5/01



EXPLANATION

- W-2 GROUNDWATER MONITORING WELL
- 482.05 GROUNDWATER ELEVATION (FEET ABOVE MEAN SEA LEVEL)
- 482.5 GROUNDWATER ELEVATION CONTOUR (FEET ABOVE MEAN SEA LEVEL)
- BUILDING
- ENTRANCE
- DATE
- FENCE
- RAILROAD TRACKS

GROUNDWATER FLOW DIRECTION VECTOR
REFERENCE VECTOR SCALE:

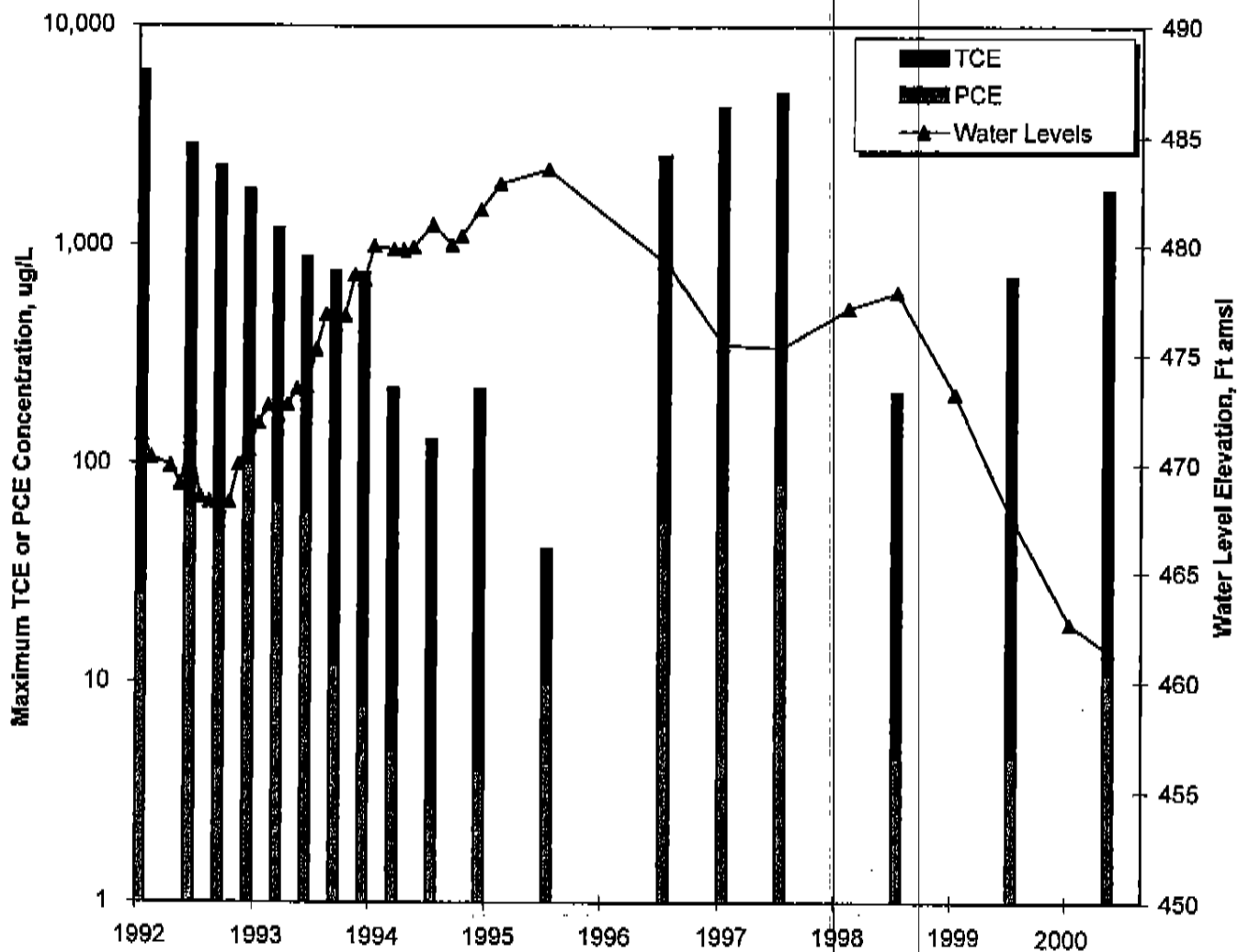
0.002

0.01

HYDRO GEO CHEM, INC.

GROUNDWATER ELEVATIONS AND FLOW DIRECTIONS BETWEEN 1992 AND 2000

Approved JMJ/JW	Date 2/23/01	Revised	Date	Reference: 4650556A	FIG. 11
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**HYDRO
GEO
CHEM, INC.**

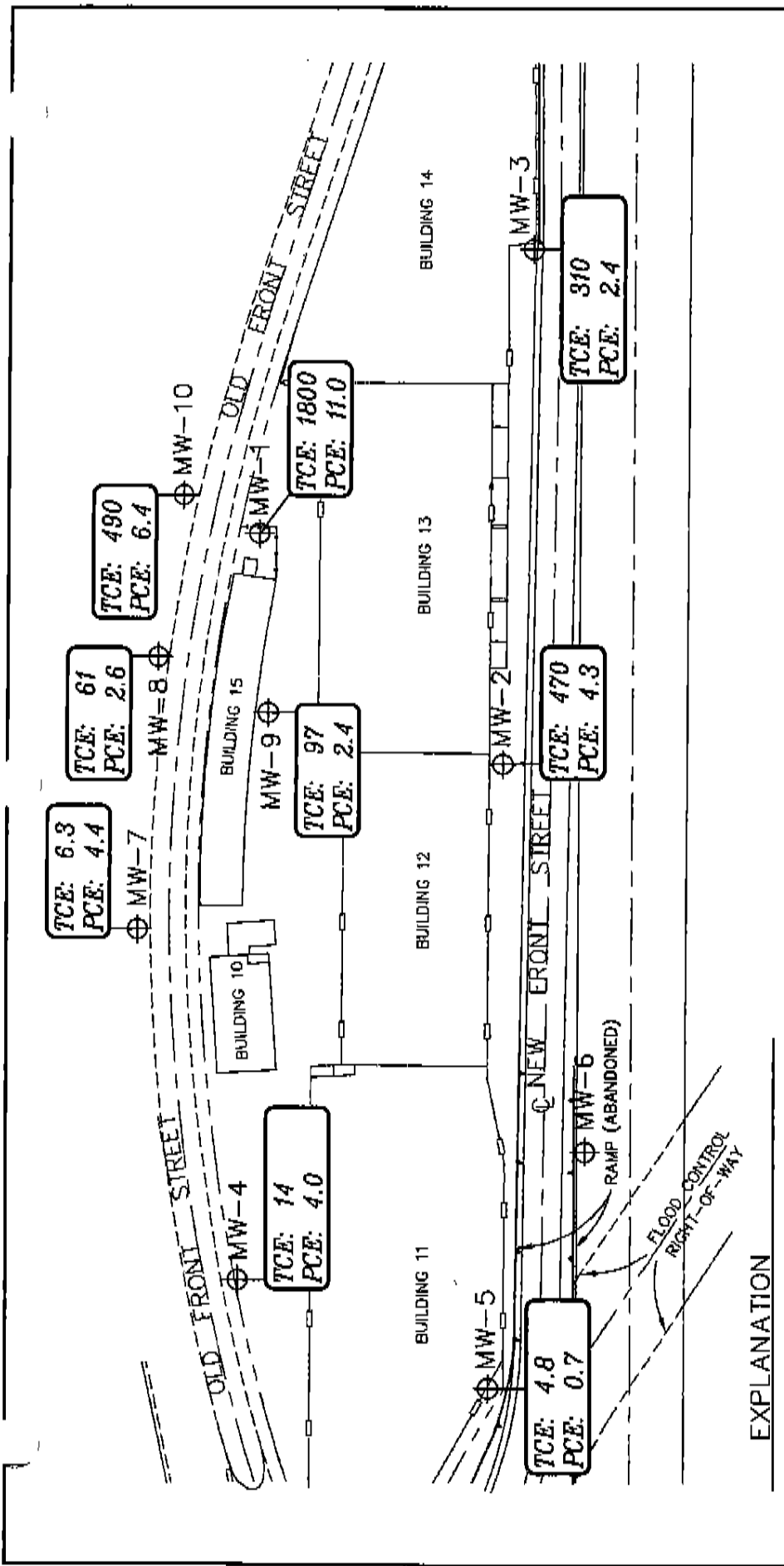
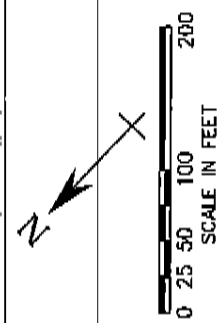
**COMPARISON OF TCE AND PCE CONCENTRATIONS
WITH WATER LEVEL FLUCTUATIONS**
Former APW Facility, 777 Front Street, Burbank, CA

APPROVED
JJW

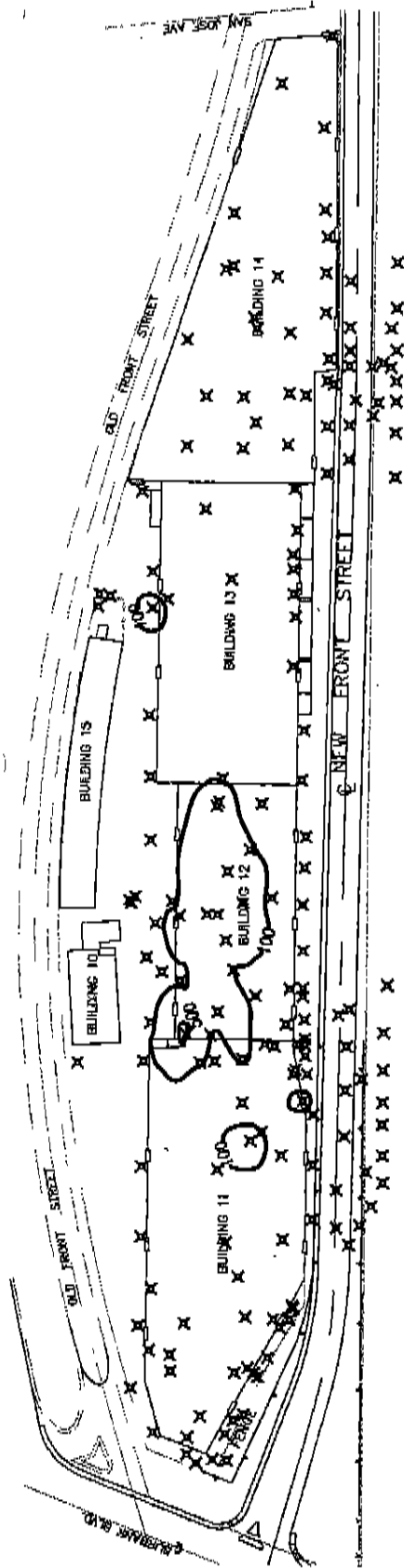
DATE
3/23/01

REFERENCE

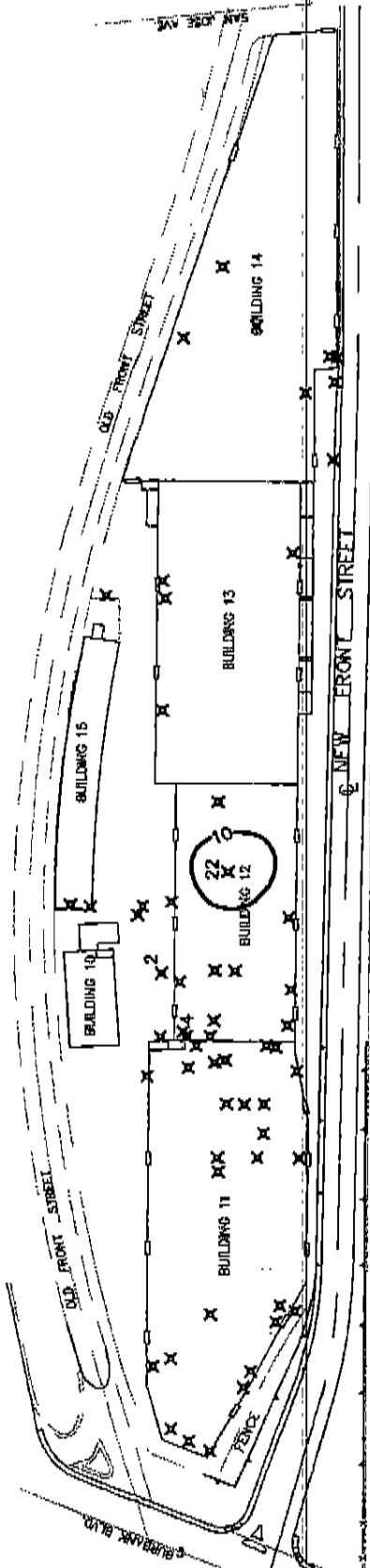
FIGURE
12



		TCE AND PCE IN GROUNDWATER SAMPLES NOVEMBER 2000 SAMPLING ROUND Former APW Facility 777 Front Street, Burbank, CA	
Approved JW	Date 3/23/00	Revised Date	Reference 4650557A
NAME: K:\46505\4650557A.DWG DATE: APRIL 02, 2003 TIME: 10:10 AM		FIG. 13	



PRE-REMEDIAL CONDITIONS



POST-REMEDIAL CONDITIONS

EXPLANATION
 22 SOIL GAS SAMPLING LOCATION
 x SOIL GAS CONCENTRATION (ug/L)
 — 100 — SOIL GAS CONCENTRATION CONTOURS (ug/L)

SHALLOW-LEVEL: 0-25 FEET BELOW GRADE

POST-REMEDIAL SAMPLING LOCATIONS
 WITHOUT ASSOCIATED VALUES WERE
 NON-DETECT (<1 ug/L)



SHALLOW LEVEL TCE SOIL GAS CONCENTRATIONS PRE - AND POST-REMEDIAL CONDITIONS

Approved JM

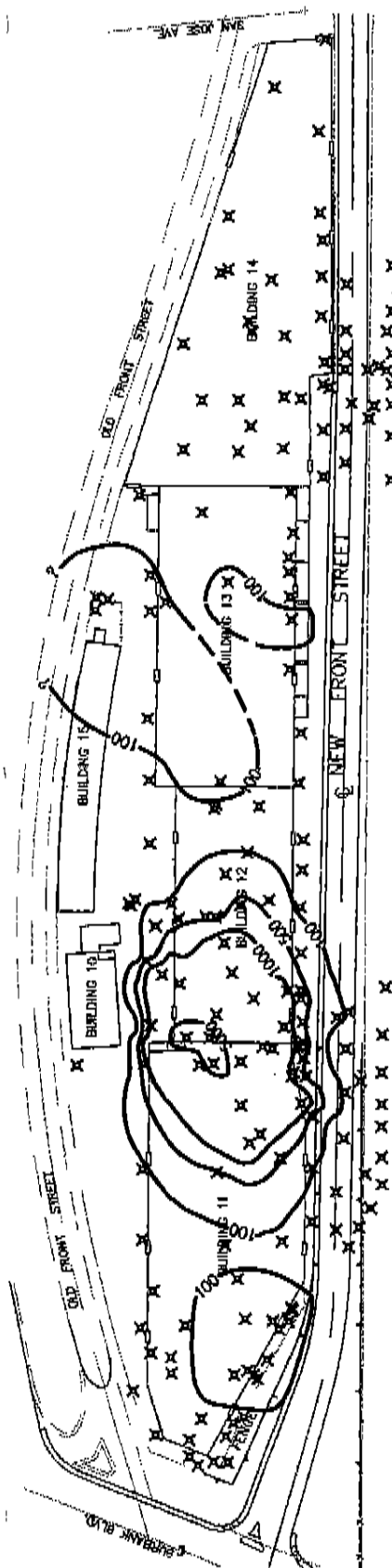
Date 3/01/01

Revised

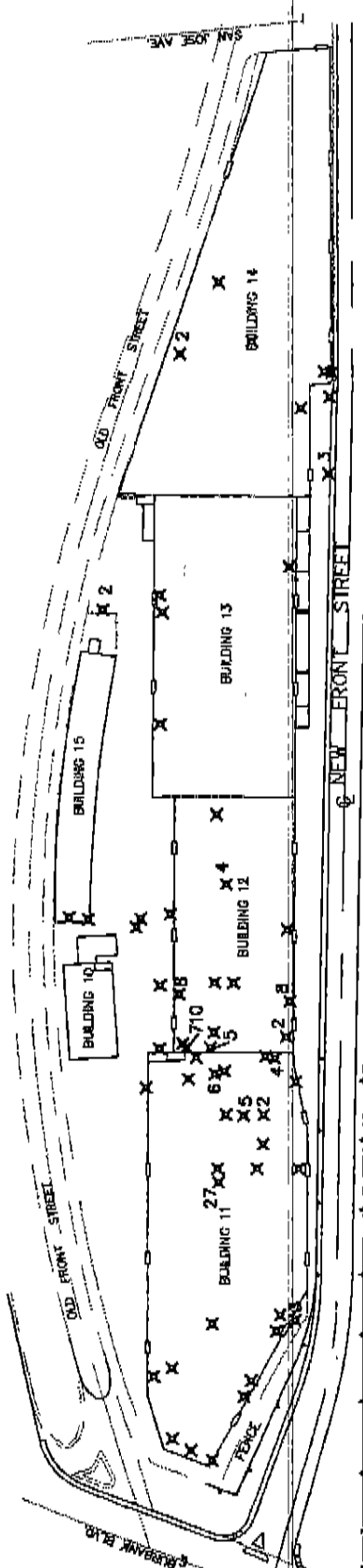
Date

Reference: 4650551A

FIG. 14



PRE-REMEDIAL CONDITIONS

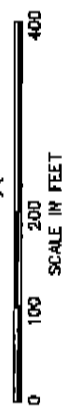


POST-REMEDIAL CONDITIONS

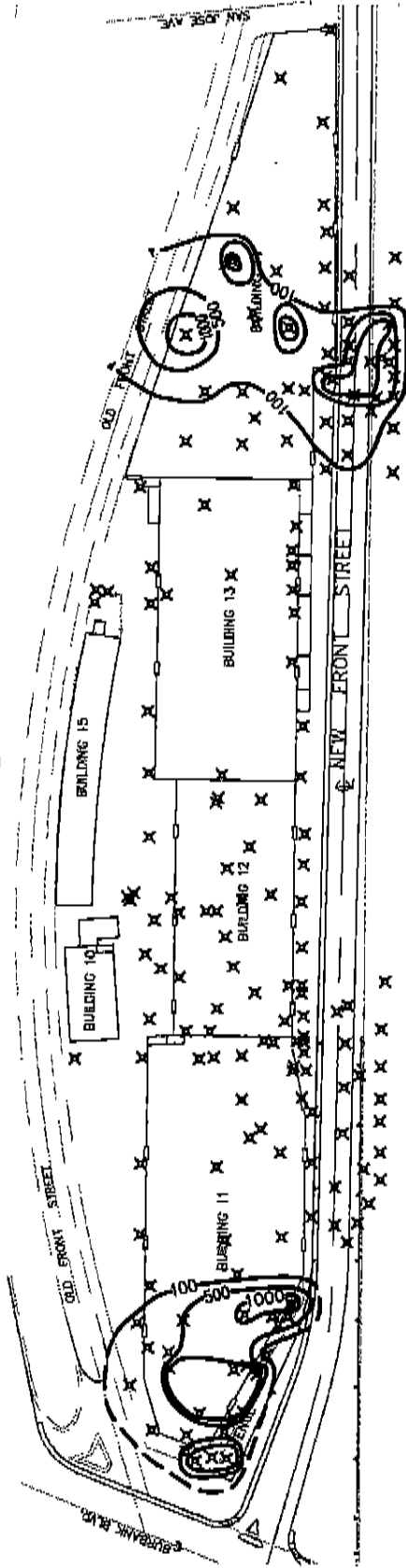
EXPLANATION

- 27 SOIL GAS SAMPLING LOCATION,
- x SOIL GAS CONCENTRATION (ug/L)
- 100— SOIL GAS CONCENTRATION CONTOURS (ug/L)

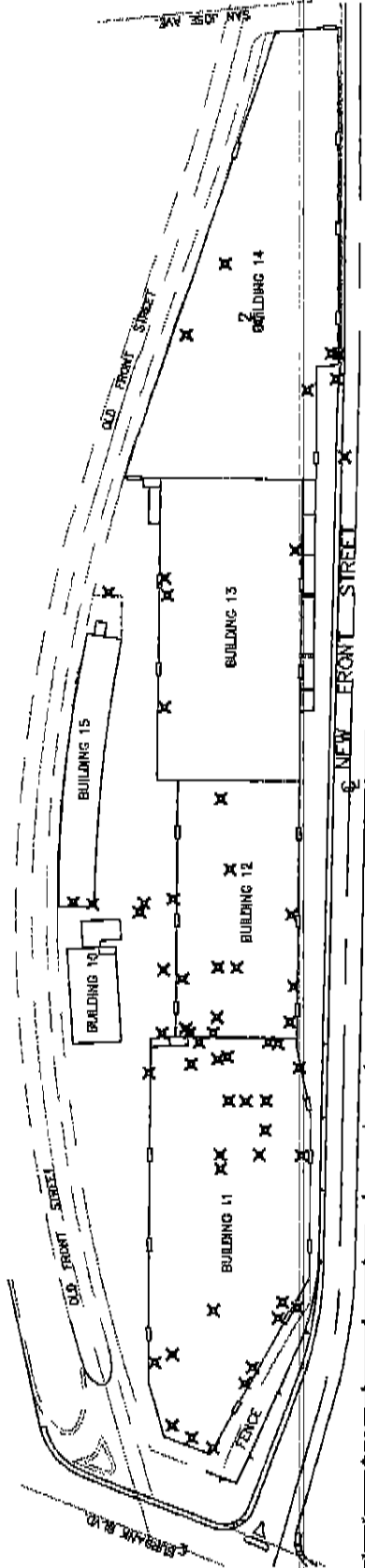
SHALLOW-LEVEL: 0-25 FEET BELOW GRADE
 POST-REMEDIAL SAMPLING LOCATIONS
 WITHOUT ASSOCIATED VALUES WERE
 NON-DETECT (<1 ug/L)



 <div style="display: inline-block; text-align: center;"> HYDRO GEO CHEM, INC. </div>		SHALLOW LEVEL PCE SOIL GAS CONCENTRATIONS PRE- AND POST-REMEDIAL CONDITIONS			
Approved JM	Date 3/01/01	Revised	Date	Reference: 4650550A	FIG. 15



PRE-REMEDIAL CONDITIONS



POST-REMEDIAL CONDITIONS

EXPLANATION

- 2 SOIL GAS SAMPLING LOCATION,
- x SOIL GAS CONCENTRATION (ug/L)
- 100 — SOIL GAS CONCENTRATION CONTOURS (ug/L)

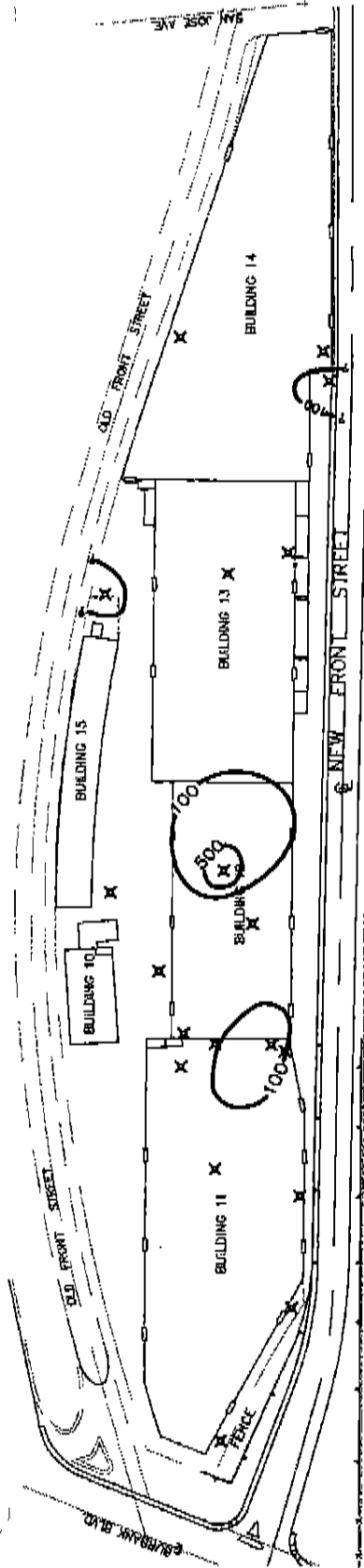
SHALLOW-LEVEL: 0-25 FEET BELOW GRADE

POST-REMEDIAL LOCATIONS
WITHOUT ASSOCIATED VALUES
WERE NON-DETECT (<1 ug/L)

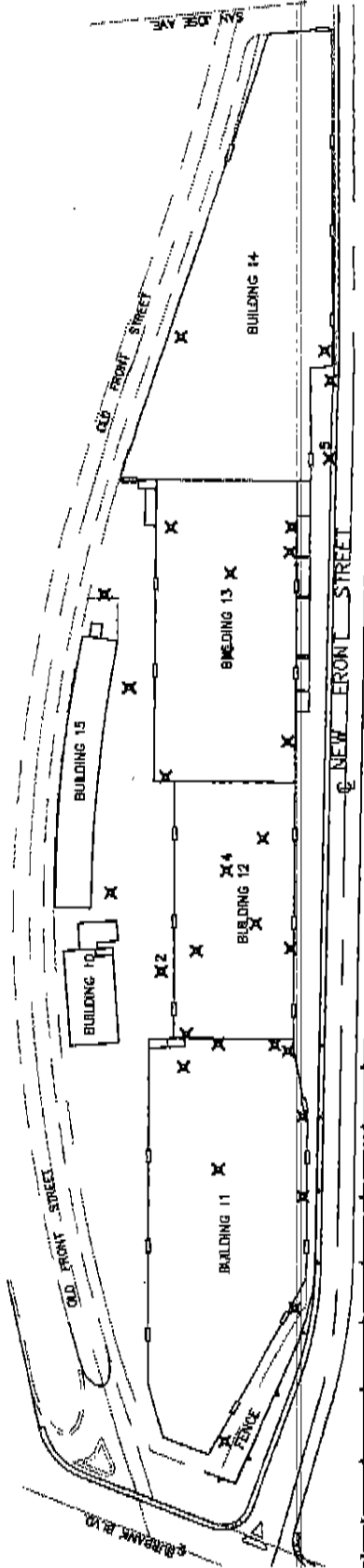


**SHALLOW LEVEL 1,1,1-TCA SOIL GAS CONCENTRATIONS
PRE- AND POST-REMEDIAL CONDITIONS**

Approved JM	Date 3/01/01	Revised	Date	Reference: 4650552A	FIG. 16
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PRE-REMEDIAL CONDITIONS



EXPLANATION

- 4 SOIL GAS SAMPLING LOCATION,
- x SOIL GAS CONCENTRATION (ug/L)
- 100— SOIL GAS CONCENTRATION CONTOURS (ug/L)

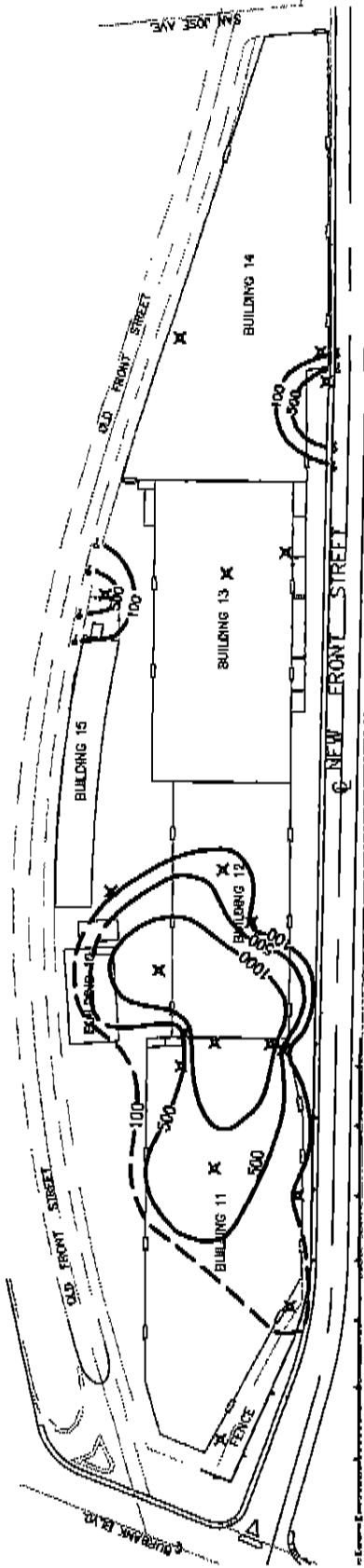
MID-LEVEL: 25-60 FEET BELOW GRADE
 POST-REMEDIAL LOCATIONS
 WITHOUT ASSOCIATED VALUES
 WERE NON-DETECT (<1 ug/L)

POST-REMEDIAL CONDITIONS

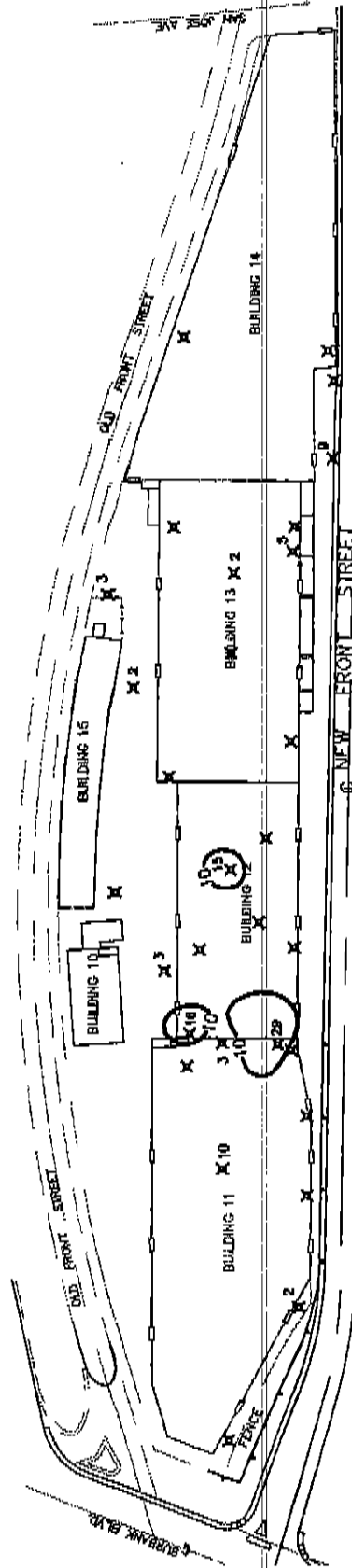


MID-LEVEL TCE SOIL GAS CONCENTRATIONS PRE- AND POST-REMEDIAL CONDITIONS

Approved JM	Date 3/01/01	Revised	Date	Reference: 4650548A	FIG. 17
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PRE-REMEDIAL CONDITIONS



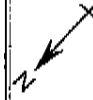
EXPLANATION

- 2 SOIL GAS SAMPLING LOCATION,
- X SOIL GAS CONCENTRATION (ug/L)
- 100 SOIL GAS CONCENTRATION CONTOURS (ug/L)

MID-LEVEL: 25-60 FEET BELOW GRADE

POST-REMEDIAL LOCATIONS
WITHOUT ASSOCIATED VALUES
WERE NON-DETECT (<1 ug/L)

POST-REMEDIAL CONDITIONS

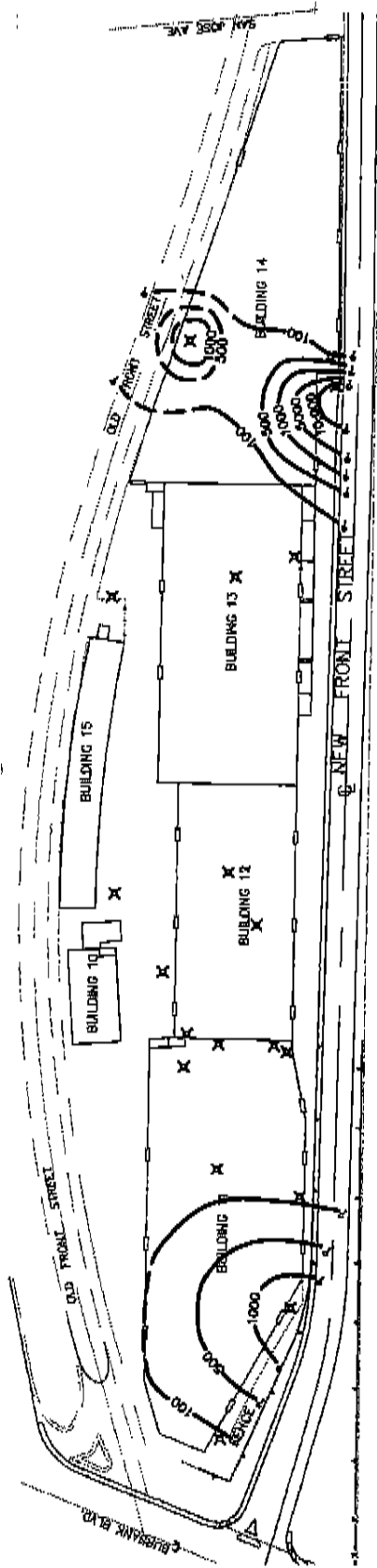


0 100 200 400
SCALE IN FEET

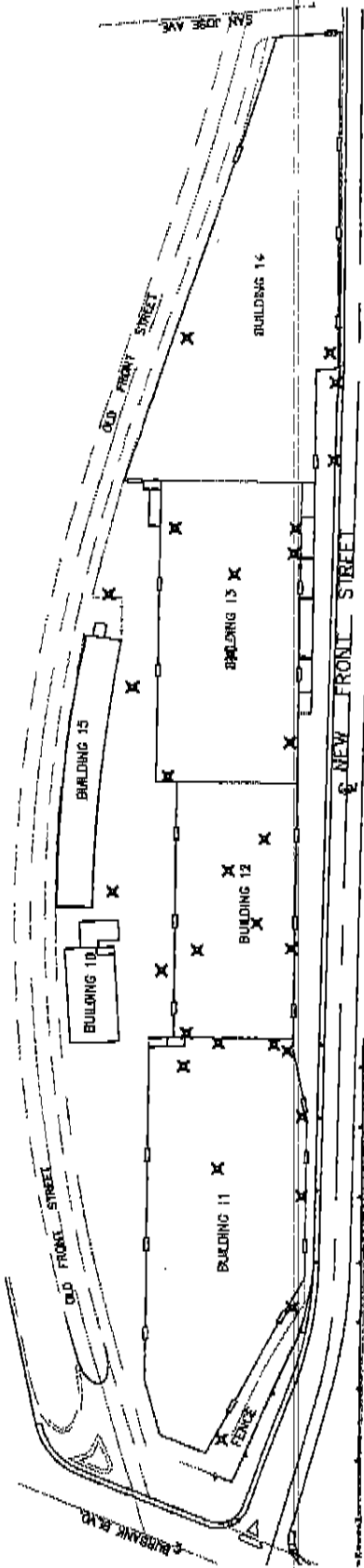
MID-LEVEL PCE SOIL GAS CONCENTRATIONS PRE- AND POST-REMEDIAL CONDITIONS



Approved JM	Date 3/01/01	Revised	Date	Reference: 4850547A	FIG. 18
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PRE-REMEDIAL CONDITIONS



EXPLANATION

- 2 SOIL GAS SAMPLING LOCATION, (ug/L)
- x SOIL GAS CONCENTRATION (ug/L)
- 100 — SOIL GAS CONCENTRATION CONTOURS (ug/L)

MID LEVEL: 25-60 FEET BELOW GRADE

ALL POST-REMEDIAL SAMPLING LOCATIONS NON-DETECT (<1ug/L)

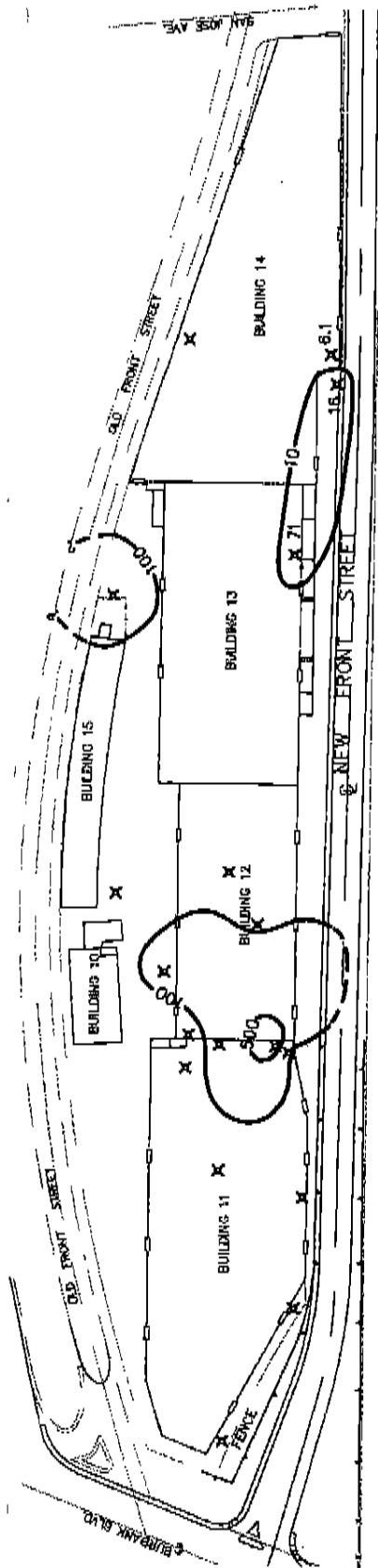
POST-REMEDIAL CONDITIONS



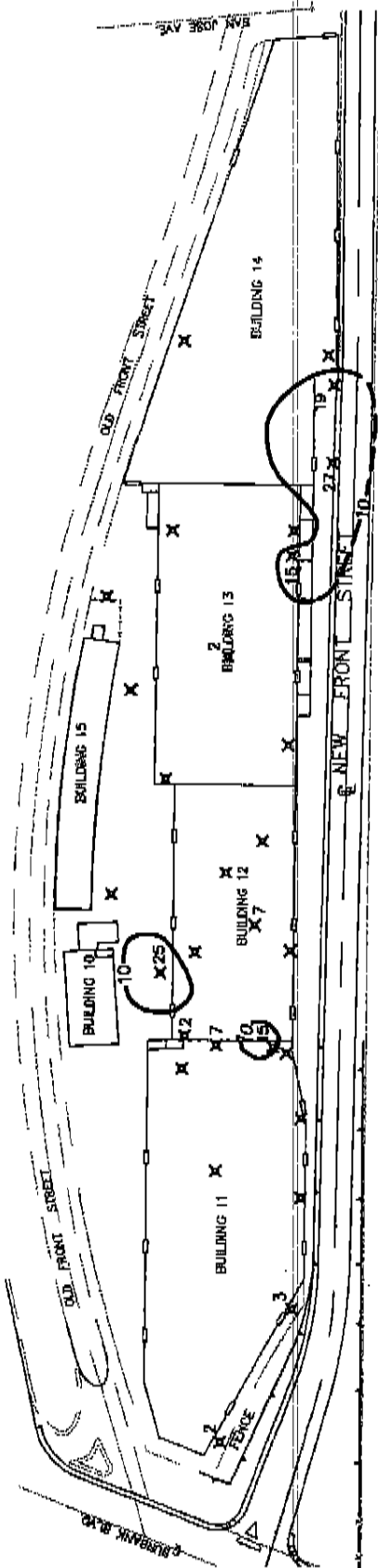
MID-LEVEL 1,1,1-TCA SOIL GAS CONCENTRATIONS PRE- AND POST-REMEDIAL CONDITIONS

NAME: N:/48505/48505-REMEDIAL DATE: APRIL 02, 2001 TIME: 11:00 AM

Approved JM	Date 3/01/01	Revised	Date	Reference: 4850549A	FIG. 19
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PRE-REMEDIAL CONDITIONS



EXPLANATION

- 71 SOIL GAS SAMPLING LOCATION
- x SOIL GAS CONCENTRATION (ug/L)
- 100 — SOIL GAS CONCENTRATION CONTOURS (ug/L)

DEEP LEVEL: 60-85 FEET BELOW GRADE

POST-REMEDIAL LOCATIONS
WITHOUT ASSOCIATED VALUES
WERE NON-DETECT (<1 ug/L)

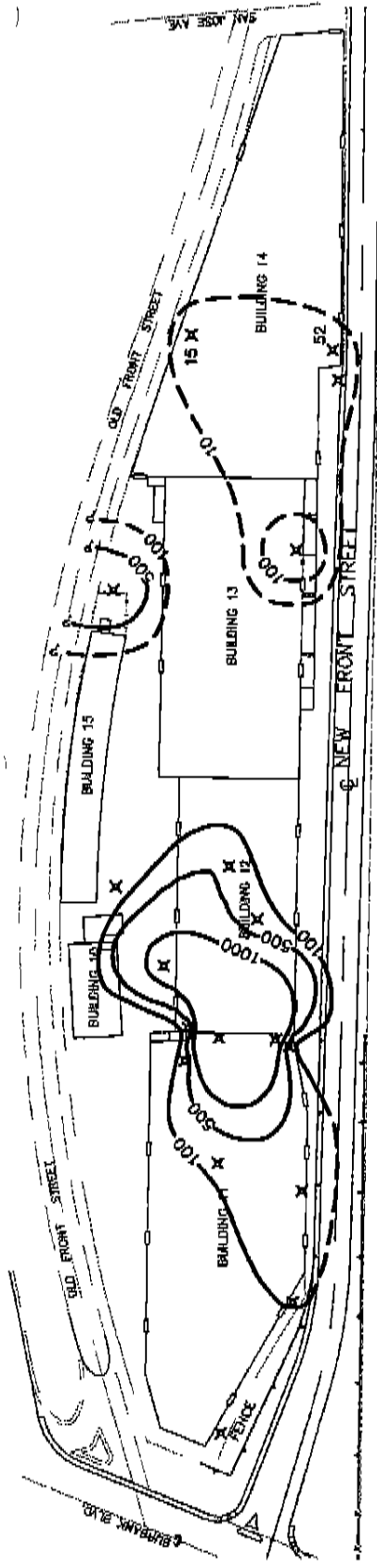
POST-REMEDIAL CONDITIONS

HYDRO
GEO

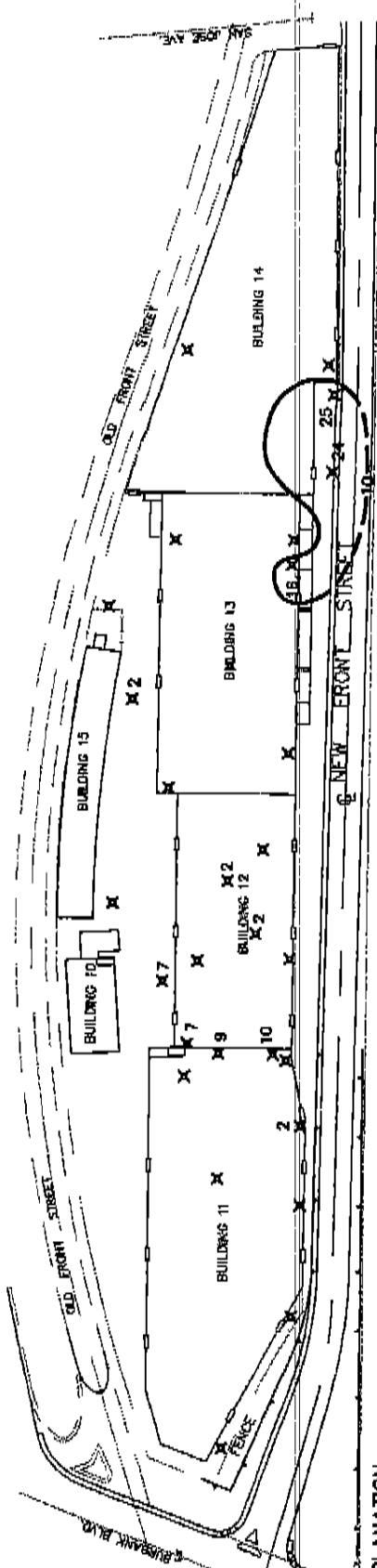
CHEM, INC.

DEEP-LEVEL TCE SOIL GAS CONCENTRATIONS PRE- AND POST-REMEDIAL CONDITIONS

Approved JM	Date 3/01/01	Revised	Date	Reference: 4650554A	FIG. 20
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PRE-REMEDIAL CONDITIONS



EXPLANATION

- 10 SOIL GAS SAMPLING LOCATION, (ug/L)
- X SOIL GAS CONCENTRATION (ug/L)
- 100 — SOIL GAS CONCENTRATION CONTOURS (ug/L)

DEEP-LEVEL: 60-85 FEET BELOW GRADE

POST-REMEDIAL LOCATIONS WITHOUT ASSOCIATED VALUES WERE NON-DETECT (<1 ug/L)

POST-REMEDIAL CONDITIONS

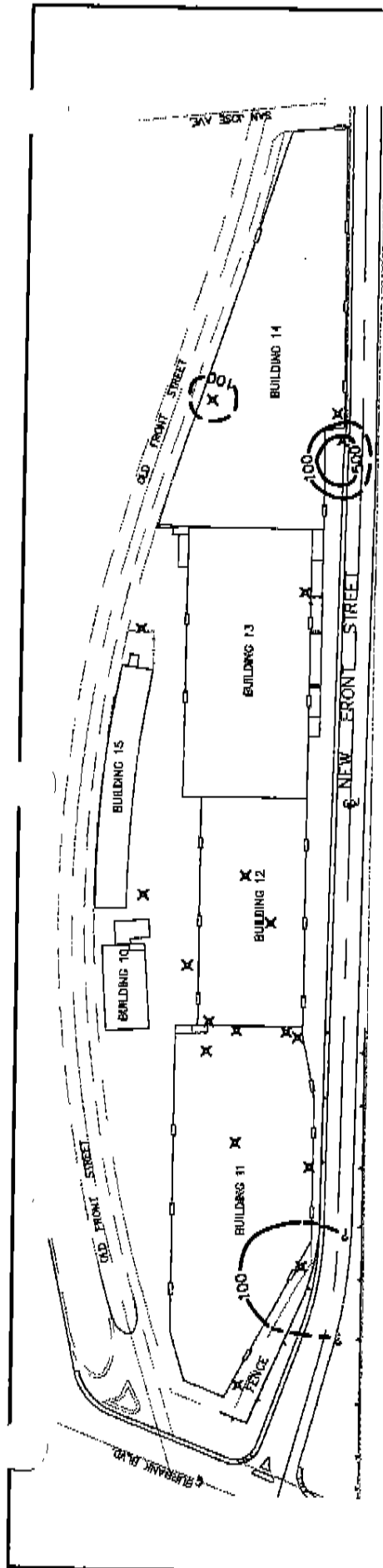


DEEP-LEVEL PCE SOIL GAS CONCENTRATIONS PRE- AND POST-REMEDIAL CONDITIONS

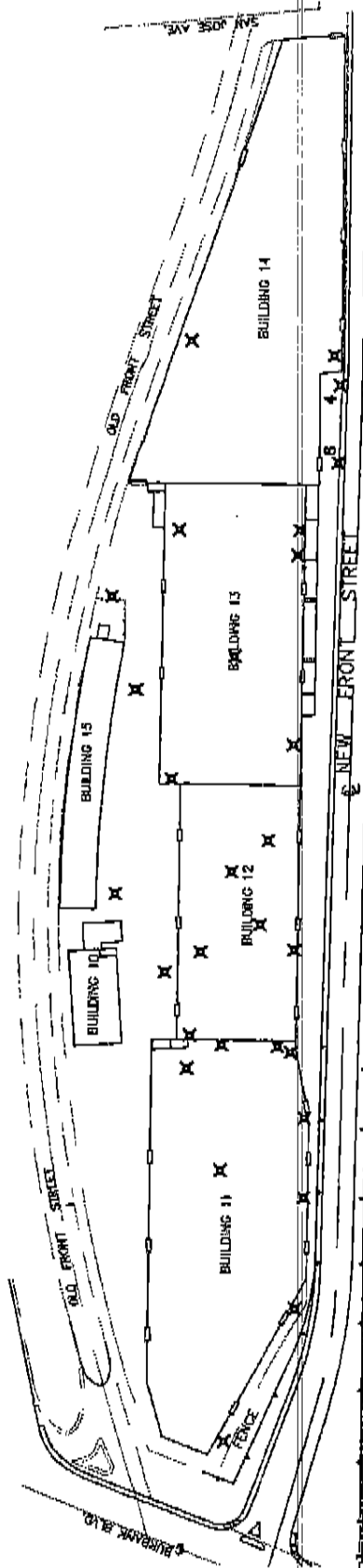
HYDRO
GEO
CHEM, INC.

Approved	Date	Revised	Date	Reference:
JM	3/01/01			4650553A

FIG. 21



PRE-REMEDIAL CONDITIONS



POST-REMEDIAL CONDITIONS

EXPLANATION

- B SOIL GAS SAMPLING LOCATION,
- X SOIL GAS CONCENTRATION (ug/L)
- 100 — SOIL GAS CONCENTRATION CONTOURS (ug/L)

DEEP LEVEL: 60-85 FEET BELOW GRADE

POST-REMEDIAL LOCATIONS
WITHOUT ASSOCIATED VALUES
WERE NON-DETECT (<1 ug/L)

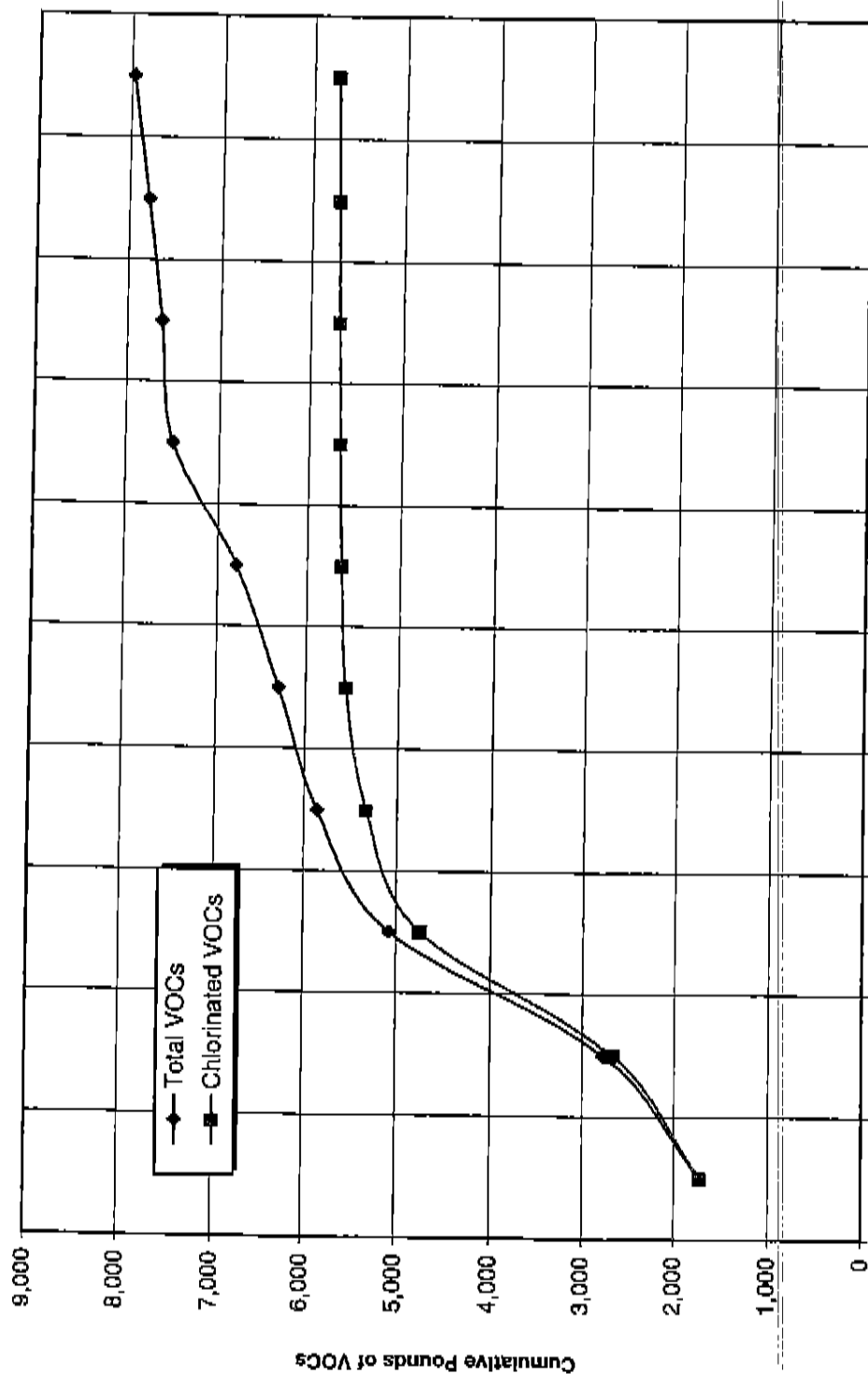


DEEP-LEVEL 1,1,1-TCA SOIL GAS CENTRATIONS PRE- AND POST-REMEDIAL CONDITIONS

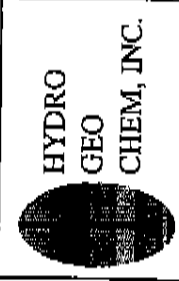
HYDRO
GEO
CHEM, INC.

Approved JM	Date 3/01/01	Revised	Date	Reference: 4850555A
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FIG. 22



Quarter



VOC Mass Removal Rates
Former APW Facility,
777 Front Street, Burbank, CA

APPROVED	DATE	REFERENCE	FIGURE
JWV	3/23/01		23

APPENDIX A
SOIL GAS ANALYTICAL RESULTS

TABLE A.1
Soil Gas Analytical Results - Well and Probe Samples

SVE Well or Probe	Date Sampled	Sampling Depth (Feet)	Carbon										Total Volatile Hydrocarbons
			Freon-113	Freon-11	Chloroform	1,1,1-Tetra	1,1,2-DCE	1,1,2-DCE	1,1,2-DCE	1,1,2-DCE	1,1,2-DCE	1,1,2-DCE	
B-02 @25'	1-Sep-92	25	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	na
B-02 @25'	1-Dec-94	25	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	na
B-02 @25'	25-Apr-98	25	na	na	na	na	na	na	na	na	na	na	na
B-02 @25'	1-Oct-98	25	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	na
B-02 @25'	24-Oct-00	25	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(100)
B-02 @25'	31-Jan-01	25	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	450
B-02 @50'	1-Sep-92	50	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	na
B-02 @50'	1-Dec-94	50	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	na
B-02 @50'	25-Apr-98	50	na	na	na	na	na	na	na	na	na	na	na
B-02 @50'	1-Oct-98	50	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	na
B-02 @50' (D)	25-Oct-00	50	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(100)
B-02 @50' (D)	26-Oct-00	50	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(100)
B-02 @50'	31-Jan-01	50	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(100)
B-02 @75'	1-Sep-92	75	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	na
B-02 @75'	1-Dec-94	75	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	na
B-02 @75'	1-Oct-98	75	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	na
B-02 @75'	26-Oct-00	75	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(100)
B-02 @75'	31-Jan-01	75	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(100)
B-03 @25'	1-Sep-92	25	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	na
B-03 @25'	1-Dec-94	25	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	na
B-03 @25'	29-Apr-98	25	na	na	na	na	na	na	na	na	na	na	na
B-03 @25'	22-Oct-98	25	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	na
B-03 @25'	27-Oct-00	25	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(100)
B-03 @25'	31-Jan-01	25	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(100)
B-03 @50'	1-Sep-92	50	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	na
B-03 @50'	1-Dec-94	50	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	na
B-03 @50'	19-Oct-98	50	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	na
B-03 @50'	27-Oct-00	50	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(100)
B-03 @50'	31-Jan-01	50	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(100)
B-03 @75'	1-Sep-92	75	63	14	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	na
B-03 @75'	1-Dec-94	75	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	na
B-03 @75'	22-Oct-98	75	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	na
B-03 @75'	27-Oct-00	75	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(100)
B-03 @75'	31-Jan-01	75	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(100)
B-04 @15'	1-Sep-92	15	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	na
B-04 @15'	1-Dec-94	15	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	na
B-04 @15'	29-Apr-98	15	na	na	na	na	na	na	na	na	na	na	na
B-04 @15'	27-Oct-00	15	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	na
B-04 @15'	31-Jan-01	15	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(100)
B-04 @50'	1-Sep-92	50	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	na
B-04 @50'	1-Dec-94	50	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	na
B-04 @50' (D)	29-Apr-98	50	na	na	na	na	na	na	na	na	na	na	na
B-04 @50' (D)	21-Oct-98	50	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	na
B-04 @50'	27-Oct-00	50	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(100)
B-04 @50'	31-Jan-01	50	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(100)
B-04 @75'	1-Sep-92	75	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	na
B-04 @75'	1-Dec-94	75	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	na

\\ms02022_0151_always

TABLE A.1
Soil Gas Analytical Results - Well and Probe Samples

SVE Well or Probe	Date Sampled	Sampling Depth (Feet)	Carbon										Total Volatiles									
			Freon-113	Freon-11	Vinyl Chloride	Chloroethane	Freon-113	Methylene Chloride	trans-1,2-DCE	cis-1,2-DCE	Chloroform	1,1,1-Tetrachloroethane	Micrograms per liter	1,1,2-TCA	1,1,2,2-TCA	1,1-DCE	Benzene	Toluene	Ethylbenzene	m,p-Xylene	o-Xylene	Total Xylenes
B-04 @75	21-Oct-98	75	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	5.4	(1)	20	(1)	(1)	77	(1)	(1)	(1)	(1)	(1)	(1)
B-04 @75	27-Oct-00	75	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1.9)	(1)	1.3	(1)	(1)	1.7	(1)	(1)	(1)	(1)	(1)	(1)
B-04 @75	31-Jan-01	75	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	2.3	(1)	(1)	(1)	(1)	(1)	(1)
B-07 @20	1-Sep-92	20	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	na	2,000	(1)	(1)	(1)	7	(1)	(1)	(1)	(1)	(1)	(1)
B-07 @20	1-Dec-94	20	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	340	(1)	(1)	(1)	26	(1)	(1)	(1)	(1)	(1)	(1)
B-07 @20	30-Apr-98	20	na	na	na	na	na	na	na	na	(1)	76	(1)	(1)	(1)	4.4	na	na	na	na	na	na
B-07 @20	21-Oct-98	20	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	5.5	(1)	(1)	(1)	(1)	(1)	(1)
B-07 @20	28-Oct-00	20	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
B-07 @20	1-Feb-01	20	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	2.3	(1)	(1)	(1)	(1)	(1)	(1)
B-07 @50	1-Sep-92	50	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	na	2,100	(1)	(1)	(1)	12	(1)	(1)	(1)	(1)	(1)	(1)
B-07 @50	1-Dec-94	50	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	17	(1)	(1)	(1)	(1)	(1)	(1)
B-07 @50	30-Apr-98	50	na	na	na	na	na	na	na	na	(1)	48	(1)	(1)	(1)	na	na	na	na	na	na	na
B-07 @50	21-Oct-98	50	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	2.0	(1)	(1)	(1)	(1)	(1)	(1)
B-07 @50	28-Oct-00	50	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
B-07 @50	1-Feb-01	50	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
B-07 @75	1-Sep-92	75	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	na	390	(1)	(1)	(1)	15	(1)	(1)	(1)	(1)	(1)	(1)
B-07 @75	1-Dec-94	75	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	230	(1)	(1)	(1)	9	(1)	(1)	(1)	(1)	(1)	(1)
B-07 @75	21-Oct-98	75	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	14	(1)	(1)	(1)	8.8	(1)	(1)	(1)	(1)	(1)	(1)
B-07 @75	28-Oct-00	75	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
B-07 @75	1-Feb-01	75	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
B-09 @20	1-Sep-92	20	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	na	1.0	(1)	(1)	(1)	15	(1)	(1)	(1)	(1)	(1)	(1)
B-09 @20	1-Dec-94	20	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	15	(1)	(1)	(1)	(1)	(1)	(1)
B-09 @20	22-Oct-98	20	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	1.4	(1)	(1)	(1)	(1)	(1)	(1)
B-09 @20	27-Oct-00	20	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
B-09 @20 (D)	31-Jan-01	20	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
B-09 @20 (D)	31-Jan-01	20	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
B-09 @50	1-Sep-92	50	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	na	14	(1)	(1)	(1)	23	(1)	(1)	(1)	(1)	(1)	(1)
B-09 @50	1-Dec-94	50	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	10	(1)	(1)	(1)	180	(1)	(1)	(1)	(1)	(1)	(1)
B-09 @50	22-Oct-98	50	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	42	(1)	(1)	(1)	98	(1)	(1)	(1)	(1)	(1)	(1)
B-09 @50	27-Oct-00	50	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
B-09 @50	31-Jan-01	50	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	4.7	(1)	(1)	(1)	(1)	(1)	(1)
B-09 @50	1-Sep-92	50	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	na	20	(1)	(1)	(1)	170	(1)	(1)	(1)	(1)	(1)	(1)
B-09 @50	1-Dec-94	50	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	11	(1)	(1)	(1)	190	(1)	(1)	(1)	(1)	(1)	(1)
B-09 @50	22-Oct-98	50	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	17	(1)	(1)	(1)	330	(1)	(1)	(1)	(1)	(1)	(1)
B-09 @50	27-Oct-00	50	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	9.9	(1)	(1)	(1)	(1)	(1)	(1)
B-09 @50	31-Jan-01	50	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	16	(1)	(1)	(1)	(1)	(1)	(1)
B-10 @20	1-Sep-92	20	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	410	(1)	(1)	(1)	(1)	(1)	(1)
B-10 @20	1-Dec-94	20	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	17	(1)	(1)	(1)	(1)	(1)	(1)
B-10 @20	22-Oct-98	20	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	12	(1)	(1)	(1)	(1)	(1)	(1)
B-10 @20	27-Oct-00	20	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	24	(1)	(1)	(1)	(1)	(1)	(1)
B-10 @20 (D)	31-Jan-01	20	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	27	(1)	(1)	(1)	(1)	(1)	(1)
B-10 @20 (D)	31-Jan-01	20	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	2.0	(1)	(1)	(1)	(1)	(1)	(1)
B-10 @40	1-Sep-92	40	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	33	(1)	(1)	(1)	1,000	(1)	(1)	(1)	(1)	(1)	(1)
B-10 @40 (D)	1-Dec-94	40	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	15	(1)	(1)	(1)	410	(1)	(1)	(1)	(1)	(1)	(1)
B-10 @40 (D)	22-Oct-98	40	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	13	(1)	(1)	(1)	350	(1)	(1)	(1)	(1)	(1)	(1)
B-10 @40 (D)	27-Oct-00	40	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	2.1	(1)	(1)	(1)	(1)	(1)	(1)
B-10 @40 (D)	31-Jan-01	40	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	17	(1)	(1)	(1)	(1)	(1)	(1)
B-10 @40 (D)	31-Jan-01	40	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	17	(1)	(1)	(1)	(1)	(1)	(1)
B-10 @60	1-Dec-94	60	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	2.0	(1)	(1)	(1)	860	(1)	(1)	(1)	(1)	(1)	(1)

TABLE A.1
Soil Gas Analytical Results - Well and Probe Samples

SVE Well or Probe	Date Sampled	Sampling Depth (Feet)	Freon-12 Chloride	Vinyl Chloride	Freon-113	Freon-114	trans-1,2-DCE	cis-1,2-DCE	Chloroform	Carbon Tetrachloride			1,1,1,2-Tetrahaloethanes			1,1,1,2,2-Pentahalogenoethanes			Total Volatiles Hydrocarbons	
										TCA	DCA	TCE	TCA	DCA	TCE	TCA	DCA	TCE		
																				Micrograms per Liter
MW-01 @50'	1-Dec-84	50	(1)	(1)	20	(1)	(1)	(1)	11	(1)	(1)	96	(1)	500	(1)	100	(1)	(1)	(1)	(1)
MW-01 @50'	21-Oct-86	50	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	6.6	(1)	32	(1)	2.2	(1)	(1)	(1)	(1)
MW-01 @50'	26-Oct-86	50	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(100)
MW-01 @50'	1-Feb-01	50	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	2.7	(1)	(1)	(1)	(1)	(1)	(1)
MW-01 @75'	1-Sep-82	75	150	(1)	na	(1)	(1)	(1)	na	32	(1)	210	(1)	940	(1)	120	(1)	(1)	(1)	(1)
MW-01 @75'	1-Dec-84	75	(1)	(1)	18	(1)	(1)	(1)	16	(1)	(1)	240	(1)	750	(1)	130	(1)	(1)	(1)	(1)
MW-01 @75'	21-Oct-86	75	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	16	(1)	70	(1)	(1)	(1)	(1)	(1)	(1)
MW-01 @75'	26-Oct-86	75	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(100)
MW-01 @75'	1-Feb-01	75	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(100)
MW-03 @25'	1-Sep-82	25	(1)	(1)	na	(1)	(1)	(1)	na	18,700	(1)	(1)	(1)	300	(1)	5,700	(1)	(1)	(1)	(1)
MW-03 @25'	1-Dec-84	25	(1)	(1)	(1)	(1)	(1)	(1)	na	2,800	(1)	2	(1)	98	(1)	1,400	(1)	(1)	(1)	(1)
MW-03 @25'	30-Apr-88	25	na	(1)	na	(1)	(1)	(1)	(1)	na	(1)	(1)	na	1.7	na	(1)	na	na	na	na
MW-03 @25'	26-Oct-86	25	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
MW-03 @25'	1-Feb-01	25	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
MW-03 @50'	1-Sep-82	50	(1)	(1)	na	(1)	(1)	(1)	na	12,300	(1)	430	(1)	770	(1)	4,000	(1)	(1)	(1)	(1)
MW-03 @50'	1-Dec-84	50	(1)	(1)	(1)	(1)	(1)	(1)	(1)	4,400	(1)	6	(1)	110	(1)	1,500	(1)	(1)	(1)	(1)
MW-03 @50'	30-Apr-88	50	na	(1)	na	(1)	(1)	(1)	(1)	820	(1)	11	na	63	na	720	na	na	na	na
MW-03 @50'	21-Oct-86	50	(1)	(1)	(1)	(1)	(1)	(1)	(1)	350	(1)	5.0	(1)	34	(1)	310	(1)	(1)	(1)	(1)
MW-03 @50'	26-Oct-86	50	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
MW-03 @50'	1-Feb-01	50	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(100)
MW-03 @75'	1-Sep-82	75	(1)	(1)	na	(1)	(1)	(1)	na	3.9	(1)	19	(1)	5.3	(1)	10	(1)	(1)	(1)	(1)
MW-03 @75'	1-Dec-84	75	(1)	(1)	na	(1)	(1)	(1)	na	580	(1)	16	(1)	52	(1)	420	(1)	(1)	(1)	(1)
MW-03 @75'	21-Oct-86	75	(1)	(1)	(1)	(1)	(1)	(1)	(1)	750	(1)	10	(1)	34	(1)	650	(1)	(1)	(1)	(1)
MW-03 @75'	21-Oct-88	75	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	3.7	(1)	(1)	(1)	(1)	(1)	(1)
MW-03 @75'	26-Oct-86	75	(1)	(1)	(1)	(1)	(1)	(1)	(1)	300	(1)	22	(1)	40	(1)	450	(1)	(1)	(1)	(1)
MW-03 @75'	1-Feb-01	75	(1)	(1)	(1)	(1)	(1)	(1)	(1)	1.4	(1)	5.3	(1)	5.8	(1)	4.7	(1)	(1)	(1)	(100)
MW-05 @15'	1-Sep-82	15	(1)	(1)	na	(1)	(1)	(1)	na	1,300	(1)	(1)	(1)	330	(1)	400	(1)	(1)	(1)	(1)
MW-05 @15'	1-Dec-84	15	(1)	(1)	na	(1)	(1)	(1)	(1)	160	(1)	1.0	(1)	74	(1)	180	(1)	(1)	(1)	(1)
MW-05 @15'	30-Apr-88	15	na	(1)	na	(1)	(1)	(1)	(1)	51	(1)	(1)	na	74	na	80	na	na	na	na
MW-05 @15'	21-Oct-86	15	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	17	(1)	21	(1)	(1)	(1)	(1)
MW-05 @15'	26-Oct-86	15	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	4.0	(1)	(1)	(1)	(1)	(1)	(1)
MW-05 @15'	1-Feb-01	15	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	3.3	(1)	(1)	(1)	(1)	(1)	(100)
MW-05 @50'	1-Sep-82	50	250	(1)	na	(1)	(1)	(1)	na	1,500	(1)	12	(1)	340	(1)	600	(1)	(1)	(1)	(1)
MW-05 @50'	1-Dec-84	50	(1)	(1)	(1)	(1)	(1)	(1)	(1)	320	(1)	3.0	(1)	120	(1)	270	(1)	(1)	(1)	(1)
MW-05 @50'	30-Apr-88	50	na	(1)	na	(1)	(1)	(1)	(1)	250	(1)	1.5	na	220	na	350	na	na	na	na
MW-05 @50'	21-Oct-86	50	(1)	(1)	(1)	(1)	(1)	(1)	(1)	18	(1)	1.2	(1)	38	(1)	21	(1)	(1)	(1)	(1)
MW-05 @50'	26-Oct-86	50	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	1.5	(1)	(1)	(1)	(1)	(1)	(1)
MW-05 @50'	1-Feb-01	50	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	2.1	(1)	(1)	(1)	(1)	(1)	(100)
MW-05 @75'	1-Sep-82	75	340	(1)	na	(1)	(1)	(1)	na	200	(1)	(1)	(1)	110	(1)	97	(1)	(1)	(1)	(1)
MW-05 @75'	1-Dec-84	75	(1)	(1)	15	(1)	(1)	(1)	(1)	160	(1)	7.0	(1)	100	(1)	190	(1)	(1)	(1)	(1)
MW-05 @75'	21-Oct-86	75	(1)	(1)	(1)	(1)	(1)	(1)	(1)	53	(1)	30	(1)	500	(1)	64	(1)	(1)	(1)	(1)
MW-05 @75'	26-Oct-86	75	9.0	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	4.1	(1)	2.8	(1)	1.5	(1)	(1)	(1)	(1)
MW-05 @75'	1-Feb-01	75	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	3.2	(1)	1.4	(1)	(1)	(1)	(1)	(1)	(100)
SVE-01 @85'	1-Dec-84	85	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	4,200	(1)	4	(1)	(1)	(1)	(1)
SVE-01 @85'	20-Oct-86	85	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	540	(1)	(1)	(1)	(1)	(1)	(1)
SVE-01 @85'	27-Oct-86	85	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	4.0	(1)	(1)	(1)	(1)	(1)	(1)
SVE-01 @85' (D)	1-Feb-01	85	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	3.3	(1)	(1)	(1)	(1)	(1)	(100)
SVE-01 @85' (D)	1-Feb-01	85	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	9.0	(1)	(1)	(1)	(1)	(1)	(1)

TABLE A.1
Soil Gas Analytical Results - Well and Probe Samples

SVE Well or Probe	Data Sampled	Sampling Depth (Feet)	Carbon										Total Volatile Hydrocarbons									
			Freon- 12	Vinyl Chloride	Chloroform	Freon- 113	Methylene Chloride	trans- 1,2-DCE	1,1-DCE	Chloroform	1,1,1- TCA	1,2-DCA Micrograms per liter	1,1,2- TCA	POE	1,1,1,2- TCA	1,1,2,2- TCA	Toluene	benzene	Ethyl benzene	m,p- Xylene	o- Xylene	Total Hydrocarbons
SVE-01 @16-75'	1-Dec-94	16-75	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	69	(U)	3,800	(U)	2	(U)	(U)	(U)	(U)	(U)	na
SVE-01 @16-75'	22-Oct-98	16-75	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	23	(U)	1,400	(U)	3.5	(U)	(U)	(U)	(U)	(U)	na
SVE-01 @16-75'	25-Oct-90	16-75	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	1.7	(U)	21	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(100)
SVE-01 @16-75'	2-Feb-01	16-75	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	3.1	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(100)
SVE-02 @15-25'	1-Dec-94	15-25	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	5.0	(U)	83	(U)	15	(U)	(U)	(U)	(U)	(U)	na
SVE-02 @15'	1-Dec-94	15	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	20	(U)	270	(U)	13	(U)	(U)	(U)	(U)	(U)	na
SVE-02 @15'	1-Dec-94	15	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	13	(U)	170	(U)	22	(U)	(U)	(U)	(U)	(U)	na
SVE-03 @85'	20-Oct-98	85	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	28	(U)	13	(U)	(U)	(U)	(U)	(U)	na
SVE-03 @85'	28-Oct-90	85	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	2.0	(U)	(U)	(U)	1.1	(U)	(U)	(U)	(U)	(U)	(100)
SVE-03 @85'	1-Feb-01	85	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	1.1	(U)	(U)	(U)	(U)	(U)	(100)
SVE-03 20-75'	22-Oct-98	20-75	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	36	(U)	11	(U)	(U)	(U)	(U)	(U)	na
SVE-03 20-75' (D)	24-Oct-00	20-75	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(100)
SVE-03 20-75' (D)	24-Oct-00	20-75	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(100)
SVE-03 20-75'	2-Feb-01	20-75	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	1.4	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(100)
SVE-04 45-85'	22-Oct-98	45-85	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	2.4	(U)	24	(U)	108	(U)	(U)	(U)	(U)	(U)	na
SVE-04 45-85'	24-Oct-00	45-85	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	6.1	(U)	8.6	(U)	2.5	(U)	(U)	(U)	(U)	(U)	(100)
SVE-04 45-85'	2-Feb-01	45-85	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(100)
SVE-05 @85'	20-Oct-98	85	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	20	(U)	84	(U)	55	(U)	(U)	(U)	(U)	(U)	na
SVE-05 @85' (D)	27-Oct-00	85	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(100)
SVE-05 @85' (D)	27-Oct-00	85	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(100)
SVE-05 @85'	1-Feb-01	85	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	1.8	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(100)
SVE-05 20-55'	22-Oct-98	20-55	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	15	(U)	69	(U)	25	(U)	(U)	(U)	(U)	(U)	na
SVE-05 20-55'	24-Oct-00	20-55	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	6.4	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(100)
SVE-05 20-55'	2-Feb-01	20-55	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	1.4	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(100)
SVE-06 Shallow (D)	13-Nov-98	24-54	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	1.5	(U)	35	(U)	21	(U)	(U)	(U)	(U)	(U)	na
SVE-06 Shallow (D)	13-Nov-98	24-54	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	28	(U)	15	(U)	(U)	(U)	(U)	(U)	na
SVE-06 Shallow	25-Oct-00	24-54	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	1.3	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(100)
SVE-06 Shallow	2-Feb-01	24-54	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(100)
SVE-06 Deep	13-Nov-98	56-79	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	16	(U)	320	(U)	15	(U)	(U)	(U)	(U)	(U)	na
SVE-06 Deep	25-Oct-00	56-79	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	1.2	(U)	(U)	(U)	(U)	(U)	(100)
SVE-06 Deep	2-Feb-01	56-79	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(100)
SVE-07 @85'	20-Oct-98	85	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	120	(U)	200	(U)	(U)	(U)	(U)	(U)	(U)	(U)	na
SVE-07 @85'	27-Oct-00	85	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	15	(U)	2.2	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(100)
SVE-07 @85'	1-Feb-01	85	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	13.0	(U)	3.4	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(100)
SVE-07 20-75'	22-Oct-98	20-75	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	13	(U)	60	(U)	1.7	(U)	(U)	(U)	(U)	(U)	na
SVE-07 20-75'	24-Oct-00	20-75	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	4.2	(U)	4.6	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(100)
SVE-07 20-75'	2-Feb-01	20-75	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(100)
SVE-08 45-85' (D)	22-Oct-98	45-85	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	1.2	(U)	68	(U)	10	(U)	(U)	(U)	(U)	(U)	na
SVE-08 45-85' (D)	22-Oct-98	45-85	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	51	(U)	(U)	(U)	(U)	(U)	(U)	(U)	na
SVE-08 45-85'	23-Oct-98	45-85	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	35	(U)	(U)	(U)	(U)	(U)	(U)	(U)	na
SVE-08 45-85'	21-Jan-99	45-85	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	14	(U)	(U)	(U)	(U)	(U)	(U)	(U)	na
SVE-08 45-85' (D)	9-Jul-99	45-85	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	4.6	(U)	(U)	(U)	(U)	(U)	(U)	(U)	1568
SVE-08 45-85' (D)	9-Jul-99	45-85	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	1.0	(U)	(U)	(U)	(U)	(U)	(U)	(U)	na
SVE-08 45-85' (D)	8-Dec-99	45-85	na	na	na	na	na	na	na	na	na	1.7	na	4.2	na	(0.5)	(U)	(U)	(U)	(U)	(U)	1600
SVE-08 45-85'	25-Oct-00	45-85	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	1.7	(U)	(U)	(U)	(U)	(U)	(U)	(U)	1900
SVE-08 45-85' (D)	2-Feb-01	45-85	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	(U)	na

TABLE A.1
Soil Gas Analytical Results - Well and Probe Samples

SVE Well or Probe	Date Sampled	Sampling Depth (Feet)	Carbon										Total Volatiles									
			From-12	Vinyl Chloride	Chloroethane	Freon-113	Methylene Chloride	trans-1,2-DCE	cis-1,2-DCE	Chloroform	1,1,1-Tetrachloroethane	Micrograms per liter	1,1,2-TCA	PCE	1,1,2,2-TCA	1,1-DCE	Benzene	Toluene	Ethyl Benzene	m,p-Xylene	o-Xylene	Total Hydrocarbons
SVE-08, 45-85 (D)	2-Feb-01	45-85	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	1400
SVE-09, 45-85	23-Oct-98	45-85	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	4.5	(1)	(1)	(1)	(1)	(1)	(1)	(1)	na
SVE-09, 45-85	27-Oct-98	45-85	(1)	(1)	(1)	9.9	(1)	(1)	(1)	2.4	(1)	63	(1)	1400	(1)	5.9	3.3	(1)	(1)	(1)	(1)	na
SVE-09, 45-85	25-Oct-00	45-85	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	12	(1)	8.8	(1)	1.4	(1.0)	(1)	(1)	(1)	(1)	(100)
SVE-09, 45-85	2-Feb-01	45-85	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(100)
SVE-10, 45-85	27-Oct-98	45-85	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	13	(1)	200	(1)	(1)	(1)	(1)	(1)	(1)	(1)	na
SVE-10, 45-85	25-Oct-00	45-85	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	2.8	(1)	(1)	1.3	(1)	(1)	(1)	(1)	161
SVE-10, 45-85	2-Feb-01	45-85	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(100)
SVE-11, 45-85	21-Jan-98	45-85	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	52	(1)	130	(1)	5.2	(1)	(1)	(1)	(1)	(1)	na
SVE-11, 45-85 (D)	25-Oct-00	45-85	7.4	(1)	(1)	(1)	(1)	(1)	(1)	1.5	(1)	22	(1)	25	(1)	4.6	(1)	(1)	(1)	(1)	(1)	(100)
SVE-11, 45-85 (D)	25-Oct-00	45-85	7.0	(1)	(1)	(1)	(1)	(1)	(1)	1.4	(1)	20	(1)	21	(1)	4.4	(1)	(1)	(1)	(1)	(1)	(100)
SVE-11, 45-85	2-Feb-01	45-85	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	1.9	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(100)
SVE-12, 45-85	21-Jan-98	45-85	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	8.5	(1)	(1)	(1)	(1)	(1)	(1)	(1)	na
SVE-12, 45-85	25-Oct-00	45-85	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	1.3	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(100)
SVE-12, 45-85	2-Feb-01	45-85	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(100)
SVE-13, 45-85	21-Jan-98	45-85	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	3.4	(1)	(1)	(1)	(1)	(1)	(1)	(1)	na
SVE-13, 45-85	25-Oct-00	45-85	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	4.6	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(100)
SVE-13, 45-85	2-Feb-01	45-85	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	1.9	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(100)
SVE-14, 45-85	9-Jul-99	45-85	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	14	(1)	7.8	(1)	5.3	(1)	(1)	(1)	(1)	(1)	na
SVE-14, 45-85	25-Oct-00	45-85	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	23	(1)	4.9	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(100)
SVE-14, 45-85	2-Feb-01	45-85	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(100)
SVE-15, 45-85	9-Jul-99	45-85	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	2.5	(1)	5.1	(1)	(1)	(1)	6.8	1.0	6.8	2.7	8.5 185
SVE-15, 45-85	8-Dec-99	45-85	na	na	na	na	na	na	na	na	na	na	na	12.0	na	na	(0.5)	(0.5)	33	210	100	310
SVE-15, 45-85	25-Oct-00	45-85	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	2.0	(1)	1.8	(1)	(1)	(1)	(1)	(1)	8.6	8.8	122
SVE-15, 45-85	2-Feb-01	45-85	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(100)
SVE-16, 45-85	9-Jul-99	45-85	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	20.0	(1)	5.6	(1)	1.8	(1)	(1)	(1)	(1)	(1)	na
SVE-16, 45-85	24-Oct-00	45-85	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	16.0	(1)	3.6	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(100)
SVE-16, 45-85	25-Oct-00	45-85	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	15.0	(1)	3.6	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(100)
SVE-16, 45-85 (D)	2-Feb-01	45-85	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(100)
SVE-16, 45-85 (D)	2-Feb-01	45-85	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(100)
SVE-17, 45-85	9-Jul-99	45-85	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	3.1	(1)	2.1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	na
SVE-17, 45-85	24-Oct-00	45-85	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	2.0	(1)	3.0	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(100)
SVE-17, 45-85	2-Feb-01	45-85	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(100)
SVE-18, 45-85	9-Jul-99	45-85	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	4.5	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	na
SVE-18, 45-85	24-Oct-00	45-85	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	3.7	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(100)
SVE-18, 45-85	2-Feb-01	45-85	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	2.2	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(100)
SVE-19, 45-85	9-Jul-99	45-85	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	na
SVE-19, 45-85	24-Oct-00	45-85	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	4.6	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(100)
SVE-19, 45-85	2-Feb-01	45-85	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(100)
SVE-20, 45-85	9-Jul-99	45-85	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	na
SVE-20, 45-85	24-Oct-00	45-85	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	2.6	(1)	3.5	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(100)
SVE-20, 45-85	2-Feb-01	45-85	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(100)
VNL-1	28-Apr-98	15	na	(1)	na	na	(1)	(1)	(1)	(1)	(1)	56	na	2,300	na	na	na	na	na	na	na	na
VNL-1	20-Oct-98	15	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	13	(1)	(1)	(1)	(1)	(1)	(1)	(1)	na

TABLE A.1
Soil Gas Analytical Results - Well and Probe Samples

SV#	Well or Probe	Date Sampled	Sampling Depth (Feet)	Freon-12	Vinyl Chloride	Chloroform	Freon-113	Methylene Chloride	trans-1,2-DCE	cis-1,2-DCE	Chloroform	1,1,1-Tetrachloroethane	Carbon tetrachloride	1,1,1,2,2-TCA		PCE	1,1,1,2,2-TCA		Ethylbenzene	m,p-Xylene	o-Xylene	Total Xylenes	Total Volatiles
														1,1-DCE	1,2-DCE		TCE	TOC					
VM-1	7-Jul-99	15	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
VM-2	28-Apr-98	15	na	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	5000	na	na	na	na	na	na	na
VM-2	28-Oct-98	15	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	25	(1)	(1)	(1)	(1)	(1)	(1)	(1)
VM-2	7-Jul-99	15	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	5.6	(1)	(1)	(1)	(1)	(1)	(1)	(1)
VM-3	28-Apr-98	15	na	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	8500	na	na	na	na	na	na	na
VM-3	19-Oct-98	15	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	1300	(1)	(1)	(1)	(1)	(1)	(1)	(1)
VM-3 (D)	7-Jul-99	15	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	2.8	(1)	(1)	(1)	(1)	(1)	(1)	(1)
VM-3 (D)	28-Apr-98	15	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	5.4	(1)	(1)	(1)	(1)	(1)	(1)	(1)
VM-4	7-Jul-99	15	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	5.3	(1)	(1)	(1)	(1)	(1)	(1)	(1)
VM-4	19-Oct-98	15	na	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	1900	na	na	na	na	na	na	na
VM-4	7-Jul-99	15	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	3.3	(1)	(1)	(1)	(1)	(1)	(1)	(1)
VM-5	28-Apr-98	15	na	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	1.8	(1)	(1)	(1)	(1)	(1)	(1)	(1)
VM-5 (D)	19-Oct-98	15	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	1200	na	na	na	na	na	na	na
VM-5 (D)	7-Jul-99	15	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	3.7	(1)	(1)	(1)	(1)	(1)	(1)	(1)
VM-5	28-Apr-98	15	na	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	7.5	(1)	(1)	(1)	(1)	(1)	(1)	(1)
VM-5	19-Oct-98	15	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	1900	na	na	na	na	na	na	na
VM-6	28-Apr-98	15	na	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	4.8	(1)	(1)	(1)	(1)	(1)	(1)	(1)
VM-6	19-Oct-98	15	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	75	(1)	(1)	(1)	(1)	(1)	(1)	(1)
VM-6	7-Jul-99	15	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	23	na	na	na	na	na	na	na
VM-7	28-Apr-98	15	na	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	720	(1)	(1)	(1)	(1)	(1)	(1)	(1)
VM-7	19-Oct-98	15	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	13	(1)	(1)	(1)	(1)	(1)	(1)	(1)
VM-7	7-Jul-99	15	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	7.5	(1)	(1)	(1)	(1)	(1)	(1)	(1)
VM-8	28-Apr-98	15	na	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	32	na	na	na	na	na	na	na
VM-8	19-Oct-98	15	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	170	na	na	na	na	na	na	na
VM-9	28-Apr-98	15	na	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	110	na	na	na	na	na	na	na
VM-9	19-Oct-98	15	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	42	(1)	(1)	(1)	(1)	(1)	(1)	(1)
VM-9	7-Jul-99	15	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	na	na	na	na	na	na	na	na
VM-10	28-Apr-98	15	na	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	na	na	na	na	na	na	na	na
VM-10	19-Oct-98	15	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	1.9	(1)	(1)	(1)	(1)	(1)	(1)	(1)
VM-10	7-Jul-99	15	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	7.0	(1)	(1)	(1)	(1)	(1)	(1)	(1)
VM-11 (D)	28-Apr-98	15	na	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	19	na	na	na	na	na	na	na
VM-11 (D)	19-Oct-98	15	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	na	na	na	na	na	na	na	na
VM-11	28-Apr-98	15	na	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	700	(1)	(1)	(1)	(1)	(1)	(1)	(1)
VM-12	28-Apr-98	15	na	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	2.0	(1)	(1)	(1)	(1)	(1)	(1)	(1)
VM-12	19-Oct-98	15	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
VM-12	7-Jul-99	15	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
VM-12	28-Apr-98	15	na	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	1300	na	na	na	na	na	na	na
VM-13	28-Apr-98	15	na	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	6.0	(1)	(1)	(1)	(1)	(1)	(1)	(1)
VM-13	19-Oct-98	15	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
VM-13	7-Jul-99	15	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
VM-14	28-Apr-98	15	na	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	8.7	(1)	(1)	(1)	(1)	(1)	(1)	(1)
VM-14	19-Oct-98	15	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	2300	(1)	(1)	(1)	(1)	(1)	(1)	(1)
VM-14	7-Jul-99	15	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	4.2	(1)	(1)	(1)	(1)	(1)	(1)	(1)
VM-15	28-Apr-98	15	na	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	na	na	na	na	na	na	na	na
VM-15 (D)	19-Oct-98	15	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	1.4	(1)	(1)	(1)	(1)	(1)	(1)	(1)
VM-15 (D)	7-Jul-99	15	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
VM-15 (D)	28-Apr-98	15	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
VM-15	28-Apr-98	15	na	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	na	na	na	na	na	na	na	na
VM-16	28-Apr-98	15	na	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	na	na	na	na	na	na	na	na
VM-16	19-Oct-98	15	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	2.9	(1)	(1)	(1)	(1)	(1)	(1)	(1)
VM-16	7-Jul-99	15	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
VM-17	28-Apr-98	15	na	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	na	na	na	na	na	na	na	na
VM-17	19-Oct-98	15	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	30	(1)	(1)	(1)	(1)	(1)	(1)	(1)
VM-17	7-Jul-99	15	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	4.6	(1)	(1)	(1)	(1)	(1)	(1)	(1)
VM-18	28-Apr-98	15	na	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	2.1	(1)	(1)	(1)	(1)	(1)	(1)	(1)
VM-18	19-Oct-98	15	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	na	na	na	na	na	na	na	na
VM-18	7-Jul-99	15	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	4.1	(1)	(1)	(1)	(1)	(1)	(1)	(1)
VM-19	28-Apr-98	15	na	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	na	na	na	na	na	na	na	na
VM-19	19-Oct-98	15	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	1.4	(1)	(1)	(1)	(1)	(1)	(1)	(1)
VM-19	7-Jul-99	15	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	na	(1)	(1)	(1)	(1)	(1)	(1)	(1)
VM-20	28-Apr-98	15	na	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	8.7	na	na	na	na	na	na	na
VM-20	19-Oct-98	15	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	1.5	(1)	(1)	(1)	(1)	(1)	(1)	(1)
VM-20	7-Jul-99	15	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	na	(1)	(1)	(1)	(1)	(1)	(1)	(1)
VM-21 (D)	28-Apr-98	15	na	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	1.4	(1)	(1)	(1)	(1)	(1)	(1)	(1)
VM-21 (D)	19-Oct-98	15	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	na	na	na	na	na	na	na	na

TABLE A.1
Soil Gas Analytical Results - Well and Probe Samples

SVE Well or Probe	Data Sampled	Sampling Depth (Feet)	Freon-12	Vinyl Chloride	Freon-113	Methylene Chloride	Trans-1,2-DCE	cis-1,2-DCE	Chloroform	Carbon Tetrachloride			1,1,2-TCA	PCE	1,1,1,2-TCA			Toluene	Ethylbenzene	m,p-Xylene	o-Xylene	Total Hydrocarbons
										1,1,1-TCA	1,2-DCE	Micrograms per liter			1,1,2-TCA	1,1,2-TCA	1,1,2-TCA					
VM-21 (D)	29-Apr-98	15	na	(1)	na	(1)	(1)	(1)	(1)	45	(1)	(1)	na	2.6	na	na	37	na	na	na	na	na
VM-21	20-Oct-98	15	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	14	(1)	(1)	(1)	(1)	(1)	(1)	(1)	na
VM-21	7-Jul-99	15	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	na
Save-1	8-Jul-99	5-20	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	na
Save-2	23-Oct-98	5-20	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	1.6	(1)	(1)	(1)	(1)	(1)	(1)	(1)	na
Save-3	8-Jul-99	5-20	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	na
Save-4	23-Oct-98	5-20	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	na
Save-5	23-Oct-98	5-20	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	na
Save-6	8-Jul-99	5-20	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	na
Save-7	23-Oct-98	5-20	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	na
Save-8	8-Jul-99	5-20	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	na
Save-10	23-Oct-98	5-20	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	na
Save-11	23-Oct-98	5-20	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	1.2	(1)	(1)	(1)	(1)	(1)	(1)	(1)	na
Save-12	23-Oct-98	5-20	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	na
Save-14	8-Jul-99	5-20	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	2.4	(1)	(1)	(1)	(1)	(1)	(1)	(1)	na
Save-15	8-Jul-99	5-20	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	na
Save-16	4-Nov-98	5-20	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	368	(1)	(1)	(1)	(1)	(1)	(1)	(1)	na
Save-18	21-Jan-99	5-20	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	1.3	(1)	(1)	(1)	(1)	(1)	(1)	(1)	na
Save-18	8-Jul-99	5-20	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	na
Save-20	23-Oct-98	5-20	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	20	(1)	(1)	(1)	(1)	(1)	(1)	(1)	na
Save-21	4-Nov-98	5-20	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	210	(1)	(1)	(1)	(1)	(1)	(1)	(1)	na
Save-26	8-Jul-99	5-20	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	na
Save-28	8-Jul-99	5-20	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	na
Save-33 (D)	23-Oct-98	5-20	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	8.9	(1)	(1)	(1)	(1)	(1)	(1)	(1)	na
Save-33 (D)	23-Oct-98	5-20	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	6.2	(1)	(1)	(1)	(1)	(1)	(1)	(1)	na
Save-35	8-Jul-99	5-20	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	5.0	(1)	(1)	(1)	(1)	(1)	(1)	(1)	na
Save-37	23-Oct-98	5-20	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	na
Save-38	23-Oct-98	5-20	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	na
Save-39	8-Jul-99	5-20	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	na
Save-39	23-Oct-98	5-20	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	2.2	(1)	(1)	(1)	(1)	(1)	(1)	(1)	na
Save-43	8-Jul-99	5-20	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	na
Save-43	23-Oct-98	5-20	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	na
Save-50	23-Oct-98	5-20	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	92	(1)	(1)	(1)	(1)	(1)	(1)	(1)	na
Save-50	8-Jul-99	5-20	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	na
Save-51	23-Oct-98	5-20	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	78	(1)	(1)	(1)	(1)	(1)	(1)	(1)	na
Save-51	8-Jul-99	5-20	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	na
Save-52	23-Oct-98	5-20	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	3.4	(1)	(1)	(1)	(1)	(1)	(1)	(1)	na
Save-53	23-Oct-98	5-20	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	160	(1)	(1)	(1)	(1)	(1)	(1)	(1)	na
Save-54	8-Jul-99	5-20	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	na
Save-54	23-Oct-98	5-20	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	na
Save-56	23-Oct-98	5-20	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	na
Save-56	8-Jul-99	5-20	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	na
Save-58	23-Oct-98	5-20	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	na
Save-58	4-Nov-98	5-20	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	na
Save-58	8-Jul-99	5-20	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	na
Save-58	23-Oct-98	5-20	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	na
Save-59	23-Oct-98	5-20	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	na
Save-59	4-Nov-98	5-20	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	na
Save-60	8-Jul-99	5-20	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	na
Save-61	8-Jul-99	5-20	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	na
Save-62	8-Jul-99	5-20	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	na

na = Not analyzed
(1) = Not detected at indicated practical quantitation limit

TABLE A.2
Soil Gas Analytical Results - Soil Gas Drive Points

Soil Gas Drive Point	Date Sampled	Sampling Depth (ft)	Propane-12 Chloroethane	Vinyl Chloride	Chloro ethane	Propane-11	Propane-13	DCM	trans-1,2- DCE	1,1-DCE	cis-1,2- DCE	Chloro form	Carbon Tet Micrograms per Liter	1,2-DCA	TCE	1,1,2-TCA	1,1,2,2-TCA	PCE	Benzene	Toluene	o-Xylene	m,p-Xylene	Ethyl Benzene
SG-401	Jan-92	5	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	950	nd	nd	nd	nd	1.7	nd	nd	nd	nd	nd
SG-402	Jan-92	5	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	1,170	nd	7.1	nd	nd	3.0	nd	nd	nd	nd	nd
SG-403	Jan-92	5	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	1,350	nd	nd	nd	nd	3.4	nd	nd	nd	nd	nd
SG-403	Jan-92	25	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	2,000	nd	120	nd	nd	19.0	nd	nd	nd	nd	nd
SG-404	Jan-92	15	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	72.4	nd	nd	nd	nd	2.3	nd	nd	nd	nd	nd
SG-405	Jan-92	5	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	490	nd	nd	nd	nd	23.9	nd	nd	nd	nd	nd
SG-406	Jan-92	5	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	1,480	nd	21.2	nd	nd	1,060	nd	nd	nd	nd	nd
SG-407	Jan-92	5	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	1,200	nd	0.9	nd	nd	39.0	nd	nd	nd	nd	nd
SG-408	Jan-92	5	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	300	nd	6.8	nd	nd	31.0	nd	nd	nd	nd	nd
SG-409	Jan-92	5	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	1,100	nd	30.0	nd	nd	300	nd	nd	nd	nd	nd
SG-410	Jan-92	5	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	840	nd	nd	nd	nd	220	nd	nd	nd	nd	nd
SG-411	Jan-92	5	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	1,260	nd	3.6	nd	nd	193	nd	nd	nd	nd	nd
SG-412	Jan-92	26	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	2,100	nd	5.3	nd	nd	310	nd	nd	nd	nd	nd
SG-413	Jan-92	15	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	37.0	nd	9.6	nd	nd	6.0	nd	nd	nd	nd	nd
SG-414	Jan-92	5	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	460	nd	1.8	nd	nd	490	nd	nd	nd	nd	nd
SG-415	Jan-92	5	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	420	nd	3.3	nd	nd	170	nd	nd	nd	nd	nd
SG-416	Jan-92	5	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	4.1	nd	0.7	nd	nd	72.0	nd	nd	nd	nd	nd
SG-417	Jan-92	5	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	10.3	nd	1.6	nd	nd	69.0	nd	nd	nd	nd	nd
SG-418	Jan-92	5	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	1.9	nd	12.3	nd	nd	0.1	nd	nd	nd	nd	nd
SG-419	Jan-92	5	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	0.6	nd	10.0	nd	nd	440	nd	nd	nd	nd	nd
SG-420	Jan-92	5	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	4.1	nd	130	nd	nd	2,000	nd	nd	nd	nd	nd
SG-421	Jan-92	5	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	4.5	nd	13.0	nd	nd	2,100	nd	nd	nd	nd	nd
SG-422	Jan-92	5	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	3.3	nd	20.5	nd	nd	580	nd	nd	nd	nd	nd
SG-423	Jan-92	28	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	1.8	nd	18.0	nd	nd	900	nd	nd	nd	nd	nd
SG-424	Jan-92	3	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	0.6	nd	310	nd	nd	1,300	nd	nd	nd	nd	nd
SG-425	Jan-92	3	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	1.0	nd	390	nd	nd	1,500	nd	nd	nd	nd	nd
SG-426	Jan-92	5	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	6.4	nd	340	nd	nd	450	nd	nd	nd	nd	nd
SG-427	Jan-92	5	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	0.3	nd	6.1	nd	nd	330	nd	nd	nd	nd	nd
SG-428	Jan-92	25	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	1.3	nd	1.3	nd	nd	12.9	nd	nd	nd	nd	nd
SG-429	Jan-92	5	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	88.0	nd	88.0	nd	nd	340	nd	nd	nd	nd	nd
SG-430	Jan-92	5	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	3.1	nd	3.1	nd	nd	14.9	nd	nd	nd	nd	nd
SG-431	Jan-92	5	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	230	nd	230	nd	nd	400	nd	nd	nd	nd	nd
SG-432	Jan-92	5	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	190	nd	190	nd	nd	410	nd	nd	nd	nd	nd
SG-433	Jan-92	9	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	1.4	nd	1.4	nd	nd	9.3	nd	nd	nd	nd	nd
SG-434	Jan-92	5	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	0.2	nd	210	nd	nd	350	nd	nd	nd	nd	nd
SG-435	Jan-92	5	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	4.1	nd	nd	nd	nd	5.8	nd	nd	nd	nd	nd
SG-436	Jan-92	5	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	140	nd	140	nd	nd	120	nd	nd	nd	nd	nd
SG-437	Jan-92	5	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	160	nd	160	nd	nd	13.0	nd	nd	nd	nd	nd
SG-438	Jan-92	5	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
SG-439	Jan-92	5	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
SG-440	Jan-92	5	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
SG-441	Jan-92	5	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
SG-442	Jan-92	5	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
SG-443	Jan-92	5	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
SG-444	Jan-92	5	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
SG-445	Jan-92	5	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
SG-446	Jan-92	5	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
SG-447	Jan-92	5	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
SG-448	Jan-92	5	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
SG-449	Jan-92	5	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
SG-450	Jan-92	5	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
SG-451	Jan-92	29	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
SG-452	Jan-92	5	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
SG-453	Jan-92	15	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
SG-454	Jan-92	5	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
SG-455	Jan-92	15	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd

TABLE A.2
Soil Gas Analytical Results - Soil Gas Drive Points

Soil Gas Drive Point	Date Sampled	Sampling Depth (ft)	Freon-12 Chloride	Freon-11	Freon-113	DOM	trans-1,2- DCE	1,1-DCE	cis-1,2- DCE	Chloro form	1,1,1-TCA Carbon Tetr Micrograms per Liter	TOE	1,1,2-TCA	PCE	1,1,2,2-TCA	1,1,2,2-TCA	Benzene	Toluene	Benzyl Benzene	m,p-Xylene	o-Xylene
SG-4056	Jun-92	3	nd	nd	nd	nd	nd	nd	nd	nd	11.9	nd	nd	140	nd	nd	9.0	nd	nd	nd	nd
SG-4057	Jun-92	3	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	0.2	nd	nd	nd	nd	nd	nd	nd
SG-4058	Jun-92	3	nd	nd	nd	nd	nd	nd	nd	nd	1.7	nd	nd	0.3	nd	nd	0.6	nd	nd	nd	nd
SG-4059	Jun-92	3	nd	nd	nd	nd	nd	nd	nd	nd	1.5	nd	nd	1.0	nd	nd	4.5	nd	nd	nd	nd
SG-4060	Jun-92	3	nd	nd	nd	nd	nd	nd	nd	nd	43.0	nd	nd	1000	nd	nd	360	nd	nd	nd	nd
SG-4061	Jun-92	3	nd	nd	nd	nd	nd	nd	nd	nd	34.0	nd	nd	7.0	nd	nd	320	nd	nd	nd	nd
SG-4062	Jun-92	5	nd	nd	nd	nd	nd	nd	nd	nd	28.0	nd	nd	14.0	nd	nd	66.0	nd	nd	nd	nd
SG-4063	Jun-92	5	nd	nd	nd	nd	nd	nd	nd	nd	310	nd	nd	2.4	nd	nd	110	nd	nd	nd	nd
SG-4064	Jun-92	5	nd	nd	nd	nd	nd	nd	nd	nd	9.0	nd	nd	14.0	nd	nd	120	nd	nd	nd	nd
SG-4065	Jun-92	5	nd	nd	nd	nd	nd	nd	nd	nd	360	nd	nd	30.0	nd	nd	125	nd	nd	nd	nd
SG-4066	Jun-92	24	nd	nd	nd	nd	nd	nd	nd	nd	1700	nd	nd	79.0	nd	nd	1690	nd	nd	nd	nd
SG-4067	Jun-92	15	nd	nd	nd	nd	nd	nd	nd	nd	1250	nd	nd	71.0	nd	nd	350	nd	nd	nd	nd
SG-4068	Jun-92	5	nd	nd	nd	nd	nd	nd	nd	nd	220	nd	nd	16.0	nd	nd	120	nd	nd	nd	nd
SG-4069	Jun-92	3	nd	nd	nd	nd	nd	nd	nd	nd	12.0	nd	nd	6.3	nd	nd	8.4	nd	nd	nd	nd
SG-4070	Jun-92	5	nd	nd	nd	nd	nd	nd	nd	nd	2.3	nd	nd	nd	nd	nd	8.3	nd	nd	nd	nd
SG-4071	Jun-92	5	nd	nd	nd	nd	nd	nd	nd	nd	6.0	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
SG-4072	Jun-92	5	nd	nd	nd	nd	nd	nd	nd	nd	4.0	nd	nd	nd	nd	nd	1.1	nd	nd	nd	nd
SG-4073	Jun-92	5	nd	nd	nd	nd	nd	nd	nd	nd	5.0	nd	nd	nd	nd	nd	4.0	nd	nd	nd	nd
SG-4074	Jun-92	5	nd	nd	nd	nd	nd	nd	nd	nd	0.6	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
SG-4075	Jun-92	5	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
SG-4076	Jun-92	5	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
SG-4077	Jun-92	5	nd	nd	nd	nd	nd	nd	nd	nd	135	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
SG-4078	Jun-92	5	nd	nd	nd	nd	nd	nd	nd	nd	570	nd	nd	9.4	nd	nd	48.0	nd	nd	nd	nd
SG-4079	Jun-92	5	nd	nd	nd	nd	nd	nd	nd	nd	1.5	nd	nd	34.0	nd	nd	2.00	nd	nd	nd	nd
SG-4080	Jun-92	15	nd	nd	nd	nd	nd	nd	nd	nd	1130	nd	nd	11.0	nd	nd	230	nd	nd	nd	nd
SG-4081	Jun-92	15	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	44.0	nd	nd	680	nd	nd	nd	nd
SG-4082	Jun-92	5	nd	nd	nd	nd	nd	nd	nd	nd	1.2	nd	nd	43.6	nd	nd	nd	nd	nd	nd	nd
SG-4083	Jun-92	5	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
SG-4084	Jun-92	5	nd	nd	nd	nd	nd	nd	nd	nd	82.0	nd	nd	320	nd	nd	3.4	nd	nd	nd	nd
SG-4085	Jun-92	5	nd	nd	nd	nd	nd	nd	nd	nd	1.000	nd	nd	1.4	nd	nd	550	nd	nd	nd	nd
SG-4086	Jun-92	5	nd	nd	nd	nd	nd	nd	nd	nd	2400	nd	nd	34.0	nd	nd	2.00	nd	nd	nd	nd
SG-4087	Jun-92	5	nd	nd	nd	nd	nd	nd	nd	nd	450	nd	nd	11.0	nd	nd	140.0	nd	nd	nd	nd
SG-4088	Jun-92	5	nd	nd	nd	nd	nd	nd	nd	nd	9.9	nd	nd	nd	nd	nd	13.0	nd	nd	nd	nd
SG-4089	Jun-92	5	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	51.0	nd	nd	nd	nd
SG-4090	Jun-92	5	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	83.0	nd	nd	nd	nd	nd	nd	nd
SG-4091	Jun-92	5	nd	nd	nd	nd	nd	nd	nd	nd	1.0	nd	nd	103	nd	nd	0.4	nd	nd	nd	nd
SG-4092	Jun-92	5	nd	nd	nd	nd	nd	nd	nd	nd	0.5	nd	nd	85.0	nd	nd	nd	nd	nd	nd	nd
SG-4093	Jun-92	5	nd	nd	nd	nd	nd	nd	nd	nd	2.6	nd	nd	7.2	nd	nd	nd	nd	nd	nd	nd
SG-4094	Jun-92	5	nd	nd	nd	nd	nd	nd	nd	nd	0.2	nd	nd	570	nd	nd	nd	nd	nd	nd	nd
SG-4095	Jun-92	5	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
SG-4096	Jun-92	5	nd	nd	nd	nd	nd	nd	nd	nd	1.1	nd	nd	2.00	nd	nd	0.4	nd	nd	nd	nd
SG-4097	Jun-92	5	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
SG-4098	Jun-92	5	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	330	nd	nd	nd	nd	nd	nd	nd
SG-4099	Jun-92	5	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
SG-4100	Jun-92	5	nd	nd	nd	nd	nd	nd	nd	nd	3.3	nd	nd	93.0	nd	nd	nd	nd	nd	nd	nd
SG-4101	Jun-92	5	nd	nd	nd	nd	nd	nd	nd	nd	16.0	nd	nd	150	nd	nd	21.0	nd	nd	nd	nd
SG-4102	Jun-92	5	nd	nd	nd	nd	nd	nd	nd	nd	72.0	nd	nd	22.0	nd	nd	190	nd	nd	nd	nd
SG-4103	Jun-92	5	nd	nd	nd	nd	nd	nd	nd	nd	9.3	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
SG-4104	Dec-94	10	nd	nd	nd	nd	nd	nd	nd	nd	1.000	nd	nd	5.4	nd	nd	290	nd	nd	nd	nd
SG-4105	Dec-94	10	nd	nd	nd	nd	nd	nd	nd	nd	12.0	nd	nd	38.0	nd	nd	nd	nd	nd	nd	nd
SG-4106	Dec-94	10	nd	nd	nd	nd	nd	nd	nd	nd	37.0	nd	nd	26.0	nd	nd	5.8	nd	nd	nd	nd
SG-4107	Dec-94	10	nd	nd	nd	nd	nd	nd	nd	nd	59.0	nd	nd	31.0	nd	nd	4.8	nd	nd	nd	nd
SG-4108	Dec-94	10	nd	nd	nd	nd	nd	nd	nd	nd	24.0	nd	nd	23.0	nd	nd	4.2	nd	nd	nd	nd
SG-4109	Dec-94	10	nd	nd	nd	nd	nd	nd	nd	nd	40.0	nd	nd	14.0	nd	nd	3.1	nd	nd	nd	nd
SG-4110	Dec-94	10	nd	nd	nd	nd	nd	nd	nd	nd	26.0	nd	nd	78.0	nd	nd	4.6	nd	nd	nd	nd
SG-4111	Dec-94	10	nd	nd	nd	nd	nd	nd	nd	nd	12.0	nd	nd	99.0	nd	nd	nd	nd	nd	nd	nd
SG-4112	Dec-94	10	nd	nd	nd	nd	nd	nd	nd	nd	19.0	nd	nd	35.0	nd	nd	1.3	nd	nd	nd	nd
SG-4113	Dec-94	10	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
SG-4114	Dec-94	10	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	190	nd	nd	nd	nd	nd	nd	nd
SG-4115	Dec-94	10	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	57.0	nd	nd	nd	nd	nd	nd	nd
SG-4116	Dec-94	10	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	21.0	nd	nd	nd	nd	nd	nd	nd

TABLE A.2
Soil Gas Analytical Results - Soil Gas Drive Points

Soil Gas Drive Point	Date Sampled	Sampling Depth (ft)	Freon-12 Chloride	Vinyl Chloride	Chloro ethane	Freon-11	Freon-113	DCM	trans-1,2- DCE	1,1-DCA	cis-1,2- DCE	Qbromo form	1,1,1-TCA Carbon Tet	1,2-DCA	TCE	1,1,2-TCA	PCB	1,1,1,2-TCA	1,1,2,2-TCA	1,1,2,2,2-TCA	Benzene	Toluene	Benzene mip-Xylene	o-Xylene
SG-213	Dec-94	10	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	270	nd	nd	nd	nd	nd	nd	nd
SG-214	Dec-94	10	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	33.0	nd	nd	nd	nd	nd	nd	nd
SG-215	Dec-94	9	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	7.6	nd	nd	nd	nd	nd	nd	nd
SG-216	Dec-94	10	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	400	nd	nd	nd	nd	nd	nd	nd
SG-217	Dec-94	8	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	34.0	nd	nd	nd	nd	nd	nd	nd
SG-218	Dec-94	10	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	13.0	nd	nd	nd	nd	nd	nd	nd
SG-219	Dec-94	10	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	380	nd	nd	nd	nd	nd	nd	nd
SG-220	Dec-94	10	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
SG-221	Dec-94	10	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
SG-222	Dec-94	10	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	8.5	nd	nd	nd	nd	nd	nd	nd
SG-223	Dec-94	10	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	6.9	nd	nd	nd	nd	nd	nd	nd
SG-224	Dec-94	10	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
SG-225	Dec-94	10	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	19.0	nd	nd	nd	nd	nd	nd	nd
SG-226	Dec-94	10	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	27.0	nd	nd	nd	nd	nd	nd	nd
SG-227	Dec-94	10	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	11.0	nd	nd	nd	nd	nd	nd	nd
SG-228	Dec-94	10	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	34.0	nd	nd	nd	nd	nd	nd	nd
SG-229	Dec-94	10	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	14.0	nd	nd	nd	nd	nd	nd	nd
SG-230	Dec-94	10	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	13.0	nd	nd	nd	nd	nd	nd	nd
SG-231	Dec-94	10	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	9.8	nd	nd	nd	nd	nd	nd	nd
SG-232	Dec-94	10	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	6.9	nd	nd	nd	nd	nd	nd	nd
SG-233	Dec-94	10	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	11.0	nd	nd	nd	nd	nd	nd	nd
SG-234	Dec-94	20	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	8.1	nd	nd	nd	nd	nd	nd	nd
SG-235	Dec-94	20	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	2.7	nd	nd	nd	nd	nd	nd	nd
SG-236	Dec-94	17	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
SG-237	Dec-94	20	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
SG-238	Dec-94	20	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
SG-239	Dec-94	20	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	14.0	nd	nd	nd	nd	nd	nd	nd
SG-240	Dec-94	20	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	54.0	nd	nd	nd	nd	nd	nd	nd
SG-241	Dec-94	20	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	25.0	nd	nd	nd	nd	nd	nd	nd
SG-242	Dec-94	20	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	64.0	nd	nd	nd	nd	nd	nd	nd
SG-243	Dec-94	20	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	11.0	nd	nd	nd	nd	nd	nd	nd
SG-244	Dec-94	20	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	22.0	nd	nd	nd	nd	nd	nd	nd
SG-245	Dec-94	20	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	16.0	nd	nd	nd	nd	nd	nd	nd
SG-246	Dec-94	29	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	1,100	nd	nd	nd	nd	nd	nd	nd
SG-247	Dec-94	32	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	34.0	nd	nd	nd	nd	nd	nd	nd
SG-248	Dec-94	23	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	33.0	nd	nd	nd	nd	nd	nd	nd
SG-249	Dec-94	30	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	170	nd	nd	nd	nd	nd	nd	nd

nd: Not detected above detection limit

APPENDIX B
SUMMARY OF GROUNDWATER SAMPLING RESULTS

APPENDIX C
GROUNDWATER LEVEL MEASUREMENTS

TABLE C.1
GROUNDWATER LEVEL MEASUREMENTS, WELL MW-1

<i>Date</i>	<i>Time</i>	<i>Depth (Ft BMP)</i>	<i>Elevation (Ft AMSL)</i>	<i>Measured by</i>	<i>Method. Comments</i>
17-Jul-92	1:45 PM	114.76	469.13	IW/PO	Metric Sound.#1
28-Jul-92	4:25 PM	114.07	469.82	IST/PO	Metric Sound.#1
29-Jul-92	11:15 AM	114.14	469.76	IST/PO	Metric Sound.#1
30-Jul-92	5:45 PM	114.22	469.68	PO	Metric Sound.#1
12-Aug-92	7:23 AM	114.24	469.66	PO/JF	Metric Sound.#1
14-Aug-92	5:05 PM	114.37	469.52	MP/JF	Metric Sound.#1
2-Sep-92	2:00 PM	114.50	469.39	MP/JF	Metric Sound.#1
8-Sep-92	9:06 AM	114.50	469.39	MP/JF	Metric Sound.#1
9-Sep-92	4:03 PM	114.49	469.40	MP	Metric Sound.#1
21-Oct-92	6:45 PM	115.43	468.47	MP/JW	Metric Sound.#1
24-Nov-92	3:51 PM	116.14	467.76	MP/IST	Insco Sound.
3-Dec-92	7:29 AM	116.01	467.89	JST/MB	Metric Sound.#2
8-Dec-92	8:55 AM	116.50	467.40	MP	Metric Sound.#2
28-Jan-93	8:00 AM	117.13	466.77	JW	Insco Sound.
19-Feb-93	7:11 AM	117.26	466.64	JW	Insco Sound.
19-Mar-93	10:59 AM	117.61	466.29	MB	Insco Sound.
20-Apr-93	4:52 PM	117.35	466.55	MB	Insco Sound.
7-Jun-93	12:36 PM	115.43	468.47	WT	Insco Sound.
29-Jun-93	12:14 PM	114.57	469.33	MP/JW	Insco Sound.
30-Jul-93	9:10 AM	113.86	470.04	JW	Insco Sound.
2-Sep-93	11:20 AM	112.76	471.14	WT	Insco Sound.#4
1-Oct-93	1:10 PM	113.59	470.31	MP/PO	Insco Sound.#4
4-Nov-93	8:45 AM	113.68	470.22	JW	Insco Sound.#4
6-Dec-93	2:33 PM	113.06	470.84	WT	Insco Sound.#4
30-Dec-93	9:50 AM	113.05	470.85	BV	Insco Sound.#4
1-Feb-94	12:08 PM	111.06	472.84	BV	Insco Sound.#4
25-Feb-94	12:15 PM	109.64	474.26	BV	Insco Sound.#4
13-Apr-94	5:55 PM	110.67	473.23	BV	Insco Sound.#4
4-May-94	11:20 AM	110.41	473.49	BV	Insco Sound.#4
31-May-94	4:10 PM	108.12	475.78	TS	Insco Sound.#4
13-Jul-94	8:20 AM	109.06	474.84	MEP	Insco Sound.#4
12-Aug-94	11:40 AM	107.20	476.70	TS	Insco Sound.#4
21-Sep-94	11:26 AM	107.85	476.05	MEP/JT	Insco Sound.#4
27-Oct-94	10:45 AM	107.89	476.01	BV	Insco Sound.#4
21-Nov-94	2:00 PM	107.66	476.24	BV	Insco Sound.#4
27-Jan-95	12:37 PM	107.12	476.78	BV	Insco Sound.#4
22-Mar-95	5:36 PM	107.10	476.80	IST	Insco Sound.#4
3-Apr-95	11:00 AM	107.09	476.81	BV	Insco Sound.#4
27-Jun-95	5:30 PM	105.07	478.83	BV	Insco Sound.#4
7-Sep-95	11:04 AM	104.44	479.46	BV	Insco Sound.#4
31-Jan-96	1:07 PM	103.50	480.40	BV	Insco Sound.#4
22-Jan-97	10:40 AM	106.69	477.21	GAC	Insco Sound.#4
31-Jul-97	3:00 PM	109.65	474.25	GAC	Insco Sound.#4
16-Jan-98	3:35 PM	109.25	474.65	GAC	Insco Sound.#4
25-Aug-98	11:44 AM	109.37	474.53	WT	Insco Sound.
29-Jan-99	10:30 AM	107.77	476.13	JM	Insco Sound.
30-Apr-99	9:38 AM	108.05	475.85	BA	Insco Sound.
19-Jul-99	4:21 PM	110.57	473.33	BA	Insco Sound.
7-Feb-00	1:20 PM	115.37	468.53	BA	
2-Aug-00		120.90	463.00	JM	
21-Sep-00		121.44	462.46	JM	
30-Nov-00	11:00 AM	122.08	461.82	JM	
Measuring Point Elevation:		583.90			

TABLE C.2
GROUNDWATER LEVEL MEASUREMENTS, WELL MW-2

<i>Date</i>	<i>Time</i>	<i>Depth (Ft BMP)</i>	<i>Elevation (Ft AMSL)</i>	<i>Measured by</i>	<i>Method, Comments</i>
28-Jul-92	4:51 PM	108.73	470.92	JW/PO	Metric Sound.#1
30-Jul-92	7:30 AM	108.75	470.90	JST/PO	Metric Sound.#1
30-Jul-92	6:05 PM	110.22	469.43	JST/PO	Metric Sound.#1
12-Aug-92	8:00 AM	110.40	469.25	PO	Metric Sound.#1
15-Aug-92	5:50 AM	110.50	469.15	PO/JF	Metric Sound.#1
2-Sep-92	2:07 PM	110.50	469.15	MP/JF	Metric Sound.#1
8-Sep-92	8:54 AM	110.85	468.80	MP/JF	Metric Sound.#1
9-Sep-92	3:52 PM	110.49	469.16	MP/JF	Metric Sound.#1
21-Oct-92	6:28 PM	111.43	468.22	MP	Metric Sound.#1
24-Nov-92	3:35 PM	112.10	467.55	MP/JW	Insco Sound., poor replic; water dripping down casing
3-Dec-92	7:03 AM	111.90	467.75	MP/JST	Metric Sound.#2
8-Dec-92	8:40 AM	113.09	466.56	JST/MB	Metric Sound.#2
30-Dec-92	3:57 PM	112.21	467.44	MP	Insco Sound.
28-Jan-93	8:15 AM	112.83	466.82	JW	Insco Sound.
19-Feb-93	7:24 AM	112.73	466.92	JW	Insco Sound., poor replic; water dripping down casing
19-Mar-93	8:38 AM	114.65	465.00	MB	Insco Sound.
20-Apr-93	4:36 PM	112.81	466.84	MB	Insco Sound.
7-Jun-93	12:10 PM	111.48	468.17	WT	Insco Sound.
29-Jun-93	2:59 PM	109.97	469.68	MP/JW	Insco Sound.
30-Jul-93	9:43 AM	109.38	470.27	JW	Insco Sound.#4
2-Sep-93	11:55 AM	108.50	471.15	WT	Insco Sound.#4
1-Oct-93	3:20 PM	109.24	470.41	MP/PO	Insco Sound.#4
4-Nov-93	9:11 AM	109.17	470.48	JW	Insco Sound.#4
6-Dec-93	2:12 PM	108.58	471.07	WT	Insco Sound.#4
29-Dec-93	6:30 AM	108.38	471.27	BV	Insco Sound.#4
1-Feb-94	11:12 AM	106.47	473.18	BV	Insco Sound.#4
25-Feb-94	11:10 AM	104.64	475.01	BV	Insco Sound.#4
12-Apr-94	2:02 PM	105.60	474.05	BV	Insco Sound.#4
4-May-94	10:35 AM	105.27	474.38	BV	Insco Sound.#4
31-May-94	3:45 PM	102.93	476.72	TS	Insco Sound.#4
13-Jul-94	10:25 AM	103.75	475.90	TS	Insco Sound.#4
12-Aug-94	11:15 AM	101.84	477.81	TS	Insco Sound.#4
20-Sep-94	3:32 PM	102.43	477.22	MEP/JT	Insco Sound.#4
27-Oct-94	11:27 AM	102.55	477.10	BV	Insco Sound.#4
21-Nov-94	3:00 PM	102.30	477.35	BV	Insco Sound.#4
27-Jan-95	7:35 AM	101.85	477.80	BV	Insco Sound.#4
22-Mar-95	2:27 PM	101.90	477.75	JST	Insco Sound.#4
3-Apr-95	11:11 AM	101.90	477.75	BV	Insco Sound.#4
28-Jun-95	9:00 AM	99.67	479.98	BV	Insco Sound.#4
7-Sep-95	11:58 AM	99.03	480.62	BV	Insco Sound.#4
31-Jan-96	11:07 AM	98.00	481.65	BV	Insco Sound.#4
21-Jan-97	12:53 PM	101.74	477.91	GAC/JST	
31-Jul-97	10:45 AM	105.44	474.21	GAC	
19-Jan-98	8:56 AM	104.82	474.83	GAC	
25-Aug-98	2:30 PM	104.49	475.16	WT	
28-Jan-99	3:00 PM	103.09	476.56	JM	
30-Apr-99				BA	No Access
19-Jul-99	4:53 PM	107.49	472.16	BA	
8-Sep-99		109.75	469.90	BA	
28-Jan-00	2:45 PM	112.00	467.65	BA	
2-Aug-00		117.60	462.05	JM	
30-Nov-00	2:30 PM	118.22	461.43	JM	
Measuring Point Elevation:		579.65			

TABLE C.3
GROUNDWATER LEVEL MEASUREMENTS, WELL MW-3

<i>Date</i>	<i>Time</i>	<i>Depth (Ft BMP)</i>	<i>Elevation (Ft AMSL)</i>	<i>Measured by</i>	<i>Method, Comments</i>
28-Jul-92	4:57 PM	105.92	469.72	JW/PO	Metric Sound.#1
29-Jul-92	5:30 PM	105.88	469.77	JST/PO	Metric Sound.#1
30-Jul-92	6:00 PM	106.23	469.42	JST/PO	Metric Sound.#1
12-Aug-92	7:50 AM	106.63	469.02	PO	Metric Sound.#1
14-Aug-92	8:30 PM	106.30	469.35	PO/JF	Metric Sound.#1
2-Sep-92	2:11 PM	106.59	469.05	MP/JF	Metric Sound.#1
8-Sep-92	8:45 AM	106.73	468.92	MP/JF	Metric Sound.#1
9-Sep-92	3:50 PM	106.50	469.15	MP/JF	Metric Sound.#1
21-Oct-92	6:35 PM	107.62	468.02	MP	Metric Sound.#1
24-Nov-92	3:45 PM	108.51	467.14	MP/JW	Insco Sound.
3-Dec-92	6:58 AM	108.27	467.38	MP/JST	Metric Sound.#2
8-Dec-92	8:45 AM	111.92	463.73	JST/MB	Metric Sound.#2
30-Dec-92	3:50 PM	109.27	466.38	MP	Insco Sound.
28-Jan-93	8:06 AM	109.32	466.33	JW	Insco Sound.
19-Feb-93	7:16 AM	109.63	466.02	JW	Insco Sound.
18-Mar-93	3:33 PM	109.64	466.01	MB	Insco Sound.
20-Apr-93	12:12 PM	109.44	466.21	MB	Insco Sound.
7-Jun-93	12:15 PM	107.30	468.35	WT	Insco Sound.
29-Jun-93	10:51 AM	106.59	469.06	MP/JW	Insco Sound.
30-Jul-93	9:40 AM	105.68	469.97	JW	Insco Sound.#4
2-Sep-93	12:07 PM	104.61	471.04	WT	Insco Sound.#4
1-Oct-93	11:28 AM	105.88	469.77	MP/PO	Insco Sound.#4
4-Nov-93	9:07 AM	105.88	469.77	JW	Insco Sound.#4
6-Dec-93	2:17 PM	105.26	470.39	WT	Insco Sound.#4
29-Dec-93	10:15 AM	105.23	470.42	BV	Insco Sound.#4
1-Feb-94	11:00 AM	103.08	472.57	BV	Insco Sound.#4
25-Feb-94	11:00 AM	101.53	474.12	BV	Insco Sound.#4
12-Apr-94	7:40 AM	102.81	472.84	BV	Insco Sound.#4
4-May-94	10:30 AM	102.40	473.25	BV	Insco Sound.#4
31-May-94	3:20 PM	NA		TS	No Access - Roll-off bin placed over well
13-Jul-94	12:40 PM	101.00	474.65	TS	Insco Sound.#4
12-Aug-94	11:20 AM	98.91	476.74	TS	Insco Sound.#4
21-Sep-94	7:15 AM	99.76	475.89	MEP/JT	Insco Sound.#4
27-Oct-94	11:34 AM	99.86	475.79	BV	Insco Sound.#4
21-Nov-94	2:55 PM	99.62	476.03	BV	Insco Sound.#4
27-Jan-95	9:50 AM	99.10	476.55	BV	Insco Sound.#4
22-Mar-95	4:00 PM	99.20	476.45	JST	Insco Sound.#4
3-Apr-95	11:06 AM	99.08	476.57	BV	Insco Sound.#4
28-Jun-95	2:30 PM	96.97	478.68	BV	Insco Sound.#4
7-Sep-95	12:10 PM	96.18	479.47	BV	Insco Sound.#4
31-Jan-96	9:09 AM	94.85	480.80	BV	Insco Sound.#4
22-Jan-97	1:00 PM	98.73	476.92	GAC/JST	
31-Jul-97	1:00 PM	101.87	473.78	GAC	
19-Jan-98	7:42 AM	101.08	474.57	GAC	
25-Aug-98	6:51 PM	101.21	474.44	WT	
28-Jan-99	10:48 AM	99.74	475.91	JM	
30-Apr-99	9:49 AM	99.40	476.25	BA	
19-Jul-99	4:44 PM	103.57	472.08	BA	
8-Sep-99		106.13	469.52	BA	
7-Feb-00	9:59 AM	108.16	467.49	BA	
2-Aug-00		113.40	462.25	JM	
21-Sep-00		113.98	461.67	JM	
17-Nov-00	12:34 PM	115.36	460.29	JM	
1-Dec-00	8:15 AM	114.12	461.53	JM	
Measuring Point Elevation:		575.65			

TABLE C.4
GROUNDWATER LEVEL MEASUREMENTS, WELL MW-4

<i>Date</i>	<i>Time</i>	<i>Depth (Ft BMP)</i>	<i>Elevation (Ft AMSL)</i>	<i>Measured by</i>	<i>Method, Comments</i>
15-Jul-92	4:00 PM	116.95	471.95	JW/PO	Metric Sound.#1, steel tape.
17-Jul-92	1:20 PM	115.80	471.43	JW/PO	Metric Sound.#1
28-Jul-92	4:15 PM	115.91	471.32	JST/PO	Metric Sound.#1
29-Jul-92	8:12 AM	115.83	471.40	JST/PO	Metric Sound.#1
29-Jul-92	1:20 PM	115.64	471.59	JST/PO	Metric Sound.#1
30-Jul-92	5:50 PM	114.81	472.42	JST/PO	Metric Sound.#1
12-Aug-92	7:05 AM	114.90	472.33	PO	Metric Sound.#1
14-Aug-92	11:30 AM	115.04	472.19	PO/JF	Metric Sound.#1
2-Sep-92	2:20 PM	115.11	472.12	MP/JF	Metric Sound.#1
8-Sep-92	9:01 AM	115.15	472.08	MP/JF	Metric Sound.#1
9-Sep-92	4:01 PM	115.04	472.19	MP/JF	Metric Sound.#1
21-Oct-92	6:04 PM	115.51	471.72	MP	Metric Sound.#1
24-Nov-92	3:22 PM	115.92	471.31	MP/JW	Insco Sound.
3-Dec-92	7:25 AM	115.87	471.36	MP/JST	Metric Sound.#2
8-Dec-92	7:30 AM	116.63	470.60	JST/MB	Metric Sound.#2
30-Dec-92	4:10 PM	116.63	470.60	MP	Insco Sound.
28-Jan-93	7:45 AM	116.78	470.45	JW	Insco Sound.
19-Feb-93	7:04 AM	116.87	470.36	JW	Insco Sound.
16-Mar-93	1:56 PM	117.29	469.94	MB	Insco Sound.
20-Apr-93	4:40 PM	117.55	469.68	MB	Insco Sound.
7-Jun-93	11:40 AM	116.66	470.57	WT	Insco Sound.
28-Jun-93	7:17 AM	116.26	470.97	MP/JW	Insco Sound.
30-Jul-93	9:06 AM	115.52	471.71	JW	Insco Sound.#4
2-Sep-93	11:37 AM	114.66	472.57	WT	Insco Sound.#4
30-Sep-93	6:50 AM	114.65	472.58	MP/PO	Insco Sound.#4
4-Nov-93	8:40 AM	114.67	472.56	JW	Insco Sound.#4
6-Dec-93	1:52 PM	114.09	473.14	WT	Insco Sound.#4
28-Dec-93	7:00 AM	114.07	473.16	BV	Insco Sound.#4
1-Feb-94	11:36 AM	113.27	473.96	BV	Insco Sound.#4
25-Feb-94	10:50 AM	112.09	475.14	BV	Insco Sound.#4
30-Mar-94	3:30 PM	112.00	475.23	BV	Insco Sound.#4
4-May-94	10:15 AM	111.47	475.76	BV	Insco Sound.#4
31-May-94	3:05 PM	110.48	476.75	TS	Insco Sound.#4
11-Jul-94	11:25 AM	111.30	475.93	MEP	Insco Sound.#4
12-Aug-94	10:30 AM	109.34	477.89	TS	Insco Sound.#4
20-Sep-94	6:54 AM	108.97	478.26	MEP/JT	Insco Sound.#4
27-Oct-94	11:12 AM	108.68	478.55	BV	Insco Sound.#4
21-Nov-94	2:35 PM	108.53	478.70	BV	Insco Sound.#4
25-Jan-95	1:00 PM	107.66	479.57	BV	Insco Sound.#4
21-Mar-95	9:50 AM	107.50	479.73	JST	Insco Sound.#4
3-Apr-95	10:50 AM	107.60	479.63	BV	Insco Sound.#4
22-Jun-95	11:30 AM	106.92	480.31	VM	Insco Sound.#4
7-Sep-95	11:34 AM	105.98	481.25	BV	Insco Sound.#4
30-Jan-96	10:27 AM	104.81	482.42	BV	Insco Sound.#4
21-Jan-97	8:05 AM	106.94	480.29	GAC/JST	Water w/ oil sheen in vault
28-Jul-97	9:00 AM	109.49	477.74	GAC	
15-Jan-98	9:28 AM	110.87	476.36	WT	
25-Aug-98	11:24 AM	110.44	476.79	WT	
26-Jan-99	9:23 AM	111.10		JM	
9-Feb-99	3:00 PM	109.16	478.07	BA	
30-Apr-99	9:14 AM	110.32	476.91	BA	
19-Jul-99	4:10 PM	112.02	475.21	BA	
8-Sep-99		114.40	472.83	BA	
1/27/00	13:19	119.71	467.52	BA	
8/2/00		121.91	465.32	JM	
9/21/00		121.33	465.90	JM	
11/17/00	12:20	122.42	464.81	JM	
11/28/00	10:40	122.35	464.88	JM	
Measuring Point Elevation:		587.23			

TABLE C.5
GROUNDWATER LEVEL MEASUREMENTS, WELL MW-5

<i>Date</i>	<i>Time</i>	<i>Depth (Ft BMP)</i>	<i>Elevation (Ft AMSL)</i>	<i>Measured by</i>	<i>Method, Comments</i>
28-Jul-92	4:39 PM	111.84	471.31	JST/PO	Metric Sound.#1
30-Jul-92	12:30 PM	111.84	471.32	JST/PO	Metric Sound.#1
30-Jul-92	5:40 PM	112.60	470.56	JST/PO	Metric Sound.#1
12-Aug-92	7:36 AM	112.73	470.43	PO	Metric Sound.#1
15-Aug-92	9:45 AM	112.86	470.29	PO/JF	Metric Sound.#1
2-Sep-92	2:27 PM	112.96	470.20	MP/JF	Metric Sound.#1
8-Sep-92	8:49 AM	113.04	470.11	MP/JF	Metric Sound.#1
9-Sep-92	3:58 PM	112.86	470.29	MP/JF	Metric Sound.#1
21-Oct-92	6:10 PM	113.25	469.90	MP	Metric Sound.#1
24-Nov-92	3:26 PM	114.07	469.09	MP/JW	Insco Sound.
3-Dec-92	7:11 AM	112.02	471.14	MP/JST	Metric Sound.#2
8-Dec-92	8:20 AM	114.43	468.73	JST/MB	Metric Sound.#2
30-Dec-92	4:06 PM	114.79	468.37	MP	Insco Sound.
28-Jan-93	8:33 AM	114.64	468.52	JW	Insco Sound.
19-Feb-93	7:35 AM	114.87	468.29	JW	Insco Sound.
17-Mar-93	7:58 AM	115.19	467.97	MB	Insco Sound.
20-Apr-93	4:00 PM	114.90	468.26	MB	Insco Sound.
7-Jun-93	11:50 AM	113.17	469.99	WT	Insco Sound.
28-Jun-93	10:14 AM	112.53	470.63	MP/JW	Insco Sound.
30-Jul-93	9:50 AM	111.30	471.86	JW	Insco Sound.#4
2-Sep-93	11:43 AM	110.51	472.65	WT	Insco Sound.#4
30-Sep-93	10:02 AM	110.92	472.24	MP/PO	Insco Sound.#4
4-Nov-93	9:24 AM	110.47	472.69	JW	Insco Sound.#4
6-Dec-93	1:58 PM	109.75	473.41	WT	Insco Sound.#4
28-Dec-93	11:05 AM	109.67	473.49	BV	Insco Sound.#4
1-Feb-94	11:26 AM	107.93	475.23	BV	Insco Sound.#4
25-Feb-94	11:35 AM	106.31	476.85	BV	Insco Sound.#4
31-Mar-94	7:40 AM	106.80	476.36	BV	Insco Sound.#4
4-May-94	10:20 AM	106.36	476.80	BV	Insco Sound.#4
31-May-94	3:15 PM	104.51	478.65	TS	Insco Sound.#4
11-Jul-94	3:15 PM	104.73	478.43	MEP	Insco Sound.#4
12-Aug-94	10:35 AM	103.18	479.98	TS	Insco Sound.#4
19-Sep-94	3:14 PM	103.33	479.83	MEP/JT	Insco Sound.#4
27-Oct-94	11:16 AM	103.37	479.79	BV	Insco Sound.#4
21-Nov-94	2:45 PM	103.21	479.95	BV	Insco Sound.#4
25-Jan-95	3:40 PM	102.18	480.98	BV	Insco Sound.#4
22-Mar-95	2:20 PM	103.10	480.06	JST	Insco Sound.#4
3-Apr-95	11:16 AM	102.72	480.44	BV	Insco Sound.#4
22-Jun-95	5:30 PM	101.49	481.67	VM	Insco Sound.#4
7-Sep-95	11:50 AM	100.30	482.86	VM	Insco Sound.#4
30-Jan-96	12:37 PM	99.65	483.51	VM	Insco Sound.#4
21-Jan-97	12:38 PM	103.89	479.27	GAC/JST	
31-Jul-97	7:25 AM	107.69	475.47	GAC	
15-Jan-98	11:00 AM	107.89	475.27	WT	
25-Aug-98	6:45 PM	106.04	477.12	WT	
28-Jan-99	12:35 PM	105.31	477.85	JM	
30-Apr-99				BA	No access
19-Jul-99	5:20 PM	109.96	473.20	BA	
28-Jan-00	9:06 AM	115.61	467.55	BA	
2-Aug-00		120.51	462.65	JM	
28-Nov-00	2:05 PM	121.73	461.43	JM	
Measuring Point Elevation:		583.16			

TABLE C.6
GROUNDWATER LEVEL MEASUREMENTS, WELL MW-6

<i>Date</i>	<i>Time</i>	<i>Depth (Ft BMP)</i>	<i>Elevation (Ft AMSL)</i>	<i>Measured by</i>	<i>Method, Comments</i>
30-Jul-92	4:35 PM	108.12	473.71	JST/PO	Metric Sound.#1
12-Aug-92	7:46 AM	111.94	469.89	PO	Metric Sound.#1
15-Aug-92	1:05 PM	111.94	469.89	PO/JF	Metric Sound.#1
2-Sep-92	2:35 PM	112.04	469.79	MP/JF	Metric Sound.#1
8-Sep-92	8:57 AM	112.27	469.56	MP/JF	Metric Sound.#1
9-Sep-92	3:55 PM	111.98	469.85	MP/JF	Metric Sound.#1
21-Oct-92	6:20 PM	112.81	469.02	MP	Metric Sound.#1, rainwater in well vault
24-Nov-92	3:31 PM	111.99	469.84	MP/JW	Insco Sound., rainwater in well
3-Dec-92	7:05 AM	111.89	469.94	MP/JST	Metric Sound.#2
8-Dec-92	8:30 AM	113.85	467.98	JST/MB	Metric Sound.#2
30-Dec-92	4:02 PM	114.15	467.68	MP	Insco Sound.
28-Jan-93	8:28 AM	113.90	467.93	JW	Insco Sound., rainwater in well vault
19-Feb-93	7:31 AM	108.50	473.33	JW	Insco Sound., rainwater in well
17-Mar-93	11:13 AM	114.49	467.34	MB	Insco Sound.
20-Apr-93	4:28 PM	113.93	467.90	MB	Insco Sound.
7-Jun-93	11:58 AM	112.64	469.19	WT	Insco Sound.
28-Jun-93	11:49 AM	111.75	470.08	MP/JW	Insco Sound.
30-Jul-93	9:47 AM	110.49	471.34	JW	Insco Sound.#4
2-Sep-93	11:49 AM	109.57	472.26	WT	Insco Sound.#4
30-Sep-93	1:01 PM	110.04	471.79	MP/PO	Insco Sound.#4
4-Nov-93	9:20 AM	109.45	472.38	JW	Insco Sound.#4
6-Dec-93	2:05 PM	109.10	472.73	WT	Insco Sound.#4
28-Dec-93	3:47 PM	108.96	472.87	BV	Insco Sound.#4
1-Feb-94	11:20 AM	107.37	474.46	BV	Insco Sound.#4
25-Feb-94	11:25 AM	105.92	475.91	BV	Insco Sound.#4
31-Mar-94	4:30 PM	106.27	475.56	BV	Insco Sound.#4
4-May-94	10:26 AM	105.97	475.86	BV	Insco Sound.#4
31-May-94	3:35 PM	104.68	477.15	TS	Insco Sound.#4
12-Jul-94	7:17 AM	104.45	477.38	MEP	Insco Sound.#4
12-Aug-94	10:40 AM	103.36	478.47	TS	Insco Sound.#4
19-Sep-94	11:22 AM	103.20	478.63	MEP/JT	Insco Sound.#4
27-Oct-94	11:22 AM	103.10	478.73	BV	Insco Sound.#4
21-Nov-94	2:50 PM	102.81	479.02	BV	Insco Sound.#4
26-Jan-95	7:42 AM	102.14	479.69	BV	Insco Sound.#4
22-Mar-95	9:05 AM	101.20	480.63	JST	Insco Sound.#4
3-Apr-95	11:26 AM	101.85	479.98	BV	Insco Sound.#4
23-Jun-95	7:30 AM	101.00	480.83	VM	Insco Sound.#4
7-Sep-95	11:42 AM	99.79	482.04	BV	Insco Sound.#4
30-Jan-96	3:00 PM	98.98	482.85	BV	Insco Sound.#4
21-Jan-97	12:45 PM	102.00	479.83	GAC/JST	rainwater with sheen of oil in vault
31-Jul-97		NM		GAC	No Access- Pile of soil covering well
16-Jan-98		NM		GAC/WT	No Access- Wellhead damaged
Well Abandoned 5/1/98					
Measuring Point Elevation:		581.83			

TABLE C.7
GROUNDWATER LEVEL MEASUREMENTS, WELL MW-7

<i>Date</i>	<i>Time</i>	<i>Depth (Ft BMP)</i>	<i>Elevation (Ft AMSL)</i>	<i>Measured by</i>	<i>Method, Comments</i>
3-Dec-92	7:48 AM	117.55	469.68	MP/JST	Metric Sound.#2
8-Dec-92	9:20 AM	119.61	467.62	JST/MB	Metric Sound.#2
30-Dec-92	4:29 PM	117.37	469.86	MP	Insko Sound.
28-Jan-93	8:54 AM	120.04	467.19	JW	Insko Sound.
19-Feb-93	7:51 AM	120.25	466.98	JW	Insko Sound.
18-Mar-93	8:45 AM	119.75	467.48	MB	Insko Sound.
20-Apr-93	5:04 PM	120.42	466.81	MB	Insko Sound.
7-Jun-93	12:58 PM	118.52	468.71	WT	Insko Sound.
28-Jun-93	2:48 PM	117.81	469.42	MP/JW	Insko Sound.
30-Jul-93	9:19 AM	116.72	470.51	JW	Insko Sound.#4
2-Sep-93	12:26 PM	115.78	471.45	WT	Insko Sound.#4
30-Sep-93	2:54 PM	116.30	470.93	MP/PO	Insko Sound.#4
4-Nov-93	8:53 AM	116.22	471.01	JW	Insko Sound.#4
6-Dec-93	2:51 PM	115.49	471.74	WT	Insko Sound.#4
28-Dec-93	1:45 PM	115.55	471.68	BV	Insko Sound.#4
1-Feb-94	12:00 PM	113.84	473.39	BV	Insko Sound.#4
25-Feb-94	12:05 PM	112.27	474.96	BV	Insko Sound.#4
31-Mar-94	10:40 AM	113.17	474.06	BV	Insko Sound.#4
4-May-94	11:15 AM	112.69	474.54	BV	Insko Sound.#4
31-May-94	3:22 PM	110.55	476.68	TS	Insko Sound.#4
12-Jul-94	11:24 AM	111.19	476.04	MEP	Insko Sound.#4
12-Aug-94	10:50 AM	109.63	477.60	TS	Insko Sound.#4
20-Sep-94	8:35 AM	110.00	477.23	MEP/JT	Insko Sound.#4
27-Oct-94	11:05 AM	110.03	477.20	BV	Insko Sound.#4
21-Nov-94	2:25 PM	109.82	477.41	BV	Insko Sound.#4
26-Jan-95	10:29 AM	109.32	477.91	BV	Insko Sound.#4
22-Mar-95	10:20 AM	109.50	477.73	JST	Insko Sound.#4
3-Apr-95	10:43 AM	109.28	477.95	BV	Insko Sound.#4
26-Jun-95	11:00 AM	107.58	479.65	BV	Insko Sound.#4
7-Sep-95	10:56 AM	106.82	480.41	BV	Insko Sound.#4
30-Jan-96	5:00 PM	105.70	481.53	BV	Insko Sound.#4
23-Jan-97	7:45 AM	109.25	477.98	GAC	
29-Jul-97	1:00 PM	112.62	474.61	GAC	
16-Jan-98	8:30 AM	112.43	474.80	GAC	
25-Aug-98	12:06 PM	111.94	475.29	WT	
26-Jan-99	11:10 AM	110.78	476.45	JM	
30-Apr-99	9:28 AM	110.69	476.54	BA	
19-Jul-99	4:06 PM	114.39	472.84	BA	
27-Jan-00	3:26 PM	119.50	467.73	BA	
2-Aug-00		123.84	463.39	JM	
29-Nov-00	8:00 AM	126.01	461.22	JM	
Measuring Point Elevation:		587.23			

TABLE C.8
GROUNDWATER LEVEL MEASUREMENTS, WELL MW-8

<i>Date</i>	<i>Time</i>	<i>Depth (Ft BMP)</i>	<i>Elevation (Ft AMSL)</i>	<i>Measured by</i>	<i>Method, Comments</i>
3-Dec-92	7:54 AM	118.92	466.65	MP/JST	Metric Sound.#2
8-Dec-92	9:10 AM	118.10	467.47	IST/MB	Metric Sound.#2
30-Dec-92	4:22 PM	118.52	467.05	MP	Insko Sound.
28-Jan-93	8:49 AM	118.77	466.80	JW	Insko Sound.
19-Feb-93	7:47 AM	118.95	466.62	JW	Insko Sound.
17-Mar-93	5:34 PM	119.08	466.49	MB	Insko Sound.
20-Apr-93	5:05 PM	118.85	466.72	MB	Insko Sound.
7-Jun-93	12:52 PM	116.92	468.65	WT	Insko Sound.
28-Jun-93	4:38 PM	116.05	469.52	MP/JW	Insko Sound.
30-Jul-93	9:31 AM	115.16	470.41	JW	Insko Sound.#4
2-Sep-93	12:20 PM	114.21	471.36	WT	Insko Sound.#4
30-Sep-93	4:56 PM	115.00	470.57	MP/PO	Insko Sound.#4
4-Nov-93	8:57 AM	115.06	470.51	JW	Insko Sound.#4
6-Dec-93	2:45 PM	114.46	471.11	WT	Insko Sound.#4
29-Dec-93	7:30 AM	114.47	471.10	BV	Insko Sound.#4
1-Feb-94	11:54 AM	112.53	473.04	BV	Insko Sound.#4
25-Feb-94	11:55 AM	111.00	474.57	BV	Insko Sound.#4
31-Mar-94	1:50 PM	110.38	475.19	BV	Insko Sound.#4
4-May-94	11:05 AM	111.58	473.99	BV	Insko Sound.#4
31-May-94	3:30 PM	109.39	476.18	TS	Insko Sound.#4
12-Jul-94	2:14 PM	110.23	475.34	TS	Insko Sound.#4
12-Aug-94	11:00 AM	108.41	477.16	TS	Insko Sound.#4
20-Sep-94	10:30 AM	109.01	476.56	MEP/JT	Insko Sound.#4
27-Oct-94	10:58 AM	109.05	476.52	BV	Insko Sound.#4
21-Nov-94	2:20 PM	108.83	476.74	BV	Insko Sound.#4
26-Jan-95	1:58 PM	108.20	477.37	BV	Insko Sound.#4
22-Mar-95	11:10 AM	108.40	477.17	IST	Insko Sound.#4
3-Apr-95	10:38 AM	108.32	477.25	BV	Insko Sound.#4
26-Jun-95	4:00 PM	106.37	479.20	BV	Insko Sound.#4
7-Sep-95	10:52 AM	105.71	479.86	BV	Insko Sound.#4
30-Jan-96	4:04 PM	104.56	481.01	BV	Insko Sound.#4
23-Jan-97	9:55 AM	107.96	477.61	GAC	
29-Jul-97	4:00 PM	111.05	474.52	GAC	
16-Jan-98	10:05 AM	110.70	474.87	GAC	
25-Aug-98	12:01 PM	110.64	474.93	WT	
26-Jan-99	2:10 PM	109.10	476.47	JM	
30-Apr-99	9:24 AM	108.87	476.70	BA	
19-Jul-99	4:01 PM	112.68	472.89	BA	
27-Jan-00	3:24 PM	117.35	468.22	BA	
2-Aug-00		122.67	462.90	JM	
29-Nov-00	10:00 AM	123.48	462.09	JM	
Measuring Point Elevation:		585.57			

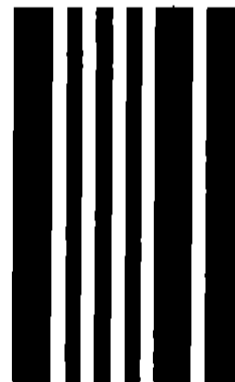
TABLE C.9
GROUNDWATER LEVEL MEASUREMENTS, WELL MW-9

<i>Date</i>	<i>Time</i>	<i>Depth (Ft BMP)</i>	<i>Elevation (Ft AMSL)</i>	<i>Measured by</i>	<i>Method, Comments</i>
8-Dec-92	9:00 AM	117.11	466.89	IST/MB	Metric Sound.#2
30-Dec-92	4:34 PM	111.01	472.99	MP	Insco Sound., possible poor measurement
28-Jan-93	7:56 AM	117.42	466.58	JW	Insco Sound.
19-Feb-93	7:08 AM	117.45	466.55	JW	Insco Sound.
18-Mar-93	10:56 AM	117.70	466.30	MB	Insco Sound.
20-Apr-93	4:47 PM	117.51	466.49	MB	Insco Sound.
7-Jun-93	12:25 PM	115.51	468.49	WT	Insco Sound.
29-Jun-93	8:46 AM	114.72	469.28	MP/JW	Insco Sound.
30-Jul-93	9:15 AM	113.74	470.26	JW	Insco Sound.#4
2-Sep-93	11:30 AM	111.63	472.37	WT	Insco Sound.#4, possible poor measurement.
1-Oct-93	9:51 AM	110.88	473.12	MP/PO	Insco Sound.#4, possible poor measurement
4-Nov-93	9:34 AM	113.65	470.35	JW	Insco Sound.#4
8-Dec-93	3:25 PM	113.47	470.53	WT	Insco Sound.#4
30-Dec-93	1:10 PM	112.96	471.04	BV	Insco Sound.#4
1-Feb-94	12:14 PM	110.99	473.01	BV	Insco Sound.#4
25-Feb-94	12:30 PM	109.36	474.64	BV	Insco Sound.#4
13-Apr-94	12:15 PM	110.35	473.65	BV	Insco Sound.#4
4-May-94	11:30 AM	110.07	473.93	BV	Insco Sound.#4
31-May-94	4:10 PM	107.72	476.28	TS	Insco Sound.#4
13-Jul-94	6:09 AM	108.61	475.39	MEP	Insco Sound.#4
12-Aug-94	11:35 AM	106.75	477.25	TS	Insco Sound.#4
21-Sep-94	8:15 AM	107.39	476.61	MEP/JT	Insco Sound.#4
27-Oct-94	10:48 AM	107.39	476.61	BV	Insco Sound.#4
21-Nov-94	2:05 PM	107.25	476.75	BV	Insco Sound.#4
27-Jan-95	2:50 PM	106.62	477.38	BV	Insco Sound.#4
22-Mar-95	5:02 PM	106.70	477.30	JST	Insco Sound.#4
3-Apr-95	10:54 AM	106.80	477.20	BV	Insco Sound.#4
23-Jun-95	2:00 PM	105.10	478.90	VM	Insco Sound.#4
7-Sep-95	11:09 AM	104.50	479.50	BV	Insco Sound.#4
31-Jan-96	1:43 PM	102.73	481.27	BV	Insco Sound.#4
21-Jan-97	1:12 PM	106.38	477.62	GAC	
31-Jul-97	4:00 PM	109.14	474.86	GAC	
19-Jan-98	11:29 AM	109.11	474.89	GAC	
25-Aug-98	11:38 AM	109.01	474.99	WT	
29-Jan-99	7:56 AM	107.64	476.36	JM	
9-Feb-99	3:00 PM	107.03	476.97	BA	
30-Apr-99	9:33 AM	108.06	475.94	BA	
19-Jul-99	4:16 PM	111.02	472.98	BA	
28-Jan-00	4:46 PM	115.65	468.35	BA	
2-Aug-00		121.25	462.75	JM	
30-Nov-00	8:00 AM	121.72	462.28	JM	
Measuring Point Elevation:		584.00			

TABLE C.10
GROUNDWATER LEVEL MEASUREMENTS, WELL MW-10

<i>Date</i>	<i>Time</i>	<i>Depth (Ft BMP)</i>	<i>Elevation (Ft AMSL)</i>	<i>Measured by</i>	<i>Method, Comments</i>
10-Dec-92	11:25 AM	116.54	467.68	JST/MB	Metric Sound.#2
30-Dec-92	4:16 PM	117.25	466.97	MP	Insco Sound.
28-Jan-93	8:44 AM	117.42	466.80	JW	Insco Sound.
19-Feb-93	7:42 AM	117.43	466.79	JW	Insco Sound.
17-Mar-93	2:07 PM	117.67	466.55	MB	Insco Sound.
20-Apr-93	4:57 PM	117.76	466.46	MB	Insco Sound.
7-Jun-93	12:43 PM	115.64	468.58	WT	Insco Sound.
29-Jun-93	6:26 AM	114.93	469.29	MP/JW	Insco Sound.
30-Jul-93	9:35 AM	114.14	470.08	JW	Insco Sound.#4
2-Sep-93	12:15 PM	113.02	471.20	WT	Insco Sound.#4
1-Oct-93	6:26 AM	113.82	470.40	MP/PO	Insco Sound.#4
4-Nov-93	9:01 AM	114.15	470.07	JW	Insco Sound.#4
6-Dec-93	2:40 PM	113.38	470.84	WT	Insco Sound.#4
29-Dec-93	3:40 PM	113.34	470.88	BV	Insco Sound.#4
1-Feb-94	11:45 AM	111.48	472.74	BV	Insco Sound.#4
25-Feb-94	11:45 AM	109.95	474.27	BV	Insco Sound.#4
12-Apr-94	11:00 AM	111.03	473.19	BV	Insco Sound.#4
4-May-94	11:00 AM	110.76	473.46	BV	Insco Sound.#4
31-May-94	3:55 PM	108.76	475.46	TS	Insco Sound.#4
12-Jul-94	4:50 PM	109.45	474.77	MEP	Insco Sound.#4
12-Aug-94	11:05 AM	107.53	476.69	TS	Insco Sound.#4
20-Sep-94	1:15 PM	108.15	476.07	MEP/JT	Insco Sound.#4
27-Oct-94	10:55 AM	108.17	476.05	BV	Insco Sound.#4
21-Nov-94	2:15 PM	107.99	476.23	BV	Insco Sound.#4
26-Jan-95	4:15 PM	107.37	476.85	BV	Insco Sound.#4
22-Mar-95	12:54 PM	107.50	476.72	JST	Insco Sound.#4
3-Apr-95	10:30 AM	107.47	476.75	BV	Insco Sound.#4
27-Jun-95	1:00 PM	105.55	478.67	BV	Insco Sound.#4
7-Sep-95	10:48 AM	104.83	479.39	BV	Insco Sound.#4
31-Jan-96	7:44 AM	103.48	480.74	BV	Insco Sound.#4
23-Jan-97	11:48 AM	106.93	477.29	GAC	
30-Jul-97	8:00 AM	109.80	474.42	GAC	
16-Jan-98	12:46 PM	109.58	474.64	GAC	
25-Aug-98	11:54 AM	109.70	474.52	WT	
28-Jan-99	8:07 AM	108.13	476.09	JM	
30-Apr-99	9:20 AM	107.79	476.43	BA	
19-Jul-99	3:53 PM	111.21	473.01	BA	
27-Jan-00	7:20 PM	115.96	468.26	BA	
2-Aug-00		121.12	463.10	JM	
29-Nov-00	12:00 PM	122.45	461.77	JM	
Measuring Point Elevation:		584.22			

APPENDIX D
GROUNDWATER SAMPLING FORMS - NOVEMBER 2000



TARGET CARD N0.7

**CHANGE TO DUPLEX MODE,
FROM NEXT DOCUMENT**

CAUTION

1. Do not photocopy this Target Card.
2. Replace this card when it gets dirty.



HYDRO GEO CHEM, INC.

Groundwater Sampling Form

Well No: MW-1
Project Name/Number: ZERO - 46505 Date: 11/30/00
Recorder/Sampler: [Signature]

WELL INFORMATION

TD of Casing Diameter ("d", in.): 4 Screened Interval (ft) From: To:
Well/Packer Depth ("a", ft): 148.7 Depth to Water ("b", ft): 122.08
Wetted Casing Volume: $(a - b) \cdot d^2 \cdot 0.0408 =$ 7.3 Gallons

PURGE INFORMATION AND FIELD MEASUREMENTS

Time Started: 11:00 Time Completed: 14:00 Total Purge Time: 3:00
Purge Method: Pump Pump Setting: 137 Total Purge Volume: 220

Actual or Elapsed Time (Min)	Extraction Rate/Vol	Temp (°C/°F)	Conductivity (µmhos/cm)	pH	Turbidity (NTUs)	Notes
11:15	1.5	72.2	3.68	6.70	209	CLOUDY
11:30	"	72.4	3.77	7.14	123	"
11:45	" 1.0	72.6	3.61	6.88	63.4	CLEAR
12:45	" .5	74.1	3.53	6.90	126.	CLOUDY
1:15	"	75.4	3.57	6.87	48.1	CLEAR
2:00	"	75.5	3.60	7.08	18.6	

SAMPLING INFORMATION AND SAMPLE RECORD

Time Started: 14:05 Time Completed: 17:05
Sampling Method, Type of Sampling Pump or Bailor: bailor

Sample No	Time	Container Type	Volume	No of Containers	Analysis Method	Preservative	Notes
MW-4	14:05	WCA	40	3	524.2	yes	
MW-9	14:05	number	1000	1	8270	no	

QUALITY CONTROL SAMPLE RECORD

Orig. Sample No	Type	QC Sample No	Time

HYDRO GEO CHEM, INC.

Groundwater Sampling Form

Project Name/Number: ZERO - 46505

Well No: MW-2

Date: 11/30/00

Recorder/Sampler: [Signature]

WELL INFORMATION

Casing Diameter ("d", in.): 4 Screened Interval (ft) From: To:
Well/Packer Depth ("a", ft): 157.72 Depth to Water ("b", ft): 118.22
Wetted Casing Volume: $(a - b) \cdot d^2 \cdot 0.0408 =$ 133 Gallons

PURGE INFORMATION AND FIELD MEASUREMENTS

Time Started: 14:30 Time Completed: 16:20 Total Purge Time: 1:50
Purge Method: down the hole pump Pump Setting: 133 Total Purge Volume: 110

Actual or Elapsed Time (Min)	Extraction Rate/Vol	Temp (°C/°F)	Conductivity (µmhos/cm)	pH	Turbidity (NTUs)	Notes
2:45	1.5	73.5	0.79	7.42	100.1	CLOUDY
3:00	1.5	72.5	0.84	7.59	91.4	"
3:30	1.5	72.6	0.97	7.49	56.0	CLEAR
3:45	1.5	72.1	0.75	7.02	31.2	
4:15	1.5	70.2	0.75	7.48	18.0	clear

SAMPLING INFORMATION AND SAMPLE RECORD

Time Started: 16:40 Time Completed: 16:40
Sampling Method, Type of Sampling Pump or Bailer: bailer

Sample No	Time	Container Type	Volume	No of Containers	Analysis Method	Preservative	Notes
MW-2	16:40	VOA	40	3	824-2	yes	
MW-2	16:40	amber	1000	1	8270	no	

QUALITY CONTROL SAMPLE RECORD

Orig. Sample No	Type	QC Sample No	Time

HYDRO GEO CHEM, INC.

Groundwater Sampling Form

Project Name/Number: ZERO - 46505Well No: MW-3Date: 12/1/00Recorder/Sampler: [Signature]

WELL INFORMATION

Casing Diameter ("d", in.): 4 Screened Interval (ft) From: --- To: ---
TO # Well/Packer Depth ("a", ft): 156.05 Depth to Water ("b", ft): 114.12
Wetted Casing Volume: $(a - b) \cdot d^2 \cdot 0.0408 =$ 27.4 Gallons

PURGE INFORMATION AND FIELD MEASUREMENTS

Time Started: 8:15 Time Completed: 10:15 Total Purge Time: 2:00
Purge Method: Submers. Pump Setting: 129 Total Purge Volume: 110

Actual or Elapsed Time (Min)	Extraction Rate/Vol	Temp (°C/°F)	Conductivity ^{x1000} (µmhos/cm)	pH	Turbidity (NTUs)	Notes
8:30	1.5	65.1	1.20	6.01	85.3	
8:45	"	67.8	0.82	6.78	90.0	
9:00	0.5	68.3	0.90	6.89	122.0	
9:15	"	71.2	0.92	7.16	106.0	
9:30	"	72.1	0.87	7.26	75.0	
9:45	"	71.9	0.85	7.27	67.5	
10:00	"	70.9	0.81	7.24	69.1	
10:05	"	70.9	0.81	7.21	16.2	
10:15	"	70.8	0.84	7.26	9.8	

SAMPLING INFORMATION AND SAMPLE RECORD

Time Started: 10:25 Time Completed: 10:30
Sampling Method, Type of Sampling Pump or Bailer: Bailer

Sample No	Time	Container Type	Volume	No of Containers	Analysis Method	Preservative	Notes
MW-3	10:25	amber	6000	1	8270	no	
MW-3	10:25	amber	40	3	524.2	yes	
MW-13	10:30	amber	1000	1	8270	no	
MW-13	10:30	amber	40	3	524.2	yes	3 duplicates

QUALITY CONTROL SAMPLE RECORD

Orig. Sample No	Type	QC Sample No	Time
	Duplicates		

HYDRO GEO CHEM, INC.

Groundwater Sampling Form

Project Name/Number: ZERO - 46505

Well No: MW-4

Date: 11/28/00

Recorder/Sampler: [Signature]

WELL INFORMATION

Casing Diameter ("d", in.): 4

Screened Interval (ft) From: _____ To: _____

TO of Well/Packer Depth ("a", ft): 150.25

Depth to Water ("b", ft): 122.35

Wetted Casing Volume: $(a - b) \cdot d^2 \cdot 0.0408 =$

18.2

Gallons

TD = 150.25

PURGE INFORMATION AND FIELD MEASUREMENTS

Time Started: 10:40

Time Completed: 13:00

Total Purge Time: 2:20

Purge Method: _____

Pump Setting: 135

Total Purge Volume: 105

Actual or Elapsed Time (Min)	Extraction Rate/Vol	Temp (°C/°F)	Conductivity (µmhos/cm)	pH	Turbidity (NTUs)	Notes
10:45	1.3 gpm	73.0	740	7.27	2.05	
12:00	"	72.8	3.16	7.28	78.5	SLIGHT CLOUDY
12:15		73.0	3.10	7.90	52.9	CLEAR
12:30		73.1	3.19	7.95	62.2	"
11:37	1.0	73.3	3.19	7.92	45.0	"
12:00		73.5	3.16	7.93	39.6	"
12:15		75.3	3.20	7.93	29.5	
12:45		75.5	3.24	7.95	19.1	
13:00					16.0	

SAMPLING INFORMATION AND SAMPLE RECORD

Time Started: ~~10:45~~ 13:05 14:45

Time Completed: ~~12:05~~ 14:45

Sampling Method, Type of Sampling Pump or Bailer: Bailer

Sample No	Time	Container Type	Volume mls	No of Containers	Analysis Method	Preservative	Notes
MW-4	13:05	VOA's	40	3	824.2	yes	
MW-4	13:05	amber	1000	1	8270m	no	

QUALITY CONTROL SAMPLE RECORD

Orig. Sample No	Type	QC Sample No	Time

HYDRO GEO CHEM, INC.

Groundwater Sampling Form

Project Name/Number: ZERO - 46505

Well No: MW-5

Date: 11/28/00

Recorder/Sampler: [Signature]

WELL INFORMATION

Casing Diameter ("d", in.): 4 Screened Interval (ft) From: _____ To: _____

TO Well/Packer Depth ("a", ft): 154.5 Depth to Water ("b", ft): 121.73

Wetted Casing Volume: $(a - b) \cdot d^2 \cdot 0.0408 =$ 21.4 Gallons

PURGE INFORMATION AND FIELD MEASUREMENTS

Time Started: 14:05 Time Completed: 16:15 Total Purge Time: 2:10

Purge Method: Submersible pump Pump Setting: 135 Total Purge Volume: 165 gallons

Actual or Elapsed Time (Min)	Extraction Rate/Vol	Temp (°C/°F)	Conductivity (µmhos/cm)	pH	Turbidity (NTUs)	Notes
2:30	1.5 GPM	75.0	3.31	6.09	72.0	CLOUDY
2:45	"	71.4	3.28	7.43	45.9	CLEAR
3:15	"	71.5	3.07	7.96	33.1	"
3:45	"	71.3	3.03	7.93	19.2	"
4:15	"	71.0	3.04	7.83	10.61	"

SAMPLING INFORMATION AND SAMPLE RECORD

Time Started: 16:15 Time Completed: 16:17

Sampling Method, Type of Sampling Pump or Bailer: bailer

Sample No	Time	Container Type	Volume	No of Containers	Analysis Method	Preservative	Notes
MW-5	16:16	VOA	40	3	524.2	yes	
MW-5	16:16	amber	1000	1	8270m	no	
MW-15	16:17	VOA	40	3	524.2	yes	
MW-15	16:17	amber	1000	1	8270m	no	Duplicate Duplicate

QUALITY CONTROL SAMPLE RECORD

Orig. Sample No	Type	QC Sample No	Time

HYDRO GEO CHEM, INC.

Groundwater Sampling Form

Project Name/Number: ZERO - 46505

Well No: MW-7

Date: 11/29/00

Recorder/Sampler: [Signature]

WELL INFORMATION

Casing Diameter ("d", in.): 4

Screened Interval (ft) From: — To: —

TD of Well/Packer Depth ("a", ft): 155.83

Depth to Water ("b", ft): 126.01

Wetted Casing Volume: $(a - b) \cdot d^2 \cdot 0.0408 =$ 19.5 Gallons

PURGE INFORMATION AND FIELD MEASUREMENTS

Time Started: 8:00

Time Completed: 9:20

Total Purge Time: 1:20

Purge Method: submer

Pump Setting: 138

Total Purge Volume: 120

Actual or Elapsed Time (Min)	Extraction Rate/Vol	Temp (°C/°F)	Conductivity ^{x1000} (µmhos/cm)	pH	Turbidity (NTUs)	Notes
8:15	1.5 GPM	68.1	1.27	7.32	78.7	LT BRN
8:30	"	69.5	1.37	7.57	76.8	SIGHT CLOUDY
9:00	"	67.6	1.30	8.00	20.7	" "
9:15	1.5	70.2	0.88	8.03	9.86	clear

SAMPLING INFORMATION AND SAMPLE RECORD

Time Started: 9:31

Time Completed: 9:41

Sampling Method, Type of Sampling Pump or Bailer: bailer

Sample No	Time	Container Type	Volume	No of Containers	Analysis Method	Preservative	Notes
MW-7	9:31	UDA	40	3	524.2	no	
MW-7	9:31	amber	1000	1	8270	no	

QUALITY CONTROL SAMPLE RECORD

Orig. Sample No	Type	QC Sample No	Time

Groundwater Sampling Form

Project Name/Number: **ZERO - 46505**

Date: 11/22/00

Recorder/Sampler:

Casing Diameter ("d", in.): 4 Screened Interval (ft) From: _____ To: _____
Well/Probe Depth ("a", ft): 154.70 Depth to Water ("b", ft): 123.48
Wetted Casing Volume: $(a - b) \cdot d^2 \cdot 0.0408 =$ 20.38 Gallons

Time Started: 10:00 Time Completed: 11:20 Total Purge Time: 1:20
Purge Method: Submer Pump Setting: 138 Total Purge Volume: 115

SAMPLING INFORMATION AND SAMPLE RECORD

Time Started: 11:35 Time Completed: 11:35
Sampling Method, Type of Sampling Pump or Bailer: bailer

QUALITY CONTROL SAMPLE RECORD

Orig. Sample No	Type	QC Sample No	Time

HYDRO GEO CHEM, INC.

Groundwater Sampling Form

Well No: MW-9Project Name/Number: ZERO - 46505Date: 11/30/00Recorder/Sampler: [Signature]

WELL INFORMATION

Casing Diameter ("d", in.): 4 Screened Interval (ft) From: _____ To: _____TD of Well/Packer Depth ("a", ft): 152.70 Depth to Water ("b", ft): 121.72Wetted Casing Volume: $(a - b) \cdot d^2 \cdot 0.0408 =$ 20.2 Gallons

PURGE INFORMATION AND FIELD MEASUREMENTS

Time Started: 8:00 Time Completed: 10:15 Total Purge Time: 2:15Purge Method: Pump Pump Setting: 137 Total Purge Volume: 20.2

Actual or Elapsed Time (Min)	Extraction Rate/Vol	Temp (°C/°F)	Conductivity (µmhos/cm)	pH	Turbidity (NTUs)	Notes
8:15	1.5 GPM	68.5	3.01	6.35	57.4	SLIGHTLY CLOUDY
8:30	"	69.7	2.11	7.41	66.7	"
8:45	"	70.6	2.16	9.41	32.6	CLEAR
9:30	"	69.4	2.12	7.15	31.9	"
9:45	1.0 GPM	70.4	1.80	6.29	42.0	"
10:00		71.1	1.73	6.32	26.0	"
10:15		71.4	1.76	6.37	9.8	"

SAMPLING INFORMATION AND SAMPLE RECORD

Time Started: 10:18 Time Completed: 10:18Sampling Method, Type of Sampling Pump or Bailer: bailer

Sample No	Time	Container Type	Volume	No of Containers	Analysis Method	Preservative	Notes
MW-9	10:18	HOA	40	3	524.7	yes	
MW-9	10:18	unlabeled	1000	1	8270	no	

QUALITY CONTROL SAMPLE RECORD

Orig. Sample No	Type	QC Sample No	Time

HYDRO GEO CHEM, INC.**Groundwater Sampling Form**Project Name/Number: **ZERO - 46505**Well No: **MW-10**Date: **11/29/00**Recorder/Sampler: **92****WELL INFORMATION**

Casing Diameter ("d", in.): **4** Screened Interval (ft) From: _____ To: _____
 Well/Packer Depth ("a", ft): **155.80** Depth to Water ("b", ft): **122.45**
 Wetted Casing Volume: $(a - b) \cdot d^2 \cdot 0.0408 =$ **195.21.8** Gallons

PURGE INFORMATION AND FIELD MEASUREMENTS

Time Started: **12:00** Time Completed: **15:15** Total Purge Time: **3:15**
 Purge Method: **submer** Pump Setting: **137** Total Purge Volume: **180**

Actual or Elapsed Time (Min)	Extraction Rate/Vol	Temp ("C/F)	Conductivity (μ mhos/cm)	pH	Turbidity (NTUs)	Notes
12:15	1.5 Gpm	70.6	1.65	7.94	286	LT BRN
12:30	"	71.0	2.33	7.06	1001	BRN
1:00	"	71.4	1.53	6.63	163	CLOUDY
1:15	1.0 Gpm	71.3	1.85	7.02	159	"
1:30	"	72.1	1.55	6.78	110	CLEAR
1:45	0.5 Gpm	71.6	1.99	7.04	53.5	"
2:15	"	73.4	1.67	6.96	46.4	"
3:15	"	73.3	1.69	6.97	15.8	"

SAMPLING INFORMATION AND SAMPLE RECORD

Time Started: **15:30** Time Completed: **15:35**
 Sampling Method, Type of Sampling Pump or Bailer: **Bailer**

Sample No	Time	Container Type	Volume	No of Containers	Analysis Method	Preservative	Notes
MW-10	15:30	VOA	40	3	924.2	yes	
MW-10	15:30	amber	1000	1	9276	no	
MW-110	15:35	VOA	40	3	924.2	yes	2 duplicates
MW-110	15:35	amber	1000	1	9270	no	

QUALITY CONTROL SAMPLE RECORD

Orig. Sample No	Type	QC Sample No	Time
	Duplicates		

APPENDIX E

**CHEMICAL ANALYSIS REPORTS FOR GROUNDWATER SAMPLING -
NOVEMBER 2000**



Weck Laboratories, Inc.

Environmental and Analytical Services - Since 1964

Report Date: Thursday, December 21, 2000

Received Date: Friday, December 01, 2000

Log By: tn

Log Time: 13:54

Client: Hydro Geo Chem, Inc.
51 West Wetmore, Suite 101
Tucson, AZ 85705

Phone: (520) 293-1500

FAX: (520) 293-1550

Attn.: John Ward

Project: 46500 Zero

P.O. #:

Turnaround Time: Normal

CERTIFICATE OF ANALYSIS

Lab#: A008446-004
Sampled By: John M.

Sample ID: MW-1
Date: 11/30/00

Time: 14:05

Matrix: Water

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed	Worksheet #
<i>Prep. Method: P&T</i>								
Dichlorodifluoromethane	ND		ug/L	1	1.0	EPA 524.2	12/14/00 rt	WS20484
Chloromethane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Vinyl chloride	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Bromomethane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Chloroethane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Trichlorofluoromethane (Freon 11)	ND		ug/L	1	5.0	EPA 524.2	12/14/00 rt	WS20484
Trichlorotrifluoroethane (Freon 113)	ND		ug/L	1	10	EPA 524.2	12/14/00 rt	WS20484
1,1-Dichloroethene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Methylene chloride (Dichloromethane)	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
trans-1,2-Dichloroethene	0.55		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Methyl tert-Butyl Ether	ND		ug/L	1	1.0	EPA 524.2	12/14/00 rt	WS20484
1,1-Dichloroethane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
2-Butanone (Methyl ethyl ketone)	ND		ug/L	1	5.0	EPA 524.2	12/14/00 rt	WS20484
2,2-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
cis-1,2-Dichloroethene	3.2		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Bromochloromethane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Chloroform	8.0		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
1,1,1-Trichloroethane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Carbon tetrachloride	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
1,1-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Benzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
1,2-Dichloroethane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Trichloroethene (TCE)	1800		ug/L	100	50	EPA 524.2	12/14/00 rt	WS20484
1,2-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Dibromomethane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Bromodichloromethane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
cis-1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
4-Methyl-2-pentanone (MIBK)	ND		ug/L	1	5.0	EPA 524.2	12/14/00 rt	WS20484
2-Chloroethylvinyl ether	ND		ug/L	1	1.0	EPA 524.2	12/14/00 rt	WS20484
Toluene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
trans-1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484

Lab#: A008446

Page 1 of 3

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(626) 336-2139

FAX (626) 336-2634

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Weck Laboratories, Inc.

Environmental and Analytical Services - Since 1964

Client: Hydro Geo Chem, Inc.

Project Name: 46500 Zero

Report Date: Thursday, December 21, 2000

CERTIFICATE OF ANALYSIS

Lab#: A008446-004

Sample ID: MW-1

Matrix: Water

Sampled By: John M.

Date: 11/30/00

Time: 14:05

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed	Worksheet #
1,1,2-Trichloroethane	1.7		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Tetrachloroethane (PCE)	11		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
1,3-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Dibromochloromethane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
1,2-Dibromoethane (EDB)	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Chlorobenzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Ethyl benzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
m/p-Xylenes	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
o-Xylene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Styrene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Bromoform	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Isopropylbenzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Bromobenzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
1,1,2,2-Tetrachloroethane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
1,2,3-Trichloropropane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
n-Propyl benzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
2-Chlorotoluene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
4-Chlorotoluene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
1,3,5-Trimethylbenzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
tert-Butyl benzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
1,2,4-Trimethylbenzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
bis(2-Chloroethyl) Ether	ND		ug/L	1	5.0	EPA 524.2	12/14/00 rt	WS20484
sec-Butylbenzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
1,3-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
4-isopropyltoluene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
1,4-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
1,2-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
n-Butylbenzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
1,2-Dibromo-3-chloropropane (DBCP)	ND		ug/L	1	1.0	EPA 524.2	12/14/00 rt	WS20484
1,2,4-Trichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Hexachlorobutadiene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Naphthalene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
1,2,3-Trichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Total 1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Tert-amyl Methyl Ether	ND		ug/L	1	3.0	EPA 524.2	12/14/00 rt	WS20484
Ethyl tert-Butyl Ether	ND		ug/L	1	3.0	EPA 524.2	12/14/00 rt	WS20484
1,1,1,2-Tetrachloroethane	ND		ug/L	1	0.5	EPA 524.2	12/14/00 rt	WS20484
Prep. Method: EPA 3510C								
1,4-Dioxane	ND		ug/L	1	2.0	EPA 8270M	12/7/00 bn	WS20227

Lab#: A008446

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Weck Laboratories, Inc.

Environmental and Analytical Services - Since 1964

Client: Hydro Geo Chem, Inc.

Report Date: Thursday, December 21, 2000

Project Name: 46500 Zero

CERTIFICATE OF ANALYSIS

Authorized Signature

Flags for Data Qualifiers:

- B = Compound detected in the blank. Sample result equal or less than 10 times the concentration in the blank.
- J = Estimated value, detected but below the reporting limit.
- H = Estimated value, result over the calibration range
- R = Result is suspect, LCS recovery greater than the upper control limit.
- L = Result is suspect, LCS recovery lower than the control limit.
- Q = QC result out of acceptance limits.
- T = Trace detection, detected but below the reporting limit.

ELAP # 1132
LACSD # 10143
AZ0526

Notes:

- Any remaining sample(s) for testing will be disposed of one month from the final report date unless other arrangements are made in advance.
- All results are expressed on wet weight basis unless specified.
- RL = Reporting Limit.
- ND = Not detected, below the reporting limit.
- Sub = Subcontracted analysis, original report enclosed.



Weck Laboratories, Inc.

Environmental and Analytical Services - Since 1964

Report Date: Thursday, December 21, 2000

Received Date: Friday, December 01, 2000

Log By: tn

Log Time: 13:54

Client: Hydro Geo Chem, Inc.
51 West Wetmore, Suite 101
Tucson, AZ 85705

Phone: (520) 293-1500

FAX: (520) 293-1550

Attn.: John Ward

Project: 46500 Zero

P.O. #:

Turnaround Time: Normal

CERTIFICATE OF ANALYSIS

Lab#: A008446-005

Sample ID: MW-2

Matrix: Water

Sampled By: John M.

Date: 11/30/00

Time: 16:40

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed	Worksheet #
<i>Prep. Method: P&T</i>								
Dichlorodifluoromethane	ND		ug/L	1	1.0	EPA 524.2	12/14/00 rt	WS20484
Chloromethane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Vinyl chloride	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Bromomethane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Chloroethane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Trichlorofluoromethane (Freon 11)	ND		ug/L	1	5.0	EPA 524.2	12/14/00 rt	WS20484
Trichlorotrifluoroethane (Freon 113)	ND		ug/L	1	10	EPA 524.2	12/14/00 rt	WS20484
1,1-Dichloroethene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Methylene chloride (Dichloromethane)	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
trans-1,2-Dichloroethene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Methyl tert-Butyl Ether	ND		ug/L	1	1.0	EPA 524.2	12/14/00 rt	WS20484
1,1-Dichloroethane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
2-Butanone (Methyl ethyl ketone)	ND		ug/L	1	5.0	EPA 524.2	12/14/00 rt	WS20484
2,2-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
cis-1,2-Dichloroethene	1.4		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Bromochloromethane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Chloroform	1.7		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
1,1,1-Trichloroethane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Carbon tetrachloride	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
1,1-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Benzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
1,2-Dichloroethane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Trichloroethene (TCE)	470		ug/L	20	10.0	EPA 524.2	12/14/00 rt	WS20484
1,2-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Dibromomethane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Bromodichloromethane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
cis-1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
4-Methyl-2-pentanone (MIBK)	ND		ug/L	1	5.0	EPA 524.2	12/14/00 rt	WS20484
2-Chloroethylvinyl ether	ND		ug/L	1	1.0	EPA 524.2	12/14/00 rt	WS20484
Toluene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
trans-1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484

Lab#: A008446

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Weck Laboratories, Inc.

Environmental and Analytical Services - Since 1964

Client: Hydro Geo Chem, Inc.
Project Name: 46500 Zero

Report Date: Thursday, December 21, 2000

CERTIFICATE OF ANALYSIS

Lab#: A008446-005
Sampled By: John M.

Sample ID: MW-2
Date: 11/30/00 Time: 16:40

Matrix: Water

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed	Worksheet #
1,1,2-Trichloroethane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Tetrachloroethane (PCE)	4.3		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
1,3-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Dibromochloromethane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
1,2-Dibromoethane (EDB)	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Chlorobenzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Ethyl benzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
m/p-Xylenes	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
o-Xylene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Styrene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Bromoform	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Isopropylbenzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Bromobenzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
1,1,2,2-Tetrachloroethane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
1,2,3-Trichloropropane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
n-Propyl benzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
2-Chlorotoluene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
3-Chlorotoluene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
1,3,5-Trimethylbenzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
tert-Butyl benzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
1,2,4-Trimethylbenzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
bis(2-Chloroethyl) Ether	ND		ug/L	1	5.0	EPA 524.2	12/14/00 rt	WS20484
sec-Butylbenzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
1,3-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
4-isopropyltoluene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
1,4-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
1,2-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
n-Butylbenzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
1,2-Dibromo-3-chloropropane (DBCP)	ND		ug/L	1	1.0	EPA 524.2	12/14/00 rt	WS20484
1,2,4-Trichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Hexachlorobutadiene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Naphthalene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
1,2,3-Trichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Total 1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Tert-amyl Methyl Ether	ND		ug/L	1	3.0	EPA 524.2	12/14/00 rt	WS20484
Ethyl tert-Butyl Ether	ND		ug/L	1	3.0	EPA 524.2	12/14/00 rt	WS20484
1,1,1,2-Tetrachloroethane	ND		ug/L	1	0.5	EPA 524.2	12/14/00 rt	WS20484
Prep. Method: EPA 3510C								
1,4-Dioxane	ND		ug/L	1	2.0	EPA 8270M	12/7/00 bn	WS20227

Lab#: A008446

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Weck Laboratories, Inc.

Environmental and Analytical Services - Since 1964

Client: Hydro Geo Chem, Inc.

Report Date: Thursday, December 21, 2000

Project Name: 46500 Zero

CERTIFICATE OF ANALYSIS

Authorized Signature

ELAP # 1132
LACSD # 10143
AZ0526

Flags for Data Qualifiers:

- B = Compound detected in the blank. Sample result equal or less than 10 times the concentration in the blank.
- J = Estimated value, detected but below the reporting limit.
- H = Estimated value, result over the calibration range
- R = Result is suspect, LCS recovery greater than the upper control limit.
- L = Result is suspect, LCS recovery lower than the control limit.
- Q = QC result out of acceptance limits.
- T = Trace detection, detected but below the reporting limit.

Notes:

- Any remaining sample(s) for testing will be disposed of one month from the final report date unless other arrangements are made in advance.
- All results are expressed on wet weight basis unless specified.
- RL = Reporting Limit.
- ND = Not detected, below the reporting limit.
- Sub = Subcontracted analysis, original report enclosed.



Weck Laboratories, Inc.

Environmental and Analytical Services - Since 1964

Report Date: Thursday, December 21, 2000

Received Date: Friday, December 01, 2000

Log By: tn

Log Time: 13:54

Client: Hydro Geo Chem, Inc.
51 West Wetmore, Suite 101
Tucson, AZ 85705

Phone: (520) 293-1500

FAX: (520) 293-1550

Attn.: John Ward

Project: 46500 Zero

P.O. #:

Turnaround Time: Normal

CERTIFICATE OF ANALYSIS

Lab#: A008446-006

Sample ID: MW-3

Matrix: Water

Sampled By: John M.

Date: 12/1/00

Time: 10:30

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed	Worksheet #
<i>Prep. Method: P&T</i>								
Dichlorodifluoromethane	ND		ug/L	1	1.0 EPA 524.2		12/14/00 rt	WS20484
Chloromethane	ND		ug/L	1	0.50 EPA 524.2		12/14/00 rt	WS20484
Vinyl chloride	ND		ug/L	1	0.50 EPA 524.2		12/14/00 rt	WS20484
Bromomethane	ND		ug/L	1	0.50 EPA 524.2		12/14/00 rt	WS20484
Chloroethane	ND		ug/L	1	0.50 EPA 524.2		12/14/00 rt	WS20484
Trichlorofluoromethane (Freon 11)	ND		ug/L	1	5.0 EPA 524.2		12/14/00 rt	WS20484
Trichlorotrifluoroethane (Freon 113)	ND		ug/L	1	10 EPA 524.2		12/14/00 rt	WS20484
1,1-Dichloroethane	ND		ug/L	1	0.50 EPA 524.2		12/14/00 rt	WS20484
Methylene chloride (Dichloromethane)	ND		ug/L	1	0.50 EPA 524.2		12/14/00 rt	WS20484
trans-1,2-Dichloroethene	2.3		ug/L	1	0.50 EPA 524.2		12/14/00 rt	WS20484
Methyl tert-Butyl Ether	ND		ug/L	1	1.0 EPA 524.2		12/14/00 rt	WS20484
1,1-Dichloroethane	ND		ug/L	1	0.50 EPA 524.2		12/14/00 rt	WS20484
2-Butanone (Methyl ethyl ketone)	ND		ug/L	1	5.0 EPA 524.2		12/14/00 rt	WS20484
2,2-Dichloropropane	ND		ug/L	1	0.50 EPA 524.2		12/14/00 rt	WS20484
cis-1,2-Dichloroethene	15		ug/L	1	0.50 EPA 524.2		12/14/00 rt	WS20484
Bromochloromethane	ND		ug/L	1	0.50 EPA 524.2		12/14/00 rt	WS20484
Chloroform	1.6		ug/L	1	0.50 EPA 524.2		12/14/00 rt	WS20484
1,1,1-Trichloroethane	ND		ug/L	1	0.50 EPA 524.2		12/14/00 rt	WS20484
Carbon tetrachloride	ND		ug/L	1	0.50 EPA 524.2		12/14/00 rt	WS20484
1,1-Dichloropropene	ND		ug/L	1	0.50 EPA 524.2		12/14/00 rt	WS20484
Benzene	ND		ug/L	1	0.50 EPA 524.2		12/14/00 rt	WS20484
1,2-Dichloroethane	ND		ug/L	1	0.50 EPA 524.2		12/14/00 rt	WS20484
Trichloroethene (TCE)	310		ug/L	20	10.0 EPA 524.2		12/14/00 rt	WS20484
1,2-Dichloropropane	ND		ug/L	1	0.50 EPA 524.2		12/14/00 rt	WS20484
Dibromomethane	ND		ug/L	1	0.50 EPA 524.2		12/14/00 rt	WS20484
Bromodichloromethane	ND		ug/L	1	0.50 EPA 524.2		12/14/00 rt	WS20484
cis-1,3-Dichloropropene	ND		ug/L	1	0.50 EPA 524.2		12/14/00 rt	WS20484
4-Methyl-2-pentanone (MIBK)	ND		ug/L	1	5.0 EPA 524.2		12/14/00 rt	WS20484
2-Chloroethylvinyl ether	ND		ug/L	1	1.0 EPA 524.2		12/14/00 rt	WS20484
Toluene	ND		ug/L	1	0.50 EPA 524.2		12/14/00 rt	WS20484
trans-1,3-Dichloropropene	ND		ug/L	1	0.50 EPA 524.2		12/14/00 rt	WS20484

Lab#: A008446

Page 1 of 3

14859 East Clark Avenue, City of Industry, California 91745-1396

(626) 336-2139

FAX (626) 336-2634

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Weck Laboratories, Inc.

Environmental and Analytical Services - Since 1964

Client: Hydro Geo Chem, Inc.

Report Date: Thursday, December 21, 2000

Project Name: 46500 Zero

CERTIFICATE OF ANALYSIS

Lab#: A008446-006

Sample ID: MW-3

Matrix: Water

Sampled By: John M.

Date: 12/1/00

Time: 10:30

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed	Worksheet #
1,1,2-Trichloroethane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Tetrachloroethane (PCE)	2.4		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
1,3-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Dibromochloromethane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
1,2-Dibromoethane (EDB)	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Chlorobenzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Ethyl benzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
m/p-Xylenes	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
o-Xylene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Styrene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Bromoform	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Isopropylbenzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Bromobenzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
1,1,2,2-Tetrachloroethane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
1,2,3-Trichloropropane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
n-Propyl benzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
2-Chlorotoluene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
4-Chlorotoluene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
1,3,5-Trimethylbenzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
tert-Butyl benzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
1,2,4-Trimethylbenzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
bis(2-Chloroethyl) Ether	ND		ug/L	1	5.0	EPA 524.2	12/14/00 rt	WS20484
sec-Butylbenzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
1,3-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
4-Isopropyltoluene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
1,4-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
1,2-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
n-Butylbenzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
1,2-Dibromo-3-chloropropane (DBCP)	ND		ug/L	1	1.0	EPA 524.2	12/14/00 rt	WS20484
1,2,4-Trichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Hexachlorobutadiene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Naphthalene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
1,2,3-Trichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Total 1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Tert-amyl Methyl Ether	ND		ug/L	1	3.0	EPA 524.2	12/14/00 rt	WS20484
Ethyl tert-Butyl Ether	ND		ug/L	1	3.0	EPA 524.2	12/14/00 rt	WS20484
1,1,1,2-Tetrachloroethane	ND		ug/L	1	0.5	EPA 524.2	12/14/00 rt	WS20484
Prep. Method: EPA 3510C								
1,4-Dioxane	ND		ug/L	1	2.0	EPA 8270M	12/7/00 bn	WS20227

Lab#: A008446

Page 2 of 3

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FAX (626) 336-2634

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Weck Laboratories, Inc.

Environmental and Analytical Services - Since 1964

Client: Hydro Geo Chem, Inc.

Report Date: Thursday, December 21, 2000

Project Name: 46500 Zero

CERTIFICATE OF ANALYSIS

Operator's name

Authorized Signature

ELAP # 1132
LACSD # 10143
AZ0526

Flags for Data Qualifiers:

- B = Compound detected in the blank. Sample result equal or less than 10 times the concentration in the blank.
- J = Estimated value, detected but below the reporting limit.
- H = Estimated value, result over the calibration range
- R = Result is suspect, LCS recovery greater than the upper control limit.
- L = Result is suspect, LCS recovery lower than the control limit.
- Q = QC result out of acceptance limits.
- T = Trace detection, detected but below the reporting limit.

Notes:

- Any remaining sample(s) for testing will be disposed of one month from the final report date unless other arrangements are made in advance.
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- RL = Reporting Limit.
- ND = Not detected, below the reporting limit.
- Sub = Subcontracted analysis, original report enclosed.



Weck Laboratories, Inc.

Environmental and Analytical Services - Since 1964

Report Date: Thursday, December 21, 2000

Received Date: Friday, December 01, 2000

Log By: ln

Log Time: 13:54

Client: Hydro Geo Chem, Inc.
51 West Wetmore, Suite 101
Tucson, AZ 85705

Phone: (520) 293-1500

FAX: (520) 293-1550

Attn.: John Ward

Project: 46500 Zero

P.O. #:

Turnaround Time: Normal

CERTIFICATE OF ANALYSIS

Lab#: A008446-007

Sample ID: MW-13

Matrix: Water

Sampled By: John M.

Date: 12/1/00

Time: 10:35

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed	Worksheet #
<i>Prep. Method: P&T</i>								
Dichlorodifluoromethane	ND		ug/L	1	1.0	EPA 524.2	12/14/00 rt	WS20484
Chloromethane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Vinyl chloride	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Bromomethane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Chloroethane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Trichlorofluoromethane (Freon 11)	ND		ug/L	1	5.0	EPA 524.2	12/14/00 rt	WS20484
Trichlorotrifluoroethane (Freon 113)	ND		ug/L	1	10	EPA 524.2	12/14/00 rt	WS20484
1,1-Dichloroethene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Methylene chloride (Dichloromethane)	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
trans-1,2-Dichloroethene	2.1		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Methyl tert-Butyl Ether	ND		ug/L	1	1.0	EPA 524.2	12/14/00 rt	WS20484
1,1-Dichloroethane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
2-Butanone (Methyl ethyl ketone)	ND		ug/L	1	5.0	EPA 524.2	12/14/00 rt	WS20484
2,2-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
cis-1,2-Dichloroethene	13		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Bromochloromethane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Chloroform	1.4		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
1,1,1-Trichloroethane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Carbon tetrachloride	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
1,1-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Benzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
1,2-Dichloroethane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Trichloroethene (TCE)	280		ug/L	20	10.0	EPA 524.2	12/14/00 rt	WS20484
1,2-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Dibromomethane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Bromodichloromethane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
cis-1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
4-Methyl-2-pentanone (MIBK)	ND		ug/L	1	5.0	EPA 524.2	12/14/00 rt	WS20484
2-Chloroethylvinyl ether	ND		ug/L	1	1.0	EPA 524.2	12/14/00 rt	WS20484
Toluene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
trans-1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484

Lab#: A008446

Page 1 of 3

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(626) 336-2139

FAX (626) 336-2634

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Weck Laboratories, Inc.

Environmental and Analytical Services - Since 1964

Client: Hydro Geo Chem, Inc.
Project Name: 46500 Zero

Report Date: Thursday, December 21, 2000

CERTIFICATE OF ANALYSIS

Lab#: A008446-007
Sampled By: John M.

Sample ID: MW-13
Date: 12/1/00

Time: 10:35

Matrix: Water

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed	Worksheet #
1,1,2-Trichloroethane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Tetrachloroethene (PCE)	2.1		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
1,3-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Dibromochloromethane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
1,2-Dibromoethane (EDB)	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Chlorobenzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Ethyl benzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
m/p-Xylenes	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
o-Xylene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Styrene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Bromoform	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Isopropylbenzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Bromobenzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
1,1,2,2-Tetrachloroethane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
1,2,3-Trichloropropane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
n-Propyl benzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
o-Chlorotoluene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
p-Chlorotoluene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
1,3,5-Trimethylbenzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
tert-Butyl benzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
1,2,4-Trimethylbenzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
bis(2-Chloroethyl) Ether	ND		ug/L	1	5.0	EPA 524.2	12/14/00 rt	WS20484
sec-Butylbenzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
1,3-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
4-Isopropyltoluene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
1,4-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
1,2-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
n-Butylbenzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
1,2-Dibromo-3-chloropropane (DBCP)	ND		ug/L	1	1.0	EPA 524.2	12/14/00 rt	WS20484
1,2,4-Trichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Hexachlorobutadiene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Naphthalene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
1,2,3-Trichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Total 1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Tert-amyl Methyl Ether	ND		ug/L	1	3.0	EPA 524.2	12/14/00 rt	WS20484
Ethyl tert-Butyl Ether	ND		ug/L	1	3.0	EPA 524.2	12/14/00 rt	WS20484
1,1,1,2-Tetrachloroethane	ND		ug/L	1	0.5	EPA 524.2	12/14/00 rt	WS20484
Prep. Method: EPA 3510C								
1,4-Dioxane	ND		ug/L	1	2.0	EPA 8270M	12/7/00 bn	WS20227

Lab#: A008446

Page 2 of 3

14859 East Clark Avenue, City of Industry, California 91745-1396

(626) 336-2139

FAX (626) 336-2634

www.wecklabs.com

Client: Hydro Geo Chem, Inc.

Project Name: 46500 Zero

Report Date: *Thursday, December 21, 2000*

CERTIFICATE OF ANALYSIS

Flags for Data Qualifiers:

B = Compound detected in the blank. Sample result equal or less than 10 times the concentration in the blank.

J = Estimated value, detected but below the reporting limit.

H = Estimated value, result over the calibration range

R = Result is suspect, LCS recovery greater than the upper control limit.

L = Result is suspect, LCS recovery lower than the control limit.

Q = QC result out of acceptance limits.

T = Trace detection, detected but below the reporting limit.

ELAP # 1132

LACSD # 10143

AZ0526

Notes:

Any remaining sample(s) for testing will be disposed of one month from the final report date unless other arrangements are made in advance.
All results are expressed on wet weight basis unless specified.

All results are expressed on wet weight basis unless specified.

RL = Reporting Limit.

ND = Not detected, below the reporting limit.

Sub = Subcontracted analysis, original report enclosed.



Weck Laboratories, Inc.

Environmental and Analytical Services - Since 1964

Report Date: Tuesday, December 26, 2000

Received Date: Wednesday, November 29, 2000

Log By: mr

Log Time: 13:07

Client: Hydro Geo Chem, Inc.
51 West Wetmore, Suite 101
Tucson, AZ 85705

Phone: (520) 293-1500

FAX: (520) 293-1550

Attn.: John Ward

Project: Zero

P.O. #: 46500

Turnaround Time: Normal

CERTIFICATE OF ANALYSIS

Lab#: A008393-001

Sample ID: MW-4

Matrix: Ground Water

Sampled By: Client

Date: 11/28/00

Time: 14:45

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed	Worksheet #
<i>Prep. Method: P&T</i>								
Dichlorodifluoromethane	ND		ug/L	1	1.0 EPA 524.2		12/1/00 rt	WS20226
Chloromethane	ND		ug/L	1	0.50 EPA 524.2		12/1/00 rt	WS20226
Vinyl chloride	ND		ug/L	1	0.50 EPA 524.2		12/1/00 rt	WS20226
Bromomethane	ND		ug/L	1	0.50 EPA 524.2		12/1/00 rt	WS20226
Chloroethane	ND		ug/L	1	0.50 EPA 524.2		12/1/00 rt	WS20226
Trichlorofluoromethane (Freon 11)	ND		ug/L	1	5.0 EPA 524.2		12/1/00 rt	WS20226
Trichlorotrifluoroethane (Freon 113)	ND		ug/L	1	10 EPA 524.2		12/1/00 rt	WS20226
1,1-Dichloroethene	0.60		ug/L	1	0.50 EPA 524.2		12/1/00 rt	WS20226
Methylene chloride (Dichloromethane)	ND		ug/L	1	0.50 EPA 524.2		12/1/00 rt	WS20226
trans-1,2-Dichloroethene	ND		ug/L	1	0.50 EPA 524.2		12/1/00 rt	WS20226
Methyl tert-Butyl Ether	ND		ug/L	1	1.0 EPA 524.2		12/1/00 rt	WS20226
1,1-Dichloroethane	ND		ug/L	1	0.50 EPA 524.2		12/1/00 rt	WS20226
2-Butanone (Methyl ethyl ketone)	ND		ug/L	1	5.0 EPA 524.2		12/1/00 rt	WS20226
2,2-Dichloropropane	ND		ug/L	1	0.50 EPA 524.2		12/1/00 rt	WS20226
cis-1,2-Dichloroethene	ND		ug/L	1	0.50 EPA 524.2		12/1/00 rt	WS20226
Bromochloromethane	ND		ug/L	1	0.50 EPA 524.2		12/1/00 rt	WS20226
Chloroform	1.1		ug/L	1	0.50 EPA 524.2		12/1/00 rt	WS20226
1,1,1-Trichloroethane	ND		ug/L	1	0.50 EPA 524.2		12/1/00 rt	WS20226
Carbon tetrachloride	ND		ug/L	1	0.50 EPA 524.2		12/1/00 rt	WS20226
1,1-Dichloropropene	ND		ug/L	1	0.50 EPA 524.2		12/1/00 rt	WS20226
Benzene	ND		ug/L	1	0.50 EPA 524.2		12/1/00 rt	WS20226
1,2-Dichloroethane	ND		ug/L	1	0.50 EPA 524.2		12/1/00 rt	WS20226
Trichloroethene (TCE)	14		ug/L	1	0.50 EPA 524.2		12/1/00 rt	WS20226
1,2-Dichloropropane	ND		ug/L	1	0.50 EPA 524.2		12/1/00 rt	WS20226
Dibromomethane	ND		ug/L	1	0.50 EPA 524.2		12/1/00 rt	WS20226
Bromodichloromethane	ND		ug/L	1	0.50 EPA 524.2		12/1/00 rt	WS20226
cis-1,3-Dichloropropene	ND		ug/L	1	0.50 EPA 524.2		12/1/00 rt	WS20226
4-Methyl-2-pentanone (MIBK)	ND		ug/L	1	5.0 EPA 524.2		12/1/00 rt	WS20226
2-Chloroethylvinyl ether	ND		ug/L	1	1.0 EPA 524.2		12/1/00 rt	WS20226
Toluene	ND		ug/L	1	0.50 EPA 524.2		12/1/00 rt	WS20226
trans-1,3-Dichloropropene	ND		ug/L	1	0.50 EPA 524.2		12/1/00 rt	WS20226

Lab#: A008393

Page 1 of 3

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FAX (626) 336-2634

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Weck Laboratories, Inc.

Environmental and Analytical Services - Since 1964

Client: Hydro Geo Chem, Inc.
Project Name: Zero

Report Date: Tuesday, December 26, 2000

CERTIFICATE OF ANALYSIS

Lab#: A008393-001

Sample ID: MW-4

Matrix: Ground Water

Sampled By: Client

Date: 11/28/00

Time: 14:45

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed	Worksheet #
1,1,2-Trichloroethane	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
Tetrachloroethene (PCE)	4.0		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
1,3-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
Dibromochloromethane	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
1,2-Dibromoethane (EDB)	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
Chlorobenzene	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
Ethyl benzene	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
m/p-Xylenes	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
o-Xylene	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
Styrene	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
Bromoform	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
Isopropylbenzene	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
Bromobenzene	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
1,1,2,2-Tetrachloroethane	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
1,2,3-Trichloropropane	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
n-Propyl benzene	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
2-Chlorotoluene	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
4-Chlorotoluene	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
1,3,5-Trimethylbenzene	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
tert-Butyl benzene	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
1,2,4-Trimethylbenzene	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
bis(2-Chloroethyl) Ether	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
sec-Butylbenzene	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
1,3-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
4-Isopropyltoluene	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
1,4-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
1,2-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
n-Butylbenzene	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
1,2-Dibromo-3-chloropropane (DBCP)	ND		ug/L	1	1.0	EPA 524.2	12/1/00 rt	WS20226
1,2,4-Trichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
Hexachlorobutadiene	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
Naphthalene	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
1,2,3-Trichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
Total 1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
Tert-amyl Methyl Ether	ND		ug/L	1	3.0	EPA 524.2	12/1/00 rt	WS20226
Ethyl tert-Butyl Ether	ND		ug/L	1	3.0	EPA 524.2	12/1/00 rt	WS20226
1,1,1,2-Tetrachloroethane	ND		ug/L	1	0.5	EPA 524.2	12/1/00 rt	WS20226
Prep. Method: EPA 3510C								
1,4-Dioxane	ND		ug/L	1	2.0	EPA 8270M	12/6/00 BN	WS20107

Lab#: A008393

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Environmental and Analytical Services - Since 1964

Client: Hydro Geo Chem, Inc.

Project Name: Zero

Report Date: Tuesday, December 26, 2000

CERTIFICATE OF ANALYSIS

Authorized Signature

ELAP # 1132
LACSD # 10143
AZ0526

Flags for Data Qualifiers:

- B = Compound detected in the blank. Sample result equal or less than 5 times the concentration in the blank.
- J = Estimated value, detected but below the reporting limit.
- H = Estimated value, result over the calibration range
- R = Result is suspect, LCS recovery greater than the upper control limit.
- L = Result is suspect, LCS recovery lower than the control limit.
- Q = QC result out of acceptance limits.
- T = Trace detection, detected but below the reporting limit.

Notes:

Any remaining sample(s) for testing will be disposed of one month from the final report date unless other arrangements are made in advance.
All results are expressed on wet weight basis unless specified.
RL = Reporting Limit.
ND = Not detected, below the reporting limit.
Sub = Subcontracted analysis, original report enclosed.



Weck Laboratories, Inc.

Environmental and Analytical Services - Since 1964

Report Date: Tuesday, December 26, 2000

Received Date: Wednesday, November 29, 2000

Log By: mr

Log Time: 13:10

Client: Hydro Geo Chem, Inc.
51 West Wetmore, Suite 101
Tucson, AZ 85705

Phone: (520) 293-1500

FAX: (520) 293-1550

Attn.: John Ward

Project: Zero

P.O. #: 46500

Turnaround Time: Normal

CERTIFICATE OF ANALYSIS

Lab#: A008393-004

Sample ID: MW-5

Matrix: Ground Water

Sampled By: Client

Date: 11/28/00

Time: 16:16

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed	Worksheet #
<i>Prep. Method: P&T</i>								
Dichlorodifluoromethane	ND		ug/L	1	1.0 EPA 524.2		12/1/00 rt	WS20226
Chloromethane	ND		ug/L	1	0.50 EPA 524.2		12/1/00 rt	WS20226
Vinyl chloride	ND		ug/L	1	0.50 EPA 524.2		12/1/00 rt	WS20226
Bromomethane	ND		ug/L	1	0.50 EPA 524.2		12/1/00 rt	WS20226
Chloroethane	ND		ug/L	1	0.50 EPA 524.2		12/1/00 rt	WS20226
Trichlorofluoromethane (Freon 11)	ND		ug/L	1	5.0 EPA 524.2		12/1/00 rt	WS20226
Trichlorotrifluoroethane (Freon 113)	ND		ug/L	1	10 EPA 524.2		12/1/00 rt	WS20226
1,1-Dichloroethane	ND		ug/L	1	0.50 EPA 524.2		12/1/00 rt	WS20226
Methylene chloride (Dichloromethane)	ND		ug/L	1	0.50 EPA 524.2		12/1/00 rt	WS20226
trans-1,2-Dichloroethene	ND		ug/L	1	0.50 EPA 524.2		12/1/00 rt	WS20226
Methyl tert-Butyl Ether	ND		ug/L	1	1.0 EPA 524.2		12/1/00 rt	WS20226
1,1-Dichloroethane	ND		ug/L	1	0.50 EPA 524.2		12/1/00 rt	WS20226
2-Butanone (Methyl ethyl ketone)	ND		ug/L	1	5.0 EPA 524.2		12/1/00 rt	WS20226
2,2-Dichloropropane	ND		ug/L	1	0.50 EPA 524.2		12/1/00 rt	WS20226
cis-1,2-Dichloroethene	ND		ug/L	1	0.50 EPA 524.2		12/1/00 rt	WS20226
Bromochloromethane	ND		ug/L	1	0.50 EPA 524.2		12/1/00 rt	WS20226
Chloroform	1.4		ug/L	1	0.50 EPA 524.2		12/1/00 rt	WS20226
1,1,1-Trichloroethane	ND		ug/L	1	0.50 EPA 524.2		12/1/00 rt	WS20226
Carbon tetrachloride	ND		ug/L	1	0.50 EPA 524.2		12/1/00 rt	WS20226
1,1-Dichloropropene	ND		ug/L	1	0.50 EPA 524.2		12/1/00 rt	WS20226
Benzene	ND		ug/L	1	0.50 EPA 524.2		12/1/00 rt	WS20226
1,2-Dichloroethane	ND		ug/L	1	0.50 EPA 524.2		12/1/00 rt	WS20226
Trichloroethene (TCE)	4.8		ug/L	1	0.50 EPA 524.2		12/1/00 rt	WS20226
1,2-Dichloropropane	ND		ug/L	1	0.50 EPA 524.2		12/1/00 rt	WS20226
Dibromomethane	ND		ug/L	1	0.50 EPA 524.2		12/1/00 rt	WS20226
Bromodichloromethane	ND		ug/L	1	0.50 EPA 524.2		12/1/00 rt	WS20226
cis-1,3-Dichloropropene	ND		ug/L	1	0.50 EPA 524.2		12/1/00 rt	WS20226
4-Methyl-2-pentanone (MIBK)	ND		ug/L	1	5.0 EPA 524.2		12/1/00 rt	WS20226
2-Chloroethylvinyl ether	ND		ug/L	1	1.0 EPA 524.2		12/1/00 rt	WS20226
Toluene	ND		ug/L	1	0.50 EPA 524.2		12/1/00 rt	WS20226
trans-1,3-Dichloropropene	ND		ug/L	1	0.50 EPA 524.2		12/1/00 rt	WS20226

Lab#: A008393

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Environmental and Analytical Services - Since 1964

Client: Hydro Geo Chem, Inc.

Project Name: Zero

Report Date: Tuesday, December 26, 2000

CERTIFICATE OF ANALYSIS

Lab#: A008393-004

Sample ID: MW-5

Matrix: Ground Water

Sampled By: Client

Date: 11/28/00

Time: 16:16

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed	Worksheet #
1,1,2-Trichloroethane	ND		ug/L	1	0.50 EPA 524.2		12/1/00 rt	WS20226
Tetrachloroethene (PCE)	0.71		ug/L	1	0.50 EPA 524.2		12/1/00 rt	WS20226
1,3-Dichloropropane	ND		ug/L	1	0.50 EPA 524.2		12/1/00 rt	WS20226
Dibromochloromethane	ND		ug/L	1	0.50 EPA 524.2		12/1/00 rt	WS20226
1,2-Dibromoethane (EDB)	ND		ug/L	1	0.50 EPA 524.2		12/1/00 rt	WS20226
Chlorobenzene	ND		ug/L	1	0.50 EPA 524.2		12/1/00 rt	WS20226
Ethyl benzene	ND		ug/L	1	0.50 EPA 524.2		12/1/00 rt	WS20226
m/p-Xylenes	ND		ug/L	1	0.50 EPA 524.2		12/1/00 rt	WS20226
o-Xylene	ND		ug/L	1	0.50 EPA 524.2		12/1/00 rt	WS20226
Styrene	ND		ug/L	1	0.50 EPA 524.2		12/1/00 rt	WS20226
Bromofarm	ND		ug/L	1	0.50 EPA 524.2		12/1/00 rt	WS20226
Isopropylbenzene	ND		ug/L	1	0.50 EPA 524.2		12/1/00 rt	WS20226
Bromobenzene	ND		ug/L	1	0.50 EPA 524.2		12/1/00 rt	WS20226
1,1,2,2-Tetrachloroethane	ND		ug/L	1	0.50 EPA 524.2		12/1/00 rt	WS20226
1,2,3-Trichloropropane	ND		ug/L	1	0.50 EPA 524.2		12/1/00 rt	WS20226
n-Propyl benzene	ND		ug/L	1	0.50 EPA 524.2		12/1/00 rt	WS20226
2-Chlorotoluene	ND		ug/L	1	0.50 EPA 524.2		12/1/00 rt	WS20226
Chlorotoluene	ND		ug/L	1	0.50 EPA 524.2		12/1/00 rt	WS20226
1,3,5-Trimethylbenzene	ND		ug/L	1	0.50 EPA 524.2		12/1/00 rt	WS20226
tert-Butyl benzene	ND		ug/L	1	0.50 EPA 524.2		12/1/00 rt	WS20226
1,2,4-Trimethylbenzene	ND		ug/L	1	0.50 EPA 524.2		12/1/00 rt	WS20226
bis(2-Chloroethyl) Ether	ND		ug/L	1	0.50 EPA 524.2		12/1/00 rt	WS20226
sec-Butylbenzene	ND		ug/L	1	5.0 EPA 524.2		12/1/00 rt	WS20226
1,3-Dichlorobenzene	ND		ug/L	1	0.50 EPA 524.2		12/1/00 rt	WS20226
4-Isopropyltoluene	ND		ug/L	1	0.50 EPA 524.2		12/1/00 rt	WS20226
1,4-Dichlorobenzene	ND		ug/L	1	0.50 EPA 524.2		12/1/00 rt	WS20226
1,2-Dichlorobenzene	ND		ug/L	1	0.50 EPA 524.2		12/1/00 rt	WS20226
n-Butylbenzene	ND		ug/L	1	0.50 EPA 524.2		12/1/00 rt	WS20226
1,2-Dibromo-3-chloropropane (DBCP)	ND		ug/L	1	1.0 EPA 524.2		12/1/00 rt	WS20226
1,2,4-Trichlorobenzene	ND		ug/L	1	0.50 EPA 524.2		12/1/00 rt	WS20226
Hexachlorobutadiene	ND		ug/L	1	0.50 EPA 524.2		12/1/00 rt	WS20226
Naphthalene	ND		ug/L	1	0.50 EPA 524.2		12/1/00 rt	WS20226
1,2,3-Trichlorobenzene	ND		ug/L	1	0.50 EPA 524.2		12/1/00 rt	WS20226
Total 1,3-Dichloropropene	ND		ug/L	1	0.50 EPA 524.2		12/1/00 rt	WS20226
Tert-amyl Methyl Ether	ND		ug/L	1	3.0 EPA 524.2		12/1/00 rt	WS20226
Ethyl tert-Butyl Ether	ND		ug/L	1	3.0 EPA 524.2		12/1/00 rt	WS20226
1,1,1,2-Tetrachloroethane	ND		ug/L	1	0.5 EPA 524.2		12/1/00 rt	WS20226
Prep. Method: EPA 3510C								
1,4-Dioxane	ND		ug/L	1	2.0 EPA 8270M		12/6/00 BN	WS20107

Lab#: A008393

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Weck Laboratories, Inc.

Environmental and Analytical Services - Since 1964

Client: Hydro Geo Chem, Inc.

Project Name: Zero

Report Date: Tuesday, December 26, 2000

CERTIFICATE OF ANALYSIS

Authorized Signature

ELAP # 1132
LACSD # 10143
AZ0526

Flags for Data Qualifiers:

- B = Compound detected in the blank. Sample result equal or less than 5 times the concentration in the blank.
- J = Estimated value, detected but below the reporting limit.
- H = Estimated value, result over the calibration range.
- R = Result is suspect, LCS recovery greater than the upper control limit.
- L = Result is suspect, LCS recovery lower than the control limit.
- Q = QC result out of acceptance limits.
- T = Trace detection, detected but below the reporting limit.

Notes:

Any remaining sample(s) for testing will be disposed of one month from the final report date unless other arrangements are made in advance.
All results are expressed on wet weight basis unless specified.
RL = Reporting Limit.
ND = Not detected, below the reporting limit.
Sub = Subcontracted analysis, original report enclosed.

Lab#: A008393

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Weck Laboratories, Inc.

Environmental and Analytical Services - Since 1964

Report Date: Tuesday, December 26, 2000

Received Date: Wednesday, November 29, 2000

Log By: mr

Log Time: 13:10

Client: Hydro Geo Chem, Inc.
51 West Wetmore, Suite 101
Tucson, AZ 85705

Phone: (520) 293-1500

FAX: (520) 293-1550

Attn.: John Ward

Project: Zero

P.O. #: 46500

Turnaround Time: Normal

CERTIFICATE OF ANALYSIS

Lab#: A008393-005

Sample ID: MW-15

Matrix: Ground Water

Sampled By: Client

Date: 11/28/00

Time: 16:17

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed	Worksheet #
<i>Prep. Method: P&T</i>								
Dichlorodifluoromethane	ND		ug/L	1	1.0	EPA 524.2	12/1/00 rt	WS20226
Chloromethane	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
Vinyl chloride	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
monomethane	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
monooethane	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
Trichlorofluoromethane (Freon 11)	ND		ug/L	1	5.0	EPA 524.2	12/1/00 rt	WS20226
Trichlorotrifluoroethane (Freon 113)	ND		ug/L	1	10	EPA 524.2	12/1/00 rt	WS20226
1,1-Dichloroethene	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
Methylene chloride (Dichloromethane)	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
trans-1,2-Dichloroethene	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
Methyl tert-Butyl Ether	ND		ug/L	1	1.0	EPA 524.2	12/1/00 rt	WS20226
1,1-Dichloroethane	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
2-Butanone (Methyl ethyl ketone)	ND		ug/L	1	5.0	EPA 524.2	12/1/00 rt	WS20226
2,2-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
cis-1,2-Dichloroethene	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
Bromochloromethane	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
Chloroform	1.5		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
1,1,1-Trichloroethane	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
Carbon tetrachloride	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
1,1-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
Benzene	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
1,2-Dichloroethane	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
Trichloroethene (TCE)	4.9		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
1,2-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
Dibromomethane	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
Bromodichloromethane	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
cis-1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
4-Methyl-2-pentanone (MIBK)	ND		ug/L	1	5.0	EPA 524.2	12/1/00 rt	WS20226
2-Chloroethylvinyl ether	ND		ug/L	1	1.0	EPA 524.2	12/1/00 rt	WS20226
Toluene	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
trans-1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226

Lab#: A008393

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Weck Laboratories, Inc.

Environmental and Analytical Services - Since 1964

Client: Hydro Geo Chem, Inc.

Project Name: Zero

Report Date: Tuesday, December 26, 2000

CERTIFICATE OF ANALYSIS

Lab#: A008393-005

Sample ID: MW-15

Matrix: Ground Water

Sampled By: Client

Date: 11/28/00

Time: 16:17

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed	Worksheet #
1,1,2-Trichloroethane	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
Tetrachloroethene (PCE)	0.68		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
1,3-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
Dibromochloromethane	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
1,2-Dibromoethane (EDB)	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
Chlorobenzene	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
Ethyl benzene	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
m/p-Xylenes	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
o-Xylene	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
Styrene	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
Bromoform	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
Isopropylbenzene	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
Bromobenzene	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
1,1,2,2-Tetrachloroethane	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
1,2,3-Trichloropropane	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
n-Propyl benzene	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
2-Chlorotoluene	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
4-Chlorotoluene	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
1,3,5-Trimethylbenzene	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
tert-Butyl benzene	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
1,2,4-Trimethylbenzene	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
bis(2-Chloroethyl) Ether	ND		ug/L	1	5.0	EPA 524.2	12/1/00 rt	WS20226
sec-Butylbenzene	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
1,3-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
4-isopropyltoluene	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
1,4-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
1,2-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
n-Butylbenzene	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
1,2-Dibromo-3-chloropropane (DBCP)	ND		ug/L	1	1.0	EPA 524.2	12/1/00 rt	WS20226
1,2,4-Trichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
Hexachlorobutadiene	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
Naphthalene	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
1,2,3-Trichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
Total 1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
Tert-amyl Methyl Ether	ND		ug/L	1	3.0	EPA 524.2	12/1/00 rt	WS20226
Ethyl tert-Butyl Ether	ND		ug/L	1	3.0	EPA 524.2	12/1/00 rt	WS20226
1,1,1,2-Tetrachloroethane	ND		ug/L	1	0.5	EPA 524.2	12/1/00 rt	WS20226
Prep. Method: EPA 3510C								
1,4-Dioxane	ND		ug/L	1	2.0	EPA 8270M	12/6/00 BN	WS20107

Lab#: A008393

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Weck Laboratories, Inc.

Environmental and Analytical Services - Since 1964

Jnt: Hydro Geo Chem, Inc.

Project Name: Zero

Report Date: Tuesday, December 26, 2000

CERTIFICATE OF ANALYSIS

Authorized Signature

ELAP # 1132
LACSD # 10143
AZ0526

Flags for Data Qualifiers:

- B = Compound detected in the blank. Sample result equal or less than 5 times the concentration in the blank.
- J = Estimated value, detected but below the reporting limit.
- H = Estimated value, result over the calibration range
- R = Result is suspect, LCS recovery greater than the upper control limit.
- L = Result is suspect, LCS recovery lower than the control limit.
- Q = QC result out of acceptance limits.
- T = Trace detection, detected but below the reporting limit.

Notes:

- Any remaining sample(s) for testing will be disposed of one month from the final report date unless other arrangements are made in advance.
- All results are expressed on wet weight basis unless specified.
- RL = Reporting Limit.
- ND = Not detected, below the reporting limit.
- Sub = Subcontracted analysis, original report enclosed.



Weck Laboratories, Inc.

Environmental and Analytical Services - Since 1964

Report Date: Tuesday, December 26, 2000

Received Date: Wednesday, November 29, 2000

Log By: mr

Log Time: 13:10

Client: Hydro Geo Chem, Inc.
51 West Wetmore, Suite 101
Tucson, AZ 85705

Phone: (520) 293-1500

FAX: (520) 293-1550

Attn.: John Ward

Project: Zero

P.O. #: 46500

Turnaround Time: Normal

CERTIFICATE OF ANALYSIS

Lab#: A008393-006

Sample ID: MW-7

Matrix: Ground Water

Sampled By: Client

Date: 11/29/00

Time: 9:31

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed	Worksheet #
<i>Prep. Method: P&T</i>								
Dichlorodifluoromethane	ND		ug/L	1	1.0	EPA 524.2	12/1/00 rt	WS20226
Chloromethane	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
Vinyl chloride	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
Bromomethane	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
Chloroethane	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
Trichlorofluoromethane (Freon 11)	ND		ug/L	1	5.0	EPA 524.2	12/1/00 rt	WS20226
Trichlorotrifluoroethane (Freon 113)	ND		ug/L	1	10	EPA 524.2	12/1/00 rt	WS20226
1,1-Dichloroethane	0.96		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
Methylene chloride (Dichloromethane)	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
trans-1,2-Dichloroethane	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
Methyl tert-Butyl Ether	ND		ug/L	1	1.0	EPA 524.2	12/1/00 rt	WS20226
1,1-Dichloroethane	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
2-Butanone (Methyl ethyl ketone)	ND		ug/L	1	5.0	EPA 524.2	12/1/00 rt	WS20226
2,2-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
cis-1,2-Dichloroethane	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
Bromochloromethane	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
Chloroform	1.1		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
1,1,1-Trichloroethane	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
Carbon tetrachloride	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
1,1-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
Benzene	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
1,2-Dichloroethane	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
Trichloroethene (TCE)	6.3		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
1,2-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
Dibromomethane	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
Bromodichloromethane	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
cis-1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
4-Methyl-2-pentanone (MIBK)	ND		ug/L	1	5.0	EPA 524.2	12/1/00 rt	WS20226
2-Chloroethylvinyl ether	ND		ug/L	1	1.0	EPA 524.2	12/1/00 rt	WS20226
Toluene	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
trans-1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226

Lab#: A008393

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Weck Laboratories, Inc.

Environmental and Analytical Services - Since 1964

Client: Hydro Geo Chem, Inc.

Report Date: Tuesday, December 26, 2000

Project Name: Zero

CERTIFICATE OF ANALYSIS

Lab#: A008393-006

Sample ID: MW-7

Matrix: Ground Water

Sampled By: Client

Date: 11/29/00

Time: 9:31

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed	Worksheet #
1,1,2-Trichloroethane	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
Tetrachloroethene (PCE)	4.4		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
1,3-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
Dibromochloromethane	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
1,2-Dibromoethane (EDB)	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
Chlorobenzene	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
Ethyl benzene	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
m/p-Xylenes	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
o-Xylene	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
Styrene	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
Bromofarm	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
Isopropylbenzene	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
Bromobenzene	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
1,1,2,2-Tetrachloroethane	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
1,2,3-Trichloropropane	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
n-Propyl benzene	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
o-Chlorotoluene	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
p-Chlorotoluene	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
m,3,5-Trimethylbenzene	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
tert-Butyl benzene	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
1,2,4-Trimethylbenzene	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
bis(2-Chloroethyl) Ether	ND		ug/L	1	5.0	EPA 524.2	12/1/00 rt	WS20226
sec-Butylbenzene	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
1,3-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
4-Isopropyltoluene	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
1,4-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
1,2-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
n-Butylbenzene	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
1,2-Dibromo-3-chloropropane (DBCP)	ND		ug/L	1	1.0	EPA 524.2	12/1/00 rt	WS20226
1,2,4-Trichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
Hexachlorobutadiene	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
Naphthalene	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
1,2,3-Trichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
Total 1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
Tert-amyl Methyl Ether	ND		ug/L	1	3.0	EPA 524.2	12/1/00 rt	WS20226
Ethyl tert-Butyl Ether	ND		ug/L	1	3.0	EPA 524.2	12/1/00 rt	WS20226
1,1,1,2-Tetrachloroethane	ND		ug/L	1	0.5	EPA 524.2	12/1/00 rt	WS20226
Prep. Method: EPA 3510C								
1,4-Dioxane	ND		ug/L	1	2.0	EPA 8270M	12/6/00 BN	WS20107

Lab#: A008393

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Weck Laboratories, Inc.

Environmental and Analytical Services - Since 1964

Client: Hydro Geo Chem, Inc.

Project Name: Zero

Report Date: Tuesday, December 26, 2000

CERTIFICATE OF ANALYSIS

Authorized Signature

ELAP # 1132
LACSD # 10143
AZ0526

Flags for Data Qualifiers:

- B = Compound detected in the blank. Sample result equal or less than 5 times the concentration in the blank.
- J = Estimated value, detected but below the reporting limit.
- H = Estimated value, result over the calibration range
- R = Result is suspect, LCS recovery greater than the upper control limit
- L = Result is suspect, LCS recovery lower than the control limit
- Q = QC result out of acceptance limits.
- T = Trace detection, detected but below the reporting limit.

Notes:

Any remaining sample(s) for testing will be disposed of one month from the final report date unless other arrangements are made in advance.
All results are expressed on wet weight basis unless specified.
RL = Reporting Limit.
ND = Not detected, below the reporting limit.
Sub = Subcontracted analysis, original report enclosed.



Weck Laboratories, Inc.

Environmental and Analytical Services - Since 1964

Report Date: Tuesday, December 26, 2000

Received Date: Wednesday, November 29, 2000

Log By: mr

Log Time: 13:10

Client: Hydro Geo Chem, Inc.
51 West Wetmore, Suite 101
Tucson, AZ 85705

Phone: (520) 293-1500

FAX: (520) 293-1550

Attn.: John Ward

Project: Zero

P.O. #: 46500

Turnaround Time: Normal

CERTIFICATE OF ANALYSIS

Lab#: A008393-009

Sample ID: MW-8

Matrix: Ground Water

Sampled By: Client

Date: 11/29/00

Time: 11:35

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed	Worksheet #
<i>Prep. Method: P&T</i>								
Dichlorodifluoromethane	ND		ug/L	1	1.0 EPA 524.2		12/1/00 rt	WS20226
Chloromethane	ND		ug/L	1	0.50 EPA 524.2		12/1/00 rt	WS20226
Vinyl chloride	ND		ug/L	1	0.50 EPA 524.2		12/1/00 rt	WS20226
Fluoromethane	ND		ug/L	1	0.50 EPA 524.2		12/1/00 rt	WS20226
Chloroethane	ND		ug/L	1	0.50 EPA 524.2		12/1/00 rt	WS20226
Trichlorofluoromethane (Freon 11)	ND		ug/L	1	0.50 EPA 524.2		12/1/00 rt	WS20226
Trichlorotrifluoroethane (Freon 113)	ND		ug/L	1	5.0 EPA 524.2		12/1/00 rt	WS20226
1,1-Dichloroethene	ND		ug/L	1	10 EPA 524.2		12/1/00 rt	WS20226
Methylene chloride (Dichloromethane)	ND		ug/L	1	0.50 EPA 524.2		12/1/00 rt	WS20226
trans-1,2-Dichloroethane	ND		ug/L	1	0.50 EPA 524.2		12/1/00 rt	WS20226
Methyl tert-Butyl Ether	ND		ug/L	1	0.50 EPA 524.2		12/1/00 rt	WS20226
1,1-Dichloroethane	ND		ug/L	1	1.0 EPA 524.2		12/1/00 rt	WS20226
2-Butanone (Methyl ethyl ketone)	ND		ug/L	1	0.50 EPA 524.2		12/1/00 rt	WS20226
2,2-Dichloropropane	ND		ug/L	1	5.0 EPA 524.2		12/1/00 rt	WS20226
cis-1,2-Dichloroethene	ND		ug/L	1	0.50 EPA 524.2		12/1/00 rt	WS20226
Bromochloromethane	ND		ug/L	1	0.50 EPA 524.2		12/1/00 rt	WS20226
Chloroform	1.0		ug/L	1	0.50 EPA 524.2		12/1/00 rt	WS20226
1,1,1-Trichloroethane	ND		ug/L	1	0.50 EPA 524.2		12/1/00 rt	WS20226
Carbon tetrachloride	ND		ug/L	1	0.50 EPA 524.2		12/1/00 rt	WS20226
1,1-Dichloropropene	ND		ug/L	1	0.50 EPA 524.2		12/1/00 rt	WS20226
Benzene	ND		ug/L	1	0.50 EPA 524.2		12/1/00 rt	WS20226
1,2-Dichloroethane	ND		ug/L	1	0.50 EPA 524.2		12/1/00 rt	WS20226
Trichloroethane (TCE)	61		ug/L	10	0.50 EPA 524.2		12/1/00 rt	WS20226
1,2-Dichloropropane	ND		ug/L	1	5.0 EPA 524.2		12/1/00 rt	WS20226
Dibromomethane	ND		ug/L	1	0.50 EPA 524.2		12/1/00 rt	WS20226
Bromodichloromethane	ND		ug/L	1	0.50 EPA 524.2		12/1/00 rt	WS20226
cis-1,3-Dichloropropene	ND		ug/L	1	0.50 EPA 524.2		12/1/00 rt	WS20226
4-Methyl-2-pentanone (MiBK)	ND		ug/L	1	0.50 EPA 524.2		12/1/00 rt	WS20226
2-Chloroethylvinyl ether	ND		ug/L	1	5.0 EPA 524.2		12/1/00 rt	WS20226
Toluene	ND		ug/L	1	1.0 EPA 524.2		12/1/00 rt	WS20226
trans-1,3-Dichloropropene	ND		ug/L	1	0.50 EPA 524.2		12/1/00 rt	WS20226

Lab#: A008393

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Weck Laboratories, Inc.

Environmental and Analytical Services - Since 1964

Client: Hydro Geo Chem, Inc.
Project Name: Zero

Report Date: Tuesday, December 26, 2000

CERTIFICATE OF ANALYSIS

Lab#: A008393-009

Sample ID: MW-8

Matrix: Ground Water

Sampled By: Client

Date: 11/29/00

Time: 11:35

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed	Worksheet #
1,1,2-Trichloroethane	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
Tetrachloroethane (PCE)	2.5		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
1,3-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
Dibromochloromethane	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
1,2-Dibromoethane (EDB)	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
Chlorobenzene	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
Ethyl benzene	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
m/p-Xylenes	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
o-Xylene	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
Styrene	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
Bromoform	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
Isopropylbenzene	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
Bromobenzene	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
1,1,2,2-Tetrachloroethane	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
1,2,3-Trichloropropane	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
n-Propyl benzene	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
2-Chlorotoluene	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
4-Chlorotoluene	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
1,3,5-Trimethylbenzene	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
tert-Butyl benzene	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
1,2,4-Trimethylbenzene	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
bis(2-Chloroethyl) Ether	ND		ug/L	1	5.0	EPA 524.2	12/1/00 rt	WS20226
sec-Butylbenzene	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
1,3-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
4-Isopropyltoluene	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
1,4-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
1,2-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
n-Butylbenzene	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
1,2-Dibromo-3-chloropropane (DBCP)	ND		ug/L	1	1.0	EPA 524.2	12/1/00 rt	WS20226
1,2,4-Trichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
Hexachlorobutadiene	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
Naphthalene	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
1,2,3-Trichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
Total 1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	12/1/00 rt	WS20226
Tert-amyl Methyl Ether	ND		ug/L	1	3.0	EPA 524.2	12/1/00 rt	WS20226
Ethyl tert-Butyl Ether	ND		ug/L	1	3.0	EPA 524.2	12/1/00 rt	WS20226
1,1,1,2-Tetrachloroethane	ND		ug/L	1	0.5	EPA 524.2	12/1/00 rt	WS20226
Prep. Method: EPA 3510C								
1,4-Dioxane	ND		ug/L	1	2.0	EPA 8270M	12/6/00 BN	WS20107

Lab#: A008393

Page 2 of 3



Weck Laboratories, Inc.

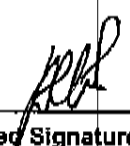
Environmental and Analytical Services - Since 1964

Int: Hydro Geo Chem, Inc.

Report Date: Tuesday, December 26, 2000

Project Name: Zero

CERTIFICATE OF ANALYSIS


Authorized Signature

ELAP # 1132

LACSD # 10143

AZ0526

Flags for Data Qualifiers:

B = Compound detected in the blank. Sample result equal or less than 5 times the concentration in the blank.

J = Estimated value, detected but below the reporting limit.

H = Estimated value, result over the calibration range.

R = Result is suspect, LCS recovery greater than the upper control limit.

L = Result is suspect, LCS recovery lower than the control limit.

Q = QC result out of acceptance limits.

T = Trace detection, detected but below the reporting limit.

Notes:

Any remaining sample(s) for testing will be disposed of one month from the final report date unless other arrangements are made in advance.

All results are expressed on wet weight basis unless specified.

RL = Reporting Limit.

ND = Not detected, below the reporting limit.

Sub = Subcontracted analysis, original report enclosed.



Weck Laboratories, Inc.

Environmental and Analytical Services - Since 1964

Report Date: Thursday, December 21, 2000

Received Date: Friday, December 01, 2000

Log By: tn

Log Time: 13:54

Client: Hydro Geo Chem, Inc.
51 West Wetmore, Suite 101
Tucson, AZ 85706

Phone: (520) 293-1500

FAX: (520) 293-1550

Attn.: John Ward

Project: 46500 Zero

P.O. #:

Turnaround Time: Normal

CERTIFICATE OF ANALYSIS

Lab#: A008446-003
Sampled By: John M.

Sample ID: MW-9
Date: 11/30/00
Time: 10:18

Matrix: Water

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed	Worksheet #
<i>Prep. Method: P&T</i>								
Dichlorodifluoromethane	ND		ug/L	1	1.0	EPA 524.2	12/14/00 rt	WS20484
Chloromethane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Vinyl chloride	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Bromomethane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Chloroethane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Trichlorofluoromethane (Freon 11)	ND		ug/L	1	5.0	EPA 524.2	12/14/00 rt	WS20484
Trichlorotrifluoroethane (Freon 113)	ND		ug/L	1	10	EPA 524.2	12/14/00 rt	WS20484
1,1-Dichloroethene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Methylene chloride (Dichloromethane)	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
trans-1,2-Dichloroethene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Methyl tert-Butyl Ether	ND		ug/L	1	1.0	EPA 524.2	12/14/00 rt	WS20484
1,1-Dichloroethane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
2-Butanone (Methyl ethyl ketone)	ND		ug/L	1	5.0	EPA 524.2	12/14/00 rt	WS20484
2,2-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
cis-1,2-Dichloroethene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Bromochloromethane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Chloroform	1.4		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
1,1,1-Trichloroethane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Carbon tetrachloride	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
1,1-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Benzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
1,2-Dichloroethane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Trichloroethene (TCE)	97		ug/L	10	5.0	EPA 524.2	12/14/00 rt	WS20484
1,2-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Dibromomethane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Bromodichloromethane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
cis-1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
4-Methyl-2-pentanone (MIBK)	ND		ug/L	1	5.0	EPA 524.2	12/14/00 rt	WS20484
2-Chloroethylvinyl ether	ND		ug/L	1	1.0	EPA 524.2	12/14/00 rt	WS20484
Toluene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
trans-1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484

Lab#: A008446

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Weck Laboratories, Inc.

Environmental and Analytical Services - Since 1964

Client: Hydro Geo Chem, Inc.
Project Name: 46500 Zero

Report Date: Thursday, December 21, 2000

CERTIFICATE OF ANALYSIS

Lab#: A008446-003
Sampled By: John M.

Sample ID: MW-9

Date: 11/30/00

Time: 10:18

Matrix: Water

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed	Worksheet #
1,1,2-Trichloroethane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Tetrachloroethane (PCE)	2.4		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
1,3-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Dibromochloromethane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
1,2-Dibromoethane (EDB)	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Chlorobenzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Ethyl benzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
m/p-Xylenes	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
o-Xylene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Styrene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Bromoform	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Isopropylbenzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Bromobenzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
1,1,2,2-Tetrachloroethane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
1,2,3-Trichloropropane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
n-Propyl benzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
2-Chlorotoluene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
3-Chlorotoluene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
1,3,5-Trimethylbenzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
tert-Butyl benzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
1,2,4-Trimethylbenzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
bis(2-Chloroethyl) Ether	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
sec-Butylbenzene	ND		ug/L	1	5.0	EPA 524.2	12/14/00 rt	WS20484
1,3-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
4-Isopropyltoluene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
1,4-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
1,2-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
n-Butylbenzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
1,2-Dibromo-3-chloropropane (DBCP)	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
1,2,4-Trichlorobenzene	ND		ug/L	1	1.0	EPA 524.2	12/14/00 rt	WS20484
Hexachlorobutadiene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Naphthalene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
1,2,3-Trichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Total 1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Tert-amyl Methyl Ether	ND		ug/L	1	3.0	EPA 524.2	12/14/00 rt	WS20484
Ethyl tert-Butyl Ether	ND		ug/L	1	3.0	EPA 524.2	12/14/00 rt	WS20484
1,1,1,2-Tetrachloroethane	ND		ug/L	1	3.0	EPA 524.2	12/14/00 rt	WS20484
Prep. Method: EPA 3510C								
1,4-Dioxane	ND		ug/L	1	2.0	EPA 8270M	12/7/00 bn	WS20227

Lab#: A008446

Page 2 of 3

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FAX (626) 336-2634

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Weck Laboratories, Inc.

Environmental and Analytical Services - Since 1964

Client: Hydro Geo Chem, Inc.

Project Name: 46500 Zero

Report Date: Thursday, December 21, 2000

CERTIFICATE OF ANALYSIS

Authorized Signature

ELAP # 1132
LACSD # 10143
AZ0528

Flags for Data Qualifiers:

- B = Compound detected in the blank. Sample result equal or less than 10 times the concentration in the blank.
- J = Estimated value, detected but below the reporting limit.
- H = Estimated value, result over the calibration range
- R = Result is suspect, LCS recovery greater than the upper control limit.
- L = Result is suspect, LCS recovery lower than the control limit.
- Q = QC result out of acceptance limits.
- T = Trace detection, detected but below the reporting limit.

Notes:

- Any remaining sample(s) for testing will be disposed of one month from the final report date unless other arrangements are made in advance.
- All results are expressed on wet weight basis unless specified.
- RL = Reporting Limit.
- ND = Not detected, below the reporting limit.
- Sub = Subcontracted analysis, original report enclosed.



Weck Laboratories, Inc.

Environmental and Analytical Services - Since 1964

Report Date: Thursday, December 21, 2000

Received Date: Friday, December 01, 2000

Log By: tn

Log Time: 13:52

Client: Hydro Geo Chem, Inc.
51 West Wetmore, Suite 101
Tucson, AZ 85705

Phone: (520) 293-1500

FAX: (520) 293-1550 ✓

Attn.: John Ward

Project: 46500 Zero

P.O. #:

Turnaround Time: Normal

CERTIFICATE OF ANALYSIS

Lab#: A008446-001

Sample ID: MW-10

Matrix: Water

Sampled By: John M.

Date: 11/29/00

Time: 15:30

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed	Worksheet #
<i>Prep. Method: P&T</i>								
Dichlorodifluoromethane	ND		ug/L	1	1.0	EPA 524.2	12/14/00 rt	WS20484
Chloromethane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Amyl chloride	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Bromomethane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Chloroethane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Trichlorofluoromethane (Freon 11)	ND		ug/L	1	5.0	EPA 524.2	12/14/00 rt	WS20484
Trichlorotrifluoroethane (Freon 113)	ND		ug/L	1	10	EPA 524.2	12/14/00 rt	WS20484
1,1-Dichloroethene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Methylene chloride (Dichloromethane)	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
trans-1,2-Dichloroethene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Methyl tert-Butyl Ether	ND		ug/L	1	1.0	EPA 524.2	12/14/00 rt	WS20484
1,1-Dichloroethane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
2-Butanone (Methyl ethyl ketone)	ND		ug/L	1	5.0	EPA 524.2	12/14/00 rt	WS20484
2,2-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
cis-1,2-Dichloroethene	0.82		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Bromochloromethane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Chloroform	2.8		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
1,1,1-Trichloroethane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Carbon tetrachloride	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
1,1-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Benzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
1,2-Dichloroethane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Trichloroethene (TCE)	490		ug/L	20	10.0	EPA 524.2	12/14/00 rt	WS20484
1,2-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Dibromomethane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Bromodichloromethane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
cis-1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
4-Methyl-2-pentanone (MIBK)	ND		ug/L	1	5.0	EPA 524.2	12/14/00 rt	WS20484
2-Chloroethylvinyl ether	ND		ug/L	1	1.0	EPA 524.2	12/14/00 rt	WS20484
Toluene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
trans-1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484

Lab#: A008446

Page 1 of 3

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FAX (626) 336-2634

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Weck Laboratories, Inc.

Environmental and Analytical Services - Since 1964

Client: Hydro Geo Chem, Inc.

Report Date: Thursday, December 21, 2000

Project Name: 46500 Zero

CERTIFICATE OF ANALYSIS

Lab#: A008446-001
Sampled By: John M.

Sample ID: MW-10
Date: 11/29/00 Time: 15:30

Matrix: Water

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed	Worksheet #
1,1,2-Trichloroethane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Tetrachloroethene (PCE)	6.4		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
1,3-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Dibromochloromethane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
1,2-Dibromoethane (EDB)	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Chlorobenzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Ethyl benzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
m/p-Xylenes	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
o-Xylene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Styrene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Bromoform	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Isopropylbenzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Bromobenzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
1,1,2,2-Tetrachloroethane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
1,2,3-Trichloropropane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
n-Propyl benzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
2-Chlorotoluene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
4-Chlorotoluene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
1,3,5-Trimethylbenzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
tert-Butyl benzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
1,2,4-Trimethylbenzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
bis(2-Chloroethyl) Ether	ND		ug/L	1	5.0	EPA 524.2	12/14/00 rt	WS20484
sec-Butylbenzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
1,3-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
4-Isopropyltoluene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
1,4-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
1,2-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
n-Butylbenzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
1,2-Dibromo-3-chloropropane (DBCP)	ND		ug/L	1	1.0	EPA 524.2	12/14/00 rt	WS20484
1,2,4-Trichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Hexachlorobutadiene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Naphthalene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
1,2,3-Trichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Total 1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Tert-amyl Methyl Ether	ND		ug/L	1	3.0	EPA 524.2	12/14/00 rt	WS20484
Ethyl tert-Butyl Ether	ND		ug/L	1	3.0	EPA 524.2	12/14/00 rt	WS20484
1,1,1,2-Tetrachloroethane	ND		ug/L	1	0.5	EPA 524.2	12/14/00 rt	WS20484
Prep. Method: EPA 3510C								
1,4-Dioxane	ND		ug/L	1	2.0	EPA 8270M	12/7/00 bn	WS20227

Lab#: A008446

Page 2 of 3

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FAX (626) 336-2634

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Weck Laboratories, Inc.

Environmental and Analytical Services - Since 1964

Report Date: Thursday, December 21, 2000

Received Date: Friday, December 01, 2000

Log By: ln

Log Time: 13:54

Client: Hydro Geo Chem, Inc.
51 West Wetmore, Suite 101
Tucson, AZ 85705

Phone: (520) 293-1500

FAX: (520) 293-1550

Attn.: John Ward

Project: 46500 Zero

P.O. #:

Turnaround Time: Normal

CERTIFICATE OF ANALYSIS

Lab#: A008446-002
Sampled By: John M.

Sample ID: MW-110
Date: 11/29/00

Time: 15:35

Matrix: Water

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed	Worksheet #
<i>Prep. Method: P&T</i>								
Dichlorodifluoromethane	ND		ug/L	1	1.0 EPA 524.2		12/14/00 rt	WS20484
Chloromethane	ND		ug/L	1	0.50 EPA 524.2		12/14/00 rt	WS20484
Vinyl chloride	ND		ug/L	1	0.50 EPA 524.2		12/14/00 rt	WS20484
Bromomethane	ND		ug/L	1	0.50 EPA 524.2		12/14/00 rt	WS20484
Chloroethane	ND		ug/L	1	0.50 EPA 524.2		12/14/00 rt	WS20484
Trichlorofluoromethane (Freon 11)	ND		ug/L	1	5.0 EPA 524.2		12/14/00 rt	WS20484
Trichlorotrifluoroethane (Freon 113)	ND		ug/L	1	10 EPA 524.2		12/14/00 rt	WS20484
1,1-Dichloroethene	ND		ug/L	1	0.50 EPA 524.2		12/14/00 rt	WS20484
Methylene chloride (Dichloromethane)	ND		ug/L	1	0.50 EPA 524.2		12/14/00 rt	WS20484
trans-1,2-Dichloroethene	ND		ug/L	1	0.50 EPA 524.2		12/14/00 rt	WS20484
Methyl tert-Butyl Ether	ND		ug/L	1	1.0 EPA 524.2		12/14/00 rt	WS20484
1,1-Dichloroethane	ND		ug/L	1	0.50 EPA 524.2		12/14/00 rt	WS20484
2-Butanone (Methyl ethyl ketone)	ND		ug/L	1	5.0 EPA 524.2		12/14/00 rt	WS20484
2,2-Dichloropropane	ND		ug/L	1	0.50 EPA 524.2		12/14/00 rt	WS20484
cis-1,2-Dichloroethene	0.91		ug/L	1	0.50 EPA 524.2		12/14/00 rt	WS20484
Bromochloromethane	ND		ug/L	1	0.50 EPA 524.2		12/14/00 rt	WS20484
Chloroform	3.1		ug/L	1	0.50 EPA 524.2		12/14/00 rt	WS20484
1,1,1-Trichloroethane	ND		ug/L	1	0.50 EPA 524.2		12/14/00 rt	WS20484
Carbon tetrachloride	ND		ug/L	1	0.50 EPA 524.2		12/14/00 rt	WS20484
1,1-Dichloropropene	ND		ug/L	1	0.50 EPA 524.2		12/14/00 rt	WS20484
Benzene	ND		ug/L	1	0.50 EPA 524.2		12/14/00 rt	WS20484
1,2-Dichloroethane	ND		ug/L	1	0.50 EPA 524.2		12/14/00 rt	WS20484
Trichloroethene (TCE)	520		ug/L	20	10.0 EPA 524.2		12/14/00 rt	WS20484
1,2-Dichloropropane	ND		ug/L	1	0.50 EPA 524.2		12/14/00 rt	WS20484
Dibromomethane	ND		ug/L	1	0.50 EPA 524.2		12/14/00 rt	WS20484
Bromodichloromethane	ND		ug/L	1	0.50 EPA 524.2		12/14/00 rt	WS20484
cis-1,3-Dichloropropene	ND		ug/L	1	0.50 EPA 524.2		12/14/00 rt	WS20484
4-Methyl-2-pentanone (MIBK)	ND		ug/L	1	5.0 EPA 524.2		12/14/00 rt	WS20484
2-Chloroethylvinyl ether	ND		ug/L	1	1.0 EPA 524.2		12/14/00 rt	WS20484
Toluene	ND		ug/L	1	0.50 EPA 524.2		12/14/00 rt	WS20484
trans-1,3-Dichloropropene	ND		ug/L	1	0.50 EPA 524.2		12/14/00 rt	WS20484

Lab#: A008446

Page 1 of 3

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FAX (626) 336-2634

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lent: Hydro Geo Chem, Inc.
Project Name: 46500 Zero

Report Date: Thursday, December 21, 2000

CERTIFICATE OF ANALYSIS

Lab#: A008446-002

Sample ID: MW-110

Matrix: Water

Sampled By: John M.

Date: 11/29/00

Time: 15:35

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed	Worksheet #
1,1,2-Trichloroethane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Tetrachloroethene (PCE)	7.1		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
1,3-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Dibromochloromethane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
1,2-Dibromoethane (EDB)	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Chlorobenzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Ethyl benzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
m/p-Xylenes	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
o-Xylene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Styrene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Bromoform	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Isopropylbenzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Bromobenzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
1,1,2,2-Tetrachloroethane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
1,2,3-Trichloropropane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
n-Propyl benzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
2-Chlorotoluene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Chlorotoluene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
1,3,5-Trimethylbenzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
tert-Butyl benzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
1,2,4-Trimethylbenzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
bis(2-Chloroethyl) Ether	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
sec-Butylbenzene	ND		ug/L	1	5.0	EPA 524.2	12/14/00 rt	WS20484
1,3-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
4-isopropyltoluene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
1,4-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
1,2-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
n-Butylbenzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
1,2-Dibromo-3-chloropropane (DBCP)	ND		ug/L	1	1.0	EPA 524.2	12/14/00 rt	WS20484
1,2,4-Trichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Hexachlorobutadiene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Naphthalene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
1,2,3-Trichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Total 1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Tert-amyl Methyl Ether	ND		ug/L	1	3.0	EPA 524.2	12/14/00 rt	WS20484
Ethyl tert-Butyl Ether	ND		ug/L	1	3.0	EPA 524.2	12/14/00 rt	WS20484
1,1,1,2-Tetrachloroethane	ND		ug/L	1	0.5	EPA 524.2	12/14/00 rt	WS20484
Prep. Method: EPA 3510C								
1,4-Dioxane	ND		ug/L	1	2.0	EPA 8270M	12/7/00 bn	WS20227



Weck Laboratories, Inc.

Environmental and Analytical Services - Since 1964

Client: Hydro Geo Chem, Inc.

Project Name: 45500 Zero

Report Date: Thursday, December 21, 2000

CERTIFICATE OF ANALYSIS

Authorized Signature

ELAP # 1132
LACSD # 10143
AZ0526

Flags for Data Qualifiers:

- B = Compound detected in the blank. Sample result equal or less than 10 times the concentration in the blank.
- J = Estimated value, detected but below the reporting limit.
- H = Estimated value, result over the calibration range
- R = Result is suspect, LCS recovery greater than the upper control limit.
- L = Result is suspect, LCS recovery lower than the control limit.
- Q = QC result out of acceptance limits.
- T = Trace detection, detected but below the reporting limit.

Notes:

- Any remaining sample(s) for testing will be disposed of one month from the final report date unless other arrangements are made in advance.
- All results are expressed on wet weight basis unless specified.
- RL = Reporting Limit.
- ND = Not detected, below the reporting limit.
- Sub = Subcontracted analysis, original report enclosed.

Lab#: A008446

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Weck Laboratories, Inc.

Environmental and Analytical Services - Since 1964

Report Date: Thursday, December 21, 2000

Received Date: Friday, December 01, 2000

Log By: tn

Log Time: 13:54

Client: Hydro Geo Chem, Inc.
51 West Wetmore, Suite 101
Tucson, AZ 85705

Phone: (520) 293-1500

FAX: (520) 293-1550

Attn.: John Ward

Project: 46500 Zero

P.O. #:

Turnaround Time: Normal

CERTIFICATE OF ANALYSIS

Lab#: A008446-008

Sample ID: RW-3

Matrix: Water

Sampled By: John M.

Date: 11/30/00

Time: 11:25

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed	Worksheet #
<i>Prep. Method: P&T</i>								
Dichlorodifluoromethane	ND		ug/L	1	1.0	EPA 524.2	12/14/00 rt	WS20484
Chloromethane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Vinyl chloride	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
monomethane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
chloroethane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Trichlorofluoromethane (Freon 11)	ND		ug/L	1	5.0	EPA 524.2	12/14/00 rt	WS20484
Trichlorotrifluoroethane (Freon 113)	ND		ug/L	1	10	EPA 524.2	12/14/00 rt	WS20484
1,1-Dichloroethene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Methylene chloride (Dichloromethane)	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
trans-1,2-Dichloroethene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Methyl tert-Butyl Ether	ND		ug/L	1	1.0	EPA 524.2	12/14/00 rt	WS20484
1,1-Dichloroethane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
2-Butanone (Methyl ethyl ketone)	ND		ug/L	1	5.0	EPA 524.2	12/14/00 rt	WS20484
2,2-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
cis-1,2-Dichloroethene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Bromochloromethane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Chloroform	6.5		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
1,1,1-Trichloroethane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Carbon tetrachloride	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
1,1-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Benzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
1,2-Dichloroethane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Trichloroethene (TCE)	50		ug/L	5	2.5	EPA 524.2	12/14/00 rt	WS20484
1,2-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Dibromomethane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Bromodichloromethane	10		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
cis-1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
4-Methyl-2-pentanone (MIBK)	ND		ug/L	1	5.0	EPA 524.2	12/14/00 rt	WS20484
2-Chloroethylvinyl ether	ND		ug/L	1	1.0	EPA 524.2	12/14/00 rt	WS20484
Toluene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
trans-1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484

Lab#: A008446

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Environmental and Analytical Services - Since 1964

Client: Hydro Geo Chem, Inc.

Project Name: 46500 Zero

Report Date: Thursday, December 21, 2000

CERTIFICATE OF ANALYSIS

Lab#: A008446-008

Sample ID: RW-3

Matrix: Water

Sampled By: John M.

Date: 11/30/00

Time: 11:25

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed	Worksheet #
1,1,2-Trichloroethane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Tetrachloroethene (PCE)	0.70		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
1,3-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Dibromochloromethane	10		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
1,2-Dibromoethane (EDB)	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Chlorobenzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Ethyl benzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
m/p-Xylenes	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
o-Xylene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Styrene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Bromoform	3.0		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Isopropylbenzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Bromobenzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
1,1,2,2-Tetrachloroethane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
1,2,3-Trichloropropane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
n-Propyl benzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
2-Chlorotoluene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
4-Chlorotoluene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
1,3,5-Trimethylbenzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
tert-Butyl benzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
1,2,4-Trimethylbenzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
bis(2-Chloroethyl) Ether	ND		ug/L	1	5.0	EPA 524.2	12/14/00 rt	WS20484
sec-Butylbenzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
1,3-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
4-Isopropyltoluene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
1,4-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
1,2-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
n-Butylbenzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
1,2-Dibromo-3-chloropropane (DBCP)	ND		ug/L	1	1.0	EPA 524.2	12/14/00 rt	WS20484
1,2,4-Trichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Hexachlorobutadiene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Naphthalene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
1,2,3-Trichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Total 1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Tert-amyl Methyl Ether	ND		ug/L	1	3.0	EPA 524.2	12/14/00 rt	WS20484
Ethyl tert-Butyl Ether	ND		ug/L	1	3.0	EPA 524.2	12/14/00 rt	WS20484
1,1,1,2-Tetrachloroethane	ND		ug/L	1	0.5	EPA 524.2	12/14/00 rt	WS20484

Lab#: A008446

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Environmental and Analytical Services - Since 1964

Jnt: Hydro Geo Chem, Inc.
Project Name: 46500 Zero

Report Date: Thursday, December 21, 2000

CERTIFICATE OF ANALYSIS


Authorized Signature

ELAP # 1132
LACSD # 10143
AZ0526

Flags for Data Qualifiers:

- B = Compound detected in the blank. Sample result equal or less than 10 times the concentration in the blank.
- J = Estimated value, detected but below the reporting limit.
- H = Estimated value, result over the calibration range
- R = Result is suspect, LCS recovery greater than the upper control limit.
- L = Result is suspect, LCS recovery lower than the control limit.
- Q = QC result out of acceptance limits.
- T = Trace detection, detected but below the reporting limit.

Notes:

- Any remaining sample(s) for testing will be disposed of one month from the final report date unless other arrangements are made in advance.
- All results are expressed on wet weight basis unless specified.
- RL = Reporting Limit.
- ND = Not detected, below the reporting limit.
- Sub = Subcontracted analysis, original report enclosed.



Weck Laboratories, Inc.

Environmental and Analytical Services - Since 1964

Report Date: Thursday, December 21, 2000

Received Date: Friday, December 01, 2000

Log By: tn

Log Time: 13:54

Client: Hydro Geo Chem, Inc.
51 West Wetmore, Suite 101
Tucson, AZ 85705

Phone: (520) 293-1500

FAX: (520) 293-1550

Attn.: John Ward

Project: 46500 Zero

P.O. #:

Turnaround Time: Normal

CERTIFICATE OF ANALYSIS

Lab#: A008446-009

Sample ID: WW-3

Matrix: Water

Sampled By: John M.

Date: 11/30/00

Time: 11:25

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed	Worksheet #
<i>Prep. Method: P&T</i>								
Dichlorodifluoromethane	ND		ug/L	20	20	EPA 524.2	12/14/00 rt	WS20484
Chloromethane	ND		ug/L	20	10.0	EPA 524.2	12/14/00 rt	WS20484
Vinyl chloride	ND		ug/L	20	10.0	EPA 524.2	12/14/00 rt	WS20484
Bromomethane	ND		ug/L	20	10.0	EPA 524.2	12/14/00 rt	WS20484
Chloroethane	ND		ug/L	20	10.0	EPA 524.2	12/14/00 rt	WS20484
Trichlorofluoromethane (Freon 11)	ND		ug/L	20	100	EPA 524.2	12/14/00 rt	WS20484
Trichlorotrifluoroethane (Freon 113)	ND		ug/L	20	200	EPA 524.2	12/14/00 rt	WS20484
1,1-Dichloroethene	ND		ug/L	20	10.0	EPA 524.2	12/14/00 rt	WS20484
Methylene chloride (Dichloromethane)	ND		ug/L	20	10.0	EPA 524.2	12/14/00 rt	WS20484
trans-1,2-Dichloroethene	ND		ug/L	20	10.0	EPA 524.2	12/14/00 rt	WS20484
Methyl tert-Butyl Ether	ND		ug/L	20	20	EPA 524.2	12/14/00 rt	WS20484
1,1-Dichloroethane	ND		ug/L	20	10.0	EPA 524.2	12/14/00 rt	WS20484
2-Butanone (Methyl ethyl ketone)	ND		ug/L	20	100	EPA 524.2	12/14/00 rt	WS20484
2,2-Dichloropropane	ND		ug/L	20	10.0	EPA 524.2	12/14/00 rt	WS20484
cis-1,2-Dichloroethene	ND		ug/L	20	10.0	EPA 524.2	12/14/00 rt	WS20484
Bromochloromethane	ND		ug/L	20	10.0	EPA 524.2	12/14/00 rt	WS20484
Chloroform	ND		ug/L	20	10.0	EPA 524.2	12/14/00 rt	WS20484
1,1,1-Trichloroethane	ND		ug/L	20	10.0	EPA 524.2	12/14/00 rt	WS20484
Carbon tetrachloride	ND		ug/L	20	10.0	EPA 524.2	12/14/00 rt	WS20484
1,1-Dichloropropene	ND		ug/L	20	10.0	EPA 524.2	12/14/00 rt	WS20484
Benzene	ND		ug/L	20	10.0	EPA 524.2	12/14/00 rt	WS20484
1,2-Dichloroethane	ND		ug/L	20	10.0	EPA 524.2	12/14/00 rt	WS20484
Trichloroethane (TCE)	72		ug/L	20	10.0	EPA 524.2	12/14/00 rt	WS20484
1,2-Dichloropropane	ND		ug/L	20	10.0	EPA 524.2	12/14/00 rt	WS20484
Dibromomethane	ND		ug/L	20	10.0	EPA 524.2	12/14/00 rt	WS20484
Bromodichloromethane	ND		ug/L	20	10.0	EPA 524.2	12/14/00 rt	WS20484
cis-1,3-Dichloropropene	ND		ug/L	20	10.0	EPA 524.2	12/14/00 rt	WS20484
4-Methyl-2-pentanone (MIBK)	ND		ug/L	20	100	EPA 524.2	12/14/00 rt	WS20484
2-Chloroethylvinyl ether	ND		ug/L	20	20	EPA 524.2	12/14/00 rt	WS20484
Toluene	ND		ug/L	20	10.0	EPA 524.2	12/14/00 rt	WS20484
trans-1,3-Dichloropropene	ND		ug/L	20	10.0	EPA 524.2	12/14/00 rt	WS20484

Lab#: A008446

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Environmental and Analytical Services - Since 1964

Client: Hydro Geo Chem, Inc.
Project Name: 46500 Zero

Report Date: Thursday, December 21, 2000

CERTIFICATE OF ANALYSIS

Lab#: A008446-009
Sampled By: John M.

Sample ID: WW-3

Date: 11/30/00

Time: 11:25

Matrix: Water

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed	Worksheet #
1,1,2-Trichloroethane	ND		ug/L	20	10.0	EPA 524.2	12/14/00 rt	WS20484
Tetrachloroethane (PCE)	ND		ug/L	20	10.0	EPA 524.2	12/14/00 rt	WS20484
1,3-Dichloropropane	ND		ug/L	20	10.0	EPA 524.2	12/14/00 rt	WS20484
Dibromochloromethane	ND		ug/L	20	10.0	EPA 524.2	12/14/00 rt	WS20484
1,2-Dibromoethane (EDB)	ND		ug/L	20	10.0	EPA 524.2	12/14/00 rt	WS20484
Chlorobenzene	ND		ug/L	20	10.0	EPA 524.2	12/14/00 rt	WS20484
Ethyl benzene	ND		ug/L	20	10.0	EPA 524.2	12/14/00 rt	WS20484
m/p-Xylenes	ND		ug/L	20	10.0	EPA 524.2	12/14/00 rt	WS20484
o-Xylene	ND		ug/L	20	10.0	EPA 524.2	12/14/00 rt	WS20484
Styrene	ND		ug/L	20	10.0	EPA 524.2	12/14/00 rt	WS20484
Bromoform	ND		ug/L	20	10.0	EPA 524.2	12/14/00 rt	WS20484
Isopropylbenzene	ND		ug/L	20	10.0	EPA 524.2	12/14/00 rt	WS20484
Bromobenzene	ND		ug/L	20	10.0	EPA 524.2	12/14/00 rt	WS20484
1,1,2,2-Tetrachloroethane	ND		ug/L	20	10.0	EPA 524.2	12/14/00 rt	WS20484
1,2,3-Trichloropropane	ND		ug/L	20	10.0	EPA 524.2	12/14/00 rt	WS20484
n-Propyl benzene	ND		ug/L	20	10.0	EPA 524.2	12/14/00 rt	WS20484
m-Chlorotoluene	ND		ug/L	20	10.0	EPA 524.2	12/14/00 rt	WS20484
p-Chlorotoluene	ND		ug/L	20	10.0	EPA 524.2	12/14/00 rt	WS20484
1,3,5-Trimethylbenzene	ND		ug/L	20	10.0	EPA 524.2	12/14/00 rt	WS20484
tert-Butyl benzene	ND		ug/L	20	10.0	EPA 524.2	12/14/00 rt	WS20484
1,2,4-Trimethylbenzene	ND		ug/L	20	10.0	EPA 524.2	12/14/00 rt	WS20484
bis(2-Chloroethyl) Ether	ND		ug/L	20	100	EPA 524.2	12/14/00 rt	WS20484
sec-Butylbenzene	ND		ug/L	20	10.0	EPA 524.2	12/14/00 rt	WS20484
1,3-Dichlorobenzene	ND		ug/L	20	10.0	EPA 524.2	12/14/00 rt	WS20484
4-isopropyltoluene	ND		ug/L	20	10.0	EPA 524.2	12/14/00 rt	WS20484
1,4-Dichlorobenzene	ND		ug/L	20	10.0	EPA 524.2	12/14/00 rt	WS20484
1,2-Dichlorobenzene	ND		ug/L	20	10.0	EPA 524.2	12/14/00 rt	WS20484
n-Butylbenzene	ND		ug/L	20	10.0	EPA 524.2	12/14/00 rt	WS20484
1,2-Dibromo-3-chloropropane (DBCP)	ND		ug/L	20	20	EPA 524.2	12/14/00 rt	WS20484
1,2,4-Trichlorobenzene	ND		ug/L	20	10.0	EPA 524.2	12/14/00 rt	WS20484
Hexachlorobutadiene	ND		ug/L	20	10.0	EPA 524.2	12/14/00 rt	WS20484
Naphthalene	ND		ug/L	20	10.0	EPA 524.2	12/14/00 rt	WS20484
1,2,3-Trichlorobenzene	ND		ug/L	20	10.0	EPA 524.2	12/14/00 rt	WS20484
Total 1,3-Dichloropropene	ND		ug/L	20	10.0	EPA 524.2	12/14/00 rt	WS20484
Tert-amyl Methyl Ether	ND		ug/L	20	60	EPA 524.2	12/14/00 rt	WS20484
Ethyl tert-Butyl Ether	ND		ug/L	20	60	EPA 524.2	12/14/00 rt	WS20484
1,1,1,2-Tetrachloroethane	ND		ug/L	20	10.0	EPA 524.2	12/14/00 rt	WS20484

Lab#: A008446

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Weck Laboratories, Inc.

Environmental and Analytical Services - Since 1964

Client: Hydro Geo Chem, Inc.

Project Name: 46500 Zero

Report Date: Thursday, December 21, 2000

CERTIFICATE OF ANALYSIS

Authorized Signature

ELAP # 1132
LACSD # 10143
AZ0526

Flags for Data Qualifiers:

- B = Compound detected in the blank. Sample result equal or less than 10 times the concentration in the blank.
- J = Estimated value, detected but below the reporting limit.
- H = Estimated value, result over the calibration range
- R = Result is suspect, LCS recovery greater than the upper control limit.
- L = Result is suspect, LCS recovery lower than the control limit.
- Q = QC result out of acceptance limits.
- T = Trace detection, detected but below the reporting limit.

Notes:

- Any remaining sample(s) for testing will be disposed of one month from the final report date unless other arrangements are made in advance.
- All results are expressed on wet weight basis unless specified.
- RL = Reporting Limit.
- ND = Not detected, below the reporting limit.
- Sub = Subcontracted analysis, original report enclosed.

Lab#: A008446

Page 3 of 3

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Weck Laboratories, Inc.

Environmental and Analytical Services - Since 1964

Report Date: Thursday, December 21, 2000

Received Date: Friday, December 01, 2000

Log By: tn

Log Time: 13:54

Client: Hydro Geo Chem, Inc.
51 West Wetmore, Suite 101
Tucson, AZ 85705

Phone: (520) 293-1500

FAX: (520) 293-1550

Attn.: John Ward

Project: 46500 Zero

P.O. #:

Turnaround Time: Normal

CERTIFICATE OF ANALYSIS

Lab#: A008446-010

Sample ID: RW-4

Matrix: Water

Sampled By: John M.

Date: 12/1/00

Time: 10:50

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed	Worksheet #
<i>Prep. Method: P&T</i>								
Dichlorodifluoromethane	ND		ug/L	1	1.0	EPA 524.2	12/14/00 rt	WS20484
Chloromethane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Vinyl chloride	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Monomethane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Dichloroethane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Trichlorofluoromethane (Freon 11)	ND		ug/L	1	5.0	EPA 524.2	12/14/00 rt	WS20484
Trichlorotrifluoroethane (Freon 113)	ND		ug/L	1	10	EPA 524.2	12/14/00 rt	WS20484
1,1-Dichloroethene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Methylene chloride (Dichloromethane)	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
trans-1,2-Dichloroethene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Methyl tert-Butyl Ether	ND		ug/L	1	1.0	EPA 524.2	12/14/00 rt	WS20484
1,1-Dichloroethane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
2-Butanone (Methyl ethyl ketone)	ND		ug/L	1	5.0	EPA 524.2	12/14/00 rt	WS20484
2,2-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
cis-1,2-Dichloroethene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Bromochloromethane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Chloroform	6.3		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
1,1,1-Trichloroethane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Carbon tetrachloride	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
1,1-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Benzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
1,2-Dichloroethane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Trichloroethene (TCE)	42		ug/L	5	2.5	EPA 524.2	12/14/00 rt	WS20484
1,2-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Dibromomethane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Bromodichloromethane	10		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
cis-1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
4-Methyl-2-pentanone (MIBK)	ND		ug/L	1	5.0	EPA 524.2	12/14/00 rt	WS20484
2-Chloroethylvinyl ether	ND		ug/L	1	1.0	EPA 524.2	12/14/00 rt	WS20484
Toluene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
trans-1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484

Lab#: A008446

Page 1 of 3

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Environmental and Analytical Services - Since 1964

Client: Hydro Geo Chem, Inc.
Project Name: 46500 Zero

Report Date: Thursday, December 21, 2000

CERTIFICATE OF ANALYSIS

Lab#: A008446-010
Sampled By: John M.

Sample ID: RW-4
Date: 12/1/00

Time: 10:50

Matrix: Water

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed	Worksheet #
1,1,2-Trichloroethane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Tetrachloroethene (PCE)	0.66		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
1,3-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Dibromochloromethane	9.9		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
1,2-Dibromoethane (EDB)	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Chlorobenzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Ethyl benzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
m/p-Xylenes	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
o-Xylene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Styrene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Bromofom	2.8		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Isopropylbenzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Bromobenzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
1,1,2,2-Tetrachloroethane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
1,2,3-Trichloropropane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
n-Propyl benzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
2-Chlorotoluene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
4-Chlorotoluene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
1,3,5-Trimethylbenzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
tert-Butyl benzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
1,2,4-Trimethylbenzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
bis(2-Chloroethyl) Ether	ND		ug/L	1	5.0	EPA 524.2	12/14/00 rt	WS20484
sec-Butylbenzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
1,3-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
4-Isopropyltoluene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
1,4-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
1,2-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
n-Butylbenzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
1,2-Dibromo-3-chloropropane (DBCP)	ND		ug/L	1	1.0	EPA 524.2	12/14/00 rt	WS20484
1,2,4-Trichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Hexachlorobutadiene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Naphthalene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
1,2,3-Trichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Total 1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Tert-amyl Methyl Ether	ND		ug/L	1	3.0	EPA 524.2	12/14/00 rt	WS20484
Ethyl tert-Butyl Ether	ND		ug/L	1	3.0	EPA 524.2	12/14/00 rt	WS20484
1,1,1,2-Tetrachloroethane	ND		ug/L	1	0.5	EPA 524.2	12/14/00 rt	WS20484

Lab#: A008446

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Page 2 of 3

Ant: Hydro Geo Chem, Inc.

Project Name: 46500 Zero

Report Date: Thursday, December 21, 2000

CERTIFICATE OF ANALYSIS

Geoplostoma

Authorized Signature

ELAP # 1132

LACSD # 10143

AZ0526

Flags for Data Qualifiers:

B = Compound detected in the blank. Sample result equal or less than 10 times the concentration in the blank.

J = Estimated value, detected but below the reporting limit.

H = Estimated value, result over the calibration range

R = Result is suspect, LCS recovery greater than the upper control limit.

L = Result is suspect, LCS recovery lower than the control limit.

Q = QC result out of acceptance limits.

T = Trace detection, detected but below the reporting limit.

Notes:

Any remaining sample(s) for testing will be disposed of one month from the final report date unless other arrangements are made in advance.
All results are expressed on wet weight basis unless specified.

All results are expressed on wet weight basis unless specified.

RL = Reporting Limit.

ND = Not detected, below the reporting limit.

Sub = Subcontracted analysis, original report enclosed.



Weck Laboratories, Inc.

Environmental and Analytical Services - Since 1964

Report Date: Thursday, December 21, 2000

Received Date: Friday, December 01, 2000

Log By: tn

Log Time: 13:54

Client: Hydro Geo Chem, Inc.
51 West Wetmore, Suite 101
Tucson, AZ 85705

Phone: (520) 293-1500

FAX: (520) 293-1550

Attn.: John Ward

Project: 46500 Zero

P.O. #:

Turnaround Time: Normal

CERTIFICATE OF ANALYSIS

Lab#: A008446-011
Sampled By: John M.

Sample ID: WW-4
Date: 12/1/00

Time: 10:50

Matrix: Water

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed	Worksheet #
<i>Prep. Method: P&T</i>								
Dichlorodifluoromethane	ND		ug/L	20	20	EPA 524.2	12/14/00 rt	WS20484
Chloromethane	ND		ug/L	20	10.0	EPA 524.2	12/14/00 rt	WS20484
Vinyl chloride	ND		ug/L	20	10.0	EPA 524.2	12/14/00 rt	WS20484
Bromomethane	ND		ug/L	20	10.0	EPA 524.2	12/14/00 rt	WS20484
Chloroethane	ND		ug/L	20	10.0	EPA 524.2	12/14/00 rt	WS20484
Trichlorofluoromethane (Freon 11)	ND		ug/L	20	100	EPA 524.2	12/14/00 rt	WS20484
Trichlorotrifluoroethane (Freon 113)	ND		ug/L	20	200	EPA 524.2	12/14/00 rt	WS20484
1,1-Dichloroethene	ND		ug/L	20	10.0	EPA 524.2	12/14/00 rt	WS20484
Methylene chloride (Dichloromethane)	ND		ug/L	20	10.0	EPA 524.2	12/14/00 rt	WS20484
trans-1,2-Dichloroethane	ND		ug/L	20	10.0	EPA 524.2	12/14/00 rt	WS20484
Methyl tert-Butyl Ether	ND		ug/L	20	20	EPA 524.2	12/14/00 rt	WS20484
1,1-Dichloroethane	ND		ug/L	20	10.0	EPA 524.2	12/14/00 rt	WS20484
2-Butanone (Methyl ethyl ketone)	ND		ug/L	20	100	EPA 524.2	12/14/00 rt	WS20484
2,2-Dichloropropane	ND		ug/L	20	10.0	EPA 524.2	12/14/00 rt	WS20484
cis-1,2-Dichloroethene	ND		ug/L	20	10.0	EPA 524.2	12/14/00 rt	WS20484
Bromochloromethane	ND		ug/L	20	10.0	EPA 524.2	12/14/00 rt	WS20484
Chloroform	ND		ug/L	20	10.0	EPA 524.2	12/14/00 rt	WS20484
1,1,1-Trichloroethane	ND		ug/L	20	10.0	EPA 524.2	12/14/00 rt	WS20484
Carbon tetrachloride	ND		ug/L	20	10.0	EPA 524.2	12/14/00 rt	WS20484
1,1-Dichloropropene	ND		ug/L	20	10.0	EPA 524.2	12/14/00 rt	WS20484
Benzene	ND		ug/L	20	10.0	EPA 524.2	12/14/00 rt	WS20484
1,2-Dichloroethane	ND		ug/L	20	10.0	EPA 524.2	12/14/00 rt	WS20484
Trichloroethene (TCE)	60		ug/L	20	10.0	EPA 524.2	12/14/00 rt	WS20484
1,2-Dichloropropane	ND		ug/L	20	10.0	EPA 524.2	12/14/00 rt	WS20484
Dibromomethane	ND		ug/L	20	10.0	EPA 524.2	12/14/00 rt	WS20484
Bromodichloromethane	ND		ug/L	20	10.0	EPA 524.2	12/14/00 rt	WS20484
cis-1,3-Dichloropropene	ND		ug/L	20	10.0	EPA 524.2	12/14/00 rt	WS20484
4-Methyl-2-pentanone (MiBK)	ND		ug/L	20	100	EPA 524.2	12/14/00 rt	WS20484
2-Chloroethylvinyl ether	ND		ug/L	20	20	EPA 524.2	12/14/00 rt	WS20484
Toluene	ND		ug/L	20	10.0	EPA 524.2	12/14/00 rt	WS20484
trans-1,3-Dichloropropene	ND		ug/L	20	10.0	EPA 524.2	12/14/00 rt	WS20484

Lab#: A008446

Page 1 of 3

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FAX (626) 336-2634

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Client: Hydra Geo Chem, Inc.
Project Name: 46500 Zero

Report Date: Thursday, December 21, 2000

CERTIFICATE OF ANALYSIS

Lab#: A008446-011
Sampled By: John M.

Sample ID: WW-4
Date: 12/1/00

Time: 10:50

Matrix: Water

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed	Worksheet #
1,1,2-Trichloroethane	ND		ug/L	20	10.0	EPA 524.2	12/14/00 rt	WS20484
Tetrachloroethane (PCE)	ND		ug/L	20	10.0	EPA 524.2	12/14/00 rt	WS20484
1,3-Dichloropropane	ND		ug/L	20	10.0	EPA 524.2	12/14/00 rt	WS20484
Dibromochloromethane	ND		ug/L	20	10.0	EPA 524.2	12/14/00 rt	WS20484
1,2-Dibromoethane (EDB)	ND		ug/L	20	10.0	EPA 524.2	12/14/00 rt	WS20484
Chlorobenzene	ND		ug/L	20	10.0	EPA 524.2	12/14/00 rt	WS20484
Ethyl benzene	ND		ug/L	20	10.0	EPA 524.2	12/14/00 rt	WS20484
m/p-Xylenes	ND		ug/L	20	10.0	EPA 524.2	12/14/00 rt	WS20484
o-Xylene	ND		ug/L	20	10.0	EPA 524.2	12/14/00 rt	WS20484
Styrene	ND		ug/L	20	10.0	EPA 524.2	12/14/00 rt	WS20484
Bromoform	ND		ug/L	20	10.0	EPA 524.2	12/14/00 rt	WS20484
Isopropylbenzene	ND		ug/L	20	10.0	EPA 524.2	12/14/00 rt	WS20484
Bromobenzene	ND		ug/L	20	10.0	EPA 524.2	12/14/00 rt	WS20484
1,1,2,2-Tetrachloroethane	ND		ug/L	20	10.0	EPA 524.2	12/14/00 rt	WS20484
1,2,3-Trichloropropane	ND		ug/L	20	10.0	EPA 524.2	12/14/00 rt	WS20484
n-Propyl benzene	ND		ug/L	20	10.0	EPA 524.2	12/14/00 rt	WS20484
o-Chlorotoluene	ND		ug/L	20	10.0	EPA 524.2	12/14/00 rt	WS20484
p-Chlorotoluene	ND		ug/L	20	10.0	EPA 524.2	12/14/00 rt	WS20484
1,3,5-Trimethylbenzene	ND		ug/L	20	10.0	EPA 524.2	12/14/00 rt	WS20484
tert-Butyl benzene	ND		ug/L	20	10.0	EPA 524.2	12/14/00 rt	WS20484
1,2,4-Trimethylbenzene	ND		ug/L	20	10.0	EPA 524.2	12/14/00 rt	WS20484
bis(2-Chloroethyl) Ether	ND		ug/L	20	10.0	EPA 524.2	12/14/00 rt	WS20484
sec-Butylbenzene	ND		ug/L	20	10.0	EPA 524.2	12/14/00 rt	WS20484
1,3-Dichlorobenzene	ND		ug/L	20	10.0	EPA 524.2	12/14/00 rt	WS20484
4-isopropyltoluene	ND		ug/L	20	10.0	EPA 524.2	12/14/00 rt	WS20484
1,4-Dichlorobenzene	ND		ug/L	20	10.0	EPA 524.2	12/14/00 rt	WS20484
1,2-Dichlorobenzene	ND		ug/L	20	10.0	EPA 524.2	12/14/00 rt	WS20484
n-Butylbenzene	ND		ug/L	20	10.0	EPA 524.2	12/14/00 rt	WS20484
1,2-Dibromo-3-chloropropane (DBCP)	ND		ug/L	20	20	EPA 524.2	12/14/00 rt	WS20484
1,2,4-Trichlorobenzene	ND		ug/L	20	10.0	EPA 524.2	12/14/00 rt	WS20484
Hexachlorobutadiene	ND		ug/L	20	10.0	EPA 524.2	12/14/00 rt	WS20484
Naphthalene	ND		ug/L	20	10.0	EPA 524.2	12/14/00 rt	WS20484
1,2,3-Trichlorobenzene	ND		ug/L	20	10.0	EPA 524.2	12/14/00 rt	WS20484
Total 1,3-Dichloropropene	ND		ug/L	20	10.0	EPA 524.2	12/14/00 rt	WS20484
Tert-amyl Methyl Ether	ND		ug/L	20	60	EPA 524.2	12/14/00 rt	WS20484
Ethyl tert-Butyl Ether	ND		ug/L	20	60	EPA 524.2	12/14/00 rt	WS20484
1,1,1,2-Tetrachloroethane	ND		ug/L	20	10.0	EPA 524.2	12/14/00 rt	WS20484



Weck Laboratories, Inc.

Environmental and Analytical Services - Since 1964

Client: Hydro Geo Chem, Inc.

Project Name: 46500 Zero

Report Date: Thursday, December 21, 2000

CERTIFICATE OF ANALYSIS

Authorized Signature

ELAP # 1132
LACSD # 10143
AZ0526

Flags for Data Qualifiers:

- B = Compound detected in the blank. Sample result equal or less than 10 times the concentration in the blank.
- J = Estimated value, detected but below the reporting limit.
- H = Estimated value, result over the calibration range
- R = Result is suspect, LCS recovery greater than the upper control limit.
- L = Result is suspect, LCS recovery lower than the control limit.
- Q = QC result out of acceptance limits.
- T = Trace detection, detected but below the reporting limit.

Notes:

- Any remaining sample(s) for testing will be disposed of one month from the final report date unless other arrangements are made in advance.
- All results are expressed on wet weight basis unless specified.
- RL = Reporting Limit.
- ND = Not detected, below the reporting limit.
- Sub = Subcontracted analysis, original report enclosed.



Weck Laboratories, Inc.

Environmental and Analytical Services - Since 1964

Report Date: Thursday, December 21, 2000

Received Date: Friday, December 01, 2000

Log By: tn

Log Time: 13:54

Client: Hydro Geo Chem, Inc.
51 West Wetmore, Suite 101
Tucson, AZ 85705

Phone: (520) 293-1500

FAX: (520) 293-1550

Attn.: John Ward

Project: 48500 Zero

P.O. #:

Turnaround Time: Normal

CERTIFICATE OF ANALYSIS

Lab#: A008446-012

Sample ID: B-2

Matrix: Water

Sampled By: John M.

Date: 11/29/00

Time: 18:00

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed	Worksheet #
<i>Prep. Method: P&T</i>								
Dichlorodifluoromethane	ND		ug/L	1	1.0	EPA 524.2	12/14/00 rt	WS20484
Chloromethane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Vinyl chloride	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Bromomethane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Fluoroethane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Trichlorofluoromethane (Freon 11)	ND		ug/L	1	5.0	EPA 524.2	12/14/00 rt	WS20484
Trichlorotrifluoroethane (Freon 113)	ND		ug/L	1	10	EPA 524.2	12/14/00 rt	WS20484
1,1-Dichloroethene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Methylene chloride (Dichloromethane)	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
trans-1,2-Dichloroethene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Methyl tert-Butyl Ether	ND		ug/L	1	1.0	EPA 524.2	12/14/00 rt	WS20484
1,1-Dichloroethane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
2-Butanone (Methyl ethyl ketone)	ND		ug/L	1	5.0	EPA 524.2	12/14/00 rt	WS20484
2,2-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
cis-1,2-Dichloroethene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Bromochloromethane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Chloroform	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
1,1,1-Trichloroethane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Carbon tetrachloride	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
1,1-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Benzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
1,2-Dichloroethane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Trichloroethene (TCE)	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
1,2-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Dibromomethane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Bromodichloromethane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
cis-1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
4-Methyl-2-pentanone (MIBK)	ND		ug/L	1	5.0	EPA 524.2	12/14/00 rt	WS20484
2-Chloroethylvinyl ether	ND		ug/L	1	1.0	EPA 524.2	12/14/00 rt	WS20484
Toluene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
trans-1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484

Lab#: A008446

Page 1 of 3

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FAX (626) 336-2634

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Weck Laboratories, Inc.

Environmental and Analytical Services - Since 1964

Client: Hydro Geo Chem, Inc.

Project Name: 46500 Zero

Report Date: Thursday, December 21, 2000

CERTIFICATE OF ANALYSIS

Lab#: A008446-012

Sample ID: B-2

Matrix: Water

Sampled By: John M.

Date: 11/29/00

Time: 18:00

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed	Worksheet #
1,1,2-Trichloroethane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Tetrachloroethene (PCE)	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
1,3-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Dibromochloromethane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
1,2-Dibromoethane (EDB)	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Chlorobenzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Ethyl benzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
m/p-Xylenes	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
o-Xylene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Styrene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Bromoforn	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Isopropylbenzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Bromobenzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
1,1,2,2-Tetrachloroethane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
1,2,3-Trichloropropane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
n-Propyl benzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
2-Chlorotoluene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
4-Chlorotoluene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
1,3,5-Trimethylbenzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
tert-Butyl benzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
1,2,4-Trimethylbenzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
bis(2-Chloroethyl) Ether	ND		ug/L	1	5.0	EPA 524.2	12/14/00 rt	WS20484
sec-Butylbenzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
1,3-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
4-Isopropyltoluene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
1,4-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
1,2-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
n-Butylbenzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
1,2-Dibromo-3-chloropropane (DBCP)	ND		ug/L	1	1.0	EPA 524.2	12/14/00 rt	WS20484
1,2,4-Trichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Hexachlorobutadiene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Naphthalene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
1,2,3-Trichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Total 1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Tert-amyl Methyl Ether	ND		ug/L	1	3.0	EPA 524.2	12/14/00 rt	WS20484
Ethyl tert-Butyl Ether	ND		ug/L	1	3.0	EPA 524.2	12/14/00 rt	WS20484
1,1,1,2-Tetrachloroethane	ND		ug/L	1	0.5	EPA 524.2	12/14/00 rt	WS20484
Prep. Method: EPA 3510C								
1,4-Dioxane	ND		ug/L	1	2.0	EPA 8270M	12/7/00 bn	WS20227

Lab#: A008446

Page 2 of 3

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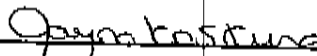
Weck Laboratories, Inc.

Environmental and Analytical Services - Since 1964

Client: Hydro Geo Chem, Inc.
Project Name: 46500 Zero

Report Date: Thursday, December 21, 2000

CERTIFICATE OF ANALYSIS


Authorized Signature

Flags for Data Qualifiers:

- B = Compound detected in the blank. Sample result equal or less than 10 times the concentration in the blank.
- J = Estimated value, detected but below the reporting limit.
- H = Estimated value, result over the calibration range
- R = Result is suspect, LCS recovery greater than the upper control limit.
- L = Result is suspect, LCS recovery lower than the control limit.
- Q = QC result out of acceptance limits.
- T = Trace detection, detected but below the reporting limit.

ELAP # 1132
LACSD # 10143
AZ0526

Notes:

- Any remaining sample(s) for testing will be disposed of one month from the final report date unless other arrangements are made in advance.
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- ND = Not detected, below the reporting limit.
- Sub = Subcontracted analysis, original report enclosed.

Lab#: A008446

Page 3 of 3

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Weck Laboratories, Inc.

Environmental and Analytical Services - Since 1964

Report Date: Thursday, December 21, 2000

Received Date: Friday, December 01, 2000

Log By: tn

Log Time: 13:54

Client: Hydro Geo Chem, Inc.
51 West Wetmore, Suite 101
Tucson, AZ 85705

Phone: (520) 293-1500

FAX: (520) 293-1550

Attn.: John Ward

Project: 46500 Zero

P.O. #:

Turnaround Time: Normal

CERTIFICATE OF ANALYSIS

Lab#: A008446-013

Sample ID: B-3

Matrix: Water

Sampled By: John M.

Date: 11/30/00

Time: 18:05

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed	Worksheet #
Prep. Method: P&T								
Dichlorodifluoromethane	ND		ug/L	1	1.0	EPA 524.2	12/14/00 rt	WS20484
Chloromethane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Vinyl chloride	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Bromomethane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Chloroethane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Trichlorofluoromethane (Freon 11)	ND		ug/L	1	5.0	EPA 524.2	12/14/00 rt	WS20484
Trichlorotrifluoroethane (Freon 113)	ND		ug/L	1	10	EPA 524.2	12/14/00 rt	WS20484
1,1-Dichloroethene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Methylene chloride (Dichloromethane)	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
trans-1,2-Dichloroethene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Methyl tert-Butyl Ether	ND		ug/L	1	1.0	EPA 524.2	12/14/00 rt	WS20484
1,1-Dichloroethane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
2-Butanone (Methyl ethyl ketone)	ND		ug/L	1	5.0	EPA 524.2	12/14/00 rt	WS20484
2,2-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
cis-1,2-Dichloroethene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Bromochloromethane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Chloroform	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
1,1,1-Trichloroethane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Carbon tetrachloride	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
1,1-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Benzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
1,2-Dichloroethane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Trichloroethene (TCE)	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
1,2-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Dibromomethane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Bromodichloromethane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
cis-1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
4-Methyl-2-pentanone (MIBK)	ND		ug/L	1	5.0	EPA 524.2	12/14/00 rt	WS20484
2-Chloroethylvinyl ether	ND		ug/L	1	1.0	EPA 524.2	12/14/00 rt	WS20484
Toluene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
trans-1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484

Lab#: A008446

Page 1 of 3

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FAX (626) 336-2634

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Client: Hydro Geo Chem, Inc.

Project Name: 46500 Zero

Report Date: Thursday, December 21, 2000

CERTIFICATE OF ANALYSIS

Lab#: A008446-013

Sample ID: B-3

Matrix: Water

Sampled By: John M.

Date: 11/30/00

Time: 18:05

Parameter	Result	Flag	Units	Dilution Factor	RL Method	Analyzed	Worksheet #
1,1,2-Trichloroethane	ND		ug/L	1	0.50 EPA 524.2	12/14/00 rt	WS20484
Tetrachloroethene (PCE)	ND		ug/L	1	0.50 EPA 524.2	12/14/00 rt	WS20484
1,3-Dichloropropane	ND		ug/L	1	0.50 EPA 524.2	12/14/00 rt	WS20484
Dibromochloromethane	ND		ug/L	1	0.50 EPA 524.2	12/14/00 rt	WS20484
1,2-Dibromoethane (EDB)	ND		ug/L	1	0.50 EPA 524.2	12/14/00 rt	WS20484
Chlorobenzene	ND		ug/L	1	0.50 EPA 524.2	12/14/00 rt	WS20484
Ethyl benzene	ND		ug/L	1	0.50 EPA 524.2	12/14/00 rt	WS20484
m/p-Xylenes	ND		ug/L	1	0.50 EPA 524.2	12/14/00 rt	WS20484
o-Xylene	ND		ug/L	1	0.50 EPA 524.2	12/14/00 rt	WS20484
Styrene	ND		ug/L	1	0.50 EPA 524.2	12/14/00 rt	WS20484
Bromoforn	ND		ug/L	1	0.50 EPA 524.2	12/14/00 rt	WS20484
Isopropylbenzene	ND		ug/L	1	0.50 EPA 524.2	12/14/00 rt	WS20484
Bromobenzene	ND		ug/L	1	0.50 EPA 524.2	12/14/00 rt	WS20484
1,1,2,2-Tetrachloroethane	ND		ug/L	1	0.50 EPA 524.2	12/14/00 rt	WS20484
1,2,3-Trichloropropane	ND		ug/L	1	0.50 EPA 524.2	12/14/00 rt	WS20484
n-Propyl benzene	ND		ug/L	1	0.50 EPA 524.2	12/14/00 rt	WS20484
m-Chlorotoluene	ND		ug/L	1	0.50 EPA 524.2	12/14/00 rt	WS20484
p-Chlorotoluene	ND		ug/L	1	0.50 EPA 524.2	12/14/00 rt	WS20484
1,3,5-Trimethylbenzene	ND		ug/L	1	0.50 EPA 524.2	12/14/00 rt	WS20484
tert-Butyl benzene	ND		ug/L	1	0.50 EPA 524.2	12/14/00 rt	WS20484
1,2,4-Trimethylbenzene	ND		ug/L	1	0.50 EPA 524.2	12/14/00 rt	WS20484
bis(2-Chloroethyl) Ether	ND		ug/L	1	0.50 EPA 524.2	12/14/00 rt	WS20484
sec-Butylbenzene	ND		ug/L	1	5.0 EPA 524.2	12/14/00 rt	WS20484
1,3-Dichlorobenzene	ND		ug/L	1	0.50 EPA 524.2	12/14/00 rt	WS20484
4-isopropyltoluene	ND		ug/L	1	0.50 EPA 524.2	12/14/00 rt	WS20484
1,4-Dichlorobenzene	ND		ug/L	1	0.50 EPA 524.2	12/14/00 rt	WS20484
1,2-Dichlorobenzene	ND		ug/L	1	0.50 EPA 524.2	12/14/00 rt	WS20484
n-Butylbenzene	ND		ug/L	1	0.50 EPA 524.2	12/14/00 rt	WS20484
1,2-Dibromo-3-chloropropane (DBCP)	ND		ug/L	1	0.50 EPA 524.2	12/14/00 rt	WS20484
1,2,4-Trichlorobenzene	ND		ug/L	1	1.0 EPA 524.2	12/14/00 rt	WS20484
Hexachlorobutadiene	ND		ug/L	1	0.50 EPA 524.2	12/14/00 rt	WS20484
Naphthalene	ND		ug/L	1	0.50 EPA 524.2	12/14/00 rt	WS20484
1,2,3-Trichlorobenzene	ND		ug/L	1	0.50 EPA 524.2	12/14/00 rt	WS20484
Total 1,3-Dichloropropene	ND		ug/L	1	0.50 EPA 524.2	12/14/00 rt	WS20484
Tert-amyl Methyl Ether	ND		ug/L	1	0.50 EPA 524.2	12/14/00 rt	WS20484
Ethyl tert-Butyl Ether	ND		ug/L	1	3.0 EPA 524.2	12/14/00 rt	WS20484
1,1,1,2-Tetrachloroethane	ND		ug/L	1	3.0 EPA 524.2	12/14/00 rt	WS20484
Prep. Method: EPA 3510C					0.5 EPA 524.2	12/14/00 rt	WS20484
1,4-Dioxane	ND		ug/L	1	2.0 EPA 8270M	12/7/00 bn	WS20227

Lab#: A008446

Page 2 of 3



Weck Laboratories, Inc.

Environmental and Analytical Services - Since 1964

Client: Hydro Geo Chem, Inc.

Project Name: 46500 Zero

Report Date: Thursday, December 21, 2000

CERTIFICATE OF ANALYSIS

Authorized Signature

ELAP # 1132
LACSD # 10143
AZ0526

Flags for Data Qualifiers:

- B = Compound detected in the blank. Sample result equal or less than 10 times the concentration in the blank.
- J = Estimated value, detected but below the reporting limit.
- H = Estimated value, result over the calibration range
- R = Result is suspect, LCS recovery greater than the upper control limit.
- L = Result is suspect, LCS recovery lower than the control limit.
- Q = QC result out of acceptance limits.
- T = Trace detection, detected but below the reporting limit.

Notes:

- Any remaining sample(s) for testing will be disposed of one month from the final report date unless other arrangements are made in advance.
- All results are expressed on wet weight basis unless specified.
- RL = Reporting Limit.
- ND = Not detected, below the reporting limit.
- Sub = Subcontracted analysis, original report enclosed.

Lab#: A008446

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Page 3 of 3



Weck Laboratories, Inc.

Environmental and Analytical Services - Since 1964

Report Date: Thursday, December 21, 2000

Received Date: Friday, December 01, 2000

Log By: tn

Log Time: 13:54

Client: Hydro Geo Chem, Inc.
51 West Wetmore, Suite 101
Tucson, AZ 85705

Phone: (520) 293-1500

FAX: (520) 293-1550

Attn.: John Ward

Project: 46500 Zero

P.O. #:

Turnaround Time: Normal

CERTIFICATE OF ANALYSIS

Lab#: A008446-014

Sample ID: TB-2 / Trip Blank

Matrix: Water

Sampled By: John M.

Date: 12/1/00

Time: 12:00

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed	Worksheet #
<i>Prep. Method: P&T</i>								
Dichlorodifluoromethane	ND		ug/L	1	1.0	EPA 524.2	12/14/00 rt	WS20484
Chloromethane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Vinyl chloride	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Bromomethane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Chloroethane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Trichlorofluoromethane (Freon 11)	ND		ug/L	1	5.0	EPA 524.2	12/14/00 rt	WS20484
Trichlorotrifluoroethane (Freon 113)	ND		ug/L	1	10	EPA 524.2	12/14/00 rt	WS20484
1,1-Dichloroethene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Methylene chloride (Dichloromethane)	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
trans-1,2-Dichloroethene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Methyl tert-Butyl Ether	ND		ug/L	1	1.0	EPA 524.2	12/14/00 rt	WS20484
1,1-Dichloroethane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
2-Butanone (Methyl ethyl ketone)	ND		ug/L	1	5.0	EPA 524.2	12/14/00 rt	WS20484
2,2-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
cis-1,2-Dichloroethene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Bromochloromethane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Chloroform	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
1,1,1-Trichloroethane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Carbon tetrachloride	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
1,1-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Benzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
1,2-Dichloroethane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Trichloroethane (TCE)	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
1,2-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Dibromomethane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Bromodichloromethane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
cis-1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
4-Methyl-2-pentanone (MIBK)	ND		ug/L	1	5.0	EPA 524.2	12/14/00 rt	WS20484
2-Chloroethylvinyl ether	ND		ug/L	1	1.0	EPA 524.2	12/14/00 rt	WS20484
Toluene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
trans-1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484

Lab#: A008446

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Weck Laboratories, Inc.

Environmental and Analytical Services - Since 1964

Client: Hydro Geo Chem, Inc.

Project Name: 46500 Zero

Report Date: Thursday, December 21, 2000

CERTIFICATE OF ANALYSIS

Lab#: A008446-014

Sample ID: TB-2 / Trip Blank

Matrix: Water

Sampled By: John M.

Date: 12/1/00

Time: 12:00

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed	Worksheet #
1,1,2-Trichloroethane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Tetrachloroethene (PCE)	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
1,3-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Dibromochloromethane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
1,2-Dibromoethane (EDB)	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Chlorobenzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Ethyl benzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
m/p-Xylenes	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
o-Xylene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Styrene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Bromoform	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Isopropylbenzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Bromobenzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
1,1,2,2-Tetrachloroethane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
1,2,3-Trichloropropane	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
n-Propyl benzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
2-Chlorotoluene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
4-Chlorotoluene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
1,3,5-Trimethylbenzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
tert-Butyl benzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
1,2,4-Trimethylbenzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
bis(2-Chloroethyl) Ether	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
sec-Butylbenzene	ND		ug/L	1	5.0	EPA 524.2	12/14/00 rt	WS20484
1,3-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
4-isopropyltoluene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
1,4-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
1,2-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
n-Butylbenzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
1,2-Dibromo-3-chloropropane (DBCP)	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
1,2,4-Trichlorobenzene	ND		ug/L	1	1.0	EPA 524.2	12/14/00 rt	WS20484
Hexachlorobutadiene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Naphthalene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
1,2,3-Trichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Total 1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Teri-amyl Methyl Ether	ND		ug/L	1	0.50	EPA 524.2	12/14/00 rt	WS20484
Ethyl tert-Butyl Ether	ND		ug/L	1	3.0	EPA 524.2	12/14/00 rt	WS20484
1,1,1,2-Tetrachloroethane	ND		ug/L	1	3.0	EPA 524.2	12/14/00 rt	WS20484
	ND		ug/L	1	0.5	EPA 524.2	12/14/00 rt	WS20484

Lab#: A008446

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Client: Hydro Geo Chem, Inc.
Project Name: 46500 Zero

Report Date: Thursday, December 21, 2000

CERTIFICATE OF ANALYSIS


Authorized Signature

Flags for Data Qualifiers:

- B = Compound detected in the blank. Sample result equal or less than 10 times the concentration in the blank.
- J = Estimated value, detected but below the reporting limit.
- H = Estimated value, result over the calibration range
- R = Result is suspect, LCS recovery greater than the upper control limit.
- L = Result is suspect, LCS recovery lower than the control limit.
- Q = QC result out of acceptance limits.
- T = Trace detection, detected but below the reporting limit.

ELAP # 1132
LACSD # 10143
AZ0526

Notes:

- Any remaining sample(s) for testing will be disposed of one month from the final report date unless other arrangements are made in advance.
- All results are expressed on wet weight basis unless specified.
- RL = Reporting Limit.
- ND = Not detected, below the reporting limit.
- Sub = Subcontracted analysis, original report enclosed.



Weck Laboratories, Inc.

Environmental and Analytical Services - Since 196

Client: Hydro Geo Chem, Inc.

Project Name: 46500 Zero

QC Report Date: Thursday, December 21, 2000

Project #:

QUALITY CONTROL REPORT

QC Lab#	TestGroup	Parameter	Sample Result	QC Result	Units	Amt. Added/ True Value	%R or RPD	%RPD for MSD	Low Limit	High Limit
A008429-008MS	8270_dio_ms	1,4-Dioxane	ND	8.58	ug/L	10	71.7		70	130
A008429-008MSD	8270_dio_msd	1,4-Dioxane	ND	8.45	ug/L	10	70.4	2	70	130
LCS	8270dio_lcs	1,4-Dioxane		9.16	ug/L	10	91.6		88	134
Method Blank	8270dio_bl	1,4-Dioxane		ND	ug/L					

Worksheet #:	Lab#:	Test Name	Analyzed Date
WS20227	A008429-001	1,4-Dioxane by GC/MS Isotopic dilution	12/7/00
WS20227	A008429-003	1,4-Dioxane by GC/MS Isotopic dilution	12/7/00
WS20227	A008429-004	1,4-Dioxane by GC/MS Isotopic dilution	12/7/00
WS20227	A008429-005	1,4-Dioxane by GC/MS Isotopic dilution	12/7/00
WS20227	A008429-006	1,4-Dioxane by GC/MS Isotopic dilution	12/7/00
WS20227	A008429-008	1,4-Dioxane by GC/MS Isotopic dilution	12/7/00
WS20227	A008446-001	1,4-Dioxane by GC/MS isotopic dilution	12/7/00
WS20227	A008446-002	1,4-Dioxane by GC/MS Isotopic dilution	12/7/00
WS20227	A008446-003	1,4-Dioxane by GC/MS Isotopic dilution	12/7/00
WS20227	A008446-004	1,4-Dioxane by GC/MS Isotopic dilution	12/7/00
WS20227	A008446-005	1,4-Dioxane by GC/MS Isotopic dilution	12/7/00
WS20227	A008446-006	1,4-Dioxane by GC/MS isotopic dilution	12/7/00
WS20227	A008446-007	1,4-Dioxane by GC/MS Isotopic dilution	12/7/00
WS20227	A008446-012	1,4-Dioxane by GC/MS Isotopic dilution	12/7/00
WS20227	A008446-013	1,4-Dioxane by GC/MS Isotopic dilution	12/7/00

Note:

ND = Not Detected

BL = Blank

MS = Matrix Spike

DUP = Duplicate

MSD = Matrix Spike Duplicate

RPD = Relative Percent Deviation

SURR = Surrogate

LCS = Laboratory Control Standard



Weck Laboratories, Inc.

Environmental and Analytical Services - Since 1964

Client: Hydro Geo Chem, Inc.
Project Name: 46500 Zero

QC Report Date: Thursday, December 21, 2000
Project #:

QUALITY CONTROL REPORT

QC Lab#	TestGroup	Parameter	Sample Result	QC Result	Units	Amt. Added/ True Value	%R or RPD	%RPD for MSD	Low Limit	High Limit
A008446-001SURR	524.2_surr	1,2-Dichloroethane-d4		1.93	ug/L	2	96.5		70	130
A008446-001SURR	524.2_surr	4-Bromofluorobenzene		2.00	ug/L	2	100		66	127
A008446-002SURR	524.2_surr	1,2-Dichloroethane-d4		2.09	ug/L	2	104.5		70	130
A008446-002SURR	524.2_surr	4-Bromofluorobenzene		2.14	ug/L	2	107		66	127
A008446-003SURR	524.2_surr	1,2-Dichloroethane-d4		2.19	ug/L	2	109.5		70	130
A008446-003SURR	524.2_surr	4-Bromofluorobenzene		2.20	ug/L	2	110		66	127
A008446-004SURR	524.2_surr	1,2-Dichloroethane-d4		2.09	ug/L	2	104.5		70	130
A008446-004SURR	524.2_surr	4-Bromofluorobenzene		2.15	ug/L	2	107.5		66	127
A008446-005SURR	524.2_surr	1,2-Dichloroethane-d4		2.05	ug/L	2	102.5		70	130
A008446-005SURR	524.2_surr	4-Bromofluorobenzene		2.11	ug/L	2	105.5		66	127
A008446-006SURR	524.2_surr	1,2-Dichloroethane-d4		1.91	ug/L	2	95.5		70	130
A008446-006SURR	524.2_surr	4-Bromofluorobenzene		2.03	ug/L	2	101.5		66	127
A008446-007SURR	524.2_surr	1,2-Dichloroethane-d4		2.01	ug/L	2	100.5		70	130
A008446-007SURR	524.2_surr	4-Bromofluorobenzene		2.02	ug/L	2	101		66	127
A008446-008SURR	524.2_surr	1,2-Dichloroethane-d4		2.06	ug/L	2	104		70	130
A008446-008SURR	524.2_surr	4-Bromofluorobenzene		2.11	ug/L	2	105.5		66	127
A008446-009SURR	524.2_surr	1,2-Dichloroethane-d4		2.09	ug/L	2	104.5		70	130
A008446-009SURR	524.2_surr	4-Bromofluorobenzene		2.17	ug/L	2	108.5		66	127
A008446-010SURR	524.2_surr	1,2-Dichloroethane-d4		2.13	ug/L	2	106.5		70	130
A008446-010SURR	524.2_surr	4-Bromofluorobenzene		2.15	ug/L	2	107.5		66	127
A008446-011SURR	524.2_surr	1,2-Dichloroethane-d4		2.17	ug/L	2	108.5		70	130
A008446-011SURR	524.2_surr	4-Bromofluorobenzene		2.18	ug/L	2	109		66	127
A008446-012SURR	524.2_surr	1,2-Dichloroethane-d4		1.85	ug/L	2	92.5		70	130
A008446-012SURR	524.2_surr	4-Bromofluorobenzene		1.92	ug/L	2	96		66	127
A008446-013SURR	524.2_surr	1,2-Dichloroethane-d4		2.07	ug/L	2	103.5		70	130
A008446-013SURR	524.2_surr	4-Bromofluorobenzene		2.08	ug/L	2	104		66	127
A008446-014SURR	524.2_surr	1,2-Dichloroethane-d4		2.08	ug/L	2	104		70	130
A008446-014SURR	524.2_surr	4-Bromofluorobenzene		2.09	ug/L	2	104.5		66	127
LCS	524.2_lcs	1,1,1,2-Tetrachloroethane		7.79	ug/L	8	97.4		70	130
LCS	524.2_lcs	1,1,1-Trichloroethane		7.91	ug/L	8	97.6		70	130
LCS	524.2_lcs	1,1,2,2-Tetrachloroethane		7.74	ug/L	8	96.8		70	130
LCS	524.2_lcs	1,1,2-Trichloroethane		7.90	ug/L	8	98.8		70	130
LCS	524.2_lcs	1,1-Dichloroethane		7.78	ug/L	8	97.3		70	130
LCS	524.2_lcs	1,1-Dichloropropene		7.64	ug/L	8	95.5		70	130
LCS	524.2_lcs	1,2,3-Trichlorobenzene		7.98	ug/L	8	98.8		70	130
LCS	524.2_lcs	1,2,3-Trichloropropane		7.60	ug/L	8	95		70	130

Note:

ND = Not Detected MS = Matrix Spike MSD = Matrix Spike Duplicate SURR = Surrogate
BL = Blank DUP = Duplicate RPD = Relative Percent Deviation LCS = Laboratory Control Standard

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Weck Laboratories, Inc.
Environmental and Analytical Services - Since 196

Client: Hydro Geo Chem, Inc.
Project Name: 46500 Zero

QC Report Date: Thursday, December 21, 2000
Project #:

QUALITY CONTROL REPORT

QC Lab#	TestGroup	Parameter	Sample Result	QC Result	Units	Amt. Added/ True Value	%R or RPD	%RPD for MSD	Low Limit	High Limit
LCS	524.2_ics	1,2,4-Trichlorobenzene		7.75	ug/L	8	96.9		70	130
LCS	524.2_ics	1,2,4-Trimethylbenzene		8.01	ug/L	8	100.1		70	130
LCS	524.2_ics	1,2-Dibromo-3-chloropropane (DBCP)		7.44	ug/L	8	93		70	130
LCS	524.2_ics	1,2-Dibromoethane (EDB)		8.10	ug/L	8	101.3		70	130
LCS	524.2_ics	1,2-Dichlorobenzene		7.73	ug/L	8	96.6		70	130
LCS	524.2_ics	1,2-Dichloroethane		7.67	ug/L	8	95.9		70	130
LCS	524.2_ics	1,2-Dichloropropane		7.78	ug/L	8	97.3		70	130
LCS	524.2_ics	1,3,5-Trimethylbenzene		7.97	ug/L	8	99.6		70	130
LCS	524.2_ics	1,3-Dichlorobenzene		7.85	ug/L	8	98.1		70	130
LCS	524.2_ics	1,3-Dichloropropane		7.88	ug/L	8	98.5		70	130
LCS	524.2_ics	1,4-Dichlorobenzene		7.75	ug/L	8	96.9		70	130
LCS	524.2_ics	2,2-Dichloropropane		6.73	ug/L	8	84.1		70	130
LCS	524.2_ics	2-chlorotoluene		7.93	ug/L	8	97.9		70	130
LCS	524.2_ics	4-Chlorotoluene		7.80	ug/L	8	97.5		70	130
LCS	524.2_ics	4-Isopropyltoluene		8.11	ug/L	8	101.4		70	130
LCS	524.2_ics	Benzene		7.81	ug/L	8	97.8		70	130
LCS	524.2_ics	Bromobenzene		7.71	ug/L	8	96.4		70	130
LCS	524.2_ics	Bromochloromethane		7.88	ug/L	8	98.5		70	130
LCS	524.2_ics	Bromodichloromethane		7.92	ug/L	8	99		70	130
LCS	524.2_ics	Bromoform		7.66	ug/L	8	95.8		70	130
LCS	524.2_ics	Bromomethane		8.06	ug/L	8	100.8		70	130
LCS	524.2_ics	Carbon Tetrachloride		7.92	ug/L	8	99		70	130
LCS	524.2_ics	Chlorobenzene		7.78	ug/L	8	97.3		70	130
LCS	524.2_ics	Chloroethane		7.62	ug/L	8	95.3		70	130
LCS	524.2_ics	Chloroform		7.53	ug/L	8	94.1		70	130
LCS	524.2_ics	Chloromethane		7.36	ug/L	8	92		70	130
LCS	524.2_ics	cis-1,2-Dichloroethene		7.82	ug/L	8	97.8		70	130
LCS	524.2_ics	cis-1,3-Dichloropropene		7.52	ug/L	8	94		70	130
LCS	524.2_ics	Dibromochloromethane		7.87	ug/L	8	98.4		70	130
LCS	524.2_ics	Dibromomethane		7.89	ug/L	8	98.6		70	130
LCS	524.2_ics	Dichlorodifluoromethane		7.37	ug/L	8	92.1		70	130
LCS	524.2_ics	Ethyl benzene		7.96	ug/L	8	99.5		70	130
LCS	524.2_ics	Hexachlorobutadiene		8.06	ug/L	8	100.8		70	130
LCS	524.2_ics	Isopropylbenzene		8.03	ug/L	8	100.4		70	130
LCS	524.2_ics	m/p-Xylenes		15.8	ug/L	16	98.6		70	130
LCS	524.2_ics	Methylene chloride (Dichloromethane)		7.98	ug/L	8	99.8		70	130
LCS	524.2_ics	n-Butyl benzene		8.04	ug/L	8	100.5		70	130

Note:

ND = Not Detected
BL = Blank

MS = Matrix Spike
DUP = Duplicate

MSD = Matrix Spike Duplicate
RPD = Relative Percent Deviation

SURR = Surrogate
LCS = Laboratory Control Standard



Weck Laboratories, Inc.

Environmental and Analytical Services - Since 1964

Client: Hydro Geo Chem, Inc.
Project Name: 46500 Zero

QC Report Date: Thursday, December 21, 2000
Project #:

QUALITY CONTROL REPORT

QC Lab#	TestGroup	Parameter	Sample Result	QC Result	Units	Amt. Added/ True Value	%R or RPD	%RPD for MSD	Low Limit	High Limit
LCS	524.2_lcs	n-Propyl benzene		8.13	ug/L	8	101.6		70	130
LCS	524.2_lcs	Naphthalene		8.15	ug/L	8	101.9		70	130
LCS	524.2_lcs	o-Xylene		7.91	ug/L	8	98.9		70	130
LCS	524.2_lcs	sec-Butyl benzene		8.13	ug/L	8	101.6		70	130
LCS	524.2_lcs	Styrene		7.90	ug/L	8	98.8		70	130
LCS	524.2_lcs	tert-Butyl benzene		7.99	ug/L	8	99.9		70	130
LCS	524.2_lcs	Tetrachloroethene (PCE)		7.74	ug/L	8	96.8		70	130
LCS	524.2_lcs	Toluene		7.89	ug/L	8	98.6		70	130
LCS	524.2_lcs	trans-1,2-Dichloroethene		7.81	ug/L	8	97.6		70	130
LCS	524.2_lcs	trans-1,3-Dichloropropene		7.56	ug/L	8	94.5		70	130
LCS	524.2_lcs	Trichloroethene (TCE)		7.89	ug/L	8	98.6		70	130
LCS	524.2_lcs	Trichlorofluoromethane (Freon 11)		7.89	ug/L	8	98.6		70	130
LCS	524.2_lcs	Vinyl Chloride		7.93	ug/L	8	99.1		70	130
Method Blank	524.2_bl	1,1,1,2-Tetrachloroethane		ND	ug/L				70	130
Method Blank	524.2_bl	1,1,1-Trichloroethane		ND	ug/L				70	130
Method Blank	524.2_bl	1,1,2,2-Tetrachloroethane		ND	ug/L				70	130
Method Blank	524.2_bl	1,1,2-Trichloroethane		ND	ug/L				70	130
Method Blank	524.2_bl	1,1-Dichloroethane		ND	ug/L				70	130
Method Blank	524.2_bl	1,1-Dichloroethene		ND	ug/L				70	130
Method Blank	524.2_bl	1,1-Dichloropropene		ND	ug/L				70	130
Method Blank	524.2_bl	1,2,3-Trichlorobenzene		ND	ug/L				70	130
Method Blank	524.2_bl	1,2,3-Trichloropropane		ND	ug/L				70	130
Method Blank	524.2_bl	1,2,4-Trichlorobenzene		ND	ug/L				70	130
Method Blank	524.2_bl	1,2,4-Trimethylbenzene		ND	ug/L				70	130
Method Blank	524.2_bl	1,2-Dibromo-3-chloropropane (DBCP)		ND	ug/L				70	130
Method Blank	524.2_bl	1,2-Dibromoethane (EDB)		ND	ug/L				70	130
Method Blank	524.2_bl	1,2-Dichlorobenzene		ND	ug/L				70	130
Method Blank	524.2_bl	1,2-Dichloroethane		ND	ug/L				70	130
Method Blank	524.2_bl	1,2-Dichloropropane		ND	ug/L				70	130
Method Blank	524.2_bl	1,3,5-Trimethylbenzene		ND	ug/L				70	130
Method Blank	524.2_bl	1,3-Dichlorobenzene		ND	ug/L				70	130
Method Blank	524.2_bl	1,3-Dichloropropane		ND	ug/L				70	130
Method Blank	524.2_bl	1,4-Dichlorobenzene		ND	ug/L				70	130
Method Blank	524.2_bl	2,2-Dichloropropane		ND	ug/L				70	130
Method Blank	524.2_bl	2-chloroethylvinyl Ether		ND	ug/L				70	130
Method Blank	524.2_bl	2-chlorotoluene		ND	ug/L				70	130
Method Blank	524.2_bl	4-Chlorotoluene		ND	ug/L				70	130

Note:

ND = Not Detected

MS = Matrix Spike

MSD = Matrix Spike Duplicate

SURR = Surrogate

BL = Blank

DUP = Duplicate

RPD = Relative Percent Deviation

LCS = Laboratory Control Standard

Page 7 of 9



Client: Hydro Geo Chem, Inc.
Project Name: 46500 Zero

QC Report Date: Thursday, December 21, 2000
Project #:

QUALITY CONTROL REPORT

QC Lab#	TestGroup	Parameter	Sample Result	QC Result	Units	Amt. Added/ True Value	%R or RPD	%RPD for MSD	Low Limit	High Limit
Method Blank	524.2_bl	4-Isopropyltoluene		ND	ug/L				70	130
Method Blank	524.2_bl	4-Methyl-2-pentanone (MIBK)		ND	ug/L				70	130
Method Blank	524.2_bl	Benzene		ND	ug/L				70	130
Method Blank	524.2_bl	bis(2-Chloroethyl) Ether		ND	ug/L				70	130
Method Blank	524.2_bl	Bromobenzene		ND	ug/L				70	130
Method Blank	524.2_bl	Bromochloromethane		ND	ug/L				70	130
Method Blank	524.2_bl	Bromodichloromethane		ND	ug/L				70	130
Method Blank	524.2_bl	Bromoform		ND	ug/L				70	130
Method Blank	524.2_bl	Bromomethane		ND	ug/L				70	130
Method Blank	524.2_bl	Carbon Tetrachloride		ND	ug/L				70	130
Method Blank	524.2_bl	Chlorobenzene		ND	ug/L				70	130
Method Blank	524.2_bl	Chloroethane		ND	ug/L				70	130
Method Blank	524.2_bl	Chloroform		ND	ug/L				70	130
Method Blank	524.2_bl	Chloromethane		ND	ug/L				70	130
Method Blank	524.2_bl	cis-1,2-Dichloroethene		ND	ug/L				70	130
Method Blank	524.2_bl	cis-1,3-Dichloropropene		ND	ug/L				70	130
Method Blank	524.2_bl	Dibromochloromethane		ND	ug/L				70	130
Method Blank	524.2_bl	Dibromomethane		ND	ug/L				70	130
Method Blank	524.2_bl	Dichlorodifluoromethane		ND	ug/L				70	130
Method Blank	524.2_bl	Ethyl benzene		ND	ug/L				70	130
Method Blank	524.2_bl	Ethyl tert-Butyl Ether		ND	ug/L				70	130
Method Blank	524.2_bl	Hexachlorobutadiene		ND	ug/L				70	130
Method Blank	524.2_bl	isopropylbenzene		ND	ug/L				70	130
Method Blank	524.2_bl	m/p-Xylenes		ND	ug/L				70	130
Method Blank	524.2_bl	Methylene chloride (Dichloromethane)		ND	ug/L				70	130
Method Blank	524.2_bl	n-Butyl benzene		ND	ug/L				70	130
Method Blank	524.2_bl	n-Propyl benzene		ND	ug/L				70	130
Method Blank	524.2_bl	Naphthalene		ND	ug/L				70	130
Method Blank	524.2_bl	o-Xylene		ND	ug/L				70	130
Method Blank	524.2_bl	sec-Butyl benzene		ND	ug/L				70	130
Method Blank	524.2_bl	Styrene		ND	ug/L				70	130
Method Blank	524.2_bl	Tert-amyl Methyl Ether		ND	ug/L				70	130
Method Blank	524.2_bl	tert-Butyl benzene		ND	ug/L				70	130
Method Blank	524.2_bl	Tetrachloroethene (PCE)		ND	ug/L				70	130
Method Blank	524.2_bl	Toluene		ND	ug/L				70	130
Method Blank	524.2_bl	Total 1,3-Dichloropropene		ND	ug/L				70	130
Method Blank	524.2_bl	trans-1,2-Dichloroethene		ND	ug/L				70	130

Note:

ND = Not Detected MS = Matrix Spike MSD = Matrix Spike Duplicate SURR = Surrogate
BL = Blank DUP = Duplicate RPD = Relative Percent Deviation LCS = Laboratory Control Standard



Weck Laboratories, Inc.

Environmental and Analytical Services - Since 1964

Client: Hydro Geo Chem, Inc.

QC Report Date: Thursday, December 21, 2000

Project Name: 46500 Zero

Project #:

QUALITY CONTROL REPORT

QC Lab#	TestGroup	Parameter	Sample Result	QC Result	Units	Amt. Added/ True Value	%R or RPD	%RPD for MSD	Low Limit	High Limit
Method Blank	524.2_bl	trans-1,3-Dichloropropene		ND	ug/L				70	130
Method Blank	524.2_bl	Trichloroethene (TCE)		ND	ug/L				70	130
Method Blank	524.2_bl	Trichlorofluoromethane (Freon 11)		ND	ug/L				70	130
Method Blank	524.2_bl	Vinyl Chloride		ND	ug/L				70	130

Worksheet #:	Lab#:	Test Name	Analyzed Date
WS20484	A008446-001	Volatile Organics by EPA 524.2	12/14/00
WS20484	A008446-002	Volatile Organics by EPA 524.2	12/14/00
WS20484	A008446-003	Volatile Organics by EPA 524.2	12/14/00
WS20484	A008446-004	Volatile Organics by EPA 524.2	12/14/00
WS20484	A008446-005	Volatile Organics by EPA 524.2	12/14/00
WS20484	A008446-006	Volatile Organics by EPA 524.2	12/14/00
WS20484	A008446-007	Volatile Organics by EPA 524.2	12/14/00
WS20484	A008446-008	Volatile Organics by EPA 524.2	12/14/00
WS20484	A008446-009	Volatile Organics by EPA 524.2	12/14/00
WS20484	A008446-010	Volatile Organics by EPA 524.2	12/14/00
WS20484	A008446-011	Volatile Organics by EPA 524.2	12/14/00
WS20484	A008446-012	Volatile Organics by EPA 524.2	12/14/00
WS20484	A008446-013	Volatile Organics by EPA 524.2	12/14/00
WS20484	A008446-014	Volatile Organics by EPA 524.2	12/14/00

Note:

ND = Not Detected

MS = Matrix Spike

MSD = Matrix Spike Duplicate

SURR = Surrogate

BL = Blank

DUP = Duplicate

RPD = Relative Percent Deviation

LCS = Laboratory Control Standard



Weck Laboratories, Inc.

Environmental and Analytical Services - Since 1964

Report Date: Tuesday, December 26, 2000

Received Date: Wednesday, November 29, 2000

Log By: mr

Log Time: 13:10

Client: Hydro Geo Chem, Inc.
51 West Wetmore, Suite 101
Tucson, AZ 85705

Phone: (520) 293-1500

FAX: (520) 293-1550

Attn.: John Ward

Project: Zero

P.O. #: 46500

Turnaround Time: Normal

CERTIFICATE OF ANALYSIS

Lab#: A008393-002

Sample ID: CW-1

Matrix: Ground Water

Sampled By: Client

Date: 11/28/00

Time: 12:50

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed	Worksheet #
<i>Prep. Method: P&T</i>								
Dichlorodifluoromethane	ND		ug/L	20	20	EPA 524.2	12/6/00 rt	WS20228
Chloromethane	ND		ug/L	20	10.0	EPA 524.2	12/6/00 rt	WS20228
Vinyl chloride	ND		ug/L	20	10.0	EPA 524.2	12/6/00 rt	WS20228
Bromomethane	ND		ug/L	20	10.0	EPA 524.2	12/6/00 rt	WS20228
Chloroethane	ND		ug/L	20	10.0	EPA 524.2	12/6/00 rt	WS20228
Trichlorofluoromethane (Freon 11)	ND		ug/L	20	100	EPA 524.2	12/6/00 rt	WS20228
Trichlorotrifluoroethane (Freon 113)	ND		ug/L	20	200	EPA 524.2	12/6/00 rt	WS20228
1,1-Dichloroethene	ND		ug/L	20	10.0	EPA 524.2	12/6/00 rt	WS20228
Methylene chloride (Dichloromethane)	ND		ug/L	20	10.0	EPA 524.2	12/6/00 rt	WS20228
trans-1,2-Dichloroethene	ND		ug/L	20	10.0	EPA 524.2	12/6/00 rt	WS20228
Methyl tert-Butyl Ether	ND		ug/L	20	20	EPA 524.2	12/6/00 rt	WS20228
1,1-Dichloroethane	ND		ug/L	20	10.0	EPA 524.2	12/6/00 rt	WS20228
2-Butanone (Methyl ethyl ketone)	ND		ug/L	20	100	EPA 524.2	12/6/00 rt	WS20228
2,2-Dichloropropane	ND		ug/L	20	10.0	EPA 524.2	12/6/00 rt	WS20228
cis-1,2-Dichloroethene	ND		ug/L	20	10.0	EPA 524.2	12/6/00 rt	WS20228
Bromochloromethane	ND		ug/L	20	10.0	EPA 524.2	12/6/00 rt	WS20228
Chloroform	ND		ug/L	20	10.0	EPA 524.2	12/6/00 rt	WS20228
1,1,1-Trichloroethane	ND		ug/L	20	10.0	EPA 524.2	12/6/00 rt	WS20228
Carbon tetrachloride	ND		ug/L	20	10.0	EPA 524.2	12/6/00 rt	WS20228
1,1-Dichloropropene	ND		ug/L	20	10.0	EPA 524.2	12/6/00 rt	WS20228
Benzene	ND		ug/L	20	10.0	EPA 524.2	12/6/00 rt	WS20228
1,2-Dichloroethane	ND		ug/L	20	10.0	EPA 524.2	12/6/00 rt	WS20228
Trichloroethene (TCE)	ND		ug/L	20	10.0	EPA 524.2	12/6/00 rt	WS20228
1,2-Dichloropropane	ND		ug/L	20	10.0	EPA 524.2	12/6/00 rt	WS20228
Dibromomethane	ND		ug/L	20	10.0	EPA 524.2	12/6/00 rt	WS20228
Bromodichloromethane	ND		ug/L	20	10.0	EPA 524.2	12/6/00 rt	WS20228
cis-1,3-Dichloropropene	ND		ug/L	20	10.0	EPA 524.2	12/6/00 rt	WS20228
4-Methyl-2-pentanone (MIBK)	ND		ug/L	20	100	EPA 524.2	12/6/00 rt	WS20228
2-Chloroethylvinyl ether	ND		ug/L	20	20	EPA 524.2	12/6/00 rt	WS20228
Toluene	ND		ug/L	20	10.0	EPA 524.2	12/6/00 rt	WS20228
trans-1,3-Dichloropropene	ND		ug/L	20	10.0	EPA 524.2	12/6/00 rt	WS20228

Lab#: A008393

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14859 East Clark Avenue, City of Industry, California 91745-1396

(626) 336-2139

FAX (626) 336-2634

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Weck Laboratories, Inc.

Environmental and Analytical Services - Since 1964

Client: Hydro Geo Chem, Inc.

Project Name: Zero

Report Date: Tuesday, December 26, 2000

CERTIFICATE OF ANALYSIS

Lab#: A008393-002

Sample ID: CW-1

Matrix: Ground Water

Sampled By: Client

Date: 11/28/00

Time: 12:50

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed	Worksheet #
1,1,2-Trichloroethane	ND		ug/L	20	10.0	EPA 524.2	12/6/00 rt	WS20228
Tetrachloroethane (PCE)	ND		ug/L	20	10.0	EPA 524.2	12/6/00 rt	WS20228
1,3-Dichloropropane	ND		ug/L	20	10.0	EPA 524.2	12/6/00 rt	WS20228
Dibromochloromethane	ND		ug/L	20	10.0	EPA 524.2	12/6/00 rt	WS20228
1,2-Dibromoethane (EDB)	ND		ug/L	20	10.0	EPA 524.2	12/6/00 rt	WS20228
Chlorobenzene	ND		ug/L	20	10.0	EPA 524.2	12/6/00 rt	WS20228
Ethyl benzene	ND		ug/L	20	10.0	EPA 524.2	12/6/00 rt	WS20228
m/p-Xylenes	ND		ug/L	20	10.0	EPA 524.2	12/6/00 rt	WS20228
o-Xylene	ND		ug/L	20	10.0	EPA 524.2	12/6/00 rt	WS20228
Styrene	ND		ug/L	20	10.0	EPA 524.2	12/6/00 rt	WS20228
Bromoform	ND		ug/L	20	10.0	EPA 524.2	12/6/00 rt	WS20228
Isopropylbenzene	ND		ug/L	20	10.0	EPA 524.2	12/6/00 rt	WS20228
Bromobenzene	ND		ug/L	20	10.0	EPA 524.2	12/6/00 rt	WS20228
1,1,2,2-Tetrachloroethane	ND		ug/L	20	10.0	EPA 524.2	12/6/00 rt	WS20228
1,2,3-Trichloropropane	ND		ug/L	20	10.0	EPA 524.2	12/6/00 rt	WS20228
n-Propyl benzene	ND		ug/L	20	10.0	EPA 524.2	12/6/00 rt	WS20228
2-Chlorotoluene	ND		ug/L	20	10.0	EPA 524.2	12/6/00 rt	WS20228
Chlorotoluene	ND		ug/L	20	10.0	EPA 524.2	12/6/00 rt	WS20228
1,3,5-Trimethylbenzene	ND		ug/L	20	10.0	EPA 524.2	12/6/00 rt	WS20228
tert-Butyl benzene	ND		ug/L	20	10.0	EPA 524.2	12/6/00 rt	WS20228
1,2,4-Trimethylbenzene	ND		ug/L	20	10.0	EPA 524.2	12/6/00 rt	WS20228
bis(2-Chloroethyl) Ether	ND		ug/L	20	10.0	EPA 524.2	12/6/00 rt	WS20228
sec-Butylbenzene	ND		ug/L	20	100	EPA 524.2	12/6/00 rt	WS20228
1,3-Dichlorobenzene	ND		ug/L	20	10.0	EPA 524.2	12/6/00 rt	WS20228
4-Isopropyltoluene	ND		ug/L	20	10.0	EPA 524.2	12/6/00 rt	WS20228
1,4-Dichlorobenzene	ND		ug/L	20	10.0	EPA 524.2	12/6/00 rt	WS20228
1,2-Dichlorobenzene	ND		ug/L	20	10.0	EPA 524.2	12/6/00 rt	WS20228
n-Butylbenzene	ND		ug/L	20	10.0	EPA 524.2	12/6/00 rt	WS20228
1,2-Dibromo-3-chloropropane (DBCP)	ND		ug/L	20	10.0	EPA 524.2	12/6/00 rt	WS20228
1,2,4-Trichlorobenzene	ND		ug/L	20	20	EPA 524.2	12/6/00 rt	WS20228
Hexachlorobutadiene	ND		ug/L	20	10.0	EPA 524.2	12/6/00 rt	WS20228
Naphthalene	ND		ug/L	20	10.0	EPA 524.2	12/6/00 rt	WS20228
1,2,3-Trichlorobenzene	ND		ug/L	20	10.0	EPA 524.2	12/6/00 rt	WS20228
Total 1,3-Dichloropropene	ND		ug/L	20	10.0	EPA 524.2	12/6/00 rt	WS20228
Tert-amyl Methyl Ether	ND		ug/L	20	10.0	EPA 524.2	12/6/00 rt	WS20228
Ethyl tert-Butyl Ether	ND		ug/L	20	60	EPA 524.2	12/6/00 rt	WS20228
1,1,1,2-Tetrachloroethane	ND		ug/L	20	60	EPA 524.2	12/6/00 rt	WS20228
			ug/L	20	10.0	EPA 524.2	12/6/00 rt	WS20228

Lab#: A008393

Page 2 of 3

14859 East Clark Avenue, City of Industry, California 91745-1396
www.wecklabs.com

(626) 336-2139

FAX (626) 336-2634



Weck Laboratories, Inc.

Environmental and Analytical Services - Since 1964

Client: Hydro Geo Chem, Inc.

Report Date: Tuesday, December 26, 2000

Project Name: Zero

CERTIFICATE OF ANALYSIS

Authorized Signature

ELAP # 1132
LACSD # 10143
AZ0526

Flags for Data Qualifiers:

- B = Compound detected in the blank. Sample result equal or less than 5 times the concentration in the blank.
- J = Estimated value, detected but below the reporting limit.
- H = Estimated value, result over the calibration range
- R = Result is suspect, LCS recovery greater than the upper control limit.
- L = Result is suspect, LCS recovery lower than the control limit.
- Q = QC result out of acceptance limits.
- T = Trace detection, detected but below the reporting limit.

Notes:

- Any remaining sample(s) for testing will be disposed of one month from the final report date unless other arrangements are made in advance.
- All results are expressed on wet weight basis unless specified.
- RL = Reporting Limit.
- ND = Not detected, below the reporting limit.
- Sub = Subcontracted analysis, original report enclosed.



Weck Laboratories, Inc.

Environmental and Analytical Services - Since 1964

Report Date: Tuesday, December 26, 2000

Received Date: Wednesday, November 29, 2000

Log By: mr

Log Time: 13:10

Client: Hydro Geo Chem, Inc.
51 West Wetmore, Suite 101
Tucson, AZ 85705

Phone: (520) 293-1500

FAX: (520) 293-1550

Attn.: John Ward

Project: Zero

P.O. #: 46500

Turnaround Time: Normal

CERTIFICATE OF ANALYSIS

Lab#: A008393-003

Sample ID: RW-1

Matrix: Ground Water

Sampled By: Client

Date: 11/28/00

Time: 12:55

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed	Worksheet #
<i>Prep. Method: P&T</i>								
Dichlorodifluoromethane	ND		ug/L	1	1.0 EPA 524.2		12/6/00 rt	WS20228
Chloromethane	ND		ug/L	1	0.50 EPA 524.2		12/6/00 rt	WS20228
Vinyl chloride	ND		ug/L	1	0.50 EPA 524.2		12/6/00 rt	WS20228
Bromomethane	ND		ug/L	1	0.50 EPA 524.2		12/6/00 rt	WS20228
Chloroethane	ND		ug/L	1	0.50 EPA 524.2		12/6/00 rt	WS20228
Trichlorofluoromethane (Freon 11)	ND		ug/L	1	5.0 EPA 524.2		12/6/00 rt	WS20228
Trichlorotrifluoroethane (Freon 113)	ND		ug/L	1	10 EPA 524.2		12/6/00 rt	WS20228
1,1-Dichloroethene	ND		ug/L	1	0.50 EPA 524.2		12/6/00 rt	WS20228
Methylene chloride (Dichloromethane)	ND		ug/L	1	0.50 EPA 524.2		12/6/00 rt	WS20228
trans-1,2-Dichloroethene	ND		ug/L	1	0.50 EPA 524.2		12/6/00 rt	WS20228
Methyl tert-Butyl Ether	ND		ug/L	1	1.0 EPA 524.2		12/6/00 rt	WS20228
1,1-Dichloroethane	ND		ug/L	1	0.50 EPA 524.2		12/6/00 rt	WS20228
2-Butanone (Methyl ethyl ketone)	ND		ug/L	1	5.0 EPA 524.2		12/6/00 rt	WS20228
2,2-Dichloropropane	ND		ug/L	1	0.50 EPA 524.2		12/6/00 rt	WS20228
cis-1,2-Dichloroethene	ND		ug/L	1	0.50 EPA 524.2		12/6/00 rt	WS20228
Bromochloromethane	ND		ug/L	1	0.50 EPA 524.2		12/6/00 rt	WS20228
Chloroform	6.0		ug/L	1	0.50 EPA 524.2		12/6/00 rt	WS20228
1,1,1-Trichloroethane	ND		ug/L	1	0.50 EPA 524.2		12/6/00 rt	WS20228
Carbon tetrachloride	ND		ug/L	1	0.50 EPA 524.2		12/6/00 rt	WS20228
1,1-Dichloropropene	ND		ug/L	1	0.50 EPA 524.2		12/6/00 rt	WS20228
Benzene	ND		ug/L	1	0.50 EPA 524.2		12/6/00 rt	WS20228
1,2-Dichloroethane	ND		ug/L	1	0.50 EPA 524.2		12/6/00 rt	WS20228
Trichloroethene (TCE)	ND		ug/L	1	0.50 EPA 524.2		12/6/00 rt	WS20228
1,2-Dichloropropane	ND		ug/L	1	0.50 EPA 524.2		12/6/00 rt	WS20228
Dibromomethane	ND		ug/L	1	0.50 EPA 524.2		12/6/00 rt	WS20228
Bromodichloromethane	9.4		ug/L	1	0.50 EPA 524.2		12/6/00 rt	WS20228
cis-1,3-Dichloropropene	ND		ug/L	1	0.50 EPA 524.2		12/6/00 rt	WS20228
4-Methyl-2-pentanone (MIBK)	ND		ug/L	1	5.0 EPA 524.2		12/6/00 rt	WS20228
2-Chloroethylvinyl ether	ND		ug/L	1	1.0 EPA 524.2		12/6/00 rt	WS20228
Toluene	ND		ug/L	1	0.50 EPA 524.2		12/6/00 rt	WS20228
trans-1,3-Dichloropropene	ND		ug/L	1	0.50 EPA 524.2		12/6/00 rt	WS20228

Lab#: A008393

Page 1 of 3

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(626) 336-2139

FAX (626) 336-2634

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Weck Laboratories, Inc.

Environmental and Analytical Services - Since 1964

Client: Hydro Geo Chem, Inc.
Project Name: Zero

Report Date: Tuesday, December 26, 2000

CERTIFICATE OF ANALYSIS

Lab#: A008393-003

Sample ID: RW-1

Matrix: Ground Water

Sampled By: Client

Date: 11/28/00

Time: 12:55

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed	Worksheet #
1,1,2-Trichloroethane	ND		ug/L	1	0.50	EPA 524.2	12/6/00 rt	WS20228
Tetrachloroethane (PCE)	ND		ug/L	1	0.50	EPA 524.2	12/6/00 rt	WS20228
1,3-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	12/6/00 rt	WS20228
Dibromochloromethane	10		ug/L	1	0.50	EPA 524.2	12/6/00 rt	WS20228
1,2-Dibromoethane (EDB)	ND		ug/L	1	0.50	EPA 524.2	12/6/00 rt	WS20228
Chlorobenzene	ND		ug/L	1	0.50	EPA 524.2	12/6/00 rt	WS20228
Ethyl benzene	ND		ug/L	1	0.50	EPA 524.2	12/6/00 rt	WS20228
m/p-Xylenes	ND		ug/L	1	0.50	EPA 524.2	12/6/00 rt	WS20228
o-Xylene	ND		ug/L	1	0.50	EPA 524.2	12/6/00 rt	WS20228
Styrene	ND		ug/L	1	0.50	EPA 524.2	12/6/00 rt	WS20228
Bromoform	2.3		ug/L	1	0.50	EPA 524.2	12/6/00 rt	WS20228
Isopropylbenzene	ND		ug/L	1	0.50	EPA 524.2	12/6/00 rt	WS20228
Bromobenzene	ND		ug/L	1	0.50	EPA 524.2	12/6/00 rt	WS20228
1,1,2,2-Tetrachloroethane	ND		ug/L	1	0.50	EPA 524.2	12/6/00 rt	WS20228
1,2,3-Trichloropropane	ND		ug/L	1	0.50	EPA 524.2	12/6/00 rt	WS20228
n-Propyl benzene	ND		ug/L	1	0.50	EPA 524.2	12/6/00 rt	WS20228
2-Chlorotoluene	ND		ug/L	1	0.50	EPA 524.2	12/6/00 rt	WS20228
4-Chlorotoluene	ND		ug/L	1	0.50	EPA 524.2	12/6/00 rt	WS20228
1,3,5-Trimethylbenzene	ND		ug/L	1	0.50	EPA 524.2	12/6/00 rt	WS20228
tert-Butyl benzene	ND		ug/L	1	0.50	EPA 524.2	12/6/00 rt	WS20228
1,2,4-Trimethylbenzene	ND		ug/L	1	0.50	EPA 524.2	12/6/00 rt	WS20228
bis(2-Chloroethyl) Ether	ND		ug/L	1	0.50	EPA 524.2	12/6/00 rt	WS20228
sec-Butylbenzene	ND		ug/L	1	5.0	EPA 524.2	12/6/00 rt	WS20228
1,3-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	12/6/00 rt	WS20228
4-isopropyltoluene	ND		ug/L	1	0.50	EPA 524.2	12/6/00 rt	WS20228
1,4-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	12/6/00 rt	WS20228
1,2-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	12/6/00 rt	WS20228
n-Butylbenzene	ND		ug/L	1	0.50	EPA 524.2	12/6/00 rt	WS20228
1,2-Dibromo-3-chloropropane (DBCP)	ND		ug/L	1	0.50	EPA 524.2	12/6/00 rt	WS20228
1,2,4-Trichlorobenzene	ND		ug/L	1	1.0	EPA 524.2	12/6/00 rt	WS20228
Hexachlorobutadiene	ND		ug/L	1	0.50	EPA 524.2	12/6/00 rt	WS20228
Naphthalene	ND		ug/L	1	0.50	EPA 524.2	12/6/00 rt	WS20228
1,2,3-Trichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	12/6/00 rt	WS20228
Total 1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	12/6/00 rt	WS20228
Tert-amyl Methyl Ether	ND		ug/L	1	3.0	EPA 524.2	12/6/00 rt	WS20228
Ethyl tert-Butyl Ether	ND		ug/L	1	3.0	EPA 524.2	12/6/00 rt	WS20228
1,1,1,2-Tetrachloroethane	ND		ug/L	1	0.5	EPA 524.2	12/6/00 rt	WS20228

Lab#: A008393

Page 2 of 3

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Weck Laboratories, Inc.

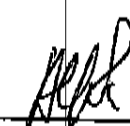
Environmental and Analytical Services - Since 1964

Client: Hydro Geo Chem, Inc.

Report Date: Tuesday, December 26, 2000

Project Name: Zero

CERTIFICATE OF ANALYSIS


Authorized Signature

ELAP # 1132
LACSD # 10143
AZ0528

Flags for Data Qualifiers:

- B = Compound detected in the blank. Sample result equal or less than 5 times the concentration in the blank.
- J = Estimated value, detected but below the reporting limit.
- H = Estimated value, result over the calibration range
- R = Result is suspect, LCS recovery greater than the upper control limit.
- L = Result is suspect, LCS recovery lower than the control limit.
- Q = QC result out of acceptance limits.
- T = Trace detection, detected but below the reporting limit.

Notes:

- Any remaining sample(s) for testing will be disposed of one month from the final report date unless other arrangements are made in advance.
- All results are expressed on wet weight basis unless specified.
- RL = Reporting Limit.
- ND = Not detected, below the reporting limit.
- Sub = Subcontracted analysis, original report enclosed.



Weck Laboratories, Inc.

Environmental and Analytical Services • Since 1964

Report Date: Tuesday, December 26, 2000

Received Date: Wednesday, November 29, 2000

Log By: mr

Log Time: 13:10

Client: Hydro Geo Chem, Inc.
51 West Wetmore, Suite 101
Tucson, AZ 85705

Phone: (520) 293-1500

FAX: (520) 293-1550

Attn.: John Ward

Project: Zero

P.O. #: 46500

Turnaround Time: Normal

CERTIFICATE OF ANALYSIS

Lab#: A008393-010

Sample ID: B-1 / Zero

Matrix: Ground Water

Sampled By: Client

Date: 11/28/00

Time: 17:00

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed	Worksheet #
<i>Prep. Method: P&T</i>								
Dichlorodifluoromethane	ND		ug/L	1	1.0 EPA	524.2	12/6/00 rt	WS20228
Chloromethane	ND		ug/L	1	0.50 EPA	524.2	12/6/00 rt	WS20228
Vinyl chloride	ND		ug/L	1	0.50 EPA	524.2	12/6/00 rt	WS20228
Bromomethane	ND		ug/L	1	0.50 EPA	524.2	12/6/00 rt	WS20228
Chloroethane	ND		ug/L	1	0.50 EPA	524.2	12/6/00 rt	WS20228
Trichlorofluoromethane (Freon 11)	ND		ug/L	1	5.0 EPA	524.2	12/6/00 rt	WS20228
Trichlorotrifluoroethane (Freon 113)	ND		ug/L	1	10 EPA	524.2	12/6/00 rt	WS20228
1,1-Dichloroethene	ND		ug/L	1	0.50 EPA	524.2	12/6/00 rt	WS20228
Methylene chloride (Dichloromethane)	ND		ug/L	1	0.50 EPA	524.2	12/6/00 rt	WS20228
trans-1,2-Dichloroethene	ND		ug/L	1	0.50 EPA	524.2	12/6/00 rt	WS20228
Methyl tert-Butyl Ether	ND		ug/L	1	1.0 EPA	524.2	12/6/00 rt	WS20228
1,1-Dichloroethane	ND		ug/L	1	0.50 EPA	524.2	12/6/00 rt	WS20228
2-Butanone (Methyl ethyl ketone)	ND		ug/L	1	5.0 EPA	524.2	12/6/00 rt	WS20228
2,2-Dichloropropane	ND		ug/L	1	0.50 EPA	524.2	12/6/00 rt	WS20228
cis-1,2-Dichloroethene	ND		ug/L	1	0.50 EPA	524.2	12/6/00 rt	WS20228
Bromochloromethane	ND		ug/L	1	0.50 EPA	524.2	12/6/00 rt	WS20228
Chloroform	ND		ug/L	1	0.50 EPA	524.2	12/6/00 rt	WS20228
1,1,1-Trichloroethane	ND		ug/L	1	0.50 EPA	524.2	12/6/00 rt	WS20228
Carbon tetrachloride	ND		ug/L	1	0.50 EPA	524.2	12/6/00 rt	WS20228
1,1-Dichloropropene	ND		ug/L	1	0.50 EPA	524.2	12/6/00 rt	WS20228
Benzene	ND		ug/L	1	0.50 EPA	524.2	12/6/00 rt	WS20228
1,2-Dichloroethane	ND		ug/L	1	0.50 EPA	524.2	12/6/00 rt	WS20228
Trichloroethene (TCE)	ND		ug/L	1	0.50 EPA	524.2	12/6/00 rt	WS20228
1,2-Dichloropropane	ND		ug/L	1	0.50 EPA	524.2	12/6/00 rt	WS20228
Dibromomethane	ND		ug/L	1	0.50 EPA	524.2	12/6/00 rt	WS20228
Bromodichloromethane	ND		ug/L	1	0.50 EPA	524.2	12/6/00 rt	WS20228
cis-1,3-Dichloropropene	ND		ug/L	1	0.50 EPA	524.2	12/6/00 rt	WS20228
4-Methyl-2-pentanone (MIBK)	ND		ug/L	1	5.0 EPA	524.2	12/6/00 rt	WS20228
2-Chloroethylvinyl ether	ND		ug/L	1	1.0 EPA	524.2	12/6/00 rt	WS20228
Toluene	ND		ug/L	1	0.50 EPA	524.2	12/6/00 rt	WS20228
trans-1,3-Dichloropropene	ND		ug/L	1	0.50 EPA	524.2	12/6/00 rt	WS20228

Lab#: A008393

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Client: Hydro Geo Chem, Inc.

Report Date: Tuesday, December 26, 2000

Project Name: Zero

CERTIFICATE OF ANALYSIS

Lab#: A008393-010

Sample ID: B-1 / Zero

Matrix: Ground Water

Sampled By: Client

Date: 11/28/00

Time: 17:00

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed	Worksheet #
1,1,2-Trichloroethane	ND		ug/L	1	0.50	EPA 524.2	12/6/00 rt	WS20228
Tetrachloroethane (PCE)	ND		ug/L	1	0.50	EPA 524.2	12/6/00 rt	WS20228
1,3-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	12/6/00 rt	WS20228
Dibromochloromethane	ND		ug/L	1	0.50	EPA 524.2	12/6/00 rt	WS20228
1,2-Dibromoethane (EDB)	ND		ug/L	1	0.50	EPA 524.2	12/6/00 rt	WS20228
Chlorobenzene	ND		ug/L	1	0.50	EPA 524.2	12/6/00 rt	WS20228
Ethyl benzene	ND		ug/L	1	0.50	EPA 524.2	12/6/00 rt	WS20228
m/p-Xylenes	ND		ug/L	1	0.50	EPA 524.2	12/6/00 rt	WS20228
o-Xylene	ND		ug/L	1	0.50	EPA 524.2	12/6/00 rt	WS20228
Styrene	ND		ug/L	1	0.50	EPA 524.2	12/6/00 rt	WS20228
Bromoform	ND		ug/L	1	0.50	EPA 524.2	12/6/00 rt	WS20228
Isopropylbenzene	ND		ug/L	1	0.50	EPA 524.2	12/6/00 rt	WS20228
Bromobenzene	ND		ug/L	1	0.50	EPA 524.2	12/6/00 rt	WS20228
1,1,2,2-Tetrachloroethane	ND		ug/L	1	0.50	EPA 524.2	12/6/00 rt	WS20228
1,2,3-Trichloropropane	ND		ug/L	1	0.50	EPA 524.2	12/6/00 rt	WS20228
n-Propyl benzene	ND		ug/L	1	0.50	EPA 524.2	12/6/00 rt	WS20228
o-Chlorotoluene	ND		ug/L	1	0.50	EPA 524.2	12/6/00 rt	WS20228
p-Chlorotoluene	ND		ug/L	1	0.50	EPA 524.2	12/6/00 rt	WS20228
m,3,5-Trimethylbenzene	ND		ug/L	1	0.50	EPA 524.2	12/6/00 rt	WS20228
tert-Butyl benzene	ND		ug/L	1	0.50	EPA 524.2	12/6/00 rt	WS20228
1,2,4-Trimethylbenzene	ND		ug/L	1	0.50	EPA 524.2	12/6/00 rt	WS20228
bis(2-Chloroethyl) Ether	ND		ug/L	1	5.0	EPA 524.2	12/6/00 rt	WS20228
sec-Butylbenzene	ND		ug/L	1	0.50	EPA 524.2	12/6/00 rt	WS20228
1,3-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	12/6/00 rt	WS20228
4-Isopropyltoluene	ND		ug/L	1	0.50	EPA 524.2	12/6/00 rt	WS20228
1,4-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	12/6/00 rt	WS20228
1,2-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	12/6/00 rt	WS20228
n-Butylbenzene	ND		ug/L	1	0.50	EPA 524.2	12/6/00 rt	WS20228
1,2-Dibromo-3-chloropropane (DBCP)	ND		ug/L	1	1.0	EPA 524.2	12/6/00 rt	WS20228
1,2,4-Trichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	12/6/00 rt	WS20228
Hexachlorobutadiene	ND		ug/L	1	0.50	EPA 524.2	12/6/00 rt	WS20228
Naphthalene	ND		ug/L	1	0.50	EPA 524.2	12/6/00 rt	WS20228
1,2,3-Trichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	12/6/00 rt	WS20228
Total 1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	12/6/00 rt	WS20228
Tert-amyl Methyl Ether	ND		ug/L	1	3.0	EPA 524.2	12/6/00 rt	WS20228
Ethyl tert-Butyl Ether	ND		ug/L	1	3.0	EPA 524.2	12/6/00 rt	WS20228
1,1,1,2-Tetrachloroethane	ND		ug/L	1	0.5	EPA 524.2	12/6/00 rt	WS20228
Prep. Method: EPA 3510C								
1,4-Dioxane	ND		ug/L	1	2.0	EPA 8270M	12/6/00 BN	WS20107



Weck Laboratories, Inc.

Environmental and Analytical Services - Since 1964

Client: Hydro Geo Chem, Inc.

Project Name: Zero

Report Date: Tuesday, December 26, 2000

CERTIFICATE OF ANALYSIS

Authorized Signature

ELAP # 1132
LACSD # 10143
AZ0526

Flags for Data Qualifiers:

- B = Compound detected in the blank. Sample result equal or less than 5 times the concentration in the blank.
- J = Estimated value, detected but below the reporting limit.
- H = Estimated value, result over the calibration range
- R = Result is suspect, LCS recovery greater than the upper control limit.
- L = Result is suspect, LCS recovery lower than the control limit.
- Q = QC result out of acceptance limits.
- T = Trace detection, detected but below the reporting limit.

Notes:

Any remaining sample(s) for testing will be disposed of one month from the final report date unless other arrangements are made in advance.
All results are expressed on wet weight basis unless specified.
RL = Reporting Limit.
ND = Not detected, below the reporting limit.
Sub = Subcontracted analysis, original report enclosed.



Weck Laboratories, Inc.

Environmental and Analytical Services - Since 1964

Report Date: Tuesday, December 26, 2000

Received Date: Wednesday, November 29, 2000

Log By: mr

Log Time: 13:10

Client: Hydro Geo Chem, Inc.
51 West Wetmore, Suite 101
Tucson, AZ 85705

Phone: (520) 293-1500

FAX: (520) 293-1550

Attn.: John Ward

Project: Zero

P.O. #: 48500

Turnaround Time: Normal

CERTIFICATE OF ANALYSIS

Lab#: A008393-007

Sample ID: CW-2

Matrix: Ground Water

Sampled By: Client

Date: 11/29/00

Time: 10:20

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed	Worksheet #
<i>Prep. Method: P&T</i>								
Dichlorodifluoromethane	ND		ug/L	20	20	EPA 524.2	12/6/00 rt	WS20228
Chloromethane	ND		ug/L	20	10.0	EPA 524.2	12/6/00 rt	WS20228
Vinyl chloride	ND		ug/L	20	10.0	EPA 524.2	12/6/00 rt	WS20228
Fluoromethane	ND		ug/L	20	10.0	EPA 524.2	12/6/00 rt	WS20228
Bromoethane	ND		ug/L	20	10.0	EPA 524.2	12/6/00 rt	WS20228
Trichlorofluoromethane (Freon 11)	ND		ug/L	20	100	EPA 524.2	12/6/00 rt	WS20228
Trichlorotrifluoroethane (Freon 113)	ND		ug/L	20	200	EPA 524.2	12/6/00 rt	WS20228
1,1-Dichloroethene	ND		ug/L	20	10.0	EPA 524.2	12/6/00 rt	WS20228
Methylene chloride (Dichloromethane)	ND		ug/L	20	10.0	EPA 524.2	12/6/00 rt	WS20228
trans-1,2-Dichloroethane	ND		ug/L	20	10.0	EPA 524.2	12/6/00 rt	WS20228
Methyl tert-Butyl Ether	ND		ug/L	20	20	EPA 524.2	12/6/00 rt	WS20228
1,1-Dichloroethane	ND		ug/L	20	10.0	EPA 524.2	12/6/00 rt	WS20228
2-Butanone (Methyl ethyl ketone)	ND		ug/L	20	100	EPA 524.2	12/6/00 rt	WS20228
2,2-Dichloropropane	ND		ug/L	20	10.0	EPA 524.2	12/6/00 rt	WS20228
cis-1,2-Dichloroethane	ND		ug/L	20	10.0	EPA 524.2	12/6/00 rt	WS20228
Bromochloromethane	ND		ug/L	20	10.0	EPA 524.2	12/6/00 rt	WS20228
Chloroform	ND		ug/L	20	10.0	EPA 524.2	12/6/00 rt	WS20228
1,1,1-Trichloroethane	ND		ug/L	20	10.0	EPA 524.2	12/6/00 rt	WS20228
Carbon tetrachloride	ND		ug/L	20	10.0	EPA 524.2	12/6/00 rt	WS20228
1,1-Dichloropropane	ND		ug/L	20	10.0	EPA 524.2	12/6/00 rt	WS20228
Benzene	ND		ug/L	20	10.0	EPA 524.2	12/6/00 rt	WS20228
1,2-Dichloroethane	ND		ug/L	20	10.0	EPA 524.2	12/6/00 rt	WS20228
Trichloroethene (TCE)	ND		ug/L	20	10.0	EPA 524.2	12/6/00 rt	WS20228
1,2-Dichloropropane	ND		ug/L	20	10.0	EPA 524.2	12/6/00 rt	WS20228
Dibromomethane	ND		ug/L	20	10.0	EPA 524.2	12/6/00 rt	WS20228
Bromodichloromethane	ND		ug/L	20	10.0	EPA 524.2	12/6/00 rt	WS20228
cis-1,3-Dichloropropene	ND		ug/L	20	10.0	EPA 524.2	12/6/00 rt	WS20228
4-Methyl-2-pentanone (MIBK)	ND		ug/L	20	100	EPA 524.2	12/6/00 rt	WS20228
2-Chloroethylvinyl ether	ND		ug/L	20	20	EPA 524.2	12/6/00 rt	WS20228
Toluene	ND		ug/L	20	10.0	EPA 524.2	12/6/00 rt	WS20228
trans-1,3-Dichloropropene	ND		ug/L	20	10.0	EPA 524.2	12/6/00 rt	WS20228

Lab#: A008393

Page 1 of 3

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Weck Laboratories, Inc.

Environmental and Analytical Services - Since 1964

Client: Hydro Geo Chem, Inc.
Project Name: Zero

Report Date: Tuesday, December 26, 2000

CERTIFICATE OF ANALYSIS

Lab#: A008393-007

Sample ID: CW-2

Matrix: Ground Water

Sampled By: Client

Date: 11/29/00

Time: 10:20

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed	Worksheet #
1,1,2-Trichloroethane	ND		ug/L	20	10.0	EPA 524.2	12/6/00 rt	WS20228
Tetrachloroethene (PCE)	ND		ug/L	20	10.0	EPA 524.2	12/6/00 rt	WS20228
1,3-Dichloropropane	ND		ug/L	20	10.0	EPA 524.2	12/6/00 rt	WS20228
Dibromochloromethane	ND		ug/L	20	10.0	EPA 524.2	12/6/00 rt	WS20228
1,2-Dibromoethane (EDB)	ND		ug/L	20	10.0	EPA 524.2	12/6/00 rt	WS20228
Chlorobenzene	ND		ug/L	20	10.0	EPA 524.2	12/6/00 rt	WS20228
Ethyl benzene	ND		ug/L	20	10.0	EPA 524.2	12/6/00 rt	WS20228
m/p-Xylenes	ND		ug/L	20	10.0	EPA 524.2	12/6/00 rt	WS20228
o-Xylene	ND		ug/L	20	10.0	EPA 524.2	12/6/00 rt	WS20228
Styrene	ND		ug/L	20	10.0	EPA 524.2	12/6/00 rt	WS20228
Bromoform	ND		ug/L	20	10.0	EPA 524.2	12/6/00 rt	WS20228
Isopropylbenzene	ND		ug/L	20	10.0	EPA 524.2	12/6/00 rt	WS20228
Bromobenzene	ND		ug/L	20	10.0	EPA 524.2	12/6/00 rt	WS20228
1,1,2,2-Tetrachloroethane	ND		ug/L	20	10.0	EPA 524.2	12/6/00 rt	WS20228
1,2,3-Trichloropropane	ND		ug/L	20	10.0	EPA 524.2	12/6/00 rt	WS20228
n-Propyl benzene	ND		ug/L	20	10.0	EPA 524.2	12/6/00 rt	WS20228
2-Chlorotoluene	ND		ug/L	20	10.0	EPA 524.2	12/6/00 rt	WS20228
4-Chlorotoluene	ND		ug/L	20	10.0	EPA 524.2	12/6/00 rt	WS20228
1,3,5-Trimethylbenzene	ND		ug/L	20	10.0	EPA 524.2	12/6/00 rt	WS20228
tert-Butyl benzene	ND		ug/L	20	10.0	EPA 524.2	12/6/00 rt	WS20228
1,2,4-Trimethylbenzene	ND		ug/L	20	10.0	EPA 524.2	12/6/00 rt	WS20228
bis(2-Chloroethyl) Ether	ND		ug/L	20	10.0	EPA 524.2	12/6/00 rt	WS20228
sec-Butylbenzene	ND		ug/L	20	10.0	EPA 524.2	12/6/00 rt	WS20228
1,3-Dichlorobenzene	ND		ug/L	20	10.0	EPA 524.2	12/6/00 rt	WS20228
4-Isopropyltoluene	ND		ug/L	20	10.0	EPA 524.2	12/6/00 rt	WS20228
1,4-Dichlorobenzene	ND		ug/L	20	10.0	EPA 524.2	12/6/00 rt	WS20228
1,2-Dichlorobenzene	ND		ug/L	20	10.0	EPA 524.2	12/6/00 rt	WS20228
n-Butylbenzene	ND		ug/L	20	10.0	EPA 524.2	12/6/00 rt	WS20228
1,2-Dibromo-3-chloropropane (DBCP)	ND		ug/L	20	20	EPA 524.2	12/6/00 rt	WS20228
1,2,4-Trichlorobenzene	ND		ug/L	20	10.0	EPA 524.2	12/6/00 rt	WS20228
Hexachlorobutadiene	ND		ug/L	20	10.0	EPA 524.2	12/6/00 rt	WS20228
Naphthalene	ND		ug/L	20	10.0	EPA 524.2	12/6/00 rt	WS20228
1,2,3-Trichlorobenzene	ND		ug/L	20	10.0	EPA 524.2	12/6/00 rt	WS20228
Total 1,3-Dichloropropene	ND		ug/L	20	10.0	EPA 524.2	12/6/00 rt	WS20228
Tert-amyl Methyl Ether	ND		ug/L	20	60	EPA 524.2	12/6/00 rt	WS20228
Ethyl tert-Butyl Ether	ND		ug/L	20	60	EPA 524.2	12/6/00 rt	WS20228
1,1,1,2-Tetrachloroethane	ND		ug/L	20	10.0	EPA 524.2	12/6/00 rt	WS20228

Lab#: A008393

Page 2 of 3

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Weck Laboratories, Inc.

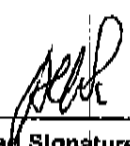
Environmental and Analytical Services - Since 1964

Client: Hydro Geo Chem, Inc.

Project Name: Zero

Report Date: Tuesday, December 26, 2000

CERTIFICATE OF ANALYSIS



Authorized Signature

ELAP # 1132
LACSD # 10143
AZ0526

Flags for Data Qualifiers:

- B = Compound detected in the blank. Sample result equal or less than 5 times the concentration in the blank.
- J = Estimated value, detected but below the reporting limit.
- H = Estimated value, result over the calibration range
- R = Result is suspect, LCS recovery greater than the upper control limit.
- L = Result is suspect, LCS recovery lower than the control limit.
- Q = QC result out of acceptance limits.
- T = Trace detection, detected but below the reporting limit.

Notes:

- Any remaining sample(s) for testing will be disposed of one month from the final report date unless other arrangements are made in advance.
- All results are expressed on wet weight basis unless specified.
- RL = Reporting Limit.
- ND = Not detected, below the reporting limit.
- Sub = Subcontracted analysis, original report enclosed.



Weck Laboratories, Inc.

Environmental and Analytical Services - Since 1964

Report Date: Tuesday, December 26, 2000

Received Date: Wednesday, November 29, 2000

Log By: mr

Log Time: 13:10

Client: Hydro Geo Chem, Inc.
51 West Wetmore, Suite 101
Tucson, AZ 85705

Phone: (520) 293-1500

FAX: (520) 293-1550

Attn.: John Ward

Project: Zero

P.O. #: 46500

Turnaround Time: Normal

CERTIFICATE OF ANALYSIS

Lab#: A008393-008

Sample ID: RW-2

Matrix: Ground Water

Sampled By: Client

Date: 11/29/00

Time: 10:20

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed	Worksheet #
<i>Prep. Method: P&T</i>								
Dichlorodifluoromethane	ND		ug/L	1	1.0 EPA 524.2		12/6/00 rt	WS20228
Chloromethane	ND		ug/L	1	0.50 EPA 524.2		12/6/00 rt	WS20228
Vinyl chloride	ND		ug/L	1	0.50 EPA 524.2		12/6/00 rt	WS20228
Bromomethane	ND		ug/L	1	0.50 EPA 524.2		12/6/00 rt	WS20228
Chloroethane	ND		ug/L	1	0.50 EPA 524.2		12/6/00 rt	WS20228
Trichlorofluoromethane (Freon 11)	ND		ug/L	1	5.0 EPA 524.2		12/6/00 rt	WS20228
Trichlorotrifluoroethane (Freon 113)	ND		ug/L	1	10 EPA 524.2		12/6/00 rt	WS20228
1,1-Dichloroethene	ND		ug/L	1	0.50 EPA 524.2		12/6/00 rt	WS20228
Methylene chloride (Dichloromethane)	ND		ug/L	1	0.50 EPA 524.2		12/6/00 rt	WS20228
trans-1,2-Dichloroethene	ND		ug/L	1	0.50 EPA 524.2		12/6/00 rt	WS20228
Methyl tert-Butyl Ether	ND		ug/L	1	1.0 EPA 524.2		12/6/00 rt	WS20228
1,1-Dichloroethane	ND		ug/L	1	0.50 EPA 524.2		12/6/00 rt	WS20228
2-Butanone (Methyl ethyl ketone)	ND		ug/L	1	5.0 EPA 524.2		12/6/00 rt	WS20228
2,2-Dichloropropane	ND		ug/L	1	0.50 EPA 524.2		12/6/00 rt	WS20228
cis-1,2-Dichloroethene	ND		ug/L	1	0.50 EPA 524.2		12/6/00 rt	WS20228
Bromochloromethane	ND		ug/L	1	0.50 EPA 524.2		12/6/00 rt	WS20228
Chloroform	5.2		ug/L	1	0.50 EPA 524.2		12/6/00 rt	WS20228
1,1,1-Trichloroethane	ND		ug/L	1	0.50 EPA 524.2		12/6/00 rt	WS20228
Carbon tetrachloride	ND		ug/L	1	0.50 EPA 524.2		12/6/00 rt	WS20228
1,1-Dichloropropene	ND		ug/L	1	0.50 EPA 524.2		12/6/00 rt	WS20228
Benzene	ND		ug/L	1	0.50 EPA 524.2		12/6/00 rt	WS20228
1,2-Dichloroethane	ND		ug/L	1	0.50 EPA 524.2		12/6/00 rt	WS20228
Trichloroethene (TCE)	ND		ug/L	1	0.50 EPA 524.2		12/6/00 rt	WS20228
1,2-Dichloropropane	ND		ug/L	1	0.50 EPA 524.2		12/6/00 rt	WS20228
Dibromomethane	ND		ug/L	1	0.50 EPA 524.2		12/6/00 rt	WS20228
Bromodichloromethane	7.8		ug/L	1	0.50 EPA 524.2		12/6/00 rt	WS20228
cis-1,3-Dichloropropene	ND		ug/L	1	0.50 EPA 524.2		12/6/00 rt	WS20228
4-Methyl-2-pentanone (MIBK)	ND		ug/L	1	5.0 EPA 524.2		12/6/00 rt	WS20228
2-Chloroethylvinyl ether	ND		ug/L	1	1.0 EPA 524.2		12/6/00 rt	WS20228
Toluene	ND		ug/L	1	0.50 EPA 524.2		12/6/00 rt	WS20228
trans-1,3-Dichloropropene	ND		ug/L	1	0.50 EPA 524.2		12/6/00 rt	WS20228

Lab#: A008393

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Weck Laboratories, Inc.

Environmental and Analytical Services - Since 1964

Client: Hydro Geo Chem, Inc.
Project Name: Zero

Report Date: Tuesday, December 26, 2000

CERTIFICATE OF ANALYSIS

Lab#: A008393-008

Sample ID: RW-2

Matrix: Ground Water

Sampled By: Client

Date: 11/29/00

Time: 10:20

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed	Worksheet #
1,1,2-Trichloroethane	ND		ug/L	1	0.50	EPA 524.2	12/6/00 rt	WS20228
Tetrachloroethene (PCE)	ND		ug/L	1	0.50	EPA 524.2	12/6/00 rt	WS20228
1,3-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	12/6/00 rt	WS20228
Dibromochloromethane	8.4		ug/L	1	0.50	EPA 524.2	12/6/00 rt	WS20228
1,2-Dibromoethane (EDB)	ND		ug/L	1	0.50	EPA 524.2	12/6/00 rt	WS20228
Chlorobenzene	ND		ug/L	1	0.50	EPA 524.2	12/6/00 rt	WS20228
Ethyl benzene	ND		ug/L	1	0.50	EPA 524.2	12/6/00 rt	WS20228
m/p-Xylenes	ND		ug/L	1	0.50	EPA 524.2	12/6/00 rt	WS20228
o-Xylene	ND		ug/L	1	0.50	EPA 524.2	12/6/00 rt	WS20228
Styrene	ND		ug/L	1	0.50	EPA 524.2	12/6/00 rt	WS20228
Bromoform	1.8		ug/L	1	0.50	EPA 524.2	12/6/00 rt	WS20228
Isopropylbenzene	ND		ug/L	1	0.50	EPA 524.2	12/6/00 rt	WS20228
Bromobenzene	ND		ug/L	1	0.50	EPA 524.2	12/6/00 rt	WS20228
1,1,2,2-Tetrachloroethane	ND		ug/L	1	0.50	EPA 524.2	12/6/00 rt	WS20228
1,2,3-Trichloropropane	ND		ug/L	1	0.50	EPA 524.2	12/6/00 rt	WS20228
n-Propyl benzene	ND		ug/L	1	0.50	EPA 524.2	12/6/00 rt	WS20228
m-Chlorotoluene	ND		ug/L	1	0.50	EPA 524.2	12/6/00 rt	WS20228
p-Chlorotoluene	ND		ug/L	1	0.50	EPA 524.2	12/6/00 rt	WS20228
1,3,5-Trimethylbenzene	ND		ug/L	1	0.50	EPA 524.2	12/6/00 rt	WS20228
tert-Butyl benzene	ND		ug/L	1	0.50	EPA 524.2	12/6/00 rt	WS20228
1,2,4-Trimethylbenzene	ND		ug/L	1	0.50	EPA 524.2	12/6/00 rt	WS20228
bis(2-Chloroethyl) Ether	ND		ug/L	1	0.50	EPA 524.2	12/6/00 rt	WS20228
sec-Butylbenzene	ND		ug/L	1	0.50	EPA 524.2	12/6/00 rt	WS20228
1,3-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	12/6/00 rt	WS20228
4-isopropyltoluene	ND		ug/L	1	0.50	EPA 524.2	12/6/00 rt	WS20228
1,4-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	12/6/00 rt	WS20228
1,2-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	12/6/00 rt	WS20228
n-Butylbenzene	ND		ug/L	1	0.50	EPA 524.2	12/6/00 rt	WS20228
1,2-Dibromo-3-chloropropane (DBCP)	ND		ug/L	1	1.0	EPA 524.2	12/6/00 rt	WS20228
1,2,4-Trichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	12/6/00 rt	WS20228
Hexachlorobutadiene	ND		ug/L	1	0.50	EPA 524.2	12/6/00 rt	WS20228
Naphthalene	ND		ug/L	1	0.50	EPA 524.2	12/6/00 rt	WS20228
1,2,3-Trichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	12/6/00 rt	WS20228
Total 1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	12/6/00 rt	WS20228
Tert-amyl Methyl Ether	ND		ug/L	1	3.0	EPA 524.2	12/6/00 rt	WS20228
Ethyl tert-Butyl Ether	ND		ug/L	1	3.0	EPA 524.2	12/6/00 rt	WS20228
1,1,1,2-Tetrachloroethane	ND		ug/L	1	0.5	EPA 524.2	12/6/00 rt	WS20228

Lab#: A008393

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Weck Laboratories, Inc.

Environmental and Analytical Services - Since 1964

Client: Hydro Geo Chem, Inc.

Project Name: Zero

Report Date: Tuesday, December 26, 2000

CERTIFICATE OF ANALYSIS

Authorized Signature

ELAP # 1132
LACSD # 10143
AZ0526

Flags for Data Qualifiers:

- B = Compound detected in the blank. Sample result equal or less than 5 times the concentration in the blank.
- J = Estimated value, detected but below the reporting limit.
- H = Estimated value, result over the calibration range
- R = Result is suspect, LCS recovery greater than the upper control limit.
- L = Result is suspect, LCS recovery lower than the control limit.
- Q = QC result out of acceptance limits.
- T = Trace detection, detected but below the reporting limit.

Notes:

- Any remaining sample(s) for testing will be disposed of one month from the final report date unless other arrangements are made in advance.
- All results are expressed on wet weight basis unless specified.
- RL = Reporting Limit.
- ND = Not detected, below the reporting limit.
- Sub = Subcontracted analysis, original report enclosed.

APPENDIX F
CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD LABORATORY
REPORT FORMS

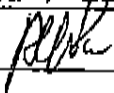
California Regional Water Quality Control Board
Los Angeles Region

Laboratory Report Form (Cover Page 1)

Laboratory Name: Weck Laboratories, Inc.
Address: 14859 East Clark Avenue
Industry, California 91745-1396
Telephone/FAX: (626) 336-2139 / FAX (626) 336-2634

ELAP Certification No.: 1132 Expiration Date: 3/31/02

Authorized Signature
Name, Title (print) Alfredo Pierri / Laboratory Director

Signature, Date  12/28/02

Client Name: Hydro Geo Chem, Inc.

Project Number: _____

Date(s) Sampled: 11/29/00, 11/30/00 and 12/01/00

Date(s) Received: 12/01/00

Date(s) Reported: 12/21/00

Chain of Custody Received: Yes

Comments: Samples received cold.

Corresponds to Lab# A008446 (001-014)

(RWQCB LabForm; Ver12/94)

California Regional Water Quality Control Board
Los Angeles Region

Laboratory Report Form (Cover Page 2)

Organic Analysis # of Samples # of Samples Subcontracted

EPA 524.2 14 None

Sample Condition: Good

Inorganic Analysis # of Samples # of Samples Subcontracted

Sample Condition:

Microbiological Analysis # of Samples # of Samples Subcontracted

Sample Condition:

Other Types of Analyses # of Samples # of Samples Subcontracted

Sample Condition:

ANALYTICAL RESULT FOR ORGANICS

HOD: EPA Method 524.2

REPORTING UNIT: µg/L

Date Analyzed	12/14/00	12/14/00	12/14/00	12/14/00	12/14/00
Date Extracted					
Lab Sample ID	A008446-001	A008446-001	A008446-002	A008446-002	A008446-003
Client Sample ID	MW-10	MW-10	MW-110	MW-110	MW-9
Extraction Solvent	Purge & Trap	Purge & Trap	Purge & Trap	Purge & Trap	Purge & Trap
Extraction Method					
Dilution Factor	1	20	1	20	1
Compound	CRDL				
Dichlorodifluoromethane	1	ND	ND		ND
Chloromethane	0.5	ND	ND		ND
Vinyl chloride	0.5	ND	ND		ND
Bromomethane	0.5	ND	ND		ND
Chloroethane	0.5	ND	ND		ND
Trichlorofluoromethane (Freon 11)	0.5	ND	ND		ND
Trichlorotrifluoroethane (Freon 113)	10	ND	ND		ND
1,1-Dichloroethene	0.5	ND	ND		ND
Methylene chloride (Dichloromethane)	0.5	ND	ND		ND
trans-1,2-Dichloroethene	0.5	ND	ND		ND
Methyl tert-Butyl Ether	1	ND	ND		ND
1,1-Dichloroethane	0.5	ND	ND		ND
2-Butanone (Methyl ethyl ketone)	5	ND	ND		ND
2,2-Dichloropropene	0.5	ND	ND		ND
cis-1,2-Dichloroethene	0.5	0.82	0.91		ND
Bromochloromethane	0.5	ND	ND		ND
Chloroform	0.5	2.8	3.1		1.4
1,1,1-Trichloroethane	0.5	ND	ND		ND
Carbon Tetrachloride	0.5	ND	ND		ND
1,1-Dichloropropene	0.5	ND	ND		ND
Benzene	0.5	ND	ND		ND
1,2-Dichloroethane	0.5	ND	ND		ND
Trichloroethene (TCE)	0.5				
1,2-Dichloropropane	0.5	ND	490	520	
Dibromomethane	0.5	ND	ND		ND
Bromodichloromethane	0.5	ND	ND		ND
cis-1,3-Dichloropropene	0.5	ND	ND		ND
4-Methyl-2-pentanone (MIBK)	5	ND	ND		ND
2-chloroethylvinyl Ether	1	ND	ND		ND
Toluene	0.5	ND	ND		ND
trans-1,3-Dichloropropene	0.5	ND	ND		ND
1,1,2-Trichloroethane	0.5	ND	ND		ND
Tetrachloroethane (PCE)	0.5	6.4	7.1		2.4
1,3-Dichloropropane	0.5	ND	ND		ND
Dibromochloromethane	0.5	ND	ND		ND
1,2-Dibromoethane (EDB)	0.5	ND	ND		ND
Chlorobenzene	0.5	ND	ND		ND
Ethyl benzene	0.5	ND	ND		ND
m/p-xylenes	0.5	ND	ND		ND
o-Xylene	0.5	ND	ND		ND
Styrene	0.5	ND	ND		ND
Bromoform	0.5	ND	ND		ND
Propylbenzene	0.5	ND	ND		ND

Date Analyzed		12/14/00	12/14/00	12/14/00	12/14/00	12/14/00
Date Extracted						
Lab Sample ID		A008446-003	A008446-001	A008446-002	A008446-002	A008446-003
Client Sample ID		MW-9	MW-10	MW-110	MW-110	MW-9
Extraction Solvent		Purge & Trap	Purge & Trap	Purge & Trap	Purge & Trap	Purge & Trap
Extraction Method						
Dilution Factor		10	20	1	20	1
Compound	CRDL					
Bromobenzene	0.5	ND		ND		ND
1,1,2,2-Tetrachloroethane	0.5	ND		ND		ND
1,2,3-Trichloropropane	0.5	ND		ND		ND
n-Propyl benzene	0.5	ND		ND		ND
2-Chlorotoluene	0.5	ND		ND		ND
4-Chlorotoluene	0.5	ND		ND		ND
1,3,5-Trimethylbenzene	0.5	ND		ND		ND
tert-Butylbenzene	0.5	ND		ND		ND
1,2,4-Trimethylbenzene	0.5	ND		ND		ND
bis(2-chloroethyl) Ether	5	ND		ND		ND
sec-Butyl benzene	0.5	ND		ND		ND
1,3-Dichlorobenzene	0.5	ND		ND		ND
4-isopropyltoluene	0.5	ND		ND		ND
1,4-Dichlorobenzene	0.5	ND		ND		ND
1,2-Dichlorobenzene	0.5	ND		ND		ND
n-Butyl benzene	0.5	ND		ND		ND
1,2-Dibromo-3-chloropropane (DBCP)	1	ND		ND		ND
1,2,4-Trichlorobenzene	0.5	ND		ND		ND
Hexachlorobutadiene	0.5	ND		ND		ND
Napthalene	0.5	ND		ND		ND
1,2,3-Trichlorobenzene	0.5	ND		ND		ND
Total 1,3-Dichloropropene	0.5	ND		ND		ND
Tert-amyl Methyl Ether	3	ND		ND		ND
Ethyl tert-Butyl Ether	3	ND		ND		ND
1,1,1,2-Tetrachloroethane	0.5	ND		ND		ND
Surrogate	Spike Conc	ACP%	%RC	%RC	%RC	%RC
4-bromofluorobenzene	2.0	66 - 127	100	116	107	114
1,2-Dichlorobenzene-d4	2.0	70 - 130	96.5	110	104	106

ANALYTICAL RESULT FOR ORGANICS

HOD: EPA Method 524.2

REPORTING UNIT: µg/L

Date Analyzed		12/14/00	12/14/00	12/14/00	12/14/00	12/14/00
Date Extracted						
Lab Sample ID		A008446-003	A008446-004	A008446-004	A008446-005	A008446-005
Client Sample ID		MW-9	MW-1	MW-1	MW-2	MW-2
Extraction Solvent		Purge & Trap	Purge & Trap	Purge & Trap	Purge & Trap	Purge & Trap
Extraction Method						
Dilution Factor		10	1	100	1	20
Compound	CRDL					
Dichlorodifluoromethane	1		ND		ND	
Chloromethane	0.5		ND		ND	
Vinyl chloride	0.5		ND		ND	
Bromomethane	0.5		ND		ND	
Chloroethane	0.5		ND		ND	
Trichlorofluoromethane (Freon 11)	0.5		ND		ND	
Trichlorotrifluoroethane (Freon 113)	10		ND		ND	
1,1-Dichloroethene	0.5		ND		ND	
Methylene chloride (Dichloromethane)	0.5		ND		ND	
trans-1,2-Dichloroethene	0.5		0.55		ND	
Methyl tert-Butyl Ether	1		ND		ND	
1,1-Dichloroethane	0.5		ND		ND	
2-Butanone (Methyl ethyl ketone)	5		ND		ND	
2,2-Dichloropropane	0.5		ND		ND	
cis-1,2-Dichloroethane	0.5		3.2		1.4	
Bromochloromethane	0.5		ND		ND	
Chloroform	0.5		8.0		1.7	
1,1-Trichloroethane	0.5		ND		ND	
Carbon Tetrachloride	0.5		ND		ND	
1,1-Dichloropropene	0.5		ND		ND	
Benzene	0.5		ND		ND	
1,2-Dichloroethane	0.5		ND		ND	
Trichloroethene (TCE)	0.5	97		1800		470
1,2-Dichloropropane	0.5		ND		ND	
Dibromomethane	0.5		ND		ND	
Bromodichloromethane	0.5		ND		ND	
cis-1,3-Dichloropropene	0.5		ND		ND	
4-Methyl-2-pentanone (MIBK)	5		ND		ND	
2-chloroethylvinyl Ether	1		ND		ND	
Toluene	0.5		ND		ND	
trans-1,3-Dichloropropene	0.5		ND		ND	
1,1,2-Trichloroethane	0.5		1.7		ND	
Tetrachloroethene (PCE)	0.5		11		4.3	
1,3-Dichloropropane	0.5		ND		ND	
Dibromochloromethane	0.5		ND		ND	
1,2-Dibromoethane (EDB)	0.5		ND		ND	
Chlorobenzene	0.5		ND		ND	
Ethyl benzene	0.5		ND		ND	
m/p-xylenes	0.5		ND		ND	
o-Xylene	0.5		ND		ND	
Styrene	0.5		ND		ND	
Bromoform	0.5		ND		ND	
Propylbenzene	0.5		ND		ND	

Date Analyzed		12/14/00	12/14/00	12/14/00	12/14/00	12/14/00
Date Extracted						
Lab Sample ID		A008446-003	A008446-004	A008446-004	A008446-005	A008446-005
Client Sample ID		MW-9	MW-1	MW-1	MW-2	MW-2
Extraction Solvent		Purge & Trap	Purge & Trap	Purge & Trap	Purge & Trap	Purge & Trap
Extraction Method						
Dilution Factor		10	1	100	1	20
Compound	CRDL					
Bromobenzene	0.5		ND		ND	
1,1,2,2-Tetrachloroethane	0.5		ND		ND	
1,2,3-Trichloropropane	0.5		ND		ND	
n-Propyl benzene	0.5		ND		ND	
2-Chlorotoluene	0.5		ND		ND	
4-Chlorotoluene	0.5		ND		ND	
1,3,5-Trimethylbenzene	0.5		ND		ND	
tert-Butylbenzene	0.5		ND		ND	
1,2,4-Trimethylbenzene	0.5		ND		ND	
bis(2-chloroethyl) Ether	5		ND		ND	
sec-Butyl benzene	0.5		ND		ND	
1,3-Dichlorobenzene	0.5		ND		ND	
4-Isopropyltoluene	0.5		ND		ND	
1,4-Dichlorobenzene	0.5		ND		ND	
1,2-Dichlorobenzene	0.5		ND		ND	
n-Butyl benzene	0.5		ND		ND	
1,2-Dibromo-3-chloropropane (DBCP)	1		ND		ND	
1,2,4-Trichlorobenzene	0.5		ND		ND	
Hexachlorobutadiene	0.5		ND		ND	
Naphthalene	0.5		ND		ND	
1,2,3-Trichlorobenzene	0.5		ND		ND	
Total 1,3-Dichloropropene	0.5		ND		ND	
Tert-amyl Methyl Ether	3		ND		ND	
Ethyl tert-Butyl Ether	3		ND		ND	
1,1,1,2-Tetrachloroethane	0.5		ND		ND	
Surrogate	Spike Conc	ACP%	%RC	%RC	%RC	%RC
4-bromofluorobenzene	2.0	66 - 127	111	108	112	106
1,2-Dichlorobenzene-d4	2.0	70 - 130	108	104	105	102
						104

ANALYTICAL RESULT FOR ORGANICS

HOD: EPA Method 524.2

REPORTING UNIT: µg/L

Date Analyzed	12/14/00	12/14/00	12/14/00	12/14/00	12/14/00
Date Extracted					
Lab Sample ID	A008446-006	A008446-006	A008446-007	A008446-007	A008446-008
Client Sample ID	MW-3	MW-3	MW-13	MW-13	RW-3
Extraction Solvent	Purge & Trap	Purge & Trap	Purge & Trap	Purge & Trap	Purge & Trap
Extraction Method					
Dilution Factor	1	20	1	20	1
Compound	CRDL				
Dichlorodifluoromethane	1	ND	ND		ND
Chloromethane	0.5	ND	ND		ND
Vinyl chloride	0.5	ND	ND		ND
Bromomethane	0.5	ND	ND		ND
Chloroethane	0.5	ND	ND		ND
Trichlorofluoromethane (Freon 11)	0.5	ND	ND		ND
Trichlorotrifluoroethane (Freon 113)	10	ND	ND		ND
1,1-Dichloroethene	0.5	ND	ND		ND
Methylene chloride (Dichloromethane)	0.5	ND	ND		ND
trans-1,2-Dichloroethene	0.5	2.3	2.1		ND
Methyl tert-Butyl Ether	1	ND	ND		ND
1,1-Dichloroethane	0.5	ND	ND		ND
2-Butanone (Methyl ethyl ketone)	5	ND	ND		ND
2,2-Dichloropropane	0.5	ND	ND		ND
cis-1,2-Dichloroethane	0.5	15	13		ND
Bromochloromethane	0.5	ND	ND		ND
Chloroform	0.5	1.6	1.4		6.5
1,1,1-Trichloroethane	0.5	ND	ND		ND
Carbon Tetrachloride	0.5	ND	ND		ND
1,1-Dichloropropene	0.5	ND	ND		ND
Benzene	0.5	ND	ND		ND
1,2-Dichloroethane	0.5	ND	ND		ND
Trichloroethene (TCE)	0.5		310	280	
1,2-Dichloropropane	0.5	ND	ND		ND
Dibromomethane	0.5	ND	ND		ND
Bromodichloromethane	0.5	ND	ND		10
cis-1,3-Dichloropropene	0.5	ND	ND		ND
4-Methyl-2-pentanone (MIBK)	5	ND	ND		ND
2-chloroethylvinyl Ether	1	ND	ND		ND
Toluene	0.5	ND	ND		ND
trans-1,3-Dichloropropene	0.5	ND	ND		ND
1,1,2-Trichloroethane	0.5	ND	ND		ND
Tetrachloroethane (PCE)	0.5	2.4	2.1		0.70
1,3-Dichloropropane	0.5	ND	ND		ND
Dibromochloromethane	0.5	ND	ND		10
1,2-Dibromoethane (EDB)	0.5	ND	ND		ND
Chlorobenzene	0.5	ND	ND		ND
Ethyl benzene	0.5	ND	ND		ND
m/p-xylenes	0.5	ND	ND		ND
o-Xylene	0.5	ND	ND		ND
Styrene	0.5	ND	ND		ND
Bromoform	0.5	ND	ND		3.0
Propylbenzene	0.5	ND	ND		ND

Date Analyzed			12/14/00	12/14/00	12/14/00	12/14/00	12/14/00
Date Extracted							
Lab Sample ID			A008446-006	A008446-006	A008446-007	A008446-007	A008446-008
Client Sample ID			MW-3	MW-3	MW-13	MW-13	RW-3
Extraction Solvent			Purge & Trap	Purge & Trap	Purge & Trap	Purge & Trap	Purge & Trap
Extraction Method							
Dilution Factor			1	20	1	20	1
Compound	CRDL						
Bromobenzene	0.5		ND		ND		ND
1,1,2,2-Tetrachloroethane	0.5		ND		ND		ND
1,2,3-Trichloropropane	0.5		ND		ND		ND
n-Propyl benzene	0.5		ND		ND		ND
2-Chlorotoluene	0.5		ND		ND		ND
4-Chlorotoluene	0.5		ND		ND		ND
1,3,5-Trimethylbenzene	0.5		ND		ND		ND
tert-Butylbenzene	0.5		ND		ND		ND
1,2,4-Trimethylbenzene	0.5		ND		ND		ND
bis(2-chloroethyl) Ether	5		ND		ND		ND
sec-Butyl benzene	0.5		ND		ND		ND
1,3-Dichlorobenzene	0.5		ND		ND		ND
4-isopropyltoluene	0.5		ND		ND		ND
1,4-Dichlorobenzene	0.5		ND		ND		ND
1,2-Dichlorobenzene	0.5		ND		ND		ND
n-Butyl benzene	0.5		ND		ND		ND
1,2-Dibromo-3-chloropropane (DBCP)	1		ND		ND		ND
1,2,4-Trichlorobenzene	0.5		ND		ND		ND
Hexachlorobutadiene	0.5		ND		ND		ND
Napthalene	0.5		ND		ND		ND
1,2,3-Trichlorobenzene	0.5		ND		ND		ND
Total 1,3-Dichloropropene	0.5		ND		ND		ND
Tert-amyl Methyl Ether	3		ND		ND		ND
Ethyl tert-Butyl Ether	3		ND		ND		ND
1,1,1,2-Tetrachloroethane	0.5		ND		ND		ND
Surrogate	Spike Conc	ACP%	%RC	%RC	%RC	%RC	%RC
4-bromofluorobenzene	2.0	66 - 127	102	110	101	108	106
1,2-Dichlorobenzene-d4	2.0	70 - 130	95.5	104	100	101	104

ANALYTICAL RESULT FOR ORGANICS

HOD: EPA Method 524.2

REPORTING UNIT: µg/L

Date Analyzed		12/14/00	12/14/00	12/14/00	12/14/00	12/14/00
Date Extracted						
Lab Sample ID		A008446-008	A008446-009	A008446-010	A008446-010	A008446-011
Client Sample ID		RW-3	WW-3	RW-4	RW-4	WW-4
Extraction Solvent		Purge & Trap	Purge & Trap	Purge & Trap	Purge & Trap	Purge & Trap
Extraction Method						
Dilution Factor		5	20	1	5	20
Compound	CRDL					
Dichlorodifluoromethane	1		ND	ND		ND
Chloromethane	0.5		ND	ND		ND
Vinyl chloride	0.5		ND	ND		ND
Bromomethane	0.5		ND	ND		ND
Chloroethane	0.5		ND	ND		ND
Trichlorofluoromethane (Freon 11)	0.5		ND	ND		ND
Trichlorotrifluoroethane (Freon 113)	10		ND	ND		ND
1,1-Dichloroethene	0.5		ND	ND		ND
Methylene chloride (Dichloromethane)	0.5		ND	ND		ND
trans-1,2-Dichloroethene	0.5		ND	ND		ND
Methyl tert-Butyl Ether	1		ND	ND		ND
1,1-Dichloroethane	0.5		ND	ND		ND
2-Butanone (Methyl ethyl ketone)	5		ND	ND		ND
2,2-Dichloropropane	0.5		ND	ND		ND
cis-1,2-Dichloroethene	0.5		ND	ND		ND
Bromochloromethane	0.5		ND	ND		ND
Chloroform	0.5		ND	6.3		ND
1,1-Trichloroethane	0.5		ND	ND		ND
Carbon Tetrachloride	0.5		ND	ND		ND
1,1-Dichloropropene	0.5		ND	ND		ND
Benzene	0.5		ND	ND		ND
1,2-Dichloroethane	0.5		ND	ND		ND
Trichloroethane (TCE)	0.5	50	72		42	60
1,2-Dichloropropane	0.5		ND	ND		ND
Dibromomethane	0.5		ND	ND		ND
Bromodichloromethane	0.5		ND	10		ND
cis-1,3-Dichloropropene	0.5		ND	ND		ND
4-Methyl-2-pentanone (MIBK)	5		ND	ND		ND
2-chloroethylvinyl Ether	1		ND	ND		ND
Toluene	0.5		ND	ND		ND
trans-1,3-Dichloropropene	0.5		ND	ND		ND
1,1,2-Trichloroethane	0.5		ND	ND		ND
Tetrachloroethene (PCE)	0.5		ND	0.66		ND
1,3-Dichloropropane	0.5		ND	ND		ND
Dibromochloromethane	0.5		ND	9.9		ND
1,2-Dibromoethane (EDB)	0.5		ND	ND		ND
Chlorobenzene	0.5		ND	ND		ND
Ethyl benzene	0.5		ND	ND		ND
m/p-xylenes	0.5		ND	ND		ND
o-Xylene	0.5		ND	ND		ND
Styrene	0.5		ND	ND		ND
Bromoform	0.5		ND	2.8		ND
propylbenzene	0.5		ND	ND		ND

Date Analyzed		12/14/00	12/14/00	12/14/00	12/14/00	12/14/00
Date Extracted						
Lab Sample ID		A008446-008	A008446-009	A008446-010	A008446-010	A008446-011
Client Sample ID		RW-3	WW-3	RW-4	RW-4	WW-4
Extraction Solvent		Purge & Trap	Purge & Trap	Purge & Trap	Purge & Trap	Purge & Trap
Extraction Method						
Dilution Factor		5	20	1	5	20
Compound	CRDL					
Bromobenzene	0.5		ND	ND		ND
1,1,2,2-Tetrachloroethane	0.5		ND	ND		ND
1,2,3-Trichloropropane	0.5		ND	ND		ND
n-Propyl benzene	0.5		ND	ND		ND
2-Chlorotoluene	0.5		ND	ND		ND
4-Chlorotoluene	0.5		ND	ND		ND
1,3,5-Trimethylbenzene	0.5		ND	ND		ND
tert-Butylbenzene	0.5		ND	ND		ND
1,2,4-Trimethylbenzene	0.5		ND	ND		ND
bis(2-chloroethyl) Ether	5		ND	ND		ND
sec-Butyl benzene	0.5		ND	ND		ND
1,3-Dichlorobenzene	0.5		ND	ND		ND
4-isopropyltoluene	0.5		ND	ND		ND
1,4-Dichlorobenzene	0.5		ND	ND		ND
1,2-Dichlorobenzene	0.5		ND	ND		ND
n-Butyl benzene	0.5		ND	ND		ND
1,2-Dibromo-3-chloropropane (DBCP)	1		ND	ND		ND
1,2,4-Trichlorobenzene	0.5		ND	ND		ND
Hexachlorobutadiene	0.5		ND	ND		ND
Napthalene	0.5		ND	ND		ND
1,2,3-Trichlorobenzene	0.5		ND	ND		ND
Total 1,3-Dichloropropene	0.5		ND	ND		ND
Tert-amyl Methyl Ether	3		ND	ND		ND
Ethyl tert-Butyl Ether	3		ND	ND		ND
1,1,1,2-Tetrachloroethane	0.5		ND	ND		ND
Surrogate	Spike Conc	ACP%	%RC	%RC	%RC	%RC
4-bromofluorobenzene	2.0	66 - 127	110	108	108	112
1,2-Dichlorobenzene-d4	2.0	70 - 130	106	104	106	108

ANALYTICAL RESULT FOR ORGANICS

REPORTING UNIT: $\mu\text{g/L}$

Date Analyzed		12/14/00	12/14/00	12/14/00		
Date Extracted						
Lab Sample ID		A008446-012	A008446-013	A008446-014		
Client Sample ID		B-2	B-3	TB-2		
Extraction Solvent		Purge & Trap	Purge & Trap	Purge & Trap		
Extraction Method						
Dilution Factor		1	1	1		
Compound	CRDL					
Dichlorodifluoromethane	1	ND	ND	ND		
Chloromethane	0.5	ND	ND	ND		
Vinyl chloride	0.5	ND	ND	ND		
Bromomethane	0.5	ND	ND	ND		
Chloroethane	0.5	ND	ND	ND		
Trichlorofluoromethane (Freon 11)	0.5	ND	ND	ND		
Trichlorotrifluoroethane (Freon 113)	10	ND	ND	ND		
1,1-Dichloroethene	0.5	ND	ND	ND		
Methylene chloride (Dichloromethane)	0.5	ND	ND	ND		
trans-1,2-Dichloroethene	0.5	ND	ND	ND		
Methyl tert-Butyl Ether	1	ND	ND	ND		
1,1-Dichloroethane	0.5	ND	ND	ND		
2-Butanone (Methyl ethyl ketone)	5	ND	ND	ND		
2,2-Dichloropropane	0.5	ND	ND	ND		
cis-1,2-Dichloroethene	0.5	ND	ND	ND		
Bromochloromethane	0.5	ND	ND	ND		
proform	0.5	ND	ND	ND		
1-Trichloroethane	0.5	ND	ND	ND		
Carbon Tetrachloride	0.5	ND	ND	ND		
1,1-Dichloropropene	0.5	ND	ND	ND		
Benzene	0.5	ND	ND	ND		
1,2-Dichloroethane	0.5	ND	ND	ND		
Trichloroethene (TCE)	0.5	ND	ND	ND		
1,2-Dichloropropane	0.5	ND	ND	ND		
Dibromomethane	0.5	ND	ND	ND		
Bromodichloromethane	0.5	ND	ND	ND		
cis-1,3-Dichloropropene	0.5	ND	ND	ND		
4-Methyl-2-pentanone (MIBK)	5	ND	ND	ND		
2-chloroethylvinyl Ether	1	ND	ND	ND		
Toluene	0.5	ND	ND	ND		
trans-1,3-Dichloropropene	0.5	ND	ND	ND		
1,1,2-Trichloroethane	0.5	ND	ND	ND		
Tetrachloroethene (PCE)	0.5	ND	ND	ND		
1,3-Dichloropropane	0.5	ND	ND	ND		
Dibromochloromethane	0.5	ND	ND	ND		
1,2-Dibromoethane (EDB)	0.5	ND	ND	ND		
Chlorobenzene	0.5	ND	ND	ND		
Ethyl benzene	0.5	ND	ND	ND		
m/p-xylenes	0.5	ND	ND	ND		
o-Xylene	0.5	ND	ND	ND		
Styrene	0.5	ND	ND	ND		
Bromoform	0.5	ND	ND	ND		
propylbenzene	0.5	ND	ND	ND		

Date Analyzed		12/14/00	12/14/00	12/14/00		
Date Extracted						
Lab Sample ID		A008446-012	A008446-013	A008446-014		
Client Sample ID		B-2	B-3	TB-2		
Extraction Solvent		Purge & Trap	Purge & Trap	Purge & Trap		
Extraction Method						
Dilution Factor		1	1	1		
Compound	CRDL					
Bromobenzene	0.5	ND	ND	ND		
1,1,2,2-Tetrachloroethane	0.5	ND	ND	ND		
1,2,3-Trichloropropane	0.5	ND	ND	ND		
n-Propyl benzene	0.5	ND	ND	ND		
2-Chlorotoluene	0.5	ND	ND	ND		
4-Chlorotoluene	0.5	ND	ND	ND		
1,3,5-Trimethylbenzene	0.5	ND	ND	ND		
tert-Butylbenzene	0.5	ND	ND	ND		
1,2,4-Trimethylbenzene	0.5	ND	ND	ND		
bis(2-chloroethyl) Ether	5	ND	ND	ND		
sec-Butyl benzene	0.5	ND	ND	ND		
1,3-Dichlorobenzene	0.5	ND	ND	ND		
4-isopropyltoluene	0.5	ND	ND	ND		
1,4-Dichlorobenzene	0.5	ND	ND	ND		
1,2-Dichlorobenzene	0.5	ND	ND	ND		
n-Butyl benzene	0.5	ND	ND	ND		
1,2-Dibromo-3-chloropropane (DBCP)	1	ND	ND	ND		
1,2,4-Trichlorobenzene	0.5	ND	ND	ND		
Hexachlorobutadiene	0.5	ND	ND	ND		
Naphthalene	0.5	ND	ND	ND		
1,2,3-Trichlorobenzene	0.5	ND	ND	ND		
Total 1,3-Dichloropropene	0.5	ND	ND	ND		
Tert-amyl Methyl Ether	3	ND	ND	ND		
Ethyl tert-Butyl Ether	3	ND	ND	ND		
1,1,1,2-Tetrachloroethane	0.5	ND	ND	ND		
Surrogate	Spike Conc	ACP%	%RC	%RC	%RC	%RC
4-bromofluorobenzene	2.0	66 - 127	96.0	104	104	
1,2-Dichlorobenzene-d4	2.0	70 - 130	92.5	104	104	

Project No.: Hydro Geo Chem, Inc.

i. Calibration Standard

(A). Initial Calibration

DATE PERFORMED: 12/14/00
 STANDARD SUPPLY SOURCE: Ultra
 INSTRUMENT I.D.: GC-MS #3

ANALYTICAL METHOD: 524.2
 DATE OF SOURCE: 12/12/00
 LOT NUMBER: R-0925

Compound	Detector	RT	Mass/Conc Unit:	Area	RF	RF (Avg)	SD (N-1)	%RSD
Compound 1			1st Conc			Calibration software from instrument was used. See attachment.		
			2nd Conc					
			3rd Conc					
			4th Conc					
			5th Conc					
Compound 2			1st Conc					
			2nd Conc					
			3rd Conc					
			4th Conc					
			5th Conc					
Compound K			1st Conc					
			2nd Conc					
			3rd Conc					
			4th Conc					
			5th Conc					

(B). Continuing Calibration (Mid-Point) (12/14/00)- See Attachment

Compound	Detector	RT	Mass/Conc Unit:	Area	RF	%Diff	ACP RGE %Diff
Compound 1							
Compound 2							
Compound K							

Project No.: Hydro Geo Chem, Inc.

I. Fortified Blank (LFB)

DATE PERFORMED: 12/14/00
SUPPLY SOURCE: AccuStandard
LOT NUMBER: A9120203 (L); 80060064 (G)
DATE OF SOURCE: 11/20/00

ANALYTICAL METHOD: EPA 524.2
LAB LCS I.D.: 121-41-8 (L), 121-41-7 (L)

UNIT: µg/L

Analyte	Spike Conc	Result	%Recovery	ACP %Rec Limit
Chloromethane	8.00	7.36	92.0	70 - 130
1,1-DCE	8.00	7.64	95.5	70 - 130
Chloroform	8.00	7.53	94.1	70 - 130
1,1,1-Trichloroethene	8.00	7.81	97.6	70 - 130
Carbon Tetrachloride	8.00	7.92	99.0	70 - 130
Benzene	8.00	7.81	97.6	70 - 130
Trichloroethene	8.00	7.89	98.6	70 - 130
Toluene	8.00	7.89	98.6	70 - 130
Tetrachloroethene	8.00	7.74	96.8	70 - 130
o-Xylene	8.00	7.91	98.9	70 - 130

California Regional Water Quality Control Board
Los Angeles Region

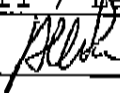
Laboratory Report Form (Cover Page 1)

Laboratory Name: Weck Laboratories, Inc.
Address: 14859 East Clark Avenue
Industry, California 91745-1396
Telephone/FAX: (818) 336-2139 / FAX (818) 336-2634

ELAP Certification No.: 1132 Expiration Date: 3/31/02

Authorized Signature
Name, Title (print) Alfredo Pierri / Laboratory Director

Signature, Date



12/29/00

Client Name: Hydro Geo Chem, Inc.

Project Number: _____

Date(s) Sampled: 11/29/00, 11/30/00 and 12/01/00

Date(s) Received: 12/01/00

Date(s) Reported: 12/21/00

Chain of Custody Received: **Yes**

Comments: Samples received cold.

Corresponds to Lab# A0084646 (001-007), -012 and
-013

(RWQCB LabForm; Ver12/94)

California Regional Water Quality Control Board
Los Angeles Region

Laboratory Report Form (Cover Page 2)

<u>Organic Analysis</u>	# of Samples	# of Samples Subcontracted
EPA 8270 Modified	9	None

Sample Condition: Good

<u>Inorganic Analysis</u>	# of Samples	# of Samples Subcontracted
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Sample Condition:

<u>Microbiological Analysis</u>	# of Samples	# of Samples Subcontracted
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Sample Condition:

<u>Other Types of Analyses</u>	# of Samples	# of Samples Subcontracted
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Sample Condition:

QA/QC REPORT

1. Calibration Standard

(A). Initial Calibration

DATE PERFORMED: 11/08/00

STANDARD SUPPLY SOURCE: NSI Solution

INSTRUMENT I.D.: GC/MS #6

ANALYTICAL METHOD: 8270 Modified

DATE OF SOURCE: 07/12/00

LOT NUMBER: 480-03-02

Compound	Detector	RT	Mass/Conc Unit: mg/L	Area	RF	RF (Avg)	SD (N-1)	%RSD
1,4-Dioxane	MS	7.32	2.5	38607	0.896	0.881	0.016	1.78
		7.32	5	77396	0.898			
		7.31	10	200047	0.873			
		7.31	20	290203	0.880			
		7.31	40	561581	0.861			

(B). Continuing Calibration (Mid-Point) - 12/7/00

Compound	Detector	RT	Mass/Conc Unit: mg/L	Area	RF	%Diff	ACP RGE %Diff
1,4-Dioxane	MS	7.15	9.94	158345	0.876	0.6	20

QA/QC REPORT (Continued)I. Matrix Spike (MS)/Matrix Spike Duplicate (MSD)DATE PERFORMED: 12/7/00
BATCH #: WS20227
LAB SAMPLE I.D.: A008429-008ANALYTICAL METHOD: EPA 8270 ModifiedUNIT: ug/L

Analyte	Sample Result	Spike Conc	MS	%MS	Spike Conc. (Dup)	MSD	%MSD	%RPD	MS/MSD Limit	RPD Limit
1,4-Dioxane	ND	10	8.58	85.8	10	8.45	84.5	2	70-130	20

II. Laboratory Quality Control Check Sample (LCS)DATE PERFORMED: 07/12/00
SUPPLY SOURCE: Absolute
LOT NUMBER: 64-15-01
DATE OF SOURCE: 10/25/00ANALYTICAL METHOD: EPA 8270 Modified
LAB LCS I.D.: LCSUNIT: ug/L

Analyte	Spike Conc	Result	%Recovery	ACP %Rec Limit
1,4-Dioxane	10	9.16	91.6	88 - 134

SW-846 Method 524.2

Data File : D:\DATAFILE\12142000\L1400315.D

Acq On : 14 Dec 00 9:53 pm

Sample : bfb tuning

Misc :

MS Integration Params: RTEINT.P

Method : C:\HPCHEM\3\METHODS\524LB300.M (RTE Integrator)

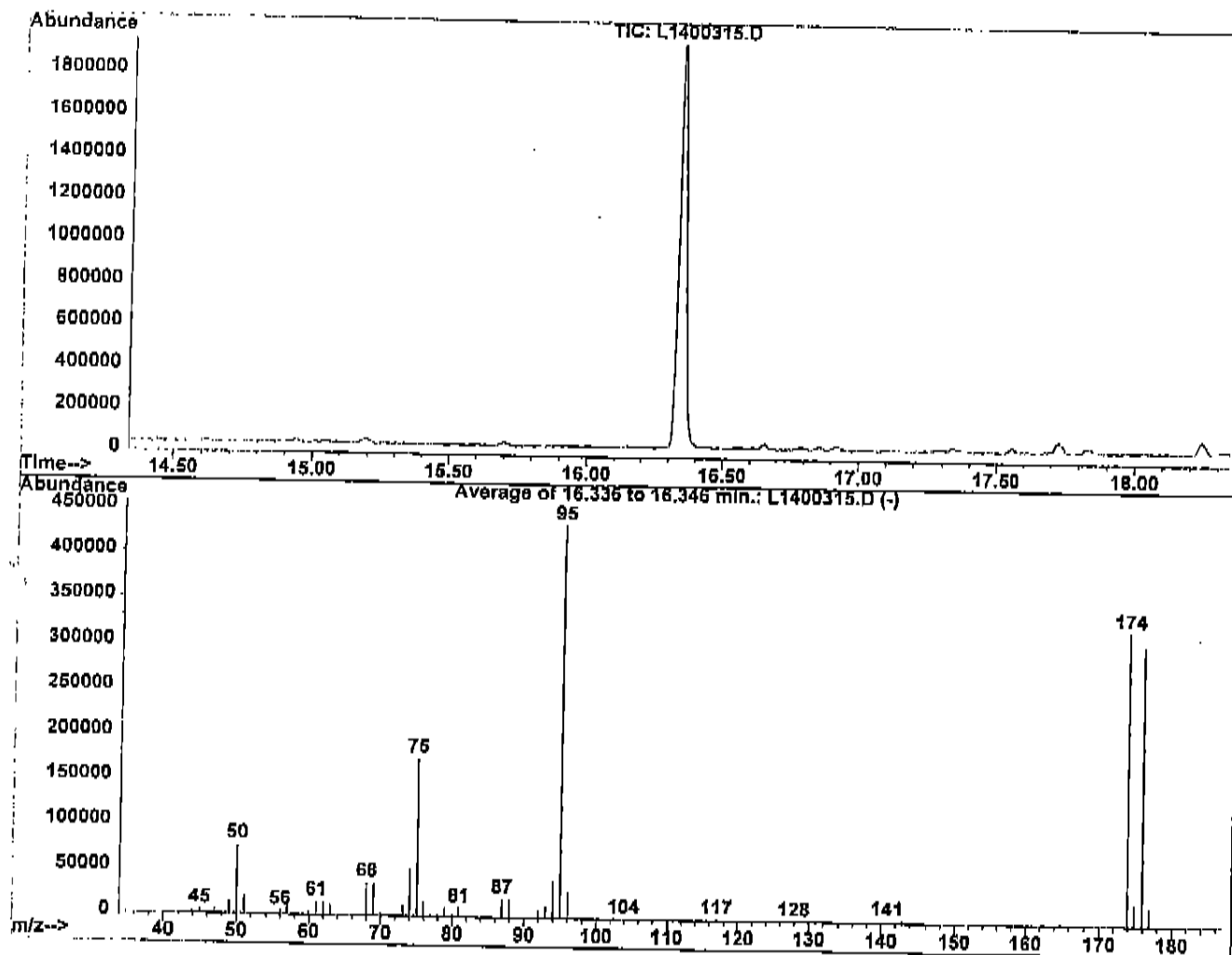
Title : GC/MS #3 epa524.2 12/14/2000

Vial: 15

Operator: ricci

Inst : GCMS 03

Multiplr: 1.00



AutoFind: Scans 2649, 2650, 2651; Background Corrected with Scan 2640

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	17.7	77051	PASS
75	95	30	80	40.3	175595	PASS
95	95	100	100	100.0	435669	PASS
96	95	5	9	7.0	30656	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	74.7	325504	PASS
175	174	5	9	7.6	24635	PASS
176	174	95	101	95.6	311317	PASS
177	176	5	9	6.6	20645	PASS

Response Factor Report GCMS 03

Method : C:\HPCHEM\3\METHODS\524LB300.M (RTE Integrator)
 Title : GC/MS #3 epa524.2 12/14/2000
 Last Update : Fri Dec 15 09:37:05 2000
 Response via : Initial Calibration

Calibration Files

1 =L1400305.D 2 =L1400306.D 3 =L1400307.D
 4 =L1400308.D 5 =L1400309.D 6 =L1400310.D

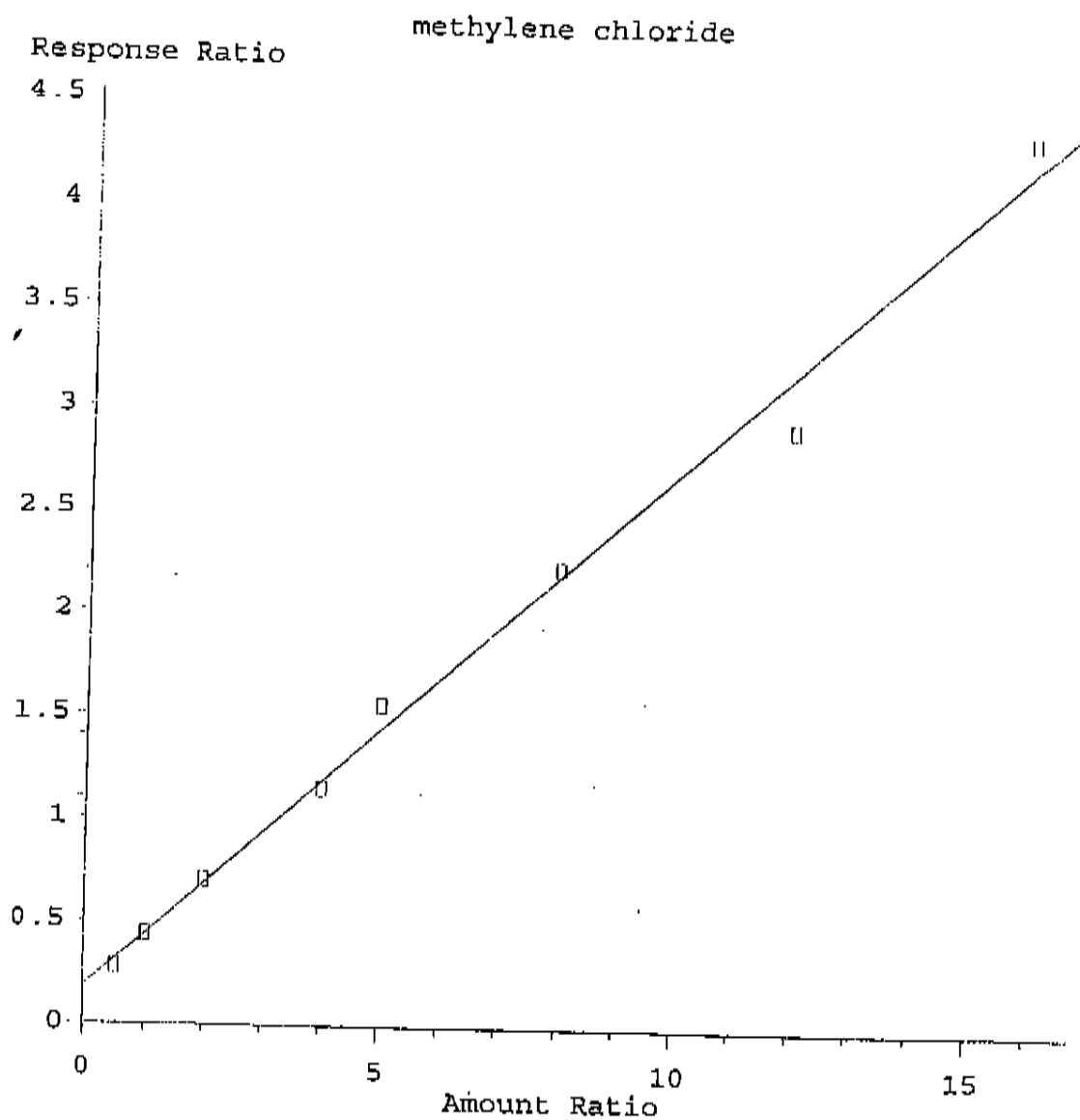
Compound		1	2	3	4	5	6	Avg	%RSD
1) I	Fluorobenzene	-----ISTD-----							
2) T	dichlorodifluoromet	0.149	0.213	0.254	0.249	0.248	0.250	0.233	15.61
3) TP	chloromethane	0.525	0.434	0.491	0.472	0.453	0.475	0.464	7.77
4) TC	vinyl chloride	0.233	0.228	0.296	0.287	0.279	0.295	0.272	10.33
5) T	bromomethane	0.166	0.131	0.149	0.150	0.140	0.151	0.147	7.31
6) T	chloroethane	0.137	0.122	0.133	0.136	0.133	0.141	0.132	5.74
7) T	trichlorofluorometh	0.150	0.206	0.261	0.260	0.256	0.272	0.240	17.00
8) T	Freon 113	0.150	0.206	0.261	0.260	0.256	0.272	0.000	-1.00
9) TCM	1,1-dichloroethene	0.224	0.220	0.268	0.256	0.250	0.263	0.245	8.16
10) T	methylene chloride	0.561	0.443	0.353	0.288	0.311	0.278	0.344	31.26
11) T	trans-1,2-dichloroe	0.275	0.251	0.298	0.293	0.275	0.297	0.277	6.97
12) T	mtbe	0.276	0.321	0.350	0.312	0.305	0.331	0.310	9.19
13) TP	1,1-dichloroethane	0.499	0.432	0.532	0.531	0.505	0.538	0.504	7.41
14) T	etbe (ethyl-t-butyl	0.499	0.432	0.532	0.531	0.505	0.538	0.000	-1.00
15) T	2-Butanone (MEK)	0.499	0.432	0.532	0.531	0.505	0.538	0.000	-1.00
16) T	2,2-dichloropropane	0.284	0.267	0.332	0.317	0.298	0.313	0.294	8.58
17) T	cis-1,2-dichloroeth	0.289	0.246	0.294	0.291	0.269	0.287	0.271	7.81
18) T	bromochloromethane	0.105	0.090	0.112	0.110	0.107	0.116	0.107	7.6
19) T	tetrahydrofuran	0.105	0.090	0.112	0.110	0.107	0.116	0.000	-1.00
20) TC	chloroform	0.462	0.382	0.445	0.441	0.416	0.446	0.426	6.99
21) T	1,1,1-trichloroetha	0.295	0.288	0.355	0.351	0.338	0.359	0.332	8.98
22) T	carbon tetrachlorid	0.221	0.254	0.314	0.308	0.299	0.320	0.289	11.94
23) T	1,1-dichloropropene	0.261	0.285	0.353	0.341	0.319	0.342	0.314	10.25
24) TM	benzene	0.979	0.858	1.024	1.015	0.962	1.037	0.950	8.06
25) T	1,2-dichloroethane	0.180	0.154	0.189	0.189	0.183	0.196	0.182	7.49
26) T	TAME(tert amylmethy	0.180	0.154	0.189	0.189	0.183	0.196	0.000	-1.00
27) TM	trichloroethene	0.252	0.226	0.275	0.277	0.260	0.280	0.259	7.65
28) TC	1,2-dichloropropane	0.249	0.229	0.268	0.269	0.255	0.274	0.255	6.54
29) T	dibromomethane	0.094	0.083	0.105	0.105	0.098	0.108	0.099	8.36
30) T	bromodichloromethan	0.226	0.208	0.248	0.257	0.247	0.254	0.244	7.86
31) T	cis-1,3-dichloropro	0.313	0.267	0.321	0.321	0.311	0.334	0.311	7.09
32) T	4-Methyl-2-pentanon	0.313	0.267	0.321	0.321	0.311	0.334	0.000	-1.00
33) T	2-chloroethylvinyl	0.313	0.267	0.321	0.321	0.311	0.334	0.000	-1.00
34) TMC	toluene	0.559	0.489	0.579	0.574	0.541	0.577	0.541	6.99
35) T	trans-1,3-dichlorop	0.206	0.180	0.217	0.220	0.215	0.230	0.213	7.72
36) T	1,1,2-trichloroetha	0.101	0.089	0.112	0.111	0.108	0.116	0.106	8.25
37) T	tetrachloroethene	0.198	0.193	0.243	0.238	0.233	0.249	0.227	9.77
38) T	1,3-dichloropropane	0.209	0.171	0.220	0.219	0.210	0.225	0.207	8.64
39) T	dibromochloromethan	0.142	0.131	0.164	0.167	0.165	0.176	0.161	10.10
40) T	1,2-dibromoethane	0.114	0.100	0.127	0.134	0.126	0.140	0.125	10.04
41) TPM	chlorobenzene	0.603	0.497	0.602	0.599	0.568	0.607	0.571	7.35
42) T	1,1,1,2-tetrachloro	0.202	0.174	0.218	0.208	0.202	0.217	0.202	7.27
43) TC	ethylbenzene	0.980	0.884	1.070	1.041	0.996	1.063	0.979	7.93
44) T	m,p-xylene	0.361	0.320	0.396	0.377	0.354	0.372	0.350	8.81
45) T	o-xylene	0.361	0.308	0.380	0.366	0.339	0.361	0.336	10.03
46) T	styrene	0.560	0.492	0.592	0.577	0.545	0.569	0.534	8.76
47) TP	bromoform	0.060	0.058	0.070	0.074	0.071	0.080	0.072	12.37
48) T	isopropylbenzene	0.808	0.776	0.961	0.935	0.901	0.953	0.868	8.83
49) SCP	4-bromofluorobenzen	0.288	0.285	0.284	0.285	0.271	0.293	0.284	2.18

1)	T	bromobenzene	0.213	0.189	0.228	0.226	0.215	0.233	0.217	7.24
52)	TP	1,1,2,2-tetrachloro	0.124	0.106	0.129	0.132	0.125	0.135	0.126	7.60
53)	T	1,2,3-trichloroprop	0.129	0.096	0.118	0.114	0.105	0.113	0.108	10.88
54)	T	n-propylbenzene	1.023	0.974	1.221	1.194	1.149	1.205	1.094	9.79
55)	T	2-chlorotoluene	0.684	0.576	0.692	0.679	0.635	0.677	0.642	7.44
56)	T	4-chlorotoluene	0.666	0.564	0.687	0.669	0.633	0.680	0.639	7.18
57)	T	1,3,5-trimethylbenz	0.677	0.608	0.774	0.739	0.705	0.760	0.698	8.48
58)	T	tert-butylbenzene	0.392	0.364	0.455	0.446	0.429	0.446	0.416	8.27
59)	T	1,2,4-trimethylbenz	0.697	0.593	0.759	0.720	0.687	0.730	0.682	8.60
60)	T	bis(2-Chloroethyl)	0.697	0.593	0.759	0.720	0.687	0.730	0.000	-1.00
61)	T	sec-butylbenzene	0.800	0.810	1.033	0.992	0.952	1.015	0.910	10.60
62)	T	1,3-dichlorobenzene	0.403	0.340	0.430	0.423	0.395	0.426	0.395	8.15
63)	T	4-isopropyltoluene	0.679	0.653	0.817	0.777	0.745	0.784	0.717	9.83
64)	T	1,4-dichlorobenzene	0.411	0.329	0.415	0.419	0.395	0.422	0.398	7.86
65)	SCP	1,4-dcb-d4 (SSTD2)	0.351	0.357	0.379	0.425	0.458	0.534	0.417	16.90
66)	T	1,2-dichlorobenzene	0.344	0.288	0.353	0.352	0.332	0.361	0.338	7.51
67)	T	n-butylbenzene	0.603	0.592	0.761	0.729	0.707	0.750	0.680	9.93
68)	T	1,2-dibromo-3-chlor	0.021	0.018	0.020	0.018	0.016	0.016	0.017	15.60
69)	T	1,2,4-trichlorobenz	0.158	0.130	0.170	0.162	0.157	0.172	0.160	8.96
70)	T	hexachlorobutadiene	0.077	0.092	0.117	0.113	0.108	0.116	0.106	13.49
71)	T	naphthalene	0.221	0.180	0.246	0.233	0.228	0.250	0.228	10.13
	T	1,2,3-trichlorobenz	0.123	0.101	0.142	0.131	0.130	0.141	0.129	10.37

 (#) = Out of Range ### Number of calibration levels exceeded format ###

524LB300.M

Fri Dec 15 09:59:31 2000



Resp Ratio = $2.50 \times 10^{-1} \times \text{Amt} + 1.87 \times 10^{-1}$
Coef of Det (r^2) = 0.992 Curve Fit: Linear

Method Name: C:\HPCHEM\3\METHODS\524LB300.M
Calibration Table Last Updated: Fri Dec 15 09:37:05 2000

Quantitation Report (QT Reviewed)

Data File : D:\DATAFILE\12142000\L1400316.D
 Acq On : 14 Dec 00 10:35 pm
 Sample : mblank
 Misc :
 MS Integration Params: RTEINT.P
 Quant Time: Dec 16 13:10 19100

Vial: 16
 Operator: ricci
 Inst : GCMS 03
 Multiplr: 1.00

Quant Results File: 524LB300.RE

Quant Method : C:\HPCHEM\3\METHODS\524LB300.M (RTE Integrator)
 Title : GC/MS #3 epa524.2 12/14/2000
 Last Update : Fri Dec 15 09:37:05 2000
 Response via : Initial Calibration
 DataAcq Meth : 524REV2

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	11.10	96	946492	2.00	ug/L	0.00
System Monitoring Compounds						
49) 4-bromofluorobenzene (SSTD)	16.35	95	265374	1.98	ug/L	0.00
Spiked Amount 2.000			Recovery	=	99.00%	
64) 1,4-dcb-d4 (SSTD2)	18.29	150	320828	1.62	ug/L	-0.02
Spiked Amount 2.000			Recovery	=	81.00%	
Target Compounds						
10) methylene chloride	7.42	84	213303	0.30	ug/L	Qvalue 99
12) mtbe	7.97	73	24108	0.16	ug/L	# 77
34) toluene	13.20	92	37469	0.15	ug/L	# 85
70) naphthalene	20.66	128	17545	0.16	ug/L	100

Quantitation Report

(QT Reviewed)

Data File : D:\DATAFILE\12142000\L1400317.D
 Acq On : 14 Dec 00 11:14 pm
 Sample : 0.5ppb voc std
 Misc : 121-10-5
 MS Integration Params: RTEINT.P
 Quant Time: Dec 16 13:13 19100

Vial: 17
 Operator: ricci
 Inst : GCMS 03
 Multiplr: 1.00

Quant Results File: 524LB300.RES

Quant Method : C:\HPCHEM\3\METHODS\524LB300.M (RTE Integrator)
 Title : GC/MS #3 epa524.2 12/14/2000
 Last Update : Fri Dec 15 09:37:05 2000
 Response via : Initial Calibration
 DataAcq Meth : 524REV2

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	11.07	96	927488	2.00	ug/L	-0.03
System Monitoring Compounds						
49) 4-bromofluorobenzene (SSTD	16.34	95	263224	2.00	ug/L	0.00
Spiked Amount 2.000			Recovery	=	100.00%	
64) 1,4-dcb-d4 (SSTD2)	18.29	150	332599	1.72	ug/L	-0.02
Spiked Amount 2.000			Recovery	=	86.00%	
Target Compounds						
2) dichlorodifluoromethane	3.07	85	28041m	0.26	ug/L	Qvalue 83
3) chloromethane	3.47	50	114180	0.53	ug/L	95
4) vinyl chloride	3.71	62	52173	0.41	ug/L	95
5) bromomethane	4.44	96	41805	0.61	ug/L	89
6) chloroethane	4.67	64	29251	0.48	ug/L	98
7) trichlorofluoromethane (fr	5.30	101	28210	0.25	ug/L	85
9) 1,1-dichloroethene	6.44	96	50657	0.45	ug/L	83
10) methylene chloride	7.37	84	236468	0.54	ug/L	99
11) trans-1,2-dichloroethene	7.89	96	68956	0.54	ug/L	88
12) mtbe	7.93	73	43409	0.30	ug/L	96
13) 1,1-dichloroethane	8.58	63	122562	0.52	ug/L	99
16) 2,2-dichloropropane	9.47	77	58108	0.43	ug/L	96
17) cis-1,2-dichloroethene	9.48	96	67199	0.53	ug/L	96
18) bromochloromethane	9.81	128	24535	0.50	ug/L	92
20) chloroform	9.93	83	106749	0.54	ug/L	96
21) 1,1,1-trichloroethane	10.21	97	64900	0.42	ug/L	98
22) carbon tetrachloride	10.46	117	48088	0.36	ug/L	99
23) 1,1-dichloropropene	10.44	75	64019	0.44	ug/L	99
24) benzene	10.72	78	235508	0.53	ug/L	99
25) 1,2-dichloroethane	10.71	62	42334	0.50	ug/L	98
27) trichloroethene	11.56	95	62111	0.52	ug/L	94
28) 1,2-dichloropropane	11.84	63	63375	0.54	ug/L	88
29) dibromomethane	11.99	93	22569	0.49	ug/L	92
30) bromodichloromethane	12.18	83	56312	0.50	ug/L	99
31) cis-1,3-dichloropropene	12.74	75	72358	0.50	ug/L	95
34) toluene	13.18	92	129640	0.52	ug/L	93
35) trans-1,3-dichloropropene	13.41	75	49179	0.50	ug/L	100
36) 1,1,2-trichloroethane	13.65	83	24893	0.51	ug/L	96
37) tetrachloroethene	13.89	166	46125	0.44	ug/L	96
38) 1,3-dichloropropane	13.87	76	50835	0.53	ug/L	100
39) dibromochloromethane	14.16	129	33221	0.45	ug/L	94
40) 1,2-dibromoethane	14.33	107	28812	0.50	ug/L	99
41) chlorobenzene	14.94	112	142953	0.54	ug/L	97
42) 1,1,1,2-tetrachloroethane	15.02	131	46939	0.50	ug/L	95
43) ethylbenzene	15.05	91	238165	0.52	ug/L	96
44) m,p-xylene	15.19	106	176191	1.09	ug/L	90
45) o-xylene	15.70	106	83788	0.54	ug/L	95

1) styrene	15.70	104	132124	0.53 ug/L	97
17) bromoform	15.95	173	14751	0.44 ug/L	79
48) isopropylbenzene	16.14	105	197774	0.49 ug/L	95
50) bromobenzene	16.56	156	50036	0.50 ug/L	97
51) 1,1,2,2-tetrachloroethane	16.47	83	28787	0.49 ug/L	95
72) 1,2,3-trichloropropane	16.55	75	28864	0.58 ug/L	86
3) n-propylbenzene	16.65	91	248187	0.49 ug/L	96
54) 2-chlorotoluene	16.79	91	160396	0.54 ug/L	95
55) 4-chlorotoluene	16.92	91	162024m	0.55 ug/L	39
56) 1,3,5-trimethylbenzene	16.86	105	170017	0.53 ug/L	99
57) tert-butylbenzene	17.28	91	93776	0.49 ug/L	96
58) 1,2,4-trimethylbenzene	17.34	105	169223	0.54 ug/L	98
60) sec-butylbenzene	17.55	105	190701	0.45 ug/L	93
61) 1,3-dichlorobenzene	17.73	146	101612	0.55 ug/L	96
62) 4-isopropyltoluene	17.72	119	166135	0.50 ug/L	97
63) 1,4-dichlorobenzene	17.84	146	96969	0.53 ug/L	94
65) 1,2-dichlorobenzene	18.31	146	83219	0.53 ug/L	94
66) n-butylbenzene	18.24	91	151038	0.48 ug/L	97
68) 1,2,4-trichlorobenzene	20.33	180	41371	0.56 ug/L	97
69) hexachlorobutadiene	20.53	225	20911	0.42 ug/L	100
70) naphthalene	20.66	128	58296	0.55 ug/L	100
71) 1,2,3-trichlorobenzene	20.97	180	33732	0.56 ug/L	98

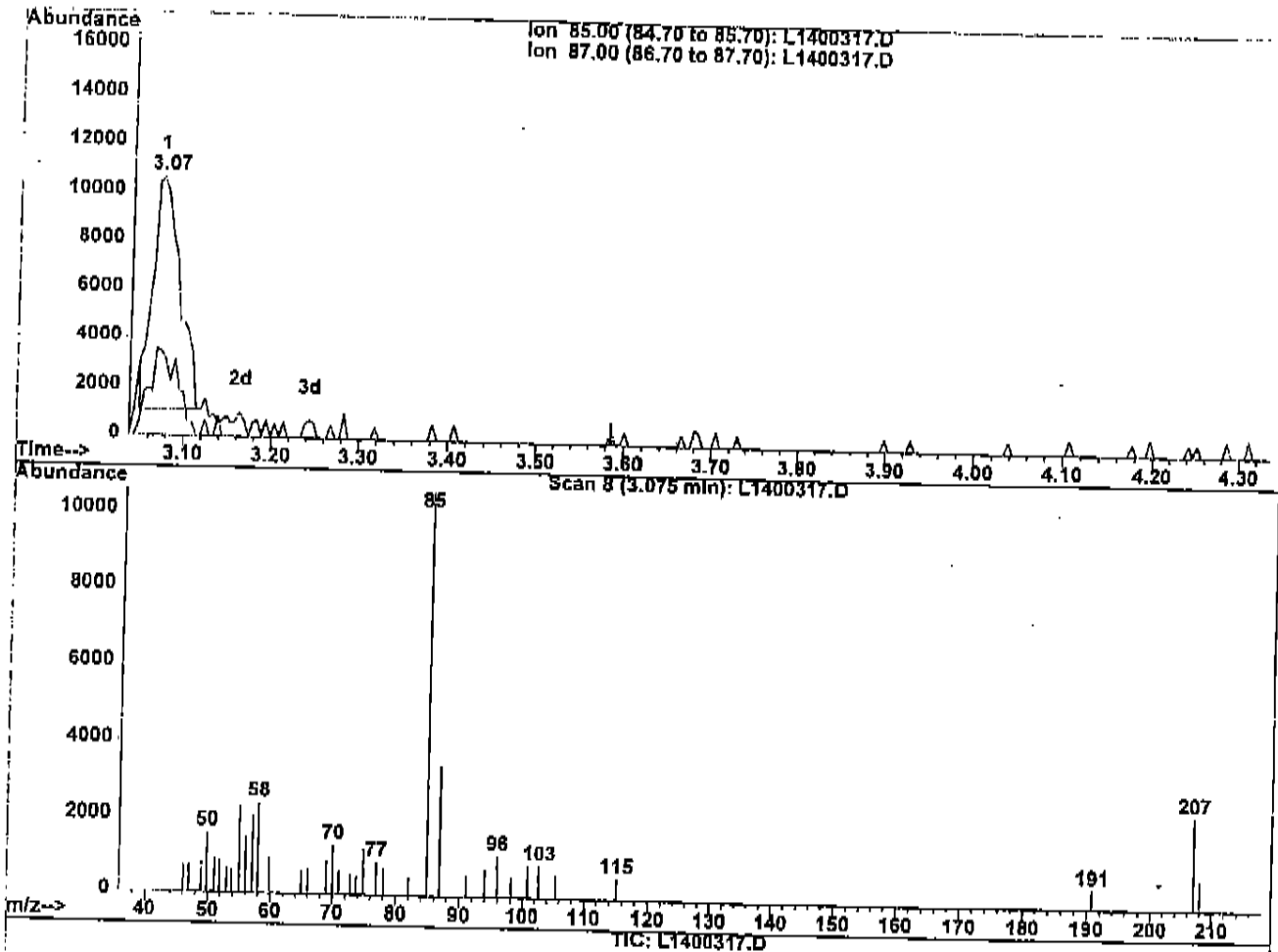
(#) = qualifier out of range (m) = manual integration
L1400317.D 524LB300.M Sat Dec 16 13:13:28 2000

Quantitation Report

Data File : D:\DATAFILE\12142000\L1400317.D
 Acq On : 14 Dec 00 11:14 pm
 Sample : 0.5ppb voc std
 Misc : 121-10-5
 Quant Time: Dec 15 9:41 19100

Vial: 17
 Operator: ricci
 Inst : GCMS 03
 Multiplr: 1.00
 Quant Results File: temp.res

Method : C:\HPCHEM\3\METHODS\524LB300.M (RTE Integrator)
 Title : GC/MS #3 epa524.2 12/14/2000
 Last Update : Fri Dec 15 09:37:05 2000
 Response via : Multiple Level Calibration



(2) dichlorodifluoromethane (T)

3.07min 0.18ug/L

response 19801

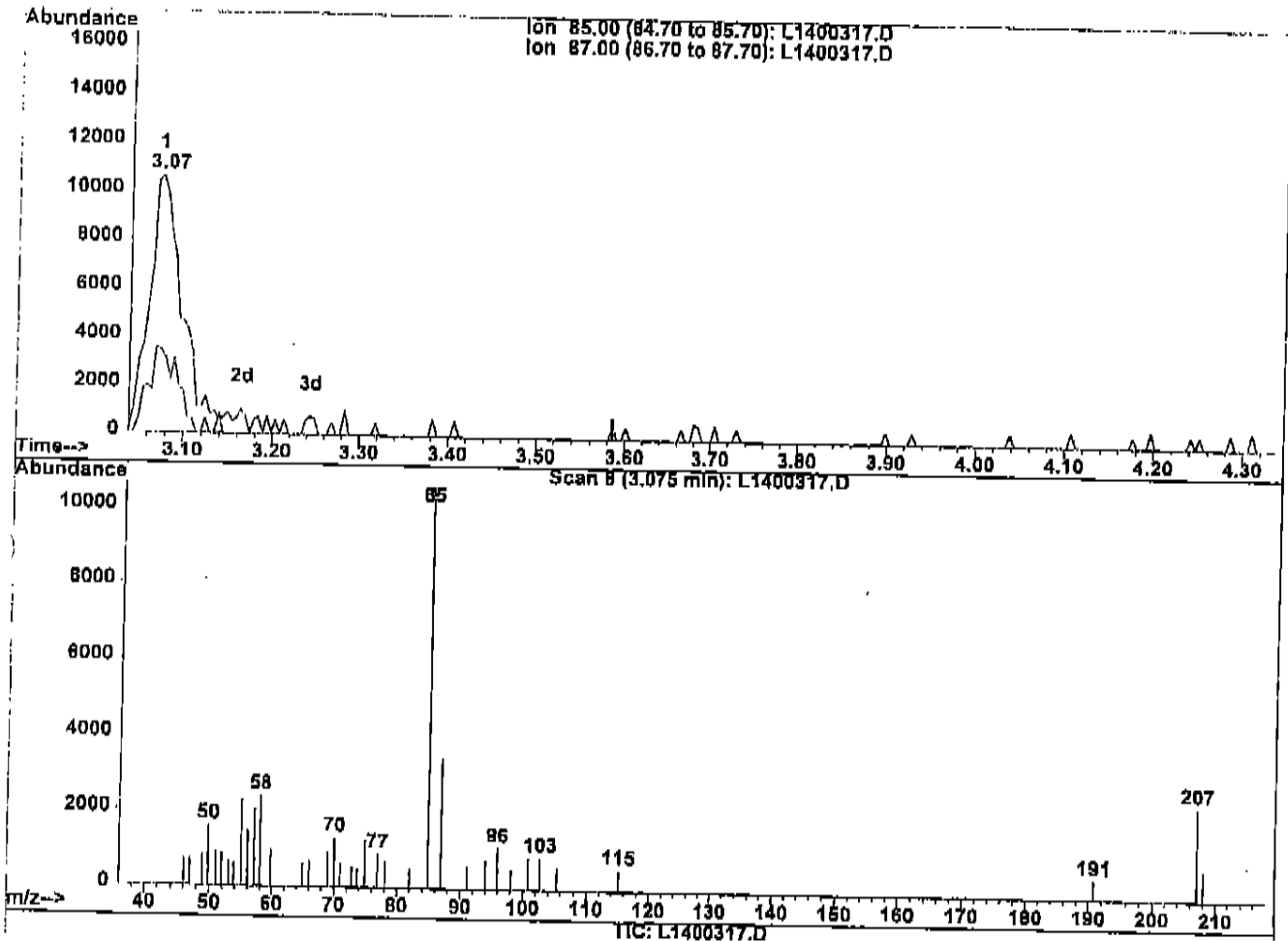
Ion	Exp%	Act%
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87.00	30.00	39.01
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report

Data File : D:\DATAFILE\12142000\L1400317.D
 Acq On : 14 Dec 00 11:14 pm
 Sample : 0.5ppb voc std
 Misc : 121-10-5
 Quant Time: Dec 16 13:12 19100

Vial: 17
 Operator: ricci
 Inst : GCMS 03
 Multiplr: 1.00
 Quant Results File: temp.res

Method : C:\HPCHEM\3\METHODS\524LB300.M (RTE Integrator)
 Title : GC/MS #3 epa524.2 12/14/2000
 Last Update : Fri Dec 15 09:37:05 2000
 Response via : Multiple Level Calibration



(2) dichlorodifluoromethane (T)

3.07min 0.26ug/L m

response 28041

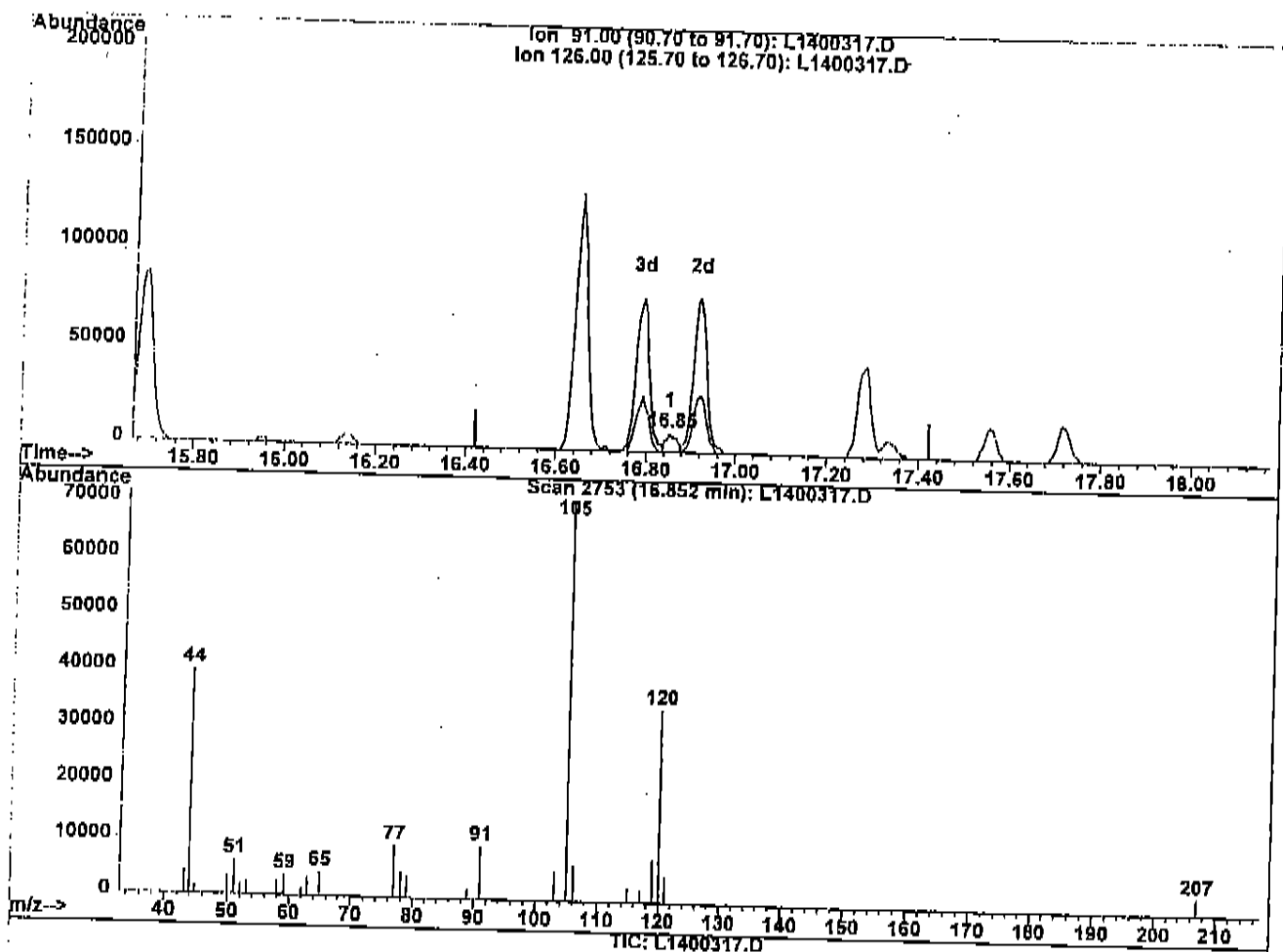
Ion	Exp%	Act%
85.00	100	100
87.00	30.00	27.55
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report

Data File : D:\DATAFILE\12142000\L1400317.D
 Acq On : 14 Dec 00 11:14 pm
 Sample : 0.5ppb voc std
 Misc : 121-10-5
 Quant Time: Dec 16 13:12 19100

Vial: 17
 Operator: ricci
 Inst : GCMS 03
 Multiplr: 1.00
 Quant Results File: temp.res

Method : C:\HPCHEM\3\METHODS\524LB300.M (RTE Integrator)
 Title : GC/MS #3 epa524.2 12/14/2000
 Last Update : Fri Dec 15 09:37:05 2000
 Response via : Multiple Level Calibration



(55) 4-chlorotoluene (T)

16.85min 0.05ug/L

response 15722

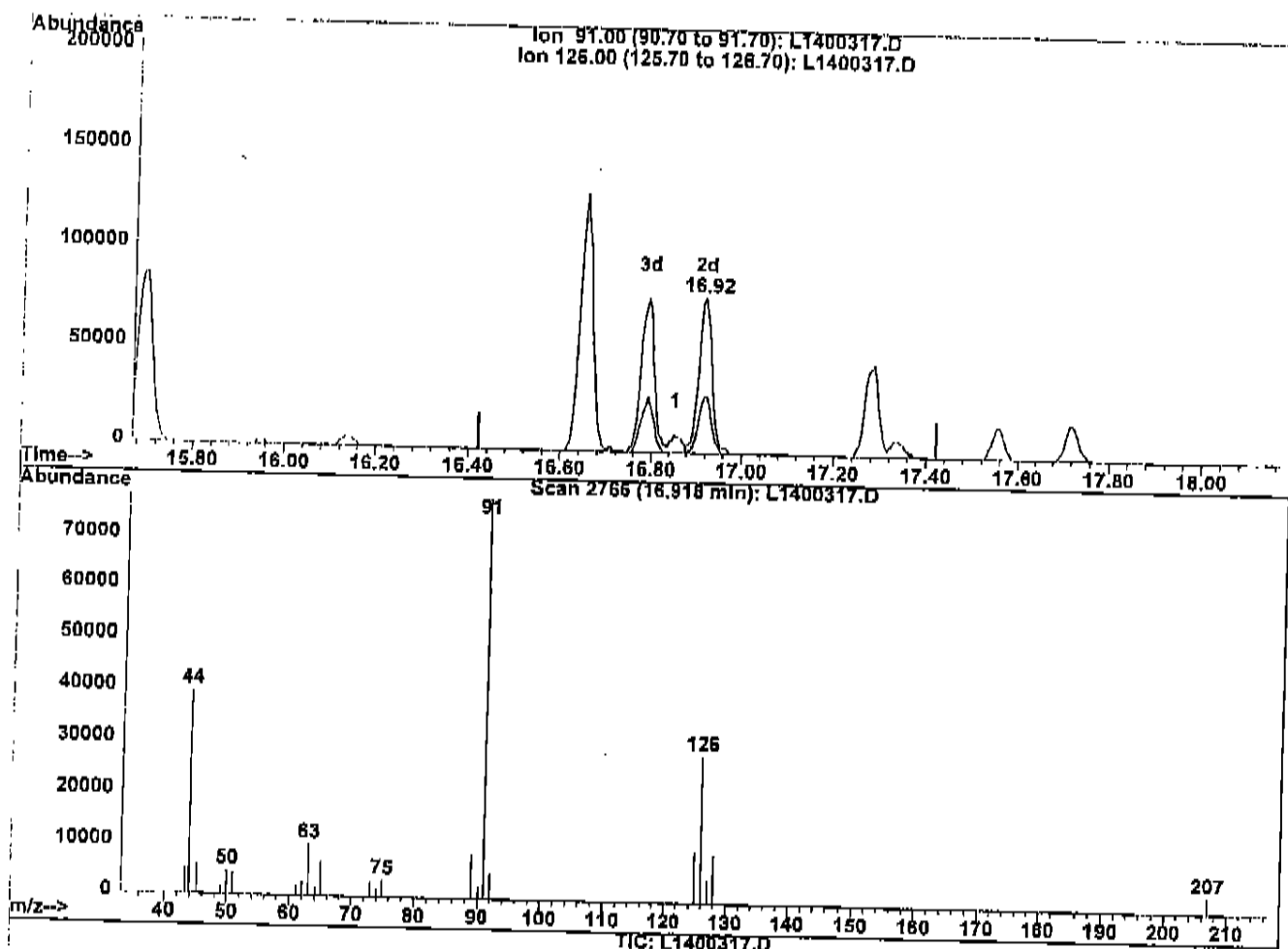
Ion	Exp%	Act%
91.00	100	100
126.00	36.00	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report

Data File : D:\DATAFILE\12142000\L1400317.D
 Acq On : 14 Dec 00 11:14 pm
 Sample : 0.5ppb voc std
 Misc : 121-10-5
 Quant Time: Dec 16 13:13 19100

Vial: 17
 Operator: ricci
 Inst : GCMS 03
 Multiplr: 1.00
 Quant Results File: temp.res

Method : C:\HPCHEM\3\METHODS\524LB300.M (RTE Integrator)
 Title : GC/MS #3 epa524.2 12/14/2000
 Last Update : Fri Dec 15 09:37:05 2000
 Response via : Multiple Level Calibration



(55) 4-chlorotoluene (T)

16.92min 0.55ug/L m

response 162024

Ion	Exp%	Act%
91.00	100	100
126.00	36.00	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report

(QT Reviewed)

Data File : D:\DATAFILE\12142000\L1400318.D

Acq On : 14 Dec 00 11:54 pm

Sample : 8ppb voc/mtbe mix

Misc : 121-10-9

MS Integration Params: RTEINT.P

Quant Time: Dec 15 9:41 19100

Vial: 18

Operator: ricci

Inst : GCMS 03

Multiplr: 1.00

Quant Results File: 524LB300.RES

Quant Method : C:\HPCHEM\3\METHODS\524LB300.M (RTE Integrator)

Title : GC/MS #3 epa524.2 12/14/2000

Last Update : Fri Dec 15 09:37:05 2000

Response via : Initial Calibration

DataAcq Meth : 524REV2

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) Fluorobenzene	11.08	96	989353	2.00	ug/L	-0.02
System Monitoring Compounds						
49) 4-bromofluorobenzene (SSTD	16.34	95	279206	1.99	ug/L	0.00
Spiked Amount 2.000			Recovery	=	99.50%	
64) 1,4-dcb-d4 (SSTD2)	18.29	150	468245	2.27	ug/L	-0.02
Spiked Amount 2.000			Recovery	=	113.50%	
Target Compounds						
						Qvalue
2) dichlorodifluoromethane	3.07	85	922131	8.02	ug/L	97
3) chloromethane	3.48	50	1717767	7.49	ug/L	100
4) vinyl chloride	3.70	62	1088710	8.09	ug/L	98
5) bromomethane	4.44	96	574292	7.90	ug/L	99
6) chloroethane	4.68	64	509165	7.81	ug/L	99
7) trichlorofluoromethane (fr	5.30	101	971972	8.17	ug/L	100
9) 1,1-dichloroethene	6.44	96	962947	7.94	ug/L	96
10) methylene chloride	7.38	84	1166289	7.94	ug/L	99
11) trans-1,2-dichloroethene	7.89	96	1088019	7.94	ug/L	98
12) mtbe	7.92	73	1220017	7.97	ug/L	96
13) 1,1-dichloroethane	8.58	63	1977798	7.94	ug/L	99
16) 2,2-dichloropropane	9.48	77	989800	6.80	ug/L	96
17) cis-1,2-dichloroethene	9.48	96	1059281	7.89	ug/L	98
18) bromochloromethane	9.82	128	423183	8.03	ug/L	99
20) chloroform	9.93	83	1653389	7.85	ug/L	99
21) 1,1,1-trichloroethane	10.22	97	1304036	7.95	ug/L	99
22) carbon tetrachloride	10.45	117	1156955	8.10	ug/L	99
23) 1,1-dichloropropene	10.44	75	1241035	8.00	ug/L	99
24) benzene	10.72	78	3802850	8.09	ug/L	99
25) 1,2-dichloroethane	10.72	62	720126	8.00	ug/L	96
27) trichloroethene	11.57	95	1027728	8.01	ug/L	97
28) 1,2-dichloropropane	11.84	63	1017491	8.08	ug/L	99
29) dibromomethane	12.00	93	391568	8.02	ug/L	96
30) bromodichloromethane	12.18	83	979962	8.13	ug/L	100
31) cis-1,3-dichloropropene	12.74	75	1175999	7.65	ug/L	98
34) toluene	13.19	92	2138318	7.98	ug/L	94
35) trans-1,3-dichloropropene	13.41	75	811944	7.72	ug/L	98
36) 1,1,2-trichloroethane	13.65	83	425244	8.10	ug/L	98
37) tetrachloroethene	13.89	166	900329	8.00	ug/L	96
38) 1,3-dichloropropane	13.87	76	833520	8.16	ug/L	99
39) dibromochloromethane	14.16	129	644906	8.11	ug/L	98
40) 1,2-dibromoethane	14.33	107	505296	8.18	ug/L	99
41) chlorobenzene	14.94	112	2277102	8.07	ug/L	99
42) 1,1,1,2-tetrachloroethane	15.01	131	795082	7.94	ug/L	98
43) ethylbenzene	15.05	91	3903008	8.06	ug/L	97
44) m,p-xylene	15.19	106	2785317	16.09	ug/L	87
45) o-xylene	15.69	106	1358963	8.16	ug/L	99

46)	styrene	15.70	104	2151408	8.15 ug/L	96
47)	bromoform	15.95	173	283930	7.99 ug/L	99
48)	isopropylbenzene	16.14	105	3543711	8.25 ug/L	98
50)	bromobenzene	16.56	156	836870	7.80 ug/L	100
51)	1,1,2,2-tetrachloroethane	16.47	83	491620	7.91 ug/L	99
52)	1,2,3-trichloropropane	16.55	75	411286	7.70 ug/L	99
53)	n-propylbenzene	16.65	91	4522131	8.35 ug/L	94
54)	2-chlorotoluene	16.79	91	2551528	8.03 ug/L	98
55)	4-chlorotoluene	16.92	91	2492904	7.90 ug/L	98
56)	1,3,5-trimethylbenzene	16.86	105	2828799	8.20 ug/L	99
57)	tert-butylbenzene	17.28	91	1662730	8.08 ug/L	97
58)	1,2,4-trimethylbenzene	17.34	105	2733832	8.11 ug/L	100
60)	sec-butylbenzene	17.56	105	3759450	8.35 ug/L	95
61)	1,3-dichlorobenzene	17.73	146	1562589	7.99 ug/L	98
62)	4-isopropyltoluene	17.72	119	2913163	8.22 ug/L	97
63)	1,4-dichlorobenzene	17.83	146	1566651	7.97 ug/L	98
65)	1,2-dichlorobenzene	18.32	146	1327605	7.95 ug/L	98
66)	n-butylbenzene	18.24	91	2794505	8.31 ug/L	96
67)	1,2-dibromo-3-chloropropan	19.27	75	63578	7.72 ug/L	80
68)	1,2,4-trichlorobenzene	20.33	180	648178	8.19 ug/L	100
69)	hexachlorobutadiene	20.53	225	435888	8.29 ug/L	100
70)	naphthalene	20.65	128	911778	8.08 ug/L	100
71)	1,2,3-trichlorobenzene	20.97	180	521860	8.18 ug/L	99

(#) = qualifier out of range (m) = manual integration
L1400318.D 524LB300.M Sat Dec 16 13:15:06 2000

Evaluate Continuing Calibration Report

Data File : D:\DATAFILE\12142000\L1400318.D

Acq On : 14 Dec 00 11:54 pm

Sample : 8ppb voc/mtbe mix

Misc : 121-10-9

MS Integration Params: RTEINT.P

Vial: 18

Operator: ricci

Inst : GCMS 03

Multiplr: 1.00

Method : C:\HPCHEM\3\METHODS\524LB300.M (RTE Integrator)

Title : GC/MS #3 epa524.2 12/14/2000

Last Update : Fri Dec 15 09:37:05 2000

Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	1.000	1.000	0.0	99	-0.02
2 T	dichlorodifluoromethane	0.233	0.233	0.0	93	-0.01
3 TP	chloromethane	0.464	0.434	6.5	95	0.00
4 TC	vinyl chloride	0.272	0.275	-1.1	98	-0.02
5 T	bromomethane	0.147	0.145	1.4	103	-0.03
6 T	chloroethane	0.132	0.129	2.3	96	-0.03
7 T	trichlorofluoromethane (fre	0.240	0.246	-2.5	95	-0.04
8 T	Freon 113	0.000				
9 TCM	1,1-dichloroethene	0.245	0.243	0.8	97	-0.03
10 T	methylene chloride	0.344	0.295	14.2	102	-0.03
11 T	trans-1,2-dichloroethene	0.277	0.275	0.7	99	-0.03
12 T	mtbe	0.310	0.308	0.6	100	-0.03
13 TP	1,1-dichloroethane	0.504	0.500	0.8	98	-0.03
14 T	etbe (ethyl-t-butyl ether)	0.000				
15 T	2-Butanone (MEK)	0.000				
16 T	2,2-dichloropropane	0.294	0.250	15.0	83	-0.03
17 T	cis-1,2-dichloroethene	0.271	0.268	1.1	99	-0.02
18 T	bromochloromethane	0.107	0.107	0.0	100	-0.02
19 T	tetrahydrofuran	0.000				
20 TC	chloroform	0.426	0.418	1.9	100	-0.03
21 T	1,1,1-trichloroethane	0.332	0.330	0.6	97	-0.02
22 T	carbon tetrachloride	0.289	0.292	-1.0	97	-0.03
23 T	1,1-dichloropropene	0.314	0.314	0.0	98	-0.02
24 TM	benzene	0.950	0.961	-1.2	99	-0.02
25 T	1,2-dichloroethane	0.182	0.182	0.0	99	-0.03
26 T	TAME(tert amylmethylether)	0.000				
27 TM	trichloroethene	0.259	0.260	-0.4	99	-0.01
28 TC	1,2-dichloropropane	0.255	0.257	-0.8	100	-0.02
29 T	dibromomethane	0.099	0.099	0.0	100	-0.01
30 T	bromodichloromethane	0.244	0.248	-1.6	100	-0.01
31 T	cis-1,3-dichloropropene	0.311	0.297	4.5	95	-0.01
32 T	4-Methyl-2-pentanone (MiBk)	0.000				
33 T	2-chloroethylvinyl Ether	0.000				
34 TMC	toluene	0.541	0.540	0.2	99	-0.01
35 T	trans-1,3-dichloropropene	0.213	0.205	3.8	95	-0.01
36 T	1,1,2-trichloroethane	0.106	0.107	-0.9	99	0.00
37 T	tetrachloroethene	0.227	0.228	-0.4	97	0.00
38 T	1,3-dichloropropane	0.207	0.211	-1.9	100	0.00
39 T	dibromochloromethane	0.161	0.163	-1.2	98	0.00
40 T	1,2-dibromoethane	0.125	0.128	-2.4	100	0.00
41 TPM	chlorobenzene	0.571	0.575	-0.7	101	0.00
42 T	1,1,1,2-tetrachloroethane	0.202	0.201	0.5	99	-0.01
43 TC	ethylbenzene	0.979	0.986	-0.7	98	0.00
44 T	m,p-xylene	0.350	0.352	-0.6	99	0.00
45 T	o-xylene	0.336	0.343	-2.1	101	0.00

46	T	styrene	0.534	0.544	-1.9	99	0.00
47	TP	bromoform	0.072	0.072	0.0	100	0.00
48	T	isopropylbenzene	0.868	0.895	-3.1	99	0.00
49	SCP	4-bromofluorobenzene (SSTD1	0.284	0.282	0.7	103	0.00
50	T	bromobenzene	0.217	0.211	2.8	98	0.00
51	TP	1,1,2,2-tetrachloroethane	0.126	0.124	1.6	99	0.00
52	T	1,2,3-trichloropropane	0.108	0.104	3.7	99	0.00
53	T	n-propylbenzene	1.094	1.143	-4.5	99	0.00
54	T	2-chlorotoluene	0.642	0.645	-0.5	101	0.00
55	T	4-chlorotoluene	0.638	0.630	1.3	99	0.00
56	T	1,3,5-trimethylbenzene	0.698	0.715	-2.4	101	0.00
57	T	tert-butylbenzene	0.416	0.420	-1.0	97	0.00
58	T	1,2,4-trimethylbenzene	0.682	0.691	-1.3	100	0.00
59	T	bis(2-Chloroethyl) ether	0.000				
60	T	sec-butylbenzene	0.910	0.950	-4.4	99	0.00
61	T	1,3-dichlorobenzene	0.395	0.395	0.0	99	0.00
62	T	4-isopropyltoluene	0.717	0.736	-2.6	98	0.00
63	T	1,4-dichlorobenzene	0.398	0.396	0.5	100	0.00
64	SCP	1,4-dcb-d4 (SSTD2)	0.417	0.473	-13.4	103	-0.02
65	T	1,2-dichlorobenzene	0.338	0.335	0.9	100	0.00
66	T	n-butylbenzene	0.680	0.706	-3.8	99	0.00
67	T	1,2-dibromo-3-chloropropane	0.017	0.016	5.9	97	0.00
68	T	1,2,4-trichlorobenzene	0.160	0.164	-2.5	104	0.00
69	T	hexachlorobutadiene	0.106	0.110	-3.8	101	0.00
70	T	naphthalene	0.228	0.230	-0.9	100	0.00
71	T	1,2,3-trichlorobenzene	0.129	0.132	-2.3	101	0.00

L1400309.D 524LB300.M

Sat Dec 16 13:15:31 2000

Sample Multiplier 1
 Sample Name 8ppb voc/mtbe mix
 Data File Name L1400318.D
 Operator ricci
 Instrument Name GCMS 03
 Date Acquired 12/14/00 23:54

Name	Amount	Units	Spk. Amt.	% Drift
dichlorodifluoromethane	8.02	ug/L	8	0.21%
chloromethane	7.49	ug/L	8	6.43%
vinyl chloride	8.09	ug/L	8	1.11%
bromomethane	7.90	ug/L	8	1.20%
chloroethane	7.81	ug/L	8	2.33%
trichlorofluoromethane (freon 11)	8.17	ug/L	8	2.19%
Freon 113				
1,1-dichloroethene	7.94	ug/L	8	0.70%
methylene chloride	7.94	ug/L	8	0.80%
trans-1,2-dichloroethene	7.94	ug/L	8	0.78%
mtbe	7.97	ug/L	8	0.42%
1,1-dichloroethane	7.94	ug/L	8	0.80%
etbe (ethyl-t-butyl ether)				
2-Butanone(MEK)				
2,2-dichloropropane	6.80	ug/L	8	14.97%
cis-1,2-dichloroethene	7.89	ug/L	8	1.36%
bromochloromethane	8.03	ug/L	8	0.38%
tetrahydrofuran				
chloroform	7.85	ug/L	8	1.84%
1,1,1-trichloroethane	7.95	ug/L	8	0.66%
carbon tetrachloride	8.10	ug/L	8	1.24%
1,1-dichloropropene	8.00	ug/L	8	0.03%
benzene	8.09	ug/L	8	1.18%
1,2-dichloroethane	8.00	ug/L	8	0.01%
TAME(tert amylmethylether)				
trichloroethene	8.01	ug/L	8	0.12%
1,2-dichloropropane	8.08	ug/L	8	1.00%
dibromomethane	8.02	ug/L	8	0.20%
bromodichloromethane	8.13	ug/L	8	1.67%
cis-1,3-dichloropropene	7.65	ug/L	8	4.31%
4-Methyl-2-pentanone (MiBK)				
2-chloroethylvinyl Ether				
toluene	7.98	ug/L	8	0.19%
trans-1,3-dichloropropene	7.72	ug/L	8	3.54%
1,1,2-trichloroethane	8.10	ug/L	8	1.22%

tetrachloroethene	8.00	ug/L	8	0.02%
1,3-dichloropropane	8.16	ug/L	8	1.97%
dibromochloromethane	8.11	ug/L	8	1.34%
1,2-dibromoethane	8.18	ug/L	8	2.22%
chlorobenzene	8.07	ug/L	8	0.82%
1,1,1,2-tetrachloroethane	7.94	ug/L	8	0.76%
ethylbenzene	8.06	ug/L	8	0.78%
m,p-xylene	16.09	ug/L	16	0.53%
o-xylene	8.16	ug/L	8	2.05%
styrene	8.15	ug/L	8	1.89%
bromoform	7.99	ug/L	8	0.13%
isopropylbenzene	8.25	ug/L	8	3.13%
4-bromofluorobenzene (SSTD1)	1.99	ug/L	2	0.53%
bromobenzene	7.80	ug/L	8	2.52%
1,1,2,2-tetrachloroethane	7.91	ug/L	8	1.14%
1,2,3-trichloropropane	7.70	ug/L	8	3.71%
n-propylbenzene	8.35	ug/L	8	4.41%
2-chlorotoluene	8.03	ug/L	8	0.37%
4-chlorotoluene	7.90	ug/L	8	1.27%
1,3,5-trimethylbenzene	8.20	ug/L	8	2.48%
tert-butylbenzene	8.08	ug/L	8	0.95%
1,2,4-trimethylbenzene	8.11	ug/L	8	1.36%
bis(2-Chloroethyl) ether				
sec-butylbenzene	8.35	ug/L	8	4.35%
1,3-dichlorobenzene	7.99	ug/L	8	0.09%
4-isopropyltoluene	8.22	ug/L	8	2.70%
1,4-dichlorobenzene	7.97	ug/L	8	0.41%
1,4-dcb-d4 (SSTD2)	2.27	ug/L	2	13.40%
1,2-dichlorobenzene	7.95	ug/L	8	0.69%
n-butylbenzene	8.31	ug/L	8	3.86%
1,2-dibromo-3-chloropropane	7.72	ug/L	8	3.53%
1,2,4-trichlorobenzene	8.19	ug/L	8	2.40%

Combined Ave % Drift 1.77%

Quantitation Report

(QT Reviewed)

Data File : D:\DATAFILE\12142000\L1400319.D

Acq On : 15 Dec 00 12:34 am

Sample : 8ppb cal ver

Misc : 121-11-4

MS Integration Params: RTEINT.P

Quant Time: Dec 16 13:17 19100

Vial: 19

Operator: ricci

Inst : GCMS 03

Multiplr: 1.00

Quant Results File: 524LB300.RES

Quant Method : C:\HPCHEM\3\METHODS\524LB300.M (RTE Integrator)

Title : GC/MS #3 epa524.2 12/14/2000

Last Update : Fri Dec 15 09:37:05 2000

Response via : Initial Calibration

DataAcq Meth : 524REV2

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	11.07	96	954157	2.00	ug/L	-0.03
System Monitoring Compounds						
49) 4-bromofluorobenzene (SSTD	16.34	95	268187	1.98	ug/L	0.00
Spiked Amount 2.000			Recovery	=	99.00%	
64) 1,4-dcb-d4 (SSTD2)	18.29	150	453757	2.28	ug/L	-0.02
Spiked Amount 2.000			Recovery	=	114.00%	
Target Compounds						
						Qvalue
2) dichlorodifluoromethane	3.08	85	817148	7.37	ug/L	97
3) chloromethane	3.47	50	1629318	7.36	ug/L	99
4) vinyl chloride	3.70	62	1029361	7.93	ug/L	97
5) bromomethane	4.43	96	564801	8.06	ug/L	99
6) chloroethane	4.68	64	479111	7.62	ug/L	99
7) trichlorofluoromethane (fr	5.30	101	904762	7.89	ug/L	99
9) 1,1-dichloroethene	6.43	96	893015	7.64	ug/L	98
10) methylene chloride	7.37	84	1129840	7.98	ug/L	99
11) trans-1,2-dichloroethene	7.88	96	1032459	7.81	ug/L	98
13) 1,1-dichloroethane	8.57	63	1870839	7.78	ug/L	100
16) 2,2-dichloropropane	9.47	77	944249	6.73	ug/L	96
17) cis-1,2-dichloroethene	9.47	96	1012677	7.82	ug/L	96
18) bromochloromethane	9.81	128	400703	7.88	ug/L	99
20) chloroform	9.92	83	1529567	7.53	ug/L	98
21) 1,1,1-trichloroethane	10.21	97	1235453	7.81	ug/L	99
22) carbon tetrachloride	10.45	117	1091111	7.92	ug/L	97
23) 1,1-dichloropropene	10.44	75	1195687	7.99	ug/L	99
24) benzene	10.72	78	3540604	7.81	ug/L	99
25) 1,2-dichloroethane	10.72	62	665811	7.67	ug/L	98
27) trichloroethene	11.56	95	976935	7.89	ug/L	97
28) 1,2-dichloropropane	11.84	63	945012	7.78	ug/L	99
29) dibromomethane	12.00	93	371818	7.89	ug/L	96
30) bromodichloromethane	12.18	83	920789	7.92	ug/L	98
31) cis-1,3-dichloropropene	12.74	75	1113839	7.52	ug/L	99
34) toluene	13.19	92	2038633	7.89	ug/L	95
35) trans-1,3-dichloropropene	13.41	75	767427	7.56	ug/L	97
36) 1,1,2-trichloroethane	13.64	83	400336	7.90	ug/L	99
37) tetrachloroethene	13.89	166	840401	7.74	ug/L	96
38) 1,3-dichloropropane	13.86	76	776459	7.88	ug/L	99
39) dibromochloromethane	14.16	129	603987	7.87	ug/L	99
40) 1,2-dibromoethane	14.32	107	482618	8.10	ug/L	99
41) chlorobenzene	14.94	112	2117834	7.78	ug/L	99
42) 1,1,1,2-tetrachloroethane	15.01	131	752610	7.79	ug/L	99
43) ethylbenzene	15.05	91	3716903	7.96	ug/L	97
44) m,p-xylene	15.19	106	2635501	15.78	ug/L	85
45) o-xylene	15.70	106	1269051	7.91	ug/L	99
46) styrene	15.70	104	2010458	7.90	ug/L	97

47)	bromoform	15.95	173	262695	7.66 ug/L	99
48)	isopropylbenzene	16.14	105	3326610	8.03 ug/L	98
50)	bromobenzene	16.56	156	798093	7.71 ug/L	99
51)	1,1,2,2-tetrachloroethane	16.47	83	464248	7.74 ug/L	100
52)	1,2,3-trichloropropane	16.55	75	391132	7.60 ug/L	99
53)	n-propylbenzene	16.65	91	4242161	8.13 ug/L	93
54)	2-chlorotoluene	16.79	91	2401111	7.83 ug/L	97
55)	4-chlorotoluene	16.92	91	2373508m	7.80 ug/L	43
56)	1,3,5-trimethylbenzene	16.86	105	2653781	7.97 ug/L	99
57)	tert-butylbenzene	17.28	91	1586784	7.99 ug/L	98
58)	1,2,4-trimethylbenzene	17.33	105	2604715	8.01 ug/L	98
60)	sec-butylbenzene	17.56	105	3529905	8.13 ug/L	95
61)	1,3-dichlorobenzene	17.73	146	1480592	7.85 ug/L	97
62)	4-isopropyltoluene	17.72	119	2774498m	8.11 ug/L	86
63)	1,4-dichlorobenzene	17.83	146	1470191	7.75 ug/L	99
65)	1,2-dichlorobenzene	18.31	146	1246112	7.73 ug/L	98
66)	n-butylbenzene	18.24	91	2609267	8.04 ug/L	97
67)	1,2-dibromo-3-chloropropan	19.27	75	59149m	7.44 ug/L	90
68)	1,2,4-trichlorobenzene	20.33	180	591017	7.75 ug/L	97
69)	hexachlorobutadiene	20.53	225	409080	8.06 ug/L	100
70)	naphthalene	20.65	128	886925	8.15 ug/L	100
71)	1,2,3-trichlorobenzene	20.97	180	491063	7.98 ug/L	98

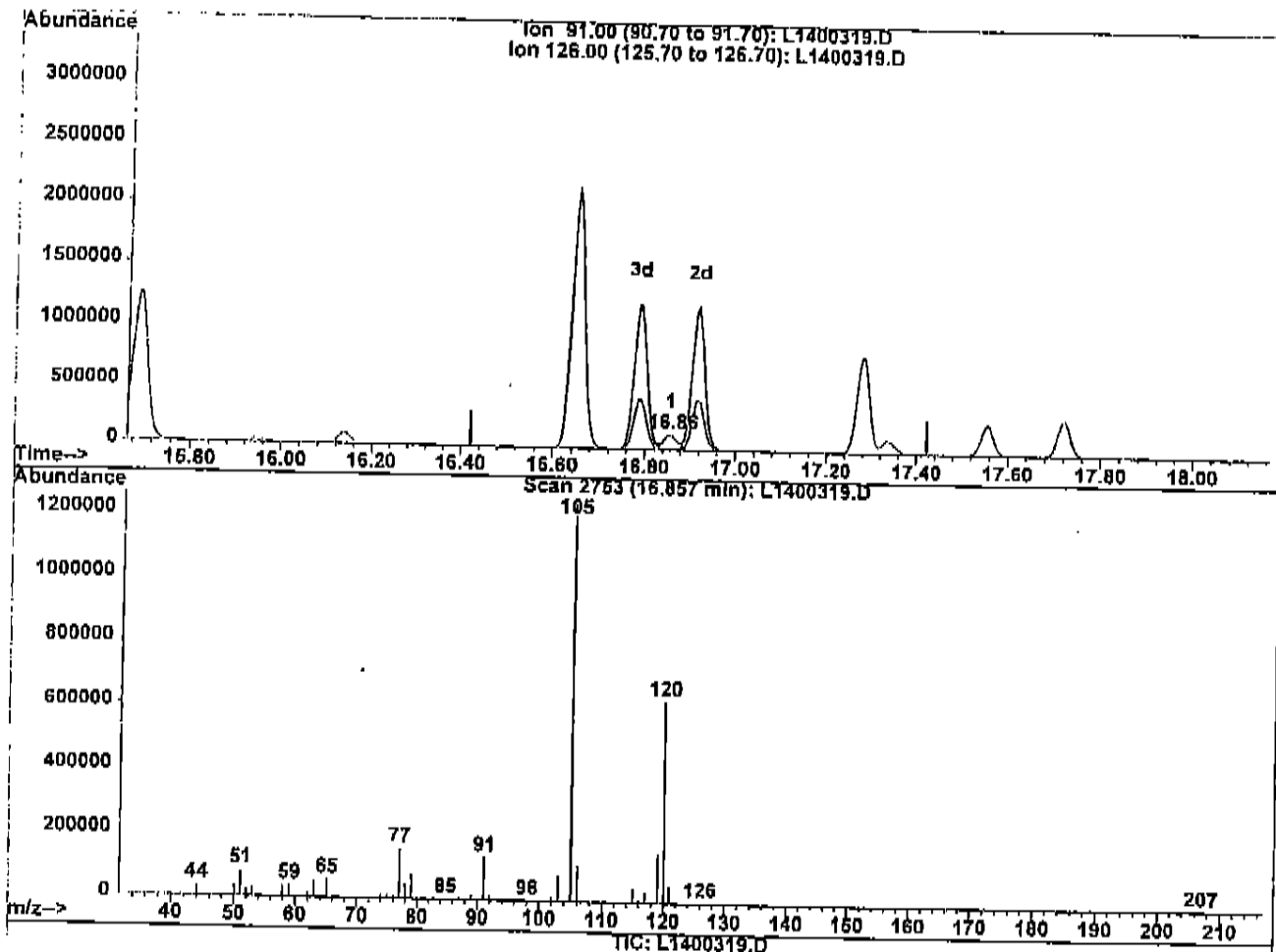
(#) = qualifier out of range (m) = manual integration
L1400319.D 524LB300.M Sat Dec 16 13:18:03 2000

Quantitation Report

Data File : D:\DATAFILE\12142000\L1400319.D
 Acq On : 15 Dec 00 12:34 am
 Sample : 8ppb cal ver
 Misc : 121-11-4
 Quant Time: Dec 16 13:17 19100

Vial: 19
 Operator: ricci
 Inst : GCMS 03
 Multiplr: 1.00
 Quant Results File: temp.res

Method : C:\HPCHEM\3\METHODS\524LB300.M (RTE Integrator)
 Title : GC/MS #3 epa524.2 12/14/2000
 Last Update : Fri Dec 15 09:37:05 2000
 Response via : Multiple Level Calibration



(55) 4-chlorotoluene (T)

16.86min 0.88ug/L

response 267733

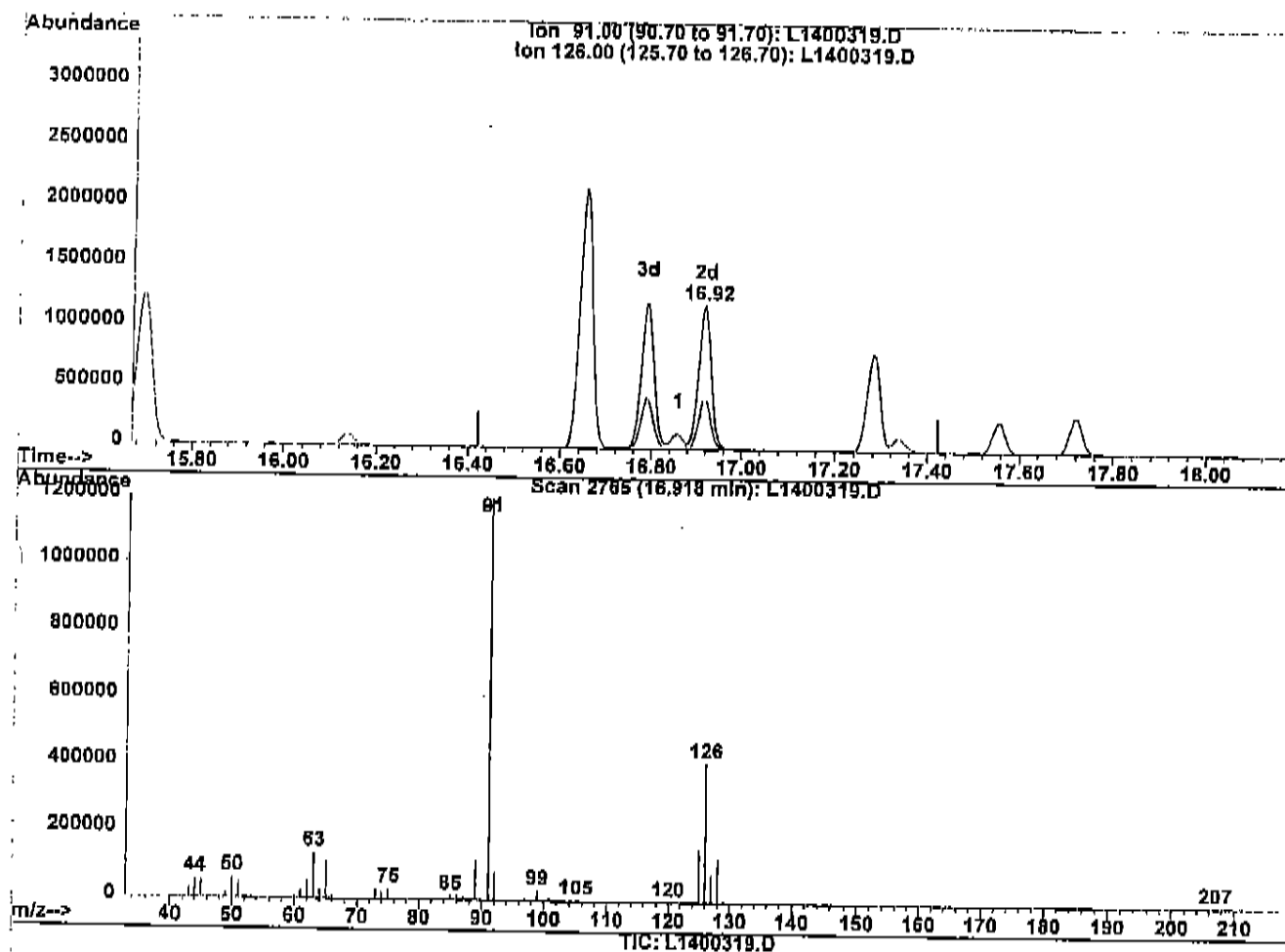
Ion	Exp%	Act%
91.00	100	100
126.00	38.00	2.59#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report

Data File : D:\DATAFILE\12142000\L1400319.D
 Acq On : 15 Dec 00 12:34 am
 Sample : 8ppb cal ver
 Misc : 121-11-4
 Quant Time: Dec 16 13:17 19100

Vial: 19
 Operator: ricci
 Inst : GCMS 03
 Multiplr: 1.00
 Quant Results File: temp.res

Method : C:\HPCHEM\3\METHODS\524LB300.M (RTE Integrator)
 Title : GC/MS #3 epa524.2 12/14/2000
 Last Update : Fri Dec 15 09:37:05 2000
 Response via : Multiple Level Calibration



(55) 4-chlorotoluene (T)

16.92min 7.80ug/L m

response 2373508

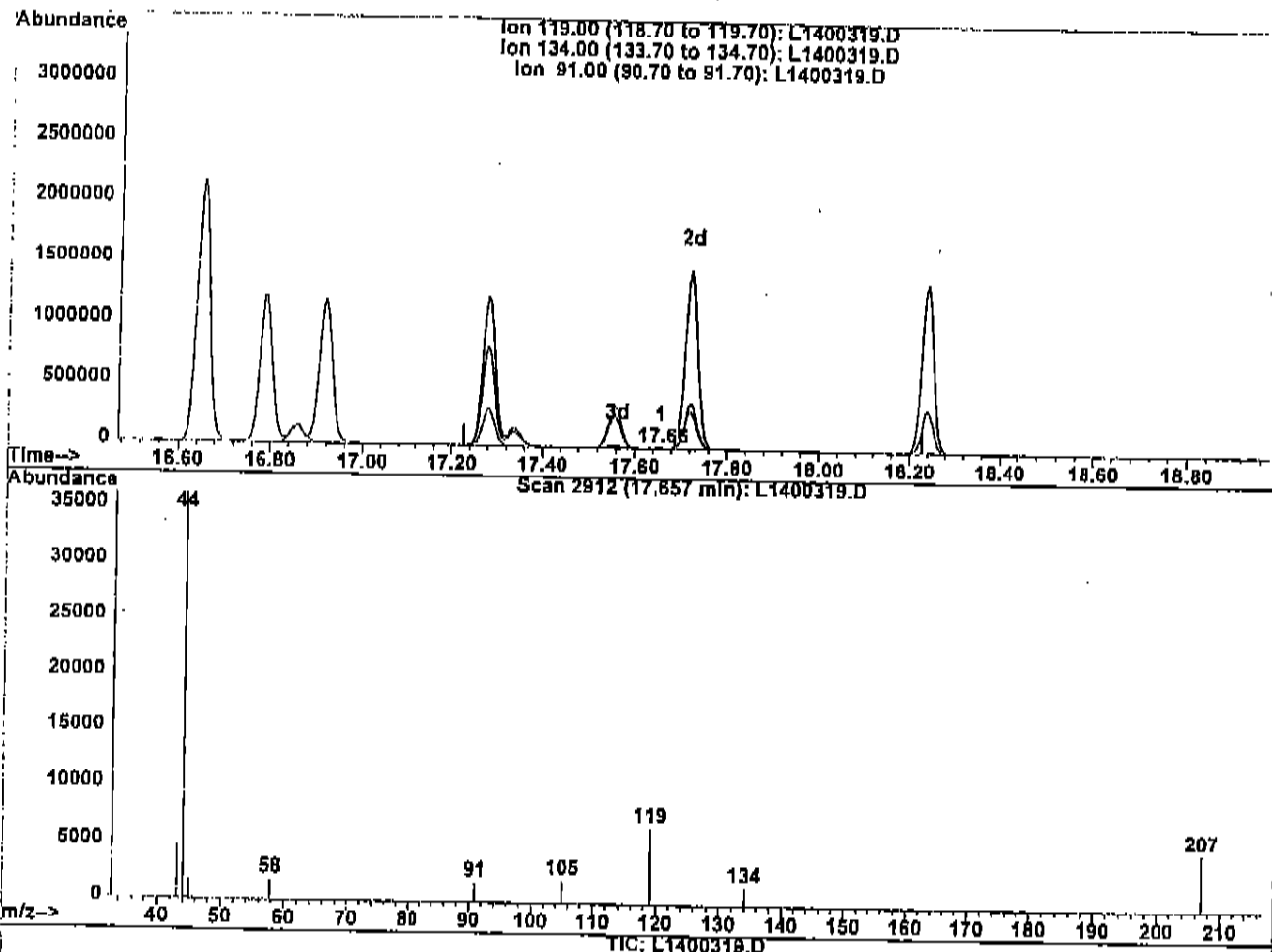
Ion	Exp%	Act%
91.00	100	100
126.00	36.00	0.29#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report

Data File : D:\DATAFILE\12142000\L1400319.D
 Acq On : 15 Dec 00 12:34 am
 Sample : 8ppb cal ver
 Misc : 121-11-4
 Quant Time: Dec 16 13:16 19100

Vial: 19
 Operator: ricci
 Inst : GCMS 03
 Multiplr: 1.00
 Quant Results File: temp.1.gs

Method : C:\HPCHEM\3\METHODS\524LB300.M (RTE Integrator)
 Title : GC/MS #3 epa524.2 12/14/2000
 Last Update : Fri Dec 15 09:37:05 2000
 Response via : Multiple Level Calibration



(62) 4-isopropyltoluene (T)

17.66min 0.04ug/L

response 12504

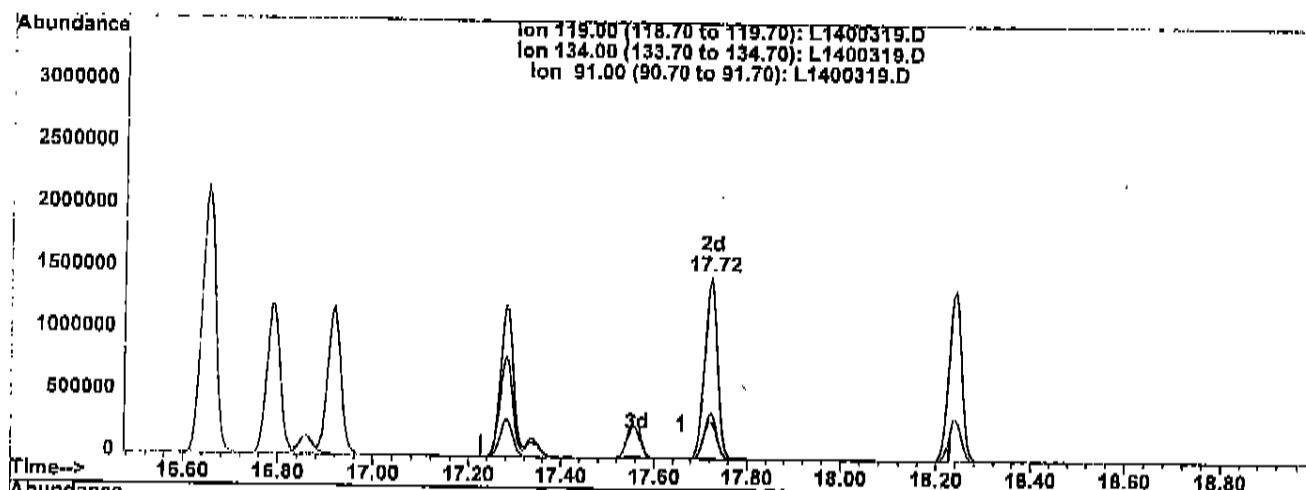
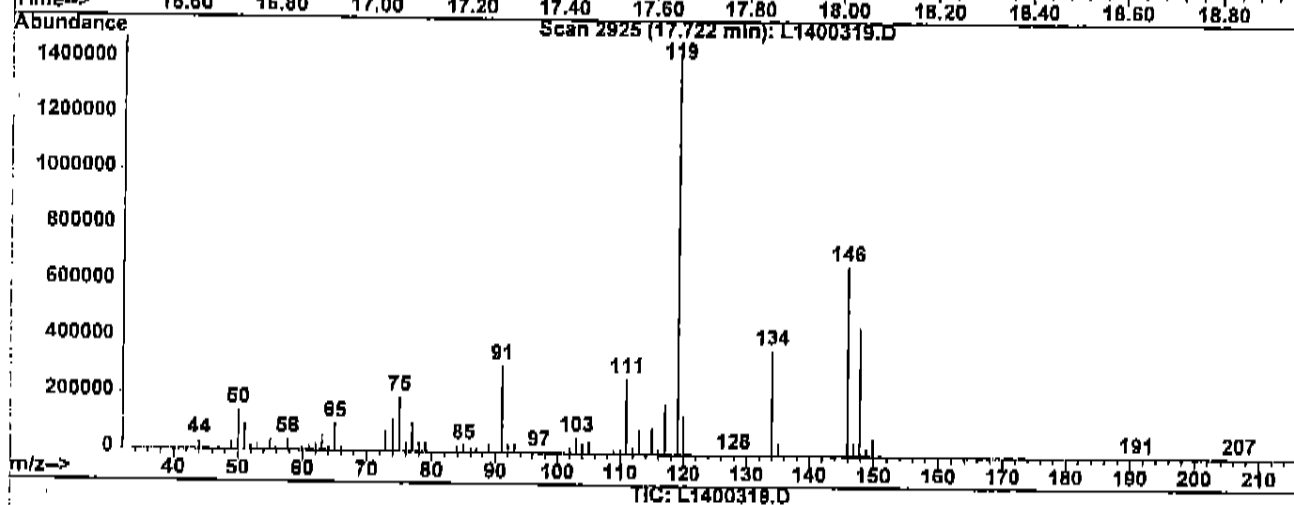
Ion	Exp%	Act%
119.00	100	100
134.00	27.00	23.56
91.00	23.00	12.34
0.00	0.00	0.00

Quantitation Report

Data File : D:\DATAFILE\12142000\L1400319.D
 Acq On : 15 Dec 00 12:34 am
 Sample : 8ppb cal ver
 Misc : 121-11-4
 Quant Time: Dec 16 13:16 19100

Vial: 19
 Operator: ricci
 Inst : GCMS 03
 Multiplr: 1.00
 Quant Results File: temp.res

Method : C:\HPCHEM\3\METHODS\524LB300.M (RTE Integrator)
 Title : GC/MS #3 epa524.2 12/14/2000
 Last Update : Fri Dec 15 09:37:05 2000
 Response via : Multiple Level Calibration



(62) 4-Isopropyltoluene (T)

17.72min 8.11ug/L m

response 2774498

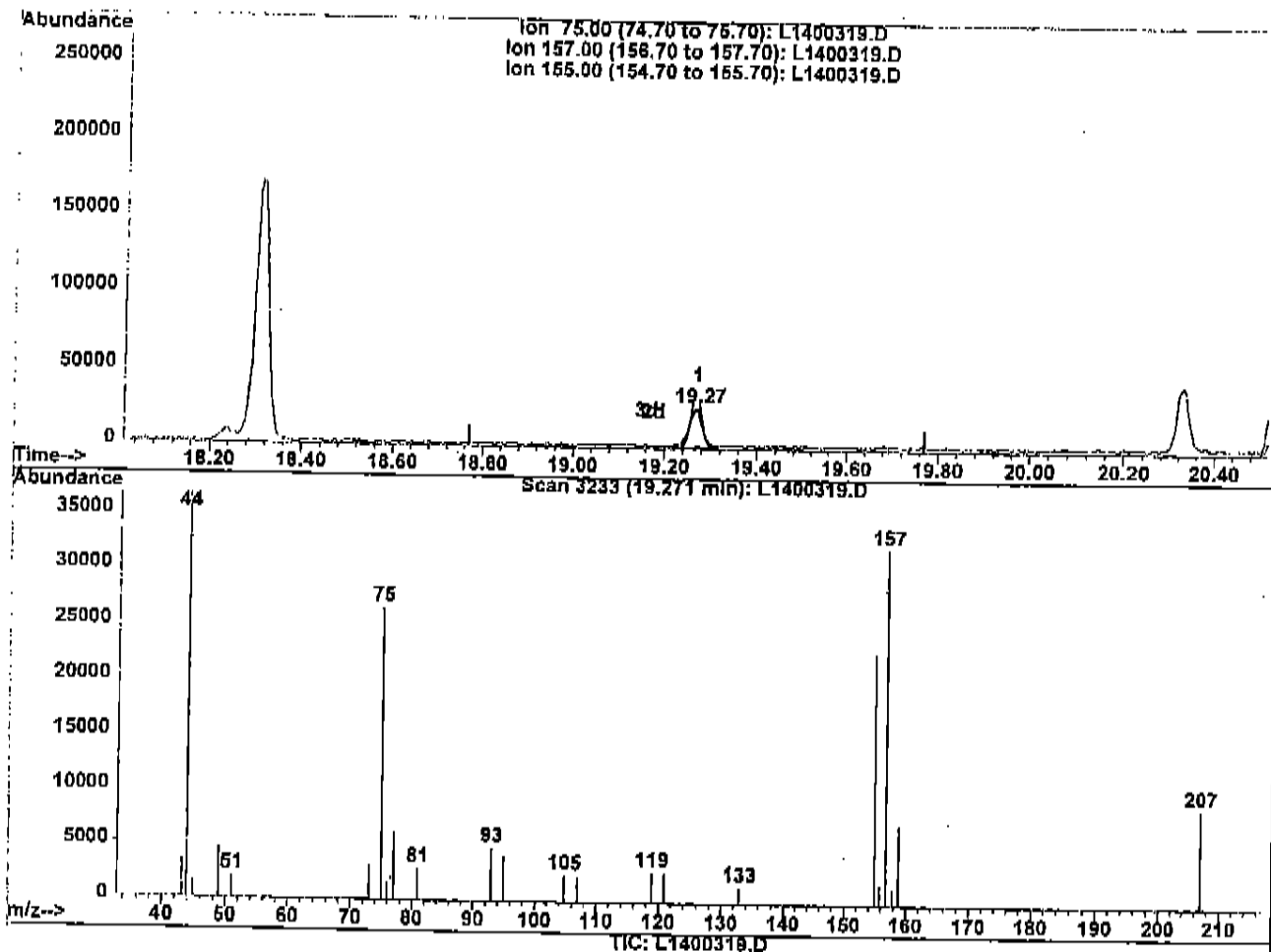
Ion	Exp%	Act%
119.00	100	100
134.00	27.00	0.11#
91.00	23.00	0.06#
0.00	0.00	0.00

Quantitation Report

Data File : D:\DATAFILE\12142000\L1400319.D
 Acq On : 15 Dec 00 12:34 am
 Sample : 8ppb cal ver
 Misc : 121-11-4
 Quant Time: Dec 16 13:16 19100

Vial: 19
 Operator: ricci
 Inst : GCMS 03
 Multiplr: 1.00
 Quant Results File: temp.res

Method : C:\HPCHEM\3\METHODS\524LB300.M (RTE Integrator)
 Title : GC/MS #3 epa524.2 12/14/2000
 Last Update : Fri Dec 15 09:37:05 2000
 Response via : Multiple Level Calibration



(67) 1,2-dibromo-3-chloropropane (T)

19.27min 6.70ug/L

response 53271

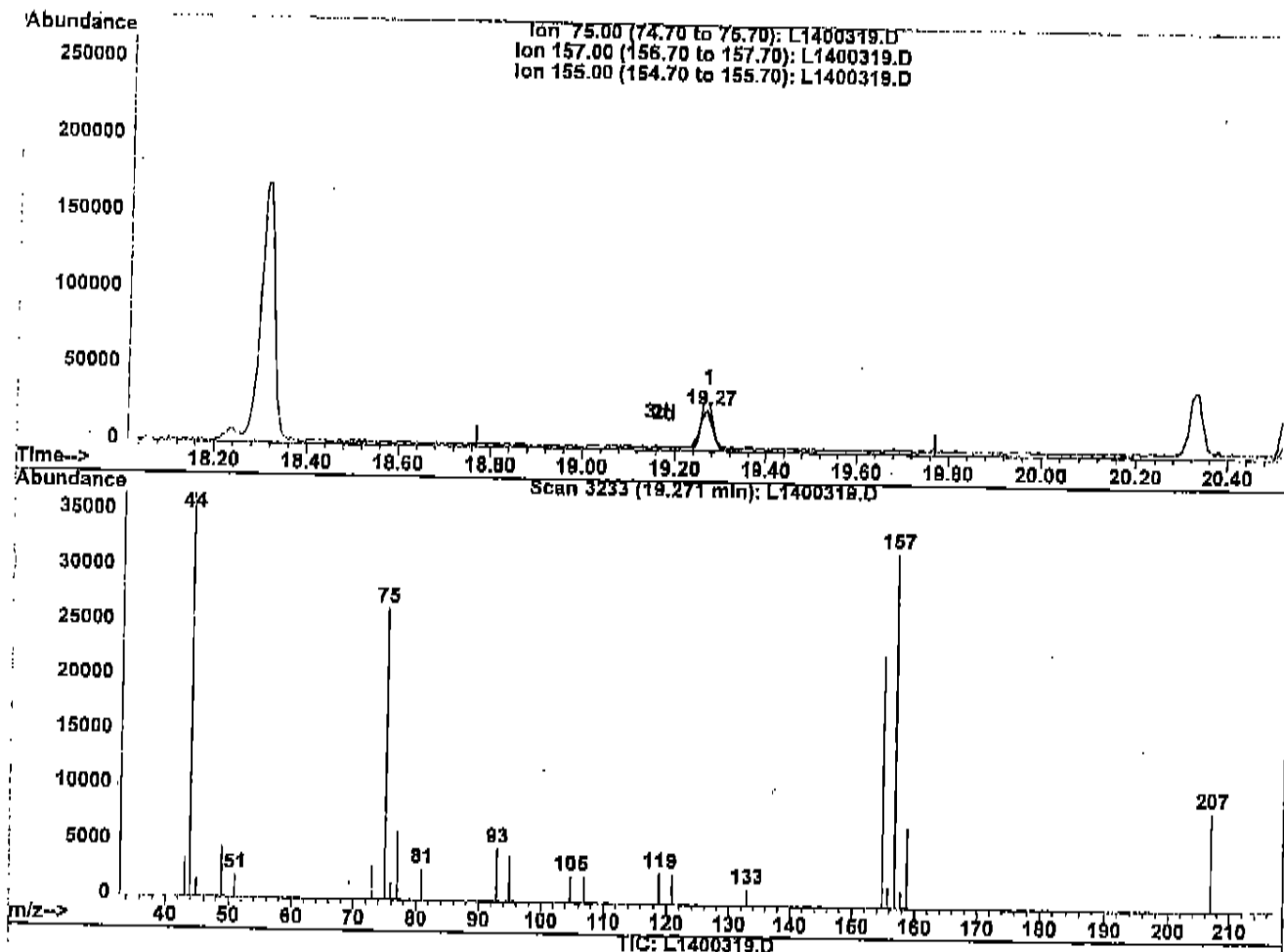
Ion	Exp%	Act%
75.00	100	100
157.00	128.00	119.75
155.00	100.00	87.02
0.00	0.00	0.00

Quantitation Report

Data File : D:\DATAFILE\12142000\L1400319.D
 Acq On : 15 Dec 00 12:34 am
 Sample : 8ppb cal ver
 Misc : 121-11-4
 Quant Time: Dec 16 13:17 19100

Vial: 19
 Operator: ricci
 Inst : GCMS 03
 Multiplr: 1.00
 Quant Results File: temp.res

Method : C:\HPCHEM\3\METHODS\524LB300.M (RTE Integrator)
 Title : GC/MS #3 epa524.2 12/14/2000
 Last Update : Fri Dec 15 09:37:05 2000
 Response via : Multiple Level Calibration



(67) 1,2-dibromo-3-chloropropane (T)

19.27min 7.44ug/L m

response 69149

Ion	Exp%	Act%
75.00	100	100
157.00	128.00	107.85#
155.00	100.00	78.37#
0.00	0.00	0.00

Evaluate Continuing Calibration Report

Data File : D:\DATAFILE\12142000\L1400319.D
 Acq On : 15 Dec 00 12:34 am
 Sample : 8ppb cal ver
 Misc : 121-11-4
 MS Integration Params: RTEINT.P

Vial: 19
 Operator: ricci
 Inst : GCMS 03
 Multiplr: 1.00

Method : C:\HPCHEM\3\METHODS\524LB300.M (RTE Integrator)
 Title : GC/MS #3 epa524.2 12/14/2000
 Last Update : Fri Dec 15 09:37:05 2000
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 30% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	1.000	1.000	0.0	96	-0.03
2 T	dichlorodifluoromethane	0.233	0.214	8.2	83	0.00
3 TP	chloromethane	0.464	0.427	8.0	90	-0.01
4 TC	vinyl chloride	0.272	0.270	0.7	93	-0.02
5 T	bromomethane	0.147	0.148	-0.7	101	-0.03
6 T	chloroethane	0.132	0.126	4.5	90	-0.03
7 T	trichlorofluoromethane (fre	0.240	0.237	1.3	89	-0.04
8 T	Freon 113	0.000				
9 TCM	1,1-dichloroethene	0.245	0.234	4.5	90	-0.05
10 T	methylene chloride	0.344	0.296	14.0	98	-0.04
11 T	trans-1,2-dichloroethene	0.277	0.271	2.2	94	-0.04
12 T	mtbe	0.310				
13 TP	1,1-dichloroethane	0.504	0.490	2.8	93	-0.04
14 T	etbe (ethyl-t-butyl ether)	0.000				
15 T	2-Butanone (MEK)	0.000				
16 T	2,2-dichloropropane	0.294	0.247	16.0	80	-0.04
17 T	cis-1,2-dichloroethene	0.271	0.265	2.2	95	-0.03
18 T	bromochloromethane	0.107	0.105	1.9	94	-0.03
19 T	tetrahydrofuran	0.000				
20 TC	chloroform	0.426	0.401	5.9	92	-0.04
21 T	1,1,1-trichloroethane	0.332	0.324	2.4	92	-0.03
22 T	carbon tetrachloride	0.289	0.286	1.0	92	-0.03
23 T	1,1-dichloropropene	0.314	0.313	0.3	94	-0.02
24 TM	benzene	0.950	0.928	2.3	92	-0.03
25 T	1,2-dichloroethane	0.182	0.174	4.4	91	-0.03
26 T	TAME(tert amylmethylether)	0.000				
27 TM	trichloroethene	0.259	0.256	1.2	94	-0.02
28 TC	1,2-dichloropropane	0.255	0.248	2.7	93	-0.02
29 T	dibromomethane	0.099	0.097	2.0	95	-0.01
30 T	bromodichloromethane	0.244	0.241	1.2	94	-0.02
31 T	cis-1,3-dichloropropene	0.311	0.292	6.1	90	-0.01
32 T	4-Methyl-2-pentanone (MiBk)	0.000				
33 T	2-chloroethylvinyl Ether	0.000				
34 TMC	toluene	0.541	0.534	1.3	95	-0.01
35 T	trans-1,3-dichloropropene	0.213	0.201	5.6	90	-0.02
36 T	1,1,2-trichloroethane	0.106	0.105	0.9	93	-0.01
37 T	tetrachloroethene	0.227	0.220	3.1	91	0.00
38 T	1,3-dichloropropane	0.207	0.203	1.9	93	-0.01
39 T	dibromochloromethane	0.161	0.158	1.9	92	0.00
40 T	1,2-dibromoethane	0.125	0.126	-0.8	96	-0.01
41 TPM	chlorobenzene	0.571	0.555	2.8	94	0.00
42 T	1,1,1,2-tetrachloroethane	0.202	0.197	2.5	94	-0.02
43 TC	ethylbenzene	0.979	0.974	0.5	94	0.00
44 T	m,p-xylene	0.350	0.345	1.4	93	-0.01
45 T	o-xylene	0.336	0.333	0.9	94	0.00

46	T	styrene	0.534	0.527	1.3	93	0.00
47	TP	bromoform	0.072	0.069	4.2	93	0.00
48	T	isopropylbenzene	0.868	0.872	-0.5	93	0.00
49	SCP	4-bromofluorobenzene (SSTD1	0.284	0.281	1.1	99	0.00
50	T	bromobenzene	0.217	0.209	3.7	93	0.00
5	TP	1,1,2,2-tetrachloroethane	0.126	0.122	3.2	93	0.00
5		1,2,3-trichloropropane	0.108	0.102	5.6	94	0.00
53	T	n-propylbenzene	1.094	1.111	-1.6	93	0.00
54	T	2-chlorotoluene	0.642	0.629	2.0	95	-0.01
55	T	4-chlorotoluene	0.638	0.622	2.5	94	0.00
56	T	1,3,5-trimethylbenzene	0.698	0.695	0.4	95	0.00
57	T	tert-butylbenzene	0.416	0.416	0.0	93	0.00
58	T	1,2,4-trimethylbenzene	0.682	0.682	0.0	95	-0.01
59	T	bis(2-Chloroethyl) ether	0.000				
60	T	sec-butylbenzene	0.910	0.925	-1.6	93	0.00
61	T	1,3-dichlorobenzene	0.395	0.388	1.8	94	0.00
62	T	4-isopropyltoluene	0.717	0.727	-1.4	94	0.00
63	T	1,4-dichlorobenzene	0.398	0.385	3.3	93	0.00
64	SCP	1,4-dcb-d4 (SSTD2)	0.417	0.476	-14.1	100	-0.02
65	T	1,2-dichlorobenzene	0.338	0.326	3.6	94	0.00
66	T	n-butylbenzene	0.680	0.684	-0.6	93	0.00
67	T	1,2-dibromo-3-chloropropane	0.017	0.015	11.8	90	0.00
68	T	1,2,4-trichlorobenzene	0.160	0.155	3.1	94	0.00
69	T	hexachlorobutadiene	0.106	0.107	-0.9	95	0.00
70	T	naphthalene	0.228	0.232	-1.8	98	0.00
71	T	1,2,3-trichlorobenzene	0.129	0.129	0.0	95	0.00

L1400309.D 524LB300.M

Sat Dec 16 13:18:58 2000

Sample Multiplier 1
 Sample Name 8ppb cal ver
 Data File Name L1400319.D
 Operator ricci
 Instrument Name GCMS 03
 Date Acquired 12/15/00 12:34

Name	Amount	Units	Spk. Amt.	% Drift
dichlorodifluoromethane	7.37	ug/L	8	7.92%
chloromethane	7.36	ug/L	8	7.98%
vinyl chloride	7.93	ug/L	8	0.88%
bromomethane	8.06	ug/L	8	0.75%
chloroethane	7.62	ug/L	8	4.71%
trichlorofluoromethane (freon 11)	7.89	ug/L	8	1.37%
Freon 113				
1,1-dichloroethene	7.64	ug/L	8	4.52%
methylene chloride	7.98	ug/L	8	0.27%
trans-1,2-dichloroethene	7.81	ug/L	8	2.38%
mtbe				
1,1-dichloroethane	7.78	ug/L	8	2.70%
etbe (ethyl-t-butyl ether)				
2-Butanone(MEK)				
2,2-dichloropropane	6.73	ug/L	8	15.89%
cis-1,2-dichloroethene	7.82	ug/L	8	2.22%
bromochloromethane	7.88	ug/L	8	1.44%
tetrahydrofuran				
chloroform	7.53	ug/L	8	5.84%
1,1,1-trichloroethane	7.81	ug/L	8	2.41%
carbon tetrachloride	7.92	ug/L	8	1.00%
1,1-dichloropropene	7.99	ug/L	8	0.07%
benzene	7.81	ug/L	8	2.32%
1,2-dichloroethane	7.67	ug/L	8	4.13%
TAME(tert amylmethylether)				
trichloroethene	7.89	ug/L	8	1.32%
1,2-dichloropropane	7.78	ug/L	8	2.73%
dibromomethane	7.89	ug/L	8	1.34%
bromodichloromethane	7.92	ug/L	8	0.94%
cis-1,3-dichloropropene	7.52	ug/L	8	6.03%
4-Methyl-2-pentanone (MiBk)				
2-chloroethylvinyl Ether				
toluene	7.89	ug/L	8	1.33%
trans-1,3-dichloropropene	7.56	ug/L	8	5.46%
1,1,2-trichloroethane	7.90	ug/L	8	1.20%

tetrachloroethene	7.74	ug/L	8	3.20%
1,3-dichloropropane	7.88	ug/L	8	1.51%
dibromochloromethane	7.87	ug/L	8	1.59%
1,2-dibromoethane	8.10	ug/L	8	1.23%
chlorobenzene	7.78	ug/L	8	2.77%
1,1,1,2-tetrachloroethane	7.79	ug/L	8	2.60%
ethylbenzene	7.96	ug/L	8	0.49%
m,p-xylene	15.78	ug/L	16	1.37%
o-xylene	7.91	ug/L	8	1.19%
styrene	7.90	ug/L	8	1.27%
bromoform	7.66	ug/L	8	4.19%
isopropylbenzene	8.03	ug/L	8	0.38%
4-bromofluorobenzene (SSTD1)	1.98	ug/L	2	0.93%
bromobenzene	7.71	ug/L	8	3.61%
1,1,2,2-tetrachloroethane	7.74	ug/L	8	3.20%
1,2,3-trichloropropane	7.60	ug/L	8	5.05%
n-propylbenzene	8.13	ug/L	8	1.56%
2-chlorotoluene	7.83	ug/L	8	2.06%
4-chlorotoluene	7.80	ug/L	8	2.53%
1,3,5-trimethylbenzene	7.97	ug/L	8	0.32%
tert-butylbenzene	7.99	ug/L	8	0.11%
1,2,4-trimethylbenzene	8.01	ug/L	8	0.14%
bis(2-Chloroethyl) ether				
sec-butylbenzene	8.13	ug/L	8	1.59%
1,3-dichlorobenzene	7.85	ug/L	8	1.84%
4-isopropyltoluene	8.11	ug/L	8	1.42%
1,4-dichlorobenzene	7.75	ug/L	8	3.09%
1,4-dcb-d4 (SSTD2)	2.28	ug/L	2	13.94%
1,2-dichlorobenzene	7.73	ug/L	8	3.34%
n-butylbenzene	8.04	ug/L	8	0.56%
1,2-dibromo-3-chloropropane	7.44	ug/L	8	6.94%
1,2,4-trichlorobenzene	7.75	ug/L	8	3.18%

Combined Ave % Drift 2.52%

Quantitation Report

(QT Reviewed)

Data File : D:\DATAFILE\12142000\L1400320.D

Acq On : 15 Dec 00 1:14 am

Sample : custom cal ver

Misc : 121-8-10

MS Integration Params: RTEINT.P

Quant Time: Dec 19 14:01 19100

Vial: 20

Operator: ricci

Inst : GCMS 03

Multiplr: 1.00

Quant Results File: KSTLA300.RE

Quant Method : C:\HPCHEM\3\METHODS\KSTLA300.M (RTE Integrator)

Title : GC/MS #3 epa524.2 12/04/2000

Last Update : Mon Dec 04 13:19:36 2000

Response via : Initial Calibration

DataAcq Meth : 524REV2

Internal Standards

	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	11.08	96	1052251	2.00	ug/L	-0.01

System Monitoring Compounds

9) 4-bromofluorobenzene (SSTD)	16.34	95	290058	2.08	ug/L	0.00
Spiked Amount	2.000					
			Recovery	=	104.00%	
11) 1,4-dcb-d4 (SSTD2)	18.29	150	352497	2.06	ug/L	0.00
Spiked Amount	2.000					
			Recovery	=	103.00%	

Target Compounds

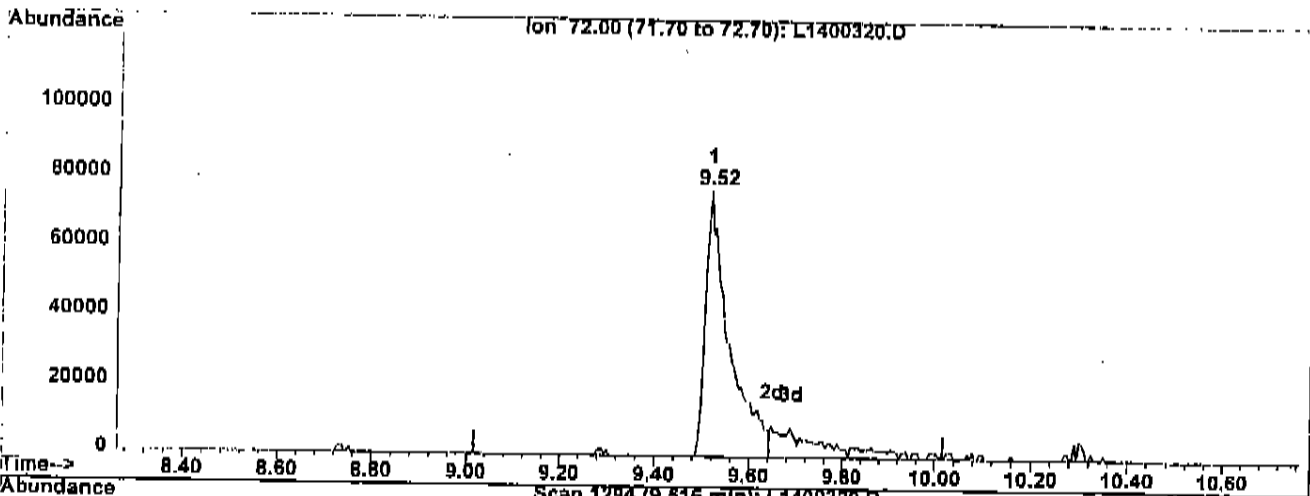
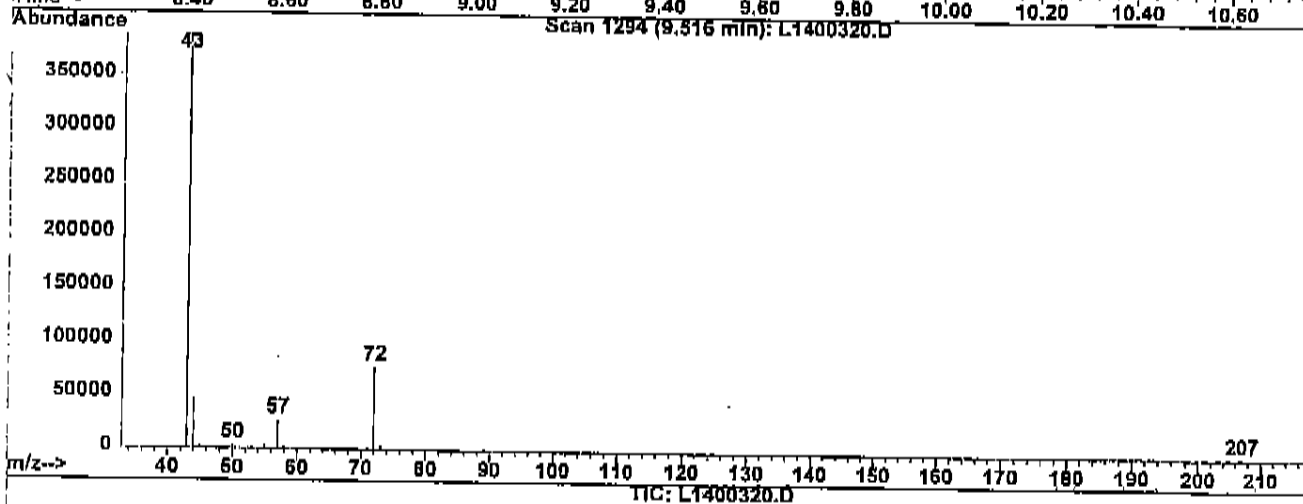
	R.T.	QIon	Response	Conc	Units	Qvalue
2) Freon 113	6.49	101	1492004	14.62	ug/L	96
3) etbe (ethyl-t-butyl ether)	9.28	59	2000175	8.66	ug/L	92
4) 2-Butanone (MEK)	9.52	72	342345m	87.18	ug/L	100
6) TAME (tert amylmethylether)	10.87	73	1388222	8.84	ug/L	93
7) 4-Methyl-2-pentanone (MiBk)	12.91	58	1357030	80.69	ug/L	91
8) 2-chloroethylvinyl Ether	12.53	63	255898	65.10	ug/L	99
10) bis(2-Chloroethyl) ether	17.52	93	181336	80.31	ug/L	99

Quantitation Report

Data File : D:\DATAFILE\12142000\L1400320.D
 Acq On : 15 Dec 00 1:14 am
 Sample : custom cal ver
 Misc : 121-8-10
 Quant Time: Dec 19 14:01 19100

Vial: 20
 Operator: ricci
 Inst : GCMS 03
 Multiplr: 1.00
 Quant Results File: temp.res

Method : C:\HPCHEM\3\METHODS\KSTLA300.M (RTE Integrator)
 Title : GC/MS #3 epa524.2 12/04/2000
 Last Update : Mon Dec 04 13:19:36 2000
 Response via : Multiple Level Calibration



(4) 2-Butanone(MEK) (T)

9.52min 69.98ug/L

response 274784

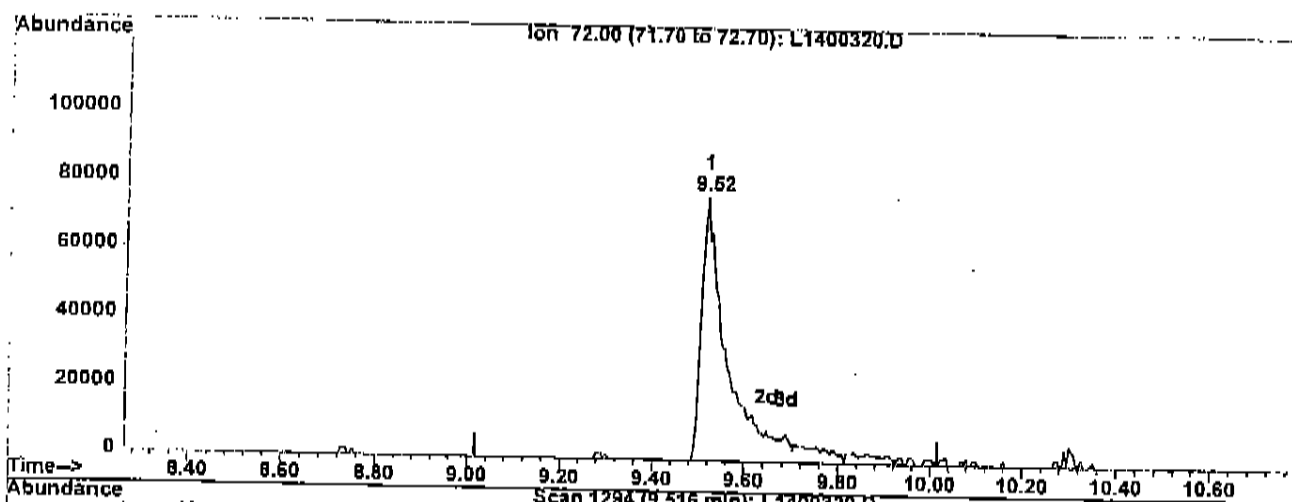
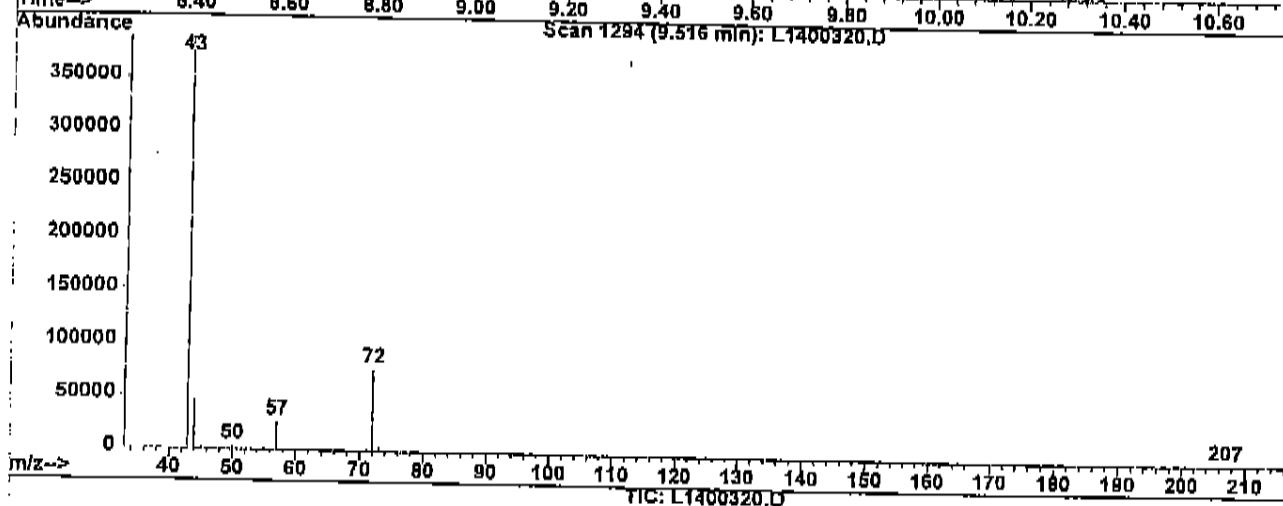
Ion	Exp%	Act%
72.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report

Data File : D:\DATAFILE\12142000\L1400320.D
 Acq On : 15 Dec 00 1:14 am
 Sample : custom cal ver
 Misc : 121-8-10
 Quant Time: Dec 19 14:01 19100

Vial: 20
 Operator: ricci
 Inst : GCMS 02
 Multiplr: 1.00
 Quant Results File: temp.res

Method : C:\HPCHEM\3\METHODS\KSTLA300.M (RTE Integrator)
 Title : GC/MS #3 epa524.2 12/04/2000
 Last Update : Mon Dec 04 13:19:36 2000
 Response via : Multiple Level Calibration



(4) 2-Butanone(MEK) (T)

9.52min 87.18ug/L m

response 342345

Ion	Exp%	Act%
72.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

CHAIN OF CUSTODY RECORD

Page 1 of 2

CLIENT NAME: Hydro Geo Chem				PROJECT: Zero		ANALYSIS REQUESTED		SPECIAL HANDLING	
ADDRESS: 51 West Westminster Rd, Suite 101 Tucson AZ 85705				PHONE #: (520) 293-1500				☐ Same Day Rush ☐ 24 Hour Rush ☐ 48 - 72 Hour Rush ☐ 4 - 5 Days ☐ 7 - 10 Business Days ☒ OAQOC Package Reporting Agency: RWQCS Method of Shipment: Express	
PROJECT MANAGER: John Ward				SAMPLER: John Medina		P.O. #			
ID#	DATE SAMPLED	TIME SAMPLED	SAMPLER TYPE	SAMPLE IDENTIFICATION/SITE LOCATION	# OF CONT.	REMARKS			
001	11/29	15:30	Hand	MW-10	4	X	X		
002	11/29	15:35		MW-110	4	X	X		
003	11/30	10:18		MW-9	4	X	X		
004	11/30	14:05		MW-1	4	X	X		
005	11/30	16:40		MW-2	4	X	X		
006	12/1	10:30		MW-3	4	X	X		
007	12/1	10:35		MW-13	4	X	X		
008	11/30	11:25		RW-3	3	X			
009	11/30	11:25		WW-3	3	X			
010	12/1	10:50		RW-4	3	X			

RELINQUISHED BY	DATE / TIME	RECEIVED BY	DATE / TIME	SAMPLE CONDITION:	DATE / TIME	SAMPLE TYPE CODE:
<i>[Signature]</i>	12/1/00 13:30	<i>[Signature]</i>	12/1/00 13:30	Actual Temperature:		AQL = Aqueous NA = Non Aqueous SL = Sludge DW = Drinking Water WW = Waste Water RW = Rain Water GW = Ground Water SO = Soil SW = Solid Waste OL = Oil OT = Other Matrix
RELINQUISHED BY	DATE / TIME	RECEIVED BY	DATE / TIME	Received On Ice Preserved Evidence Seals Intact Container Attacked Preserved at Lab	☒ Y ☒ Y ☒ Y ☒ Y ☒ Y ☒ Y ☒ Y	☒ N ☒ N ☒ N ☒ N ☒ N ☒ N ☒ N
RELINQUISHED BY	DATE / TIME	RECEIVED BY	DATE / TIME			

RUSH TURN AROUND TIME MAY REQUIRE SURCHARGE TERMS AND CONDITIONS: SEE BACK OF THIS FORM	SPECIAL REQUIREMENTS / BILLING INFORMATION

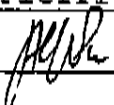
California Regional Water Quality Control Board
Los Angeles Region

Laboratory Report Form (Cover Page 1)

Laboratory Name: Weck Laboratories, Inc.
Address: 14859 East Clark Avenue
Industry, California 91745-1396
Telephone/FAX: (626) 336-2139 / FAX (626) 336-2634

ELAP Certification No.: 1132 Expiration Date: 3/31/02

Authorized Signature
Name, Title (print) Alfredo Pierri / Laboratory Director

Signature, Date  12/29/01

Client Name: Hydro Geo Chem, Inc.

Project Number: _____

Date(s) Sampled: 11/28/00 and 11/29/00

Date(s) Received: 11/29/00

Date(s) Reported: 12/26/00

Chain of Custody Received: **Yes**

Comments: Samples received cold.

Corresponds to Lab# A008393 (001-010)

California Regional Water Quality Control Board
Los Angeles Region

Laboratory Report Form (Cover Page 2)

Organic Analysis # of Samples # of Samples Subcontracted

EPA 524.2 10 None

Sample Condition: Good

Inorganic Analysis # of Samples # of Samples Subcontracted

Sample Condition:

Microbiological Analysis # of Samples # of Samples Subcontracted

Sample Condition:

Other Types of Analyses # of Samples # of Samples Subcontracted

Sample Condition:

ANALYTICAL RESULT FOR ORGANICS

HOD: EPA Method 524.2

REPORTING UNIT: µg/L

Date Analyzed	12/01/00	12/06/00	12/06/00	12/01/00	12/01/00
Date Extracted					
Lab Sample ID	A008393-001	A008393-002	A008393-003	A008393-004	A008393-005
Client Sample ID	MW-4	CW-1	RW-1	MW-5	MW-15
Extraction Solvent	Purge & Trap	Purge & Trap	Purge & Trap	Purge & Trap	Purge & Trap
Extraction Method					
Dilution Factor	1	20	1	1	1
Compound	CRDL				
Dichlorodifluoromethane	1	ND	ND	ND	ND
Chloromethane	0.5	ND	ND	ND	ND
Vinyl chloride	0.5	ND	ND	ND	ND
Bromomethane	0.5	ND	ND	ND	ND
Chloroethane	0.5	ND	ND	ND	ND
Trichlorofluoromethane (Freon 11)	0.5	ND	ND	ND	ND
Trichlorotrifluoroethane (Freon 113)	10	ND	ND	ND	ND
1,1-Dichloroethane	0.5	0.60	ND	ND	ND
Methylene chloride (Dichloromethane)	0.5	ND	ND	ND	ND
trans-1,2-Dichloroethane	0.5	ND	ND	ND	ND
Methyl tert-Butyl Ether	1	ND	ND	ND	ND
1,1-Dichloroethane	0.5	ND	ND	ND	ND
2-Butanone (Methyl ethyl ketone)	5	ND	ND	ND	ND
2,2-Dichloropropane	0.5	ND	ND	ND	ND
cis-1,2-Dichloroethane	0.5	ND	ND	ND	ND
Bromochloromethane	0.5	ND	ND	ND	ND
Chloroform	0.5	1.1	ND	6.0	1.4
1,1-Trichloroethane	0.5	ND	ND	ND	ND
Carbon Tetrachloride	0.5	ND	ND	ND	ND
1,1-Dichloropropene	0.5	ND	ND	ND	ND
Benzene	0.5	ND	ND	ND	ND
1,2-Dichloroethane	0.5	ND	ND	ND	ND
Trichloroethene (TCE)	0.5	14	ND	4.8	4.9
1,2-Dichloropropane	0.5	ND	ND	ND	ND
Dibromomethane	0.5	ND	ND	ND	ND
Bromodichloromethane	0.5	ND	9.4	ND	ND
cis-1,3-Dichloropropene	0.5	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK)	5	ND	ND	ND	ND
2-chloroethylvinyl Ether	1	ND	ND	ND	ND
Toluene	0.5	ND	ND	ND	ND
trans-1,3-Dichloropropene	0.5	ND	ND	ND	ND
1,1,2-Trichloroethane	0.5	ND	ND	ND	ND
Tetrachloroethene (PCE)	0.5	4.0	ND	0.71	0.68
1,3-Dichloropropane	0.5	ND	ND	ND	ND
Dibromochloromethane	0.5	ND	10	ND	ND
1,2-Dibromoethane (EDB)	0.5	ND	ND	ND	ND
Chlorobenzene	0.5	ND	ND	ND	ND
Ethyl benzene	0.5	ND	ND	ND	ND
m/p-xylenes	0.5	ND	ND	ND	ND
o-Xylene	0.5	ND	ND	ND	ND
Styrene	0.5	ND	ND	ND	ND
Bromoform	0.5	ND	2.3	ND	ND
propylbenzene	0.5	ND	ND	ND	ND

Date Analyzed			12/01/00	12/06/00	12/06/00	12/01/00	12/01/00
Date Extracted							
Lab Sample ID			A008393-001	A008393-002	A008393-003	A008393-004	A008393-005
Client Sample ID			MW-4	CW-1	RW-1	MW-5	MW-15
Extraction Solvent			Purge & Trap	Purge & Trap	Purge & Trap	Purge & Trap	Purge & Trap
Extraction Method							
Dilution Factor			1	20	1	1	1
Compound	CRDL						
Bromobenzene	0.5		ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	0.5		ND	ND	ND	ND	ND
1,2,3-Trichloropropane	0.5		ND	ND	ND	ND	ND
n-Propyl benzene	0.5		ND	ND	ND	ND	ND
2-Chlorotoluene	0.5		ND	ND	ND	ND	ND
4-Chlorotoluene	0.5		ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	0.5		ND	ND	ND	ND	ND
tert-Butylbenzene	0.5		ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	0.5		ND	ND	ND	ND	ND
bis(2-chloroethyl) Ether	5		ND	ND	ND	ND	ND
sec-Butyl benzene	0.5		ND	ND	ND	ND	ND
1,3-Dichlorobenzene	0.5		ND	ND	ND	ND	ND
4-Isopropyltoluene	0.5		ND	ND	ND	ND	ND
1,4-Dichlorobenzene	0.5		ND	ND	ND	ND	ND
1,2-Dichlorobenzene	0.5		ND	ND	ND	ND	ND
n-Butyl benzene	0.5		ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	1		ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	0.5		ND	ND	ND	ND	ND
Hexachlorobutadiene	0.5		ND	ND	ND	ND	ND
Napthalene	0.5		ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	0.5		ND	ND	ND	ND	ND
Total 1,3-Dichloropropene	0.5		ND	ND	ND	ND	ND
Tert-amyl Methyl Ether	3		ND	ND	ND	ND	ND
Ethyl tert-Butyl Ether	3		ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	0.5		ND	ND	ND	ND	ND
Surrogate	Spike Conc	ACP%	%RC	%RC	%RC	%RC	%RC
4-bromofluorobenzene	2.0	66 - 127	114	92	92.5	124	120
1,2-Dichlorobenzene-d4	2.0	70 - 130	92.5	122	121	99	107

ANALYTICAL RESULT FOR ORGANICS

HOD: EPA Method 524.2

REPORTING UNIT: µg/L

Date Analyzed	12/01/00	12/06/00	12/06/00	12/01/00	12/01/00
Date Extracted					
Lab Sample ID	A008393-006	A008393-007	A008393-008	A008393-009	A008393-009
Client Sample ID	MW-7	CW-2	RW-2	MW-8	MW-8
Extraction Solvent	Purge & Trap	Purge & Trap	Purge & Trap	Purge & Trap	Purge & Trap
Extraction Method					
Dilution Factor	1	20	1	1	10
Compound	CRDL				
Dichlorodifluoromethane	1	ND	ND	ND	
Chloromethane	0.5	ND	ND	ND	
Vinyl chloride	0.5	ND	ND	ND	
Bromomethane	0.5	ND	ND	ND	
Chloroethane	0.5	ND	ND	ND	
Trichlorofluoromethane (Freon 11)	0.5	ND	ND	ND	
Trichlorotrifluoroethane (Freon 113)	10	ND	ND	ND	
1,1-Dichloroethene	0.5	0.96	ND	ND	
Methylene chloride (Dichloromethane)	0.5	ND	ND	ND	
trans-1,2-Dichloroethene	0.5	ND	ND	ND	
Methyl tert-Butyl Ether	1	ND	ND	ND	
1,1-Dichloroethane	0.5	ND	ND	ND	
2-Butanone (Methyl ethyl ketone)	5	ND	ND	ND	
2,2-Dichloropropane	0.5	ND	ND	ND	
cis-1,2-Dichloroethene	0.5	ND	ND	ND	
Bromochloromethane	0.5	ND	ND	ND	
Chloroform	0.5	1.1	ND	5.2	1.0
1,1-Trichloroethane	0.5	ND	ND	ND	
Carbon Tetrachloride	0.5	ND	ND	ND	
1,1-Dichloropropene	0.5	ND	ND	ND	
Benzene	0.5	ND	ND	ND	
1,2-Dichloroethane	0.5	ND	ND	ND	
Trichloroethene (TCE)	0.5	6.3	ND	ND	
1,2-Dichloropropane	0.5	ND	ND	ND	61
Dibromomethane	0.5	ND	ND	ND	
Bromodichloromethane	0.5	ND	ND	7.8	ND
cis-1,3-Dichloropropene	0.5	ND	ND	ND	
4-Methyl-2-pentanone (MIBK)	5	ND	ND	ND	
2-chloroethylvinyl Ether	1	ND	ND	ND	
Toluene	0.5	ND	ND	ND	
trans-1,3-Dichloropropene	0.5	ND	ND	ND	
1,1,2-Trichloroethane	0.5	ND	ND	ND	
Tetrachloroethene (PCE)	0.5	4.4	ND	ND	2.5
1,3-Dichloropropane	0.5	ND	ND	ND	
Dibromochloromethane	0.5	ND	ND	8.4	ND
1,2-Dibromoethane (EDB)	0.5	ND	ND	ND	
Chlorobenzene	0.5	ND	ND	ND	
Ethyl benzene	0.5	ND	ND	ND	
m/p-xylenes	0.5	ND	ND	ND	
o-Xylene	0.5	ND	ND	ND	
Styrene	0.5	ND	ND	ND	
Bromoform	0.5	ND	ND	1.8	ND
propylbenzene	0.5	ND	ND	ND	

Date Analyzed		12/01/00	12/05/00	12/06/00	12/01/00	12/01/00
Date Extracted						
Lab Sample ID		A008393-006	A008393-007	A008393-008	A008393-009	A008393-009
Client Sample ID		MW-7	CW-2	RW-2	MW-8	MW-8
Extraction Solvent		Purge & Trap	Purge & Trap	Purge & Trap	Purge & Trap	Purge & Trap
Extraction Method						
Dilution Factor		1	20	1	1	10
Compound	CRDL					
Bromobenzene	0.5	ND	ND	ND	ND	
1,1,2,2-Tetrachloroethane	0.5	ND	ND	ND	ND	
1,2,3-Trichloropropane	0.5	ND	ND	ND	ND	
n-Propyl benzene	0.5	ND	ND	ND	ND	
2-Chlorotoluene	0.5	ND	ND	ND	ND	
4-Chlorotoluene	0.5	ND	ND	ND	ND	
1,3,5-Trimethylbenzene	0.5	ND	ND	ND	ND	
tert-Butylbenzene	0.5	ND	ND	ND	ND	
1,2,4-Trimethylbenzene	0.5	ND	ND	ND	ND	
bis(2-chloroethyl) Ether	5	ND	ND	ND	ND	
sec-Butyl benzene	0.5	ND	ND	ND	ND	
1,3-Dichlorobenzene	0.5	ND	ND	ND	ND	
4-Isopropyltoluene	0.5	ND	ND	ND	ND	
1,4-Dichlorobenzene	0.5	ND	ND	ND	ND	
1,2-Dichlorobenzene	0.5	ND	ND	ND	ND	
n-Butyl benzene	0.5	ND	ND	ND	ND	
1,2-Dibromo-3-chloropropane (DBCP)	1	ND	ND	ND	ND	
1,2,4-Trichlorobenzene	0.5	ND	ND	ND	ND	
Hexachlorobutadiene	0.5	ND	ND	ND	ND	
Napthalene	0.5	ND	ND	ND	ND	
1,2,3-Trichlorobenzene	0.5	ND	ND	ND	ND	
Total 1,3-Dichloropropene	0.5	ND	ND	ND	ND	
Tert-amyl Methyl Ether	3	ND	ND	ND	ND	
Ethyl tert-Butyl Ether	3	ND	ND	ND	ND	
1,1,1,2-Tetrachloroethane	0.5	ND	ND	ND	ND	
Surrogate	Spike Conc	ACP%	%RC	%RC	%RC	%RC
4-bromofluorobenzene	2.0	66 - 127	109	89.5	92.5	120
1,2-Dichlorobenzene-d4	2.0	70 - 130	90.5	120	118	97
						112

ANALYTICAL RESULT FOR ORGANICS

HOD: EPA Method 524.2

REPORTING UNIT: $\mu\text{g/L}$

Date Analyzed		12/06/00			
Date Extracted					
Lab Sample ID		A008393-010			
Client Sample ID		B-1 / Zero			
Extraction Solvent		Purge & Trap			
Extraction Method					
Dilution Factor		1			
Compound	CRDL				
Dichlorodifluoromethane	1	ND			
Chloromethane	0.5	ND			
Vinyl chloride	0.5	ND			
Bromomethane	0.5	ND			
Chloroethane	0.5	ND			
Trichlorofluoromethane (Freon 11)	0.5	ND			
Trichlorotrifluoroethane (Freon 113)	10	ND			
1,1-Dichloroethane	0.5	ND			
Methylene chloride (Dichloromethane)	0.5	ND			
trans-1,2-Dichloroethane	0.5	ND			
Methyl tert-Butyl Ether	1	ND			
1,1-Dichloroethane	0.5	ND			
2-Butanone (Methyl ethyl ketone)	5	ND			
2,2-Dichloropropane	0.5	ND			
cis-1,2-Dichloroethene	0.5	ND			
Bromochloromethane	0.5	ND			
Chloroform	0.5	ND			
1,1-Trichloroethane	0.5	ND			
Carbon Tetrachloride	0.5	ND			
1,1-Dichloropropene	0.5	ND			
Benzene	0.5	ND			
1,2-Dichloroethane	0.5	ND			
Trichloroethane (TCE)	0.5	ND			
1,2-Dichloropropane	0.5	ND			
Dibromomethane	0.5	ND			
Bromodichloromethane	0.5	ND			
cis-1,3-Dichloropropene	0.5	ND			
4-Methyl-2-pentanone (MIBK)	5	ND			
2-chloroethylvinyl Ether	1	ND			
Toluene	0.5	ND			
trans-1,3-Dichloropropene	0.5	ND			
1,1,2-Trichloroethane	0.5	ND			
Tetrachloroethene (PCE)	0.5	ND			
1,3-Dichloropropane	0.5	ND			
Dibromochloromethane	0.5	ND			
1,2-Dibromoethane (EDB)	0.5	ND			
Chlorobenzene	0.5	ND			
Ethyl benzene	0.5	ND			
m/p-xylenes	0.5	ND			
o-Xylene	0.5	ND			
Styrene	0.5	ND			
Bromoform	0.5	ND			
propylbenzene	0.5	ND			

Date Analyzed		12/06/00					
Date Extracted							
Lab Sample ID		A008393-010					
Client Sample ID		B-1 / Zero					
Extraction Solvent		Purge & Trap					
Extraction Method							
Dilution Factor		1					
Compound	CRDL						
Bromobenzene	0.5	ND					
1,1,2,2-Tetrachloroethane	0.5	ND					
1,2,3-Trichloropropane	0.5	ND					
n-Propyl benzene	0.5	ND					
2-Chlorotoluene	0.5	ND					
4-Chlorotoluene	0.5	ND					
1,3,5-Trimethylbenzene	0.5	ND					
tert-Butylbenzene	0.5	ND					
1,2,4-Trimethylbenzene	0.5	ND					
bis(2-chloroethyl) Ether	5	ND					
sec-Butyl benzene	0.5	ND					
1,3-Dichlorobenzene	0.5	ND					
4-isopropyltoluene	0.5	ND					
1,4-Dichlorobenzene	0.5	ND					
1,2-Dichlorobenzene	0.5	ND					
n-Butyl benzene	0.5	ND					
1,2-Dibromo-3-chloropropane (DBCP)	1	ND					
1,2,4-Trichlorobenzene	0.5	ND					
Hexachlorobutadiene	0.5	ND					
Napthalene	0.5	ND					
1,2,3-Trichlorobenzene	0.5	ND					
Total 1,3-Dichloropropene	0.5	ND					
Tert-amyl Methyl Ether	3	ND					
Ethyl tert-Butyl Ether	3	ND					
1,1,1,2-Tetrachloroethane	0.5	ND					
Surrogate	Spike Conc	ACP%	%RC	%RC	%RC	%RC	%RC
4-bromofluorobenzene	2.0	66 - 127	91.5				
1,2-Dichlorobenzene-d4	2.0	70 - 130	112				

Project No.: Hydro Geo Chem, Inc.

QA/QC REPORT

i. Calibration Standard

(A). Initial Calibration

DATE PERFORMED: 11/29/00
 STANDARD SUPPLY SOURCE: Ultra
 INSTRUMENT I.D.: GC-MS #3

ANALYTICAL METHOD: 524.2
 DATE OF SOURCE: 11/20/00
 LOT NUMBER: P-0925

Compound	Detector	RT	Mass/Conc Unit:	Area	RF	RF (Avg)	SD (N-1)	%RSD
Compound 1			1st Conc			Calibration software from instrument was used. See attachment.		
			2nd Conc					
			3rd Conc					
			4th Conc					
			5th Conc					
Compound 2			1st Conc					
			2nd Conc					
			3rd Conc					
			4th Conc					
			5th Conc					
Compound K			1st Conc					
			2nd Conc					
			3rd Conc					
			4th Conc					
			5th Conc					

(B). Continuing Calibration (Mid-Point) (12/01/00)- See Attachment

Compound	Detector	RT	Mass/Conc Unit:	Area	RF	%Diff	ACP RGE %Diff
Compound 1							
Compound 2							
Compound K							

Project No.: Hydro Geo Chem, Inc.

I. Fortified Blank (LFB)

DATE PERFORMED: 12/01/00
SUPPLY SOURCE: AccuStandard
LOT NUMBER: A0060064 (G); A9120203 (L)
DATE OF SOURCE: 11/20/00

ANALYTICAL METHOD: EPA 524.2
LAB LCS I.D.: 121-41-7 (G); 121-41-8 (L)

UNIT: µg/L

Analyte	Spike Conc	Result	%Recovery	ACP %Rec Limit
Chloromethane	8.00	10.3	129	70 - 130
1,1-DCE	8.00	8.97	112	70 - 130
Chloroform	8.00	9.38	117	70 - 130
1,1,1-Trichloroethene	8.00	10.1	126	70 - 130
Carbon Tetrachloride	8.00	10.2	128	70 - 130
Benzene	8.00	8.28	104	70 - 130
Trichloroethene	8.00	10.0	125	70 - 130
Toluene	8.00	8.15	102	70 - 130
Tetrachloroethene	8.00	8.49	106	70 - 130
o-Xylene	8.00	8.72	109	70 - 130

Project No.: Hydro Geo Chem, Inc.

QA/QC REPORT

I. Calibration Standard

(A). Initial Calibration

DATE PERFORMED: 11/29/00
 STANDARD SUPPLY SOURCE: Ultra
 INSTRUMENT I.D.: GC-MS #3

ANALYTICAL METHOD: 524.2
 DATE OF SOURCE: 11/20/00
 LOT NUMBER: P-0925

Compound	Detector	RT	Mass/Conc Unit:	Area	RF	RF (Avg)	SD (N-1)	%RSD
Compound 1			1st Conc			Calibration software from instrument was used. See attachment.		
			2nd Conc					
			3rd Conc					
			4th Conc					
			5th Conc					
Compound 2			1st Conc					
			2nd Conc					
			3rd Conc					
			4th Conc					
			5th Conc					
Compound K			1st Conc					
			2nd Conc					
			3rd Conc					
			4th Conc					
			5th Conc					

(B). Continuing Calibration (Mid-Point) (12/06/00)- See Attachment

Compound	Detector	RT	Mass/Conc Unit:	Area	RF	%Diff	ACP RGE %Diff
Compound 1							
Compound 2							
Compound K							

Project No.: Hydro Geo Chem, Inc.

I. Fortified Blank (LFB)

DATE PERFORMED: 12/06/00
SUPPLY SOURCE: AccuStandard
LOT NUMBER: A0060064 (G); A9120203 (L)
DATE OF SOURCE: 11/20/00

ANALYTICAL METHOD: EPA 524.2
LAB LCS I.D.: 121-41-7 (G), 121-41-8 (L)

UNIT: µg/L

Analyte	Spike Conc	Result	%Recovery	ACP %Rec Limit
Chloromethane	8.00	8.19	102	70 - 130
1,1-DCE	8.00	7.64	95.5	70 - 130
Chloroform	8.00	8.22	103	70 - 130
1,1,1-Trichloroethene	8.00	8.41	105	70 - 130
Carbon Tetrachloride	8.00	8.59	107	70 - 130
Benzene	8.00	8.12	102	70 - 130
Trichloroethene	8.00	7.37	92.1	70 - 130
Toluene	8.00	7.66	95.6	70 - 130
Tetrachloroethene	8.00	7.0	87.5	70 - 130
o-Xylene	8.00	7.67	95.9	70 - 130

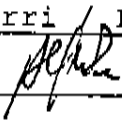
California Regional Water Quality Control Board
Los Angeles Region

Laboratory Report Form (Cover Page 1)

Laboratory Name: Weck Laboratories, Inc.
Address: 14859 East Clark Avenue
Industry, California 91745-1396
Telephone/FAX: (818) 336-2139 / FAX (818) 336-2634

ELAP Certification No.: 1132 Expiration Date: 3/31/02

Authorized Signature
Name, Title (print) Alfredo Pierri / Laboratory Director

Signature, Date  12/29/00

Client Name: Hydro Geo Chem, Inc.

Project Number: _____

Date(s) Sampled: 11/28/00 and 11/29/00

Date(s) Received: 11/29/00

Date(s) Reported: 12/26/00

Chain of Custody Received: Yes

Comments: Samples received cold.

Corresponds to Lab# A008393 -001, -004, -005, -006,
-009 and -010

(RWQCB LabForm; Ver12/94)

California Regional Water Quality Control Board
Los Angeles Region

Laboratory Report Form (Cover Page 2)

<u>Organic Analysis</u>	# of Samples	# of Samples Subcontracted
EPA 8270 Modified	6	None

Sample Condition: Good

<u>Inorganic Analysis</u>	# of Samples	# of Samples Subcontracted
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Sample Condition:

<u>Microbiological Analysis</u>	# of Samples	# of Samples Subcontracted
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Sample Condition:

<u>Other Types of Analyses</u>	# of Samples	# of Samples Subcontracted
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Sample Condition:

REPORTING UNIT: ug/L

HOD: 8270 Modified

Prepared by Weck Laboratories, Inc.

QA/QC REPORT

1. Calibration Standard

(A). Initial Calibration

DATE PERFORMED: 11/08/00

STANDARD SUPPLY SOURCE: NSI Solution

INSTRUMENT I.D.: GC/MS #6

ANALYTICAL METHOD: 8270 Modified

DATE OF SOURCE: 07/12/00

LOT NUMBER: 480-03-02

Compound	Detector	RT	Mass/Conc Unit: mg/L	Area	RF	RF (Avg)	SD (N-1)	%RSD
1,4-Dioxane	MS	7.32	2.5	38607	0.896	0.881	0.016	1.78
		7.32	5	77396	0.898			
		7.31	10	200047	0.873			
		7.31	20	290203	0.880			
		7.31	40	561561	0.881			

(B). Continuing Calibration (Mid-Point) - 12/06/00

Compound	Detector	RT	Mass/Conc Unit: mg/L	Area	RF	%Diff	ACP RGE %Diff
1,4-Dioxane	MS	7.17	9.71	216192	0.856	2.9	20

QA/QC REPORT (Continued)

I. Matrix Spike (MS)/Matrix Spike Duplicate (MSD)

DATE PERFORMED: 12/06/00BATCH #: WS20107LAB SAMPLE I.D.: A008396-001ANALYTICAL METHOD: EPA 8270 ModifiedUNIT: ug/L

Analyte	Sample Result	Spike Conc	MS	%MS	Spike Conc, (Dup)	MSD	%MSD	%RPD	MS/MSD Limit	RPD Limit
1,4-Dioxane	ND	10	8.8	88	10	8.71	87.1	1.0	70 - 130	20

II. Laboratory Quality Control Check Sample (LCS)

DATE PERFORMED: 12/06/00SUPPLY SOURCE: AbsoluteLOT NUMBER: 64-15-01DATE OF SOURCE: 10/25/00ANALYTICAL METHOD: EPA 8270 ModifiedLAB LCS I.D.: LCSUNIT: ug/L

Analyte	Spike Conc	Result	%Recovery	ACP %Rec Limit
1,4-Dioxane	10	9.41	94.1	88 - 134



HJ GEO CHEM, INC.
Environmental Sciences & Technology

008393 (001-011)

Re of 500

Chain of Custody

DATE 11/29/00 PAGE 1 OF 1

PROJECT INFORMATION				SAMPLE RECEIPT		INVOICE TO:														RELINQUISHED BY		RELINQUISHED BY												
PROJECT:	Zero	TOTAL NO. OF CONTAINERS	CHAIN OF CUSTODY SEALS	REC'D GOOD CONDITION/COLD	CONFORMS TO RECORD	LAB NO.	BASE/NEU/ACID CMPS.	GC/MS/ 625/8270	VOLATILE CMPS.	GC/MS/ 624/8240	PESTICIDES/PCB	808/8080	POLYNUCLEAR	AROMATIC 810/8310	PHENOLS, SUB PHENOLS	604/8040	HALOGENATED	VOLATILES 801/8010	AROMATIC VOLATILES	602/8020	TOTAL ORGANIC	CARBON 415/9060	HALIDES 8020	PETROLEUM	HYDROCARBONS 418	524.2	8270M	PRIORITY POLLUTANT	CAM METALS (18)	TTL/STLC	EP TOX	SDMA -INORGANICS	PRIMARY/SECONDARY	NUMBER OF CONTAINERS
MW-4	11/28	14:45	H2O	-001																														4
CW-1	11/28	12:50	H2O	-002																														3
RW-1	11/28	12:55	H2O	-003																														3
MW-5	11/28	16:16	H2O	-004																														4
MW-15	11/28	16:17	H2O	-005																														4
MW-7	11/29	9:31	H2O	-006																														4
CW-2	11/29	10:20	H2O	-007																														3
RW-2	11/29	10:20	H2O	-008																														3
MW-8	11/29	11:35	H2O	-009																														4

PROJECT: Zero

PG NO. 46500

SHIPPING ID. NO.

VIA

SPECIAL INSTRUCTIONS/COMMENTS: Regular turnaround.

QuacB

Form

needed

lowest mms

for 524-2

RECEIVED BY (Signature) [Signature] (Time) 11:29/00

RECEIVED BY (LABORATORY) (Signature) [Signature] (Time) 11:29/00

RECEIVED BY (LABORATORY) (Printed Name) Wick lab (Date) 11/29/00

CHAIN OF CUSTODY RECORD

[illegible]

TABLE B.1
Groundwater Analytical Results

Well	Screen	Date Sampled	Time Sampled	Freon-12	Chloro methane	Vinyl Chloride	Bromo methane	Chloro ethane	Freon-11	Freon-113	1,1-DCE	Methylene Chloride	trans-1,2-DCE	MTBE	1,1-DCA	2-Butanone (MEK)	2,2-Dichloro propane	cis-1,2-DCE	Bromodichloro methane	Chloroform	1,1,1-TCA	Carbon Tetrachloride	1,1-Dichloro propane	Benzene	1,2-DCA	TCE	1,2-Dichloro propane	
MW-1	Upper	14-Aug-92	8:30 PM	(100)	(200)	(200)	(200)	(200)	(100)	na	(100)	(100)	(5)	(100)	na	(100)	na	(100)	(100)	(100)	Trace	(100)	(100)	(100)	(100)	(100)	3,400	(100)
MW-1	Upper	10-Dec-92	8:36 PM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	3.2	(5)	(0.5)	(0.5)	na	(0.5)	na	(0.5)	(0.5)	(0.5)	8.1	0.9	(0.5)	(0.5)	(0.5)	2,300	(0.5)	
MW-1	Upper	19-Mar-93	12:21 PM	(0.5)	(1.0)	(0.5)	(0.5)	(1.0)	(0.5)	na	2.9	(1)	(0.5)	(0.5)	na	(0.5)	na	(0.5)	(0.5)	(0.5)	7.9	0.8	(0.5)	(0.5)	(0.5)	1,900	(0.5)	
MW-1	Upper	29-Jun-93	2:35 PM	(0.5)	(1.0)	(0.5)	(0.5)	(1.0)	(0.5)	na	2.8	(0.5)	(0.5)	(0.5)	na	(0.5)	na	(0.5)	(0.5)	(0.5)	7.9	0.7	(0.5)	(0.5)	(0.5)	1,800	(0.5)	
MW-1	Upper	1-Oct-93	2:52 PM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	1.2	(0.5)	(0.5)	(0.5)	na	(0.5)	na	(0.5)	(0.5)	(0.5)	5.3	(0.5)	(0.5)	(0.5)	(0.5)	1,100	(0.5)	
MW-1	Upper	30-Dec-93	12:51 PM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	0.9	(0.5)	(0.5)	(0.5)	na	(0.5)	na	(0.5)	(0.5)	(0.5)	5.3	(0.5)	(0.5)	(0.5)	(0.5)	880	(0.5)	
MW-1	Upper	13-Apr-94	8:48 PM	(5)	(10)	(5)	(5)	(10)	(5)	na	(8.0)	(5)	(5)	(5)	na	(5)	na	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	780	(5)	
MW-1	Upper	13-Jul-94	10:00 AM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	(0.5)	(1)	(0.5)	(0.5)	na	(0.5)	na	(0.5)	(0.5)	(0.5)	3.1	(0.5)	(0.5)	(0.5)	(0.5)	750	(0.5)	
MW-1	Upper	21-Sep-94	1:25 PM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	(0.5)	(1)	(0.5)	(0.5)	na	(0.5)	na	(0.5)	(0.5)	(0.5)	1.2	(0.5)	(0.5)	(0.5)	(0.5)	190	(0.5)	
MW-1	Upper	27-Jan-95	2:12 PM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	na	(0.5)	na	(0.5)	(0.5)	(0.5)	1.3	(0.5)	(0.5)	(0.5)	(0.5)	130	(0.5)	
MW-1	Lower	27-Jun-95	7:49 PM	(1)	(1)	(1)	(1)	(1)	(1)	na	(1.0)	(2)	(1)	(1)	na	(1)	na	(1)	(1)	(1)	1.5	(1)	(1)	(1)	(1)	47.0	(1)	
MW-1	Upper	28-Jun-95	8:43 AM	(1)	(1)	(1)	(1)	(1)	(1)	na	(1.0)	(2)	(1)	(1)	na	(1)	na	(1)	(1)	(1)	1.5	(1)	(1)	(1)	(1)	41.0	(1)	
MW-1	Upper	31-Jan-96	1:07 PM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	(0.5)	(1)	(0.5)	(0.5)	na	(0.5)	na	(0.5)	(0.5)	(0.5)	2.1	(0.5)	(0.5)	(0.5)	(0.5)	41.0	(0.5)	
MW-1	Upper	22-Jan-97	12:15 PM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	(0.5)	(1)	(0.5)	(0.5)	na	(0.5)	na	(0.5)	(0.5)	(0.5)	7.6	(0.5)	(0.5)	(0.5)	(0.5)	1,700	(0.5)	
MW-1	Upper	31-Jul-97	3:45 PM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	0.50	(1)	2.1	(0.5)	na	(0.5)	na	(0.5)	(0.5)	(0.5)	14.0	(0.5)	(0.5)	(0.5)	1.0	4,300	(0.5)	
MW-1	Upper	16-Jan-98	3:40 PM	(100)	(100)	(100)	(100)	(100)	(200)	(200)	(100)	(200)	(200)	(100)	(100)	(100)	na	(100)	(100)	(100)	(100)	(0.5)	(100)	(100)	(0.5)	5,000	(100)	
MW-1	Upper	28-Jan-99	11:58 AM	(1)	2.5	(0.5)	(0.5)	(0.5)	(5)	(10)	(0.5)	(0.5)	(0.5)	(0.5)	(1)	(0.5)	(5)	(0.5)	(0.5)	(0.5)	1.3	(0.5)	(0.5)	(0.5)	0.5	210	(0.5)	
MW-1	Upper	7-Feb-00	2:28 PM	(1)	(0.5)	(0.5)	(0.5)	(0.5)	(5)	(10)	(0.5)	(0.5)	(0.5)	(0.5)	(1)	(0.5)	(5)	(0.5)	(0.5)	(0.5)	2.9	(0.5)	(0.5)	(0.5)	(0.5)	680	(0.5)	
MW-1	Both	30-Nov-00	2:05 PM	(1)	(0.5)	(0.5)	(0.5)	(0.5)	(5)	(10)	(0.5)	(0.5)	0.55	(1)	(0.5)	(0.5)	(5)	(0.5)	(0.5)	(0.5)	8.0	(0.5)	(0.5)	(0.5)	(0.5)	1,800	(0.5)	
MW-2	Upper	15-Aug-92	10:22 AM	(100)	(200)	(200)	(200)	(200)	(100)	na	(100)	(100)	(100)	(100)	na	(100)	na	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	6,200	(100)	
MW-2	Upper	15-Aug-92	10:22 AM	(100)	(200)	(200)	(200)	(200)	(100)	na	(100)	(100)	(100)	(100)	na	(100)	na	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	6,200	(100)	
MW-2	Upper	10-Dec-92	9:37 PM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	0.5	(0.5)	(0.5)	(0.5)	na	(0.5)	na	(0.5)	(0.5)	(0.5)	7.8	(0.5)	(0.5)	(0.5)	0.5	2,900	(0.5)	
MW-2	Upper	19-Mar-93	10:14 AM	(0.5)	(1.0)	(0.5)	(0.5)	(1.0)	(0.5)	na	(0.5)	(1.0)	(0.5)	(0.5)	na	(0.5)	na	(0.5)	(0.5)	(0.5)	8.0	(0.5)	(0.5)	(0.5)	0.6	2,300	(0.5)	
MW-2	Upper	28-Jun-93	4:30 PM	(0.5)	(1.0)	(0.5)	(0.5)	(1.0)	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	na	(0.5)	na	(0.5)	(0.5)	(0.5)	5.7	(0.5)	(0.5)	(0.5)	(0.5)	1,700	(0.5)	
MW-2	Upper	1-Oct-93	4:38 PM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	na	(0.5)	na	(0.5)	(0.5)	(0.5)	5.0	(0.5)	(0.5)	(0.5)	(0.5)	850	(0.5)	
MW-2	Upper	30-Dec-93	9:17 AM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	na	(0.5)	na	(0.5)	(0.5)	(0.5)	3.0	(0.5)	(0.5)	(0.5)	(0.5)	520	(0.5)	
MW-2	Upper	12-Apr-94	3:43 PM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	na	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	160	(0.5)		
MW-2	Upper	13-Jul-94	12:10 PM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	(0.5)	(1.0)	(0.5)	(0.5)	na	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	0.7	(0.5)	(0.5)	(0.5)	12.0	(0.5)	
MW-2	Upper	20-Sep-94	5:00 PM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	(0.5)	(1.0)	(0.5)	(0.5)	na	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	17.0	(0.5)	
MW-2	Upper	27-Jan-95	9:13 AM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	na	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	24.0	(0.5)	
MW-2	Lower	28-Jun-95	12:25 PM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	(0.5)	(1.0)	(0.5)	(0.5)	na	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	6.0	(0.5)	
MW-2	Upper	28-Jun-95	2:27 PM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	(0.5)	(1.0)	(0.5)	(0.5)	na	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	7.7	(0.5)	
MW-2	Upper	31-Jan-96	11:44 AM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	(0.5)	(1.0)	(0.5)	(0.5)	na	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	1.0	(0.5)	
MW-2	Upper	22-Jan-97	5:58 PM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	(0.5)	(1.0)	(0.5)	(0.5)	na	(0.5)	na	(0.5)	(0.5)	(0.5)	1.6	(0.5)	(0.5)	(0.5)	(0.5)	360	(0.5)	
MW-2	Upper	31-Jul-97	12:30 PM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	(0.5)	(1.0)	(0.5)	0.55	(0.5)	(0.5)	na	(0.5)	(0.5)	(0.5)	6.5	(0.5)	(0.5)	(0.5)	0.63	3,000	(0.5)	
MW-2	Upper	19-Jan-98	11:05 AM	(20)	(20)	(20)	(20)	(20)	(40)	(40)	(20)	(40)	(20)	(20)	(1)	(20)	na	(20)	(20)	(20)	(20)	(20)	(20)	(20)	(20)	690	(20)	
MW-2	Upper	12-Feb-99	3:15 PM	(1)	(0.5)	(0.5)	(0.5)	(0.5)	(5)	(10)	(0.5)	(0.5)	(0.5)	(0.5)	(1)	(0.5)	(5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	91	(0.5)	
MW-2	Upper	12/28/00	4:11 PM	(1)	(0.5)	(0.5)	(0.5)	(0.5)	(5)	(10)	(0.5)	(0.5)	(0.5)	(0.5)	(1)	(0.5)	(5)	(0.5)	(0.5)	(0.5)	0.5	(0.5)	(0.5)	(0.5)	(0.5)	120	(0.5)	
MW-2	Both	30-Nov-00	4:40 PM	(1)	(0.5)	(0.5)	(0.5)	(0.5)	(5)	(10)	(0.5)	(0.5)	0.5	(1)	(0.5)	(0.5)	(5)	(0.5)	(0.5)	(0.5)	1.7	(0.5)	(0.5)	(0.5)	(0.5)	470	(0.5)	
MW-3	Upper	14-Aug-92	11:20 PM	(20)	(50)	(50)	(50)	(50)	(20)	na	(20)	(20)	(20)	(20)	na	(20)	na	(20)	(20)	Trace	(20)	(20)	(20)	(20)	(20)	630	(20)	
MW-3	Upper	14-Aug-92	11:20 PM	(20)	(50)	(50)	(50)	(50)	(20)	na	(20)	(20)	(20)	(20)	na	(20)	na	(20)	(20)	Trace	(20)	(20)	(20)	(20)	(20)	630	(20)	
MW-3	Upper	10-Dec-92	4:35 PM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	na	(0.5)	na	(0.5)	(0.5)	(0.5)	3.2	(0.5)	(0.5)	(0.5)	(0.5)	550	(0.5)	
MW-3	Upper	20-Apr-93	2:17 PM	(0.5)	(1)	(1)	(1)	(1)	(0.5)	na	0.7	(1.0)	1.4	(0.5)	na	(0.5)	na	(0.5)	(0.5)	(0.5)	2.7	(0.5)	(0.5)	(0.5)	(0.5)	570	(0.5)	
MW-3	Upper	28-Jun-93	12:21 PM	(0.5)	(1)	(0.5)	(0.5)	(1)	(0.5)	na	(0.5)	(0.5)	1.0	(0.5)	na	(0.5)	na	(0.5)	(0.5)	(0.5)	2.3	(0.5)	(0.5)	(0.5)	(0.5)	370	(0.5)	
MW-3	Upper	1-Oct-93	12:46 PM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	0.6	(0.5)	(0.5)	(0.5)	na	(0.5)	na	(0.5)	(0.5)	(0.5)	2.5	(0.5)	(0.5)	(0.5)	(0.5)	350	(0.5)	
MW-3	Upper	29-Dec-93	2:56 PM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	na	(0.5)	na	(0.5)	(0.5)	(0.5)	1.8	(0.5)	(0.5)	(0.5)	(0.5)	180	(0.5)	
MW-3	Upper	12-Apr-94	9:45 AM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	na	(0.5)	na	(0.5)	(0.5)	(0.5)	1.4	(0.5)	(0.5)	(0.5)	(0.5)	160	(0.5)	
MW-3	Upper	13-Jul-94	2:50 PM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	(0.5)	(1.0)	(0.5)	(0.5)	na	(0.5)	na	(0.5)	(0.5)	(0.5)	1.3	(0.5)	(0.5)	(0.5)	(0.5)	170	(0.5)	
MW-3	Upper	21-Sep-94	9:01 AM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	(0.5)	(1.0)	(0.5)	(0.5)	na	(0.5)	na	(0.5)	(0.5)	(0.5)	1.4	(0.5)	(0.5)	(0.5)	(0.5)	100	(0.5)	
MW-3	Upper	27-Jan-95	11:44 AM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	na	(0.5)	na	(0.5)	(0.5)	(0.5)	1.3	(0.5)	(0.5)	(0.5)	(0.5)	100	(0.5)	
MW-3	Lower	28-Jun-95	5:04 PM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	(0.5)	(1.0)	(0.5)	(0.5)	na	(0.5)	na	(0.5)	(0.5)	(0.5)	0.7	(0.5)	(0.5)	(0.5)	(0.5)	11.0	(0.5)	
MW-3	Upper	28-Jun-95	6:44 PM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	(0.5)	(1.0)	(0.5)	(0.5)	na	(0.5)	na	(0.5)	(0.5)	(0.5)	1.1	(0.5)	(0.5)	(0.5)	(0.5)	9.7	(0.5)	
MW-3	Upper	31-Jan-96	11:44 AM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	(0.5)	(1.0)	(0.5)	(0.5)	na	(0.5)	na	(0.5)	(0.5)	(0.5)	1.2	(0.5)	(0.5)	(0.5)	(0.5)	19.0	(0.5)	
MW-3	Upper	22-Jan-97	4:10 PM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	(0.5)	(1.0)	(0.5)	(0.5)	na	(0.5)	na	(0.5)	(0.5)	(0.5)	3.3	(0.5)	(0.5)	(0.5)	(0.5)	480	(0.5)	
MW-3	Upper	31-Jul-97	2:45 PM	(0.5)																								

TABLE B.1
Groundwater Analytical Results

Well	Screen	Date Sampled	Time Sampled	Freon-12 Chloro methane	Vinyl Chloride	Bromo methane	Chloro ethane	Freon-11	Freon-113	1,1-DCE	Methylene Chloride	trans-1,2- DCE	MTBE	1,1-DCA	2-Branched (MEK)	2,2-Dichloro propane	Bromodichloro methane	Chloroform	1,1,1-TCA	Carbon Tetra chloride	1,1-Dichloro propane	Benzene	1,2-DCA	TCE	1,2-Dichloro propane
MW-3	Upper	2/7/00	12:08 PM	(1)	(0.5)	(0.5)	(1)	(0.5)	(10)	(0.5)	(0.5)	(0.5)	(1)	(0.5)	(5)	(0.5)	5.8	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	51.0	(0.5)
MW-3	Both	1-Dec-00	10:30 AM	(1)	(0.5)	(0.5)	(0.5)	(5)	(10)	(0.5)	(0.5)	2.3	(1)	(0.5)	(5)	(0.5)	15.0	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	310	(0.5)
MW-4	Upper	14-Aug-92	4:20 PM	(0.5)	(1)	(1)	(1)	(0.5)	na	(0.5)	(0.5)	(0.5)	na	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	1.0	(0.5)
MW-4	Upper	14-Aug-92	4:20 PM	(0.5)	(1)	(1)	(1)	(0.5)	na	(0.5)	(0.5)	(0.5)	na	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	1.0	(0.5)
MW-4	Upper	8-Dec-92	7:25 PM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	(0.5)	(0.5)	(0.5)	na	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)
MW-4	Upper	18-Mar-93	5:24 PM	(0.5)	(1.0)	(0.5)	(1)	(0.5)	na	(0.5)	(0.5)	(0.5)	na	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	0.6	(0.5)
MW-4	Upper	28-Jun-93	9:40 AM	(0.5)	(1.0)	(0.5)	(1)	(0.5)	na	(0.5)	(0.5)	(0.5)	na	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	0.6	(0.5)
MW-4	Upper	30-Sep-93	9:35 AM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	(0.5)	(0.5)	(0.5)	na	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)
MW-4	Upper	29-Dec-93	8:23 AM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	(0.5)	(0.5)	(0.5)	na	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)
MW-4	Upper	30-Mar-94	5:30 PM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	(0.5)	(0.5)	(0.5)	na	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	1.0	(0.5)
MW-4	Upper	11-Jul-94	2:45 PM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	(0.5)	(0.5)	(0.5)	na	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	1.5	(0.5)
MW-4	Upper	20-Sep-94	8:15 AM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	(0.5)	(0.5)	(0.5)	na	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	0.9	(0.5)
MW-4	Upper	25-Jan-95	2:50 PM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	(0.5)	(0.5)	(0.5)	na	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	4.8	(0.5)
MW-4	Lower	22-Jun-95	2:00 PM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	(0.5)	(0.5)	(0.5)	na	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)
MW-4	Upper	22-Jun-95	4:35 PM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	(0.5)	(0.5)	(0.5)	na	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)
MW-4	Upper	30-Jan-96	12:03 PM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	(0.5)	(0.5)	(0.5)	na	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)
MW-4	Upper	21-Jan-97	4:28 PM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	(0.5)	(0.5)	(0.5)	na	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)
MW-4	Upper	28-Jul-97	11:15 AM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	(0.5)	(0.5)	(0.5)	na	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	5.7	(0.5)
MW-4	Upper	15-Jan-98	10:05 AM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(1.0)	(0.5)	(0.5)	(0.5)	na	(0.5)	na	(0.5)	12.0	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	5.8	(0.5)
MW-4	Upper	26-Jan-98	10:08 AM	(1)	(0.5)	(0.5)	(0.5)	(5)	(10)	(0.5)	(0.5)	(0.5)	(1)	(0.5)	(5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	10.0	(0.5)
MW-4	Upper	1/27/00	1:55 PM	(1)	(0.5)	(0.5)	(0.5)	(5)	(10)	(0.5)	(0.5)	(0.5)	(1)	(0.5)	(5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	25.0	(0.5)
MW-4	Both	28-Nov-00	2:45 PM	(1)	(0.5)	(0.5)	(0.5)	(5)	(10)	(0.5)	(0.5)	(0.5)	(1)	(0.5)	(5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	14.0	(0.5)
MW-5	Upper	15-Aug-92	12:28 PM	(2)	(5)	(5)	(5)	(2)	na	(2)	(2)	(2)	na	(2)	na	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	30.0	(2)
MW-5	Upper	15-Aug-92	12:28 PM	(2)	(5)	(5)	(5)	(2)	na	(2)	(2)	(2)	na	(2)	na	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	30.0	(2)
MW-5	Upper	8-Dec-92	4:01 PM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	(0.5)	(0.5)	(0.5)	na	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	1.7	(0.5)
MW-5	Upper	17-Mar-93	10:09 AM	(0.5)	(1)	(0.5)	(1.0)	(0.5)	na	(0.5)	(0.5)	(0.5)	na	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	1.2	(0.5)
MW-5	Upper	28-Jun-93	12:15 PM	(0.5)	(1)	(0.5)	(1.0)	(0.5)	na	(0.5)	(0.5)	(0.5)	na	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	0.9	(0.5)
MW-5	Upper	30-Sep-93	12:24 PM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	(0.5)	(0.5)	(0.5)	na	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)
MW-5	Upper	28-Dec-93	1:00 PM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	(0.5)	(0.5)	(0.5)	na	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)
MW-5	Upper	31-Mar-94	9:45 AM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	(0.5)	(0.5)	(0.5)	na	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)
MW-5	Upper	11-Jul-94	6:00 PM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	(0.5)	(0.5)	(0.5)	na	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)
MW-5	Upper	19-Sep-94	5:05 PM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	(0.5)	(0.5)	(0.5)	na	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)
MW-5	Upper	25-Jan-95	6:06 PM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	(0.5)	(0.5)	(0.5)	na	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)
MW-5	Lower	22-Jun-95	7:00 PM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	(0.5)	(0.5)	(0.5)	na	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)
MW-5	Upper	22-Jun-95	8:38 PM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	(0.5)	(0.5)	(0.5)	na	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)
MW-5	Upper	30-Jan-96	1:08 PM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	(0.5)	(0.5)	(0.5)	na	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)
MW-5	Upper	22-Jan-97	2:29 PM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	(0.5)	(0.5)	(0.5)	na	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)
MW-5	Upper	31-Jul-97	8:45 AM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	(0.5)	(0.5)	(0.5)	na	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	3.1	(0.5)
MW-5	Upper	15-Jan-98	1:30 PM	(0.5)	(0.5)	(0.5)	(0.5)	(1)	(1)	(0.5)	(0.5)	(0.5)	(1)	(0.5)	na	(0.5)	36.0	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	12.0	(0.5)
MW-5	Upper	12-Feb-98	11:45 AM	(1)	(0.5)	(0.5)	(0.5)	(5)	(10)	(0.5)	(0.5)	(0.5)	(1)	(0.5)	(5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)
MW-5	Upper	1/28/00	10:37 AM	(1)	(0.5)	(0.5)	(0.5)	(5)	(10)	(0.5)	(0.5)	(0.5)	(1)	(0.5)	(5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	1.8	(0.5)
MW-5	Both	28-Nov-00	4:16 PM	(1)	(0.5)	(0.5)	(0.5)	(5)	(10)	(0.5)	(0.5)	(0.5)	(1)	(0.5)	(5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	4.8	(0.5)
MW-6	Upper	15-Aug-92	3:00 PM	(1)	(2)	(2)	(2)	(1)	na	(1)	(1)	(1)	na	(1)	na	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	56.0	(1)
MW-6	Upper	15-Aug-92	3:00 PM	(1)	(2)	(2)	(2)	(1)	na	(1)	(1)	(1)	na	(1)	na	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	56.0	(1)
MW-6	Upper	9-Dec-92	8:57 PM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	(0.5)	(0.5)	(0.5)	na	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	41.0	(0.5)
MW-6	Upper	17-Mar-93	1:02 PM	(0.5)	(1)	(0.5)	(1)	(0.5)	na	(0.5)	(0.5)	(0.5)	na	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	28.0	(0.5)
MW-6	Upper	28-Jun-93	2:15 PM	(0.5)	(1)	(0.5)	(1)	(0.5)	na	(0.5)	(0.5)	(0.5)	na	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	48.0	(0.5)
MW-6	Upper	30-Sep-93	2:54 PM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	(0.5)	(0.5)	(0.5)	na	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	26.0	(0.5)
MW-6	Upper	28-Dec-93	6:52 PM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	(0.5)	(0.5)	(0.5)	na	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	21.0	(0.5)
MW-6	Upper	31-Mar-94	6:55 PM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	(0.5)	(0.5)	(0.5)	na	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	4.8	(0.5)
MW-6	Upper	12-Jul-94	11:04 AM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	(0.5)	(0.5)	(0.5)	na	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)
MW-6	Upper	19-Sep-94	2:58 PM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	(0.5)	(0.5)	(0.5)	na	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)
MW-6	Upper	26-Jan-95	9:48 AM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	(0.5)	(0.5)	(0.5)	na	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)
MW-6	Lower	23-Jun-95	10:30 AM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	(0.5)	(0.5)	(0.5)	na	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	7.5	(0.5)
MW-6	Upper	23-Jun-95	1:15 PM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	(0.5)	(0.5)	(0.5)	na	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	8.8	(0.5)
MW-6	Upper	30-Jan-96	3:29 PM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	(0.5)	(0.5)	(0.5)	na	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	32.0	(0.5)

TABLE B.1

Groundwater Analytical Results

Well	Screen	Date Sampled	Time Sampled	Freon-12	Chloro methane	Vinyl Chloride	Bromo methane	Chloro ethane	Freon-11	Freon-113	1,1-DCE	Methylene Chloride	trans-1,2-DCE	MTBE	1,1-DCA	2-Butanone (MEQ)	2,2-Dichloro propane	Chloroform	1,1,1-TCA	Carbon Tetrachloride	1,1-Dichloro propane	Benzene	1,2-DCA	TCE	1,2-Dichloro propane
MW-6	Upper	23-Jan-87	2:27 PM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	na	7.2	(1)	(0.5)	na	(0.5)	na	(0.5)	(0.5)	4.7	5.5	(0.5)	(0.5)	(0.5)	65.0	(0.5)
MW-7	Upper	9-Dec-92	10:42 AM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	na	0.8	(5)	(0.5)	na	(0.5)	na	(0.5)	(0.5)	2.0	0.6	(0.5)	(0.5)	(0.5)	19.0	(0.5)
MW-7	Upper	18-Mar-93	9:59 AM	(0.5)	(1.0)	(1.0)	(0.5)	(1.0)	na	na	(0.5)	(5)	(0.5)	na	(0.5)	na	(0.5)	(0.5)	1.4	(0.5)	(0.5)	(0.5)	(0.5)	6.1	(0.5)
MW-7	Upper	28-Jun-93	4:20 PM	(0.5)	(1.0)	(0.5)	(0.5)	(1.0)	na	na	0.8	(0.5)	(0.5)	na	(0.5)	na	(0.5)	(0.5)	1.7	0.9	(0.5)	(0.5)	(0.5)	20.0	(0.5)
MW-7	Upper	30-Sep-93	5:18 PM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	na	0.7	(0.5)	(0.5)	na	(0.5)	na	(0.5)	(0.5)	1.5	0.6	(0.5)	(0.5)	(0.5)	9.6	(0.5)
MW-7	Upper	28-Dec-93	3:15 PM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	na	(0.5)	(0.5)	(0.5)	na	(0.5)	na	(0.5)	(0.5)	1.2	(0.5)	(0.5)	(0.5)	(0.5)	5.8	(0.5)
MW-7	Upper	31-Mar-94	12:50 PM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	na	(0.5)	(0.5)	(0.5)	na	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)
MW-7	Upper	12-Jul-94	1:00 PM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	na	(0.5)	(1.0)	(0.5)	na	(0.5)	na	(0.5)	(0.5)	0.9	0.7	(0.5)	(0.5)	(0.5)	2.0	(0.5)
MW-7	Upper	20-Sep-94	10:09 AM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	na	1.5	(1.0)	(0.5)	na	(0.5)	na	(0.5)	(0.5)	0.8	0.8	(0.5)	(0.5)	(0.5)	2.0	(0.5)
MW-7	Upper	26-Jan-95	12:29 PM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	na	0.8	(1.0)	(0.5)	na	(0.5)	na	(0.5)	(0.5)	0.6	(0.5)	(0.5)	(0.5)	(0.5)	1.1	(0.5)
MW-7	Lower	26-Jun-95	1:07 PM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	na	(0.5)	(1.0)	(0.5)	na	(0.5)	na	(0.5)	(0.5)	0.6	(0.5)	(0.5)	(0.5)	(0.5)	0.8	(0.5)
MW-7	Upper	26-Jun-95	3:51 PM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	na	(0.5)	(1.0)	(0.5)	na	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	0.8	(0.5)
MW-7	Upper	30-Jan-96	5:25 PM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	na	(0.5)	(1.0)	(0.5)	na	(0.5)	na	(0.5)	(0.5)	0.7	(0.5)	(0.5)	(0.5)	(0.5)	1.8	(0.5)
MW-7	Upper	23-Jan-97	8:37 AM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	na	2.2	(1.0)	(0.5)	na	(0.5)	na	(0.5)	(0.5)	1.8	0.7	(0.5)	(0.5)	(0.5)	48.0	(0.5)
MW-7	Upper	29-Jul-97	2:45 PM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	na	2.4	(1.0)	(0.5)	(0.5)	(0.5)	na	(0.5)	(0.5)	2.8	0.6	(0.5)	(0.5)	(0.5)	28.0	(0.5)
MW-7	Upper	16-Jan-98	9:30 AM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(1.0)	(1.0)	5.3	(1.0)	(0.5)	(1)	(0.5)	na	(0.5)	(0.5)	2.2	0.6	(0.5)	(0.5)	(0.5)	41.0	(0.5)
MW-7	Upper	26-Jan-99	12:25 PM	(1)	(0.5)	(0.5)	(0.5)	(0.5)	(5)	(10)	(0.5)	(0.5)	(0.5)	(1)	(0.5)	(5)	(0.5)	(0.5)	0.9	(0.5)	(0.5)	(0.5)	(0.5)	2.1	(0.5)
MW-7	Upper	1/27/00	4:24 PM	(1)	(0.5)	(0.5)	(0.5)	(0.5)	(5)	(10)	1.0	(0.5)	(0.5)	(1)	(0.5)	(5)	(0.5)	(0.5)	0.9	(0.5)	(0.5)	(0.5)	(0.5)	8.6	(0.5)
MW-7	Both	29-Nov-00	9:31 AM	(1)	(0.5)	(0.5)	(0.5)	(0.5)	(5)	(10)	0.86	(0.5)	(0.5)	(1)	(0.5)	(5)	(0.5)	(0.5)	1.1	(0.5)	(0.5)	(0.5)	(0.5)	8.3	(0.5)
MW-8	Upper	9-Dec-92	1:25 PM	(10)	(10)	(10)	(10)	(10)	na	na	0.8	(100)	(10)	na	(10)	na	(0.5)	(10)	8.6	(10)	(10)	(10)	(10)	180	(10)
MW-8	Upper	17-Mar-93	6:35 PM	(0.5)	(1)	(1)	(0.5)	(1)	na	na	(0.5)	(5.0)	(0.5)	na	(0.5)	na	(0.5)	(0.5)	1.2	(0.5)	(0.5)	(0.5)	(0.5)	120	(0.5)
MW-8	Upper	29-Jun-93	6:10 PM	(0.5)	(1)	(0.5)	(0.5)	(1)	na	na	(0.5)	(0.5)	(0.5)	na	(0.5)	na	(0.5)	(0.5)	1.2	(0.5)	(0.5)	(0.5)	(0.5)	300	(0.5)
MW-8	Upper	30-Sep-93	8:51 PM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	na	(0.5)	(0.5)	(0.5)	na	(0.5)	na	(0.5)	(0.5)	1.3	(0.5)	(0.5)	(0.5)	(0.5)	180	(0.5)
MW-8	Upper	29-Dec-93	8:32 AM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	na	(0.5)	(0.5)	(0.5)	na	(0.5)	na	(0.5)	(0.5)	1.0	(0.5)	(0.5)	(0.5)	(0.5)	98.0	(0.5)
MW-8	Upper	31-Mar-94	3:55 PM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	na	(0.5)	(0.5)	(0.5)	na	(0.5)	na	(0.5)	(0.5)	0.9	(0.5)	(0.5)	(0.5)	(0.5)	110	(0.5)
MW-8	Upper	12-Jul-94	4:25 PM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	na	(0.5)	(1.0)	(0.5)	na	(0.5)	na	(0.5)	(0.5)	1.2	(0.5)	(0.5)	(0.5)	(0.5)	130	(0.5)
MW-8	Upper	20-Sep-94	12:01 PM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	na	(0.5)	(1.0)	(0.5)	na	(0.5)	na	(0.5)	(0.5)	1.2	0.8	(0.5)	(0.5)	(0.5)	120	(0.5)
MW-8	Upper	26-Jan-95	3:32 PM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	na	(0.5)	(1.0)	(0.5)	na	(0.5)	na	(0.5)	(0.5)	1.2	(0.5)	(0.5)	(0.5)	(0.5)	130	(0.5)
MW-8	Lower	28-Jun-95	7:25 PM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	na	(0.5)	(1.0)	(0.5)	na	(0.5)	na	(0.5)	(0.5)	1.4	(0.5)	(0.5)	(0.5)	(0.5)	9.9	(0.5)
MW-8	Upper	27-Jun-95	10:22 AM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	na	(0.5)	(1.0)	(0.5)	na	(0.5)	na	(0.5)	(0.5)	1.4	(0.5)	(0.5)	(0.5)	(0.5)	5.6	(0.5)
MW-8	Upper	30-Jan-96	4:30 PM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	na	(0.5)	(1.0)	(0.5)	na	(0.5)	na	(0.5)	(0.5)	2.1	(0.5)	(0.5)	(0.5)	(0.5)	3.2	(0.5)
MW-8	Upper	23-Jan-97	10:46 AM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	na	(0.5)	(1.0)	(0.5)	na	(0.5)	na	(0.5)	(0.5)	1.3	(0.5)	(0.5)	(0.5)	(0.5)	79.0	(0.5)
MW-8	Upper	29-Jul-97	5:15 PM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	na	(0.5)	(1.0)	(0.5)	(0.5)	(0.5)	na	(0.5)	(0.5)	2.6	(0.5)	(0.5)	(0.5)	(0.5)	180	(0.5)
MW-8	Upper	16-Jan-98	10:40 AM	(5)	(5)	(5)	(5)	(5)	(10)	(10)	(5)	(10)	(5)	(1)	(5)	na	(0.5)	(0.5)	(5)	(1)	(5)	(5)	(5)	230	(5)
MW-8	Upper	26-Jan-99	3:40 PM	(1)	(0.5)	(0.5)	(0.5)	(0.5)	(5)	(10)	0.8	(0.5)	(0.5)	(1)	(0.5)	(5)	(0.5)	(0.5)	0.9	(0.5)	(0.5)	(0.5)	(0.5)	5.7	(0.5)
MW-8	Upper	1/27/00	5:24 PM	(1)	(0.5)	(0.5)	(0.5)	(0.5)	(5)	(10)	(0.5)	(0.5)	(0.5)	(1)	(0.5)	(5)	(0.5)	(0.5)	0.8	(0.5)	(0.5)	(0.5)	(0.5)	52.0	(0.5)
MW-8	Both	29-Nov-00	11:35 AM	(1)	(0.5)	(0.5)	(0.5)	(0.5)	(5)	(10)	(0.5)	(0.5)	(0.5)	(1)	(0.5)	(5)	(0.5)	(0.5)	1.0	(0.5)	(0.5)	(0.5)	(0.5)	61.0	(0.5)
MW-9	Upper	10-Dec-92	10:19 AM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	na	(0.5)	(5.0)	(0.5)	na	(0.5)	na	(0.5)	(0.5)	2.6	(0.5)	(0.5)	(0.5)	(0.5)	400	(0.5)
MW-9	Upper	16-Mar-93	1:14 PM	(0.5)	(1.0)	(1.0)	(0.5)	(1.0)	na	na	(0.5)	(5.0)	(0.5)	na	(0.5)	na	(0.5)	(0.5)	3.2	(0.5)	(0.5)	(0.5)	(0.5)	420	(0.5)
MW-9	Upper	29-Jun-93	10:40 AM	(0.5)	(1.0)	(0.5)	(0.5)	(1.0)	na	na	(0.5)	(0.5)	(0.5)	na	(0.5)	na	(0.5)	(0.5)	1.1	(0.5)	(0.5)	(0.5)	(0.5)	770	(0.5)
MW-9	Upper	1-Oct-93	10:57 AM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	na	(0.5)	(0.5)	(0.5)	na	(0.5)	na	(0.5)	(0.5)	1.9	(0.5)	(0.5)	(0.5)	(0.5)	1,200	(0.5)
MW-9	Upper	30-Dec-93	4:06 PM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	na	(0.5)	(0.5)	(0.5)	na	(0.5)	na	(0.5)	(0.5)	0.8	(0.5)	(0.5)	(0.5)	(0.5)	380	(0.5)
MW-9	Upper	13-Apr-94	3:58 PM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	na	(0.5)	(0.5)	(0.5)	na	(0.5)	na	(0.5)	(0.5)	2.8	(0.5)	(0.5)	(0.5)	(0.5)	200	(0.5)
MW-9	Upper	13-Jul-94	8:00 AM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	na	0.6	0.6	(0.5)	na	(0.5)	na	(0.5)	(0.5)	3.1	0.6	(0.5)	(0.5)	0.5	370	(0.5)
MW-9	Upper	21-Sep-94	10:52 AM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	na	(0.5)	(0.5)	(0.5)	na	(0.5)	na	(0.5)	(0.5)	2.3	(0.5)	(0.5)	(0.5)	(0.5)	220	(0.5)
MW-9	Upper	27-Jan-95	4:22 PM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	na	(0.5)	(1)	(0.5)	na	(0.5)	na	(0.5)	(0.5)	1.4	(0.5)	(0.5)	(0.5)	(0.5)	67.0	(0.5)
MW-9	Lower	23-Jun-95	5:01 PM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	na	(0.5)	(1)	(0.5)	na	(0.5)	na	(0.5)	(0.5)	2.2	(0.5)	(0.5)	(0.5)	(0.5)	130	(0.5)
MW-9	Upper	23-Jun-95	8:02 PM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	na	(0.5)	(1)	(0.5)	na	(0.5)	na	(0.5)	(0.5)	2.6	(0.5)	(0.5)	(0.5)	(0.5)	220	(0.5)
MW-9	Upper	31-Jan-96	2:14 PM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	na	(0.5)	(1)	(0.5)	na	(0.5)	na	(0.5)	(0.5)	2.7	(0.5)	(0.5)	(0.5)	(0.5)	38.0	(0.5)
MW-9	Upper	22-Jan-97	9:45 AM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	na	(0.5)	(1)	(0.5)	na	(0.5)	na	(0.5)	(0.5)	6.8	(0.5)	(0.5)	(0.5)	0.7	2,600	(0.5)
MW-9	Upper	1-Aug-97	8:30 AM	(10)	(10)	(10)	(10)	(10)	na	na	(10)	(10)	(10)	(10)	(10)	na	(0.5)	(0.5)	13.9	(10)	(10)	(10)	(10)	2,100	(10)
MW-9	Upper	19-Jan-98	1:00 PM	(40)	(40)	(40)	(40)	(40)	(80)	(80)	(40)	(80)	(40)	(1)	(40)	na	(0.5)	(0.5)	(40)	(40)	(40)	(40)	(40)	1,700	(40)
MW-9	Upper	29-Jan-99	8:13 AM	(1)	1.0	(0.5)	(0.5)	(0.5)	(5)	(10)	0.9	(0.5)	(0.5)	(1)	(0.5)	(5)	(0.5)	(0.5)	1.1	(0.5)	(0.5)	(0.5)	(0.5)	35	(0.5)
MW-9	Upper	1/28/00	5:44 PM	(1)	(0.5)	(0.5)	(0.5)	(0.5)	(5)	(10)	(0.5)	(0.5)	(0.5)	(1)	(0.5)	(5)	(0.5)	(0.5)	1.1	(0.5)	(0.5)	(0.5)	(0.5)	190	(0.5)
MW-9	Both	30-Nov-00	10:18 AM	(1)	(0.5)	(0.5)	(0.5)	(0.5)	(5)	(10)	(0.5)	(0.5)	(0.5)	(1)	(0.5)	(5)	(0.5)	(0.5)	1.4	(0.5)	(0.5)	(0.5)	(0.5)	97.0	(0.5)

TABLE B.1
Groundwater Analytical Results

Well	Screen	Date Sampled	Time Sampled	Freon-12	Chloro methane	Vinyl Chloride	Bromo methane	Chloro ethane	Freon-11	Freon-113	1,1-DCE	Methylene Chloride	trans-1,2-DCE	MTBE	1,1-DCA	2-Butanone (MEK)	2,2-Dichloro propane	Bromochloro methane	Chloroform	1,1,1-TCA	Carbon Tetra chloride	1,1-Dichloro propane	Benzene	1,2-DCA	TCE	1,2-Dichloro propane
MW-10	Upper	10-Dec-82	1:12 PM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	1.4	(5.0)	(0.5)	na	(0.5)	na	(0.5)	(0.5)	2.7	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	880	(0.5)
MW-10	Upper	17-Mar-93	4:38 PM	(0.5)	(1)	(1)	(0.5)	(1)	(0.5)	na	5.0	(5.0)	(0.5)	na	(0.5)	na	(0.5)	(0.5)	3.0	(0.5)	1.7	(0.5)	(0.5)	(0.5)	520	(0.5)
MW-10	Upper	28-Jun-93	8:20 AM	(0.5)	(1)	(0.5)	(0.5)	(1)	(0.5)	na	39.0	(0.5)	(0.5)	na	(0.5)	na	(0.5)	(0.5)	1.2	(0.5)	12.0	(0.5)	(0.5)	(0.5)	430	(0.5)
MW-10	Upper	1-Oct-93	8:48 AM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	23.0	(0.5)	(0.5)	na	(0.5)	na	(0.5)	(0.5)	1.6	(0.5)	5.3	(0.5)	(0.5)	(0.5)	300	(0.5)
MW-10	Upper	29-Dec-83	8:00 PM	(0.5)	(1)	(0.5)	(0.5)	(1)	(0.5)	na	8.5	(0.5)	(0.5)	na	(0.5)	na	(0.5)	(0.5)	1.2	(0.5)	2.2	(0.5)	(0.5)	(0.5)	170	(0.5)
MW-10	Upper	12-Apr-94	1:05 PM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	(0.5)	(0.5)	(0.5)	na	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	13.0	(0.5)
MW-10	Upper	12-Jul-94	6:45 PM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	(0.5)	(1)	(0.5)	na	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	7.2	(0.5)
MW-10	Upper	20-Sep-94	3:05 PM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	(0.5)	(1)	(0.5)	na	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	3.8	(0.5)
MW-10	Upper	28-Jan-95	6:02 PM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	(0.5)	(0.5)	(0.5)	na	(0.5)	na	(0.5)	(0.5)	0.7	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	2.8	(0.5)
MW-10	Lower	27-Jun-85	3:55 PM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	(0.5)	(1)	(0.5)	na	(0.5)	na	(0.5)	(0.5)	1.3	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)
MW-10	Upper	27-Jun-85	5:28 PM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	(0.5)	(1)	(0.5)	na	(0.5)	na	(0.5)	(0.5)	1.6	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	4.5	(0.5)
MW-10	Upper	31-Jan-96	8:25 AM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	(0.5)	(1)	(0.5)	na	(0.5)	na	(0.5)	(0.5)	1.8	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	1.6	(0.5)
MW-10	Upper	23-Jan-87	12:50 PM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	(0.5)	(1)	(0.5)	na	(0.5)	na	(0.5)	(0.5)	2.4	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	370	(0.5)
MW-10	Upper	30-Jul-87	9:45 AM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	1.5	(1)	(0.5)	(0.5)	(0.5)	na	(0.5)	(0.5)	4.7	(0.5)	(0.5)	(0.5)	1.8	(0.5)	870	(0.5)
MW-10	Upper	18-Jan-98	2:30 PM	(10)	(10)	(10)	(10)	(10)	(20)	(20)	(10)	(20)	(10)	(1)	(10)	na	(10)	(10)	27.0	(10)	0.5	(10)	(10)	(10)	490	(10)
MW-10	Upper	28-Jan-99	8:35 AM	(1)	1.1	(0.5)	(0.5)	(0.5)	(5)	(10)	(0.5)	(0.5)	(0.5)	(1)	(0.5)	(5)	(5)	(0.5)	0.9	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	93	(0.5)
MW-10	Upper	1/27/00	8:41 PM	(1)	(0.5)	(0.5)	(0.5)	(0.5)	(5)	(10)	(0.5)	(0.5)	(0.5)	(1)	(0.5)	(5)	(5)	(0.5)	2.9	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	720	(0.5)
MW-10	Both	29-Nov-00	3:30 PM	(1)	(0.5)	(0.5)	(0.5)	(0.5)	(5.0)	(10)	(0.5)	(0.5)	(0.5)	(1)	(0.5)	(5)	(5)	(0.5)	2.8	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	490	(0.5)

TABLE B.1
Groundwater Analytical Results

Well	Screen	Date Sampled	Time Sampled	Dibromo methane	Bromodichloro methane	cis-1,3-dichloro propene	4-methyl-2-pentanone (MIBK)	2-chloro ethyl vinyl ether	Toluene	trans-1,3-dichloro propane	1,1,2-TCA	PCE	Micrograms per Liter																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
													1,3-Dichloro propane	Dibromo chloro methane	1,2-Dibromo ethane (EDS)	Chloro benzene	Ethyl Benzene	m/p xylenes	o-xylene	Xylenes	Total	Styrene	Bromochloro benzene	Isopropyl benzene	Bromo benzene	1,1,2,2-Tetrachloro ethane	1,2,3-Trichloro propane	n-Propyl benzene																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
MW-1	Upper	14-Aug-92	8:30 PM	(100)	(0.5)	na	na	na	(100)	na	(100)	Trace	(100)	(100)	(0.5)	(0.5)	na	na	na	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)

TABLE B.1
Groundwater Analytical Results

Well	Screen	Date Sampled	Time Sampled	Micrograms per Liter										Total Xylenes	Styrene	Bromiform benzene	Isopropyl benzene	Bromo benzene	1,1,2,2- Tetrachloro ethane	1,2,3- Trichloro propane	n-Propyl benzene
				trans-1,3- dichloro propene	Toluene	2-chloro ethyl vinyl ether	4-methyl-2- pentanone (MIBK)	ds-1,3- dichloro propane	Bromodichloro methane	Dibromo methane	1,3-Dichloro propane	Dibromo chloro methane	1,2-Dibromo ethane (EDB)	Chloro benzene	Ethyl Benzene	m/p xylenes	o xylene				
MW-10	Upper	10-Dec-92	1:12 PM	na	(0.5)	na	na	na	(0.5)	(0.5)	20.0	(0.5)	(0.5)	(0.5)	(0.5)	na	na	(0.5)	(0.5)	(0.5)	(0.5)
MW-10	Upper	17-Mar-93	4:38 PM	na	(0.5)	na	na	na	(0.5)	(0.5)	25.0	(0.5)	(0.5)	(0.5)	(0.5)	na	na	(0.5)	(0.5)	(0.5)	(0.5)
MW-10	Upper	28-Jun-93	8:20 AM	na	(0.5)	na	na	na	(0.5)	(0.5)	100	(0.5)	(0.5)	(0.5)	(0.5)	na	na	(0.5)	(0.5)	(0.5)	(0.5)
MW-10	Upper	1-Oct-93	8:46 AM	na	(0.5)	na	na	na	(0.5)	(0.5)	44.0	(0.5)	(0.5)	(0.5)	(0.5)	na	na	(0.5)	(0.5)	(0.5)	(0.5)
MW-10	Upper	29-Dec-93	8:00 PM	na	(0.5)	na	na	na	(0.5)	(0.5)	31.0	(0.5)	(0.5)	(0.5)	(0.5)	na	na	(0.5)	(0.5)	(0.5)	(0.5)
MW-10	Upper	12-Apr-94	1:05 PM	na	0.6	na	na	na	(0.5)	(0.5)	1.8	(0.5)	(0.5)	(0.5)	(0.5)	na	na	(0.5)	(0.5)	(0.5)	(0.5)
MW-10	Upper	12-Jul-94	6:45 PM	na	(0.5)	na	na	na	(0.5)	(0.5)	2.7	(0.5)	(0.5)	(0.5)	(0.5)	na	na	(0.5)	(0.5)	(0.5)	(0.5)
MW-10	Upper	20-Sep-94	3:05 PM	na	(0.5)	na	na	na	(0.5)	(0.5)	1.2	(0.5)	(0.5)	(0.5)	(0.5)	na	na	(0.5)	(0.5)	(0.5)	(0.5)
MW-10	Upper	26-Jan-95	8:02 PM	na	(0.5)	na	na	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	na	(0.5)	(0.5)	(0.5)	(0.5)
MW-10	Lower	27-Jun-95	3:55 PM	na	(0.5)	(5)	na	na	(0.5)	(0.5)	3.2	(0.5)	(0.5)	(0.5)	(0.5)	na	na	(0.5)	(0.5)	(0.5)	(0.5)
MW-10	Upper	31-Jan-95	8:25 AM	na	(0.5)	(5)	na	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	na	(0.5)	(0.5)	(0.5)	(0.5)
MW-10	Upper	29-Jan-97	12:50 PM	na	(0.5)	(5)	na	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	na	(0.5)	(0.5)	(0.5)	(0.5)
MW-10	Upper	30-Jul-97	9:45 AM	na	(0.5)	(5)	na	na	(0.5)	(0.5)	53.0	(0.5)	(0.5)	(0.5)	(0.5)	na	na	(0.5)	(0.5)	(0.5)	(0.5)
MW-10	Upper	16-Jan-98	2:30 PM	(10)	(10)	(1)	na	(10)	(10)	(10)	33.0	(10)	(10)	(10)	(10)	(20)	(10)	(10)	(20)	(20)	(10)
MW-10	Upper	28-Jan-99	9:35 AM	(5)	(1)	(1)	(5)	(0.5)	(0.5)	(0.5)	3.2	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)
MW-10	Upper	1/27/00	8:41 PM	(5)	(1)	(1)	(5)	(0.5)	(0.5)	(0.5)	3.9	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)
MW-10	Both	28-Nov-00	3:30 PM	(5)	(1)	(1)	(5)	(0.5)	(0.5)	(0.5)	6.4	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)

TABLE B.1
Groundwater Analytical Results

Well	Screen	Date Sampled	Time Sampled	Dibromo methane	Bromodichloro methane	ds-1,3-dichloro propane	4-methyl-2-pentanone (MIBK)	2-chloro ethyl vinyl ether	Toluene	trans-1,3-dichloro propane	1,3-Dichloro propane	Dibromo chloro methane	1,2-Dibromo ethane (EDB)	Chloro benzene	Ethyl Benzene	m/p xylene	o-xylene	Total Xylenes	Styrene	Bromoform	Isopropyl benzene	Bromo benzene	1,1,2,2-tetraethero ethane	1,2,3-Trichloro propane	n-Propyl benzene
Micrograms per Liter																									
MW-6	Upper	23-Jan-97	2:27 PM	(0.5)	(0.5)	na	na	4.7	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	na	(1)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)
MW-7	Upper	9-Dec-92	10:42 AM	(0.5)	(0.5)	na	na	na	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)
MW-7	Upper	18-Mar-93	9:58 AM	(0.5)	(0.5)	na	na	na	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	na	(1)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)
MW-7	Upper	28-Jun-93	4:20 PM	(0.5)	(0.5)	na	na	na	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	na	(1)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)
MW-7	Upper	30-Sep-93	5:18 PM	(0.5)	(0.5)	na	na	na	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	na	(1)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)
MW-7	Upper	28-Dec-93	3:15 PM	(0.5)	(0.5)	na	na	na	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	na	(1)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)
MW-7	Upper	31-Mar-94	12:50 PM	(0.5)	(0.5)	na	na	na	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	na	(1)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)
MW-7	Upper	12-Jul-94	1:00 PM	(0.5)	(0.5)	na	na	na	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	na	(1)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)
MW-7	Upper	20-Sep-94	10:09 AM	(0.5)	(0.5)	na	na	na	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	na	(1)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)
MW-7	Upper	28-Jan-95	12:29 PM	(0.5)	(0.5)	na	na	na	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	na	(1)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)
MW-7	Lower	28-Jun-95	1:07 PM	(0.5)	(0.5)	na	na	(5)	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	na	(1)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)
MW-7	Upper	26-Jun-95	3:51 PM	(0.5)	(0.5)	na	na	(5)	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	na	(1)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)
MW-7	Upper	30-Jan-96	5:25 PM	(0.5)	(0.5)	na	na	(5)	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	na	(1)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)
MW-7	Upper	23-Jan-97	8:37 AM	(0.5)	(0.5)	na	na	(5)	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	na	(1)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)
MW-7	Upper	23-Jul-97	2:45 PM	(0.5)	(0.5)	na	na	(5)	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	na	(1)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)
MW-7	Upper	16-Jan-99	9:30 AM	(1.0)	(0.5)	(0.5)	na	(1)	0.7	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(1)	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(1.0)	(1.0)	(0.5)
MW-7	Upper	28-Jan-99	12:25 PM	(0.5)	(0.5)	(0.5)	(5)	(1)	23.0	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)
MW-7	Upper	1/27/00	4:24 PM	(0.5)	(0.5)	(0.5)	(5)	(1)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)
MW-7	Both	29-Nov-00	9:31 AM	(0.5)	(0.5)	(0.5)	(5)	(1)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)
MW-8	Upper	9-Dec-92	1:25 PM	(10)	(10)	na	na	na	(10)	na	(10)	(10)	(10)	(10)	(10)	na	na	(10)	(10)	(10)	(10)	(10)	(10)	(10)	(10)
MW-8	Upper	17-Mar-93	6:35 PM	(0.5)	(0.5)	na	na	na	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	na	(1.0)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)
MW-8	Upper	29-Jun-93	8:10 PM	(0.5)	(0.5)	na	na	na	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	na	(1.0)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)
MW-8	Upper	30-Sep-93	6:51 PM	(0.5)	(0.5)	na	na	na	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	na	(1.0)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)
MW-8	Upper	29-Dec-93	9:32 AM	(0.5)	(0.5)	na	na	na	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	na	(1.0)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)
MW-8	Upper	31-Mar-94	3:55 PM	(0.5)	(0.5)	na	na	na	0.5	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	na	(1.0)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)
MW-8	Upper	12-Jul-94	4:25 PM	(0.5)	(0.5)	na	na	na	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	na	(1.0)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)
MW-8	Upper	20-Sep-94	12:01 PM	(0.5)	(0.5)	na	na	na	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	na	(1.0)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)
MW-8	Upper	26-Jan-95	3:32 PM	(0.5)	(0.5)	na	na	na	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	na	(1.0)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)
MW-8	Lower	28-Jun-95	7:25 PM	(0.5)	(0.5)	na	na	(5)	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	na	(1.0)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)
MW-8	Upper	27-Jun-95	10:22 AM	(0.5)	(0.5)	na	na	(5)	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	na	(1.0)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)
MW-8	Upper	30-Jan-96	4:30 PM	(0.5)	(0.5)	na	na	(5)	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	na	(1.0)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)
MW-8	Upper	23-Jan-97	10:46 AM	(0.5)	(0.5)	na	na	(5)	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	na	(1.0)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)
MW-8	Upper	29-Jul-97	5:15 PM	(0.5)	(0.5)	na	na	(5)	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	na	(1.0)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)
MW-8	Upper	16-Jan-98	10:40 AM	(10)	(5)	(5)	na	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(10)	(5)	na	(5)	(5)	(5)	(5)	(10)	(10)	(5)
MW-8	Upper	26-Jan-99	3:40 PM	(0.5)	(0.5)	(0.5)	(5)	(1)	5.0	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)
MW-8	Upper	1/27/00	6:24 PM	(0.5)	(0.5)	(0.5)	(5)	(1)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)
MW-8	Both	29-Nov-00	11:35 AM	(0.5)	(0.5)	(0.5)	(5)	(1)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)
MW-9	Upper	10-Dec-92	10:19 AM	(0.5)	(0.5)	na	na	na	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)
MW-9	Upper	18-Mar-93	1:14 PM	(0.5)	(0.5)	na	na	na	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	na	(1)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)
MW-9	Upper	29-Jun-93	10:40 AM	(0.5)	(0.5)	na	na	na	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	na	(1)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)
MW-9	Upper	1-Oct-93	10:57 AM	(0.5)	(0.5)	na	na	na	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	na	(1)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)
MW-9	Upper	30-Dec-93	4:05 PM	(0.5)	(0.5)	na	na	na	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	na	(1)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)
MW-9	Upper	13-Apr-94	3:58 PM	(0.5)	(0.5)	na	na	na	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	na	(1)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)
MW-9	Upper	13-Jul-94	8:00 AM	(0.5)	(0.5)	na	na	na	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	na	(1)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)
MW-9	Upper	21-Sep-94	10:52 AM	(0.5)	(0.5)	na	na	na	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	na	(1)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)
MW-9	Upper	27-Jan-95	4:22 PM	(0.5)	(0.5)	na	na	na	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	na	(1)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)
MW-9	Lower	23-Jun-95	5:01 PM	(0.5)	(0.5)	na	na	(5.0)	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	na	(1)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)
MW-9	Upper	23-Jun-95	8:02 PM	(0.5)	(0.5)	na	na	(5.0)	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	na	(1)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)
MW-9	Upper	31-Jan-96	2:14 PM	(0.5)	(0.5)	na	na	(5.0)	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	na	(1)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)
MW-9	Upper	22-Jan-97	9:45 AM	(0.5)	(0.5)	na	na	(5.0)	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	na	(1)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)
MW-9	Upper	1-Aug-97	9:30 AM	(10)	(10)	na	na	(20)	(10)	na	(10)	(10)	(10)	(10)	(10)	na	na	(20)	(10)	(10)	(10)	(10)	(10)	(10)	(10)
MW-9	Upper	19-Jan-98	1:00 PM	(80)	(40)	na	na	(1)	(40)	(40)	(40)	(40)	(40)	(40)	(40)	(80)	(40)	na	(40)	(40)	(40)	(40)	(40)	(80)	(40)
MW-9	Upper	29-Jan-99	9:13 AM	(0.5)	(0.5)	(0.5)	(5)	(1)	4.7	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)
MW-9	Upper	1/28/00	5:44 PM	(0.5)	(0.5)	(0.5)	(5)	(1)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)
MW-9	Both	30-Nov-00	10:16 AM	(0.5)	(0.5)	(0.5)	(5)	(1)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)

TABLE B.1
Groundwater Analytical Results

[illegible]

TABLE B.1
Groundwater Analytical Results

Well	Screen	Date Sampled	Time Sampled	2-Chlorotoluene	4-Chlorotoluene	1,3,5-Triethylbenzene	test-Butylbenzene	1,2,4-Trimethylbenzene	bis(2-chloroethyl) ether	sec-Butyl benzene	1,3-Dichlorobenzene	4-Isopropyltoluene (p-isopropyltoluene)	1,4-Dichlorobenzene	1,2-Dichlorobenzene	n-Butyl benzene	Chloropropane (OBCP)	1,2-Dibromopropane	Trichlorobenzene	Hexachlorocyclopentadiene	Naphthalene	Total 1,3-dichloropropane	Methyl Ethyl Ether	tert-amyl Ether	Ethyl tert-butyl Ether	1,1,1,2-Tetrachloroethane	Total Trihalomethanes	
MW-6	Upper	23-Jan-97	2:27 PM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(1)	na	na	na	(0.5)	4.7	na
MW-7	Upper	9-Dec-92	10:42 AM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	na	na	(0.5)	2.0	na	
MW-7	Upper	18-Mar-93	8:58 AM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	na	na	(0.5)	1.4	na	
MW-7	Upper	28-Jun-93	4:20 PM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	na	na	(0.5)	1.7	na	
MW-7	Upper	30-Sep-93	5:18 PM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	na	na	(0.5)	1.5	na	
MW-7	Upper	28-Dec-93	3:15 PM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	na	na	(0.5)	1.2	na	
MW-7	Upper	31-Mar-94	12:50 PM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	na	na	(0.5)	(0.5)	na	
MW-7	Upper	12-Jul-94	1:00 PM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	na	na	(0.5)	0.8	na	
MW-7	Upper	20-Sep-94	10:09 AM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	na	na	(0.5)	0.8	na	
MW-7	Upper	26-Jan-95	12:29 PM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	na	na	(0.5)	0.6	na	
MW-7	Lower	26-Jun-95	1:07 PM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(1)	na	na	(0.5)	(2)	na	
MW-7	Upper	26-Jun-95	3:51 PM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(1)	na	na	(0.5)	(2)	na	
MW-7	Upper	30-Jan-96	6:25 PM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(1)	na	na	(0.5)	1.8	na	
MW-7	Upper	23-Jan-97	8:37 AM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(1)	na	na	(0.5)	1.8	na	
MW-7	Upper	29-Jul-97	2:45 PM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(1)	na	na	(0.5)	2.8	na	
MW-7	Upper	16-Jan-98	9:30 AM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(1)	na	na	(0.5)	2.2	na	
MW-7	Upper	26-Jan-98	12:25 PM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(5.0)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	na	(0.5)	0.9	na	
MW-7	Upper	1/27/00	4:24 PM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(5.0)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	(3)	(0.5)	0.9	na	
MW-7	Both	29-Nov-00	9:31 AM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(5.0)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(3)	(3)	(0.5)	1.1	(2.0)	
MW-8	Upper	9-Dec-92	1:25 PM	(10)	(10)	(10)	(10)	(10)	na	(10)	(10)	(10)	(10)	(10)	(10)	(10)	(10)	(10)	(10)	(10)	na	na	na	(10)	8.6	na	
MW-8	Upper	17-Mar-93	6:35 PM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	na	na	(0.5)	1.2	na	
MW-8	Upper	28-Jun-93	6:10 PM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	na	na	(0.5)	1.2	na	
MW-8	Upper	30-Sep-93	6:51 PM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	na	na	(0.5)	1.3	na	
MW-8	Upper	29-Dec-93	8:32 AM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	na	na	(0.5)	1.0	na	
MW-8	Upper	31-Mar-94	3:55 PM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	na	na	(0.5)	0.9	na	
MW-8	Upper	12-Jul-94	4:25 PM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	na	na	(0.5)	1.2	na	
MW-8	Upper	20-Sep-94	12:01 PM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	na	na	(0.5)	1.2	na	
MW-8	Upper	26-Jan-95	3:32 PM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	na	na	(0.5)	1.2	na	
MW-8	Lower	26-Jun-95	7:25 PM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(1)	na	na	(0.5)	(2)	na	
MW-8	Upper	27-Jun-95	10:22 AM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(1)	na	na	(0.5)	(2)	na	
MW-8	Upper	30-Jan-96	4:30 PM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(1)	na	na	(0.5)	2.1	na	
MW-8	Upper	23-Jan-97	10:46 AM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(1)	na	na	(0.5)	1.3	na	
MW-8	Upper	29-Jul-97	5:15 PM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(1)	na	na	(0.5)	2.6	na	
MW-8	Upper	16-Jan-98	10:40 AM	(5)	(5)	(5)	(5)	(5)	na	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(10)	(10)	(5)	(5)	(1)	na	na	(5)	(5)	na	
MW-8	Upper	26-Jan-98	3:40 PM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(5.0)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	na	(0.5)	0.9	na	
MW-8	Upper	1/27/00	6:24 PM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(5.0)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(3)	(3)	(0.5)	0.9	na	
MW-8	Both	29-Nov-00	11:35 AM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(5.0)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(3)	(3)	(0.5)	1.0	(2.0)	
MW-9	Upper	10-Dec-92	10:19 AM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	na	na	(0.5)	2.6	na	
MW-9	Upper	16-Mar-93	1:14 PM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	na	na	(0.5)	3.2	na	
MW-9	Upper	28-Jun-93	10:40 AM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	na	na	(0.5)	3.5	na	
MW-9	Upper	1-Oct-93	10:57 AM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	na	na	(0.5)	4.8	na	
MW-9	Upper	30-Dec-93	4:05 PM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	na	na	(0.5)	2.2	na	
MW-9	Upper	13-Apr-94	3:58 PM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	na	na	(0.5)	2.8	na	
MW-9	Upper	13-Jul-94	8:09 AM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	na	na	(0.5)	3.1	na	
MW-9	Upper	21-Sep-94	10:52 AM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	na	na	(0.5)	2.3	na	
MW-9	Upper	27-Jan-95	4:22 PM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	na	na	(0.5)	1.4	na	
MW-9	Lower	23-Jun-95	5:01 PM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(1)	na	na	(0.5)	(2)	na	
MW-9	Upper	23-Jan-95	8:02 PM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(1)	na	na	(0.5)	(2)	na	
MW-9	Upper	31-Jan-96	2:14 PM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(1)	na	na	(0.5)	2.7	na	
MW-9	Upper	22-Jan-97	9:45 AM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(1)	na	na	(0.5)	5.8	na	
MW-9	Upper	1-Aug-97	9:30 AM	(10)	(10)	(10)	(10)	(10)	na	(10)	(10)	(10)	(10)	(10)	(10)	(10)	(10)	(10)	(10)	(10)	(10)	na	na	(10)	13.0	na	
MW-9	Upper	19-Jan-98	1:00 PM	(40)	(40)	(40)	(40)	(40)	na	(40)	(40)	(40)	(40)	(40)	(40)	(40)	(40)	(40)	(40)	(40)	(10)	na	na	(40)	(40)	na	
MW-9	Upper	29-Jan-99	9:13 AM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	na	(0.5)	1.1	na	
MW-9	Upper	1/28/00	5:44 PM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(3)	(3)	(0.5)	1.1	na	
MW-9	Both	30-Nov-00	10:18 AM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(3)	(3)	(0.5)	1.4	(2.0)	

TABLE B.1
Groundwater Analytical Results

Well	Screen	Date Sampled	Time Sampled	2-		4-		1,3,5-		tert-butylbenzene	1,2,4-		bis(2-chloroethyl) ether	sec-butylbenzene		1,3-dichlorobenzene		4-isopropyltoluene (p-toluene)		1,4-dichlorobenzene		n-butylbenzene	1,2-dibromobenzene (DBCP)	1,2,4-trichlorobenzene		Hexachlorobiphenylene	Naphthalene	1,2,3-trichlorobenzene		Total 1,3-dichloropropane	tert-amyl methyl ether	Ethyl tert-butyl ether	1,1,1,2-tetrachloroethane		Total Trihalo methane	1,4-Dioxane
				Chlorotoluene	Chlorotoluene	Chlorotoluene	Chlorotoluene	benzene	benzene		benzene	benzene		benzene	benzene	benzene	benzene																			
MW-10	Upper	10-Dec-92	1:12 PM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	na	na	na	na	na
MW-10	Upper	17-Mar-93	4:38 PM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	na	na	na	na	na
MW-10	Upper	29-Jun-93	8:20 AM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	na	na	na	na	na
MW-10	Upper	1-Oct-93	8:48 AM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	na	na	na	na	na
MW-10	Upper	29-Dec-93	8:00 PM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	na	na	na	na	na
MW-10	Upper	12-Apr-94	1:05 PM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	na	na	na	na	na
MW-10	Upper	12-Jul-94	8:45 PM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	na	na	na	na	na
MW-10	Upper	20-Sep-94	3:05 PM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	na	na	na	na	na
MW-10	Upper	28-Jan-95	6:02 PM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	na	na	na	na	na
MW-10	Lower	27-Jun-95	3:55 PM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	na	na	na	na	na
MW-10	Upper	27-Jun-96	5:28 PM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	na	na	na	na	na
MW-10	Upper	31-Jan-98	8:25 AM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	na	na	na	na	na
MW-10	Upper	23-Jan-97	12:50 PM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	na	na	na	na	na
MW-10	Upper	30-Jul-97	9:45 AM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	na	na	na	na	na
MW-10	Upper	18-Jan-98	2:30 PM	(10)	(10)	(10)	(10)	(10)	(10)	(10)	(10)	(10)	na	(10)	(10)	(10)	(10)	(10)	(10)	(10)	(10)	(10)	(10)	(10)	(10)	(10)	(10)	(10)	(10)	(10)	na	na	na	na	na	na
MW-10	Upper	28-Jan-99	9:35 AM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	na	na	na	na	na
MW-10	Upper	1/27/00	8:41 PM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	na	na	na	na	na
MW-10	Both	28-Nov-00	3:30 PM	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	na	na	na	na	na	na

APPENDIX G

SOIL GAS ANALYTICAL REPORT - NOVEMBER 13, 2000



INTERPHASE
ENVIRONMENTAL, INC.

6200 Peachtree Street
Los Angeles, CA 90040
323•278•7700 ~ 800•457•3300
FAX 323•278•7707

Environmental Solutions



INTERPHASE ENVIRONMENTAL, INC.

MOBILE LABORATORIES AND DIRECT PUSH DRILLING

Monday, November 13, 2000

Mr. John Ward
Hydro Geo Chem, Inc.
51 Wetmore, Suite 101
Tucson, AZ 85705-1678

Phone: (800) 727-5547
FAX: (520) 293-1550

Dear Mr. Ward:

Enclosed is the analytical report for the samples analyzed by InterPhase Environmental, Inc. for the following project.

Project Name: Zero Facility, Burbank, CA
Project Number: 00273

The report consists of the following sections:

- I. Sample Description;
- II. Laboratory Case Narrative and Chain of Custody Forms;
- III. Analytical Results;
- IV. Laboratory Certification.

If you have any questions regarding the results, please call me at (800) 457-3300.

Sincerely,
InterPhase Environmental

David Q. Feng, Ph.D.
Director of Laboratories



Analytical Report

InterPhase Project Number: 00273

Analysis Performed for: Hydro Geo Chem, Inc.

Project Name: Zero Facility, Burbank, CA

I. SAMPLE DESCRIPTION AND ANALYSIS REQUESTED

<u>Sample I.D.</u>	<u>Date Collected</u>	<u>InterPhase Lab</u>	<u>Analysis Requested</u>
B-2**	10/24/00	Phase 10	LARWQCB WIP*
SVE-4	10/24/00	Phase 10	LARWQCB WIP
SVE-20	10/24/00	Phase 10	LARWQCB WIP
SVE-19	10/24/00	Phase 10	LARWQCB WIP
SVE-5	10/24/00	Phase 10	LARWQCB WIP
SVE-18	10/24/00	Phase 10	LARWQCB WIP
SVE-17	10/24/00	Phase 10	LARWQCB WIP
SVE-16	10/24/00	Phase 10	LARWQCB WIP
SVE-7	10/24/00	Phase 10	LARWQCB WIP
SVE-3	10/24/00	Phase 10	LARWQCB WIP
AA001024	10/24/00	Phase 10	LARWQCB WIP
SVE-6/SHALLOW	10/25/00	Phase 10	LARWQCB WIP
SVE-6/DEEP	10/25/00	Phase 10	LARWQCB WIP
SVE-11	10/25/00	Phase 10	LARWQCB WIP
SVE-9	10/25/00	Phase 10	LARWQCB WIP
SVE-1	10/25/00	Phase 10	LARWQCB WIP
SVE-10	10/25/00	Phase 10	LARWQCB WIP
SVE-14	10/25/00	Phase 10	LARWQCB WIP
SVE-12	10/25/00	Phase 10	LARWQCB WIP
SVE-13	10/25/00	Phase 10	LARWQCB WIP
AA001025	10/25/00	Phase 10	LARWQCB WIP
SVE-11	10/25/00	Phase 10	LARWQCB WIP
SVE-16	10/25/00	Phase 10	LARWQCB WIP
SVE-15	10/25/00	Phase 10	LARWQCB WIP
SVE-8	10/25/00	Phase 10	LARWQCB WIP
B-9**	10/25/00	Phase 10	LARWQCB WIP
SVE-3@85'	10/26/00	Phase 10	LARWQCB WIP
MW-5@17'	10/26/00	Phase 10	LARWQCB WIP
MW-5@75'	10/26/00	Phase 10	LARWQCB WIP
MW-5@50'	10/26/00	Phase 10	LARWQCB WIP



<u>Sample No.</u>	<u>Date Collected</u>	<u>InterPhase Lab</u>	<u>Analysis Requested</u>
B-2@75'	10/26/00	Phase 10	LARWQCB WIP
B-2@50'	10/26/00	Phase 10	LARWQCB WIP
MW-3@75'	10/26/00	Phase 10	LARWQCB WIP
MW-3@50'	10/26/00	Phase 10	LARWQCB WIP
MW-3@25'	10/26/00	Phase 10	LARWQCB WIP
B-12@94'	10/26/00	Phase 10	LARWQCB WIP
B-12@46'	10/26/00	Phase 10	LARWQCB WIP
B-12@68'	10/26/00	Phase 10	LARWQCB WIP
AA001026	10/26/00	Phase 10	LARWQCB WIP
B-12@23'	10/26/00	Phase 10	LARWQCB WIP
MW-1@75'	10/26/00	Phase 10	LARWQCB WIP
MW-1@50'	10/26/00	Phase 10	LARWQCB WIP
MW-1@25'	10/26/00	Phase 10	LARWQCB WIP
B-7@75'	10/26/00	Phase 10	LARWQCB WIP
B-7@50'	10/26/00	Phase 10	LARWQCB WIP
B-7@20'	10/26/00	Phase 10	LARWQCB WIP
AA001027	10/27/00	Phase 10	LARWQCB WIP
B-3@75'	10/27/00	Phase 10	LARWQCB WIP
B-3@50'	10/27/00	Phase 10	LARWQCB WIP
B-3@25'	10/27/00	Phase 10	LARWQCB WIP
B-11@60'	10/27/00	Phase 10	LARWQCB WIP
B-11@40'	10/27/00	Phase 10	LARWQCB WIP
B-11@20'	10/27/00	Phase 10	LARWQCB WIP
B-11@85'	10/27/00	Phase 10	LARWQCB WIP
B-10@60'	10/27/00	Phase 10	LARWQCB WIP
B-10@40'	10/27/00	Phase 10	LARWQCB WIP
B-10@20'	10/27/00	Phase 10	LARWQCB WIP
B-10@85'	10/27/00	Phase 10	LARWQCB WIP
SVE-1@85'	10/27/00	Phase 10	LARWQCB WIP
B-4@17'	10/27/00	Phase 10	LARWQCB WIP
B-4@50'	10/27/00	Phase 10	LARWQCB WIP
B-4@75'	10/27/00	Phase 10	LARWQCB WIP
SVE-7@85'	10/27/00	Phase 10	LARWQCB WIP
SVE-5@63'	10/27/00	Phase 10	LARWQCB WIP
B-9@50'	10/27/00	Phase 10	LARWQCB WIP
B-9@25'	10/27/00	Phase 10	LARWQCB WIP
B-10@40'	10/27/00	Phase 10	LARWQCB WIP
SVE-INFLUENT	10/27/00	Phase 10	LARWQCB WIP

*Los Angeles Regional Water Quality Control Board (LARWQCB) for active soil gas investigations under the Well Investigation Program (WIP), (February 1997).

**Three samples were collected and analyzed for a purge volume test.



II. LABORATORY CASE NARRATIVE AND CHAIN OF CUSTODY FORMS

InterPhase Project Number: 00273

Analysis Performed for: Hydro Geo Chem, Inc.

All samples were collected in gas-tight syringes by Hydro Geo Chem's field representative on Tuesday, October 24, 2000 through Friday, October 27, 2000. The samples were collected from existing vapor monitoring wells and sampling points along the vapor extraction manifold system. Samples were delivered to InterPhase's onsite laboratory and analyzed immediately after their collection. InterPhase's Field Data Sheets were used as chain of Custody Forms.

All the samples in this report met all laboratory quality control procedures. InterPhase followed analytical protocols acceptable to the Los Angeles Regional Water Quality Control Board (LARWQCB) for active soil gas investigation under the Well Investigation Program (WIP), (February 1997).

III. ANALYTICAL RESULTS

Table 1: Analytical Results of Samples presents the measured analyte concentrations of all samples and blanks analyzed during the investigation. Concentrations are reported in micrograms per liter ($\mu\text{g/L}$). Detected target contaminants are reported only if their concentrations are greater than the report limit of 1 $\mu\text{g/L}$. Surrogate recoveries are also reported in *Table 1*. All monitored surrogate recoveries are within the control limits (75% to 125%), except for some matrix interference.

A 4-point calibration was performed on October 24, 2000 at the beginning of this investigation. *Table 11: Initial Calibration Results* presents the results of this calibration. Percent relative standard deviations (%RSD) for all target compounds are within control limits for at least three calibration points.

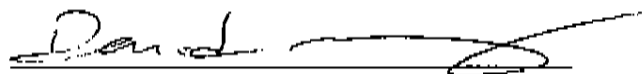
A Laboratory Control Standard (LCS) was used to check and validate the calibration. The middle concentration LCS check was performed immediately after completion of the calibration and at the end of every day, as required by the client. *Table III: LCS Check Results* presents these checks. The percent differences of responses for the calibration and the LCS check are within control limits for all target analytes.



Table IV: Daily Calibration Check Results presents the middle concentration calibration check performed on October 25, 26 & 27 2000. The percent differences of responses for the initial calibration and the daily check are within control limits for the target analytes which are mandated to pass the calibration check by LARWQCB.

IV. LABORATORY CERTIFICATION

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness.



David Q. Feng, Ph.D.
Director of Laboratories



INTERPHASE
ENVIRONMENTAL INC.

Table I. Analytical Result of Samples

Lab ID: Phase 10

Operator: Daniel Alvarez

Report

Sample ID :	SB001024	B-2/A	B-2/B	B-2/C	SVE-4	SVE-20	SVE-19	SVE-5	SVE-18	SVE-17	SVE-16
Date Collected :	10/24/00	10/24/00	10/24/00	10/24/00	10/24/00	10/24/00	10/24/00	10/24/00	10/24/00	10/24/00	10/24/00
Time Collected :	7:20	10:29	10:45	11:01	11:41	11:55	12:25	12:30	13:17	13:22	14:01
Date Analyzed :	10/24/00	10/24/00	10/24/00	10/24/00	10/24/00	10/24/00	10/24/00	10/24/00	10/24/00	10/24/00	10/24/00
Time Analyzed :	7:20	10:31	10:51	11:12	11:45	12:05	12:35	12:55	13:19	13:41	14:05
Volume Analyzed (ml) :	1	1	1	1	1	1	1	1	1	1	1
Compound Name											
Dichlorodifluoromethane	1.42										
Vinyl Chloride	1.83										
Chloroethane	2.40										
Trichlorofluoromethane	2.72										
Dichloromethane	3.85										
trans-1,2-Dichloroethene	4.13										
1,1-Dichloroethane	4.57										
cis-1,2-Dichloroethene	5.23										
Chloroform	5.62										
1,1,1-Trichloroethane	5.78										
Carbon Tetrachloride	5.98										
1,2-Dichloroethane	6.32										
Trichloroethene	7.15										
1,1,2-Trichloroethane	9.98										
Tetrachloroethene	10.15										
1,1,1,2-Tetrachloroethane	12.07										
1,1,2,2-Tetrachloroethane	14.82										
1,1-Dichloroethene	3.28										
Benzene	6.24										
Toluene	9.17										
Ethyl Benzene	12.13										
m,p-Xylene	12.39										
o-Xylene	13.23										
1,1,2-Trichlorotrifluoroethane	4.10										
TVH											
% C13DCPE Recovery (ELCD)	8.66										
% C13DCPE Recovery (PID)	8.64										
% 4CLTOL Recovery (PID)	15.19										
% C13DCPE Recovery (FID)	8.69										
% 4CLTOL Recovery (FID)	15.54										



INTERPHASE
ENVIRONMENTAL, INC.

Table L. Analytical Result of Samples

Lab ID: Phase 10
Operator: Daniel Alvarez

Final Report

Sample ID :	SVE-7	SVE-3	SVE-3/DUP	AA001024	SB001025	SVE-6/SHALLOW	SVE-6/DEEP	SVE-11	SVE-9	SVE-1
Date Collected :	10/24/00	10/24/00	10/24/00	10/24/00	10/25/00	10/25/00	10/25/00	10/25/00	10/25/00	10/25/00
Time Collected :	14:10	14:35	14:35	15:25	7:16	7:55	8:00	8:43	8:46	9:22
Date Analyzed :	10/24/00	10/24/00	10/24/00	10/24/00	10/25/00	10/25/00	10/25/00	10/25/00	10/25/00	10/25/00
Time Analyzed :	14:26	14:47	15:07	15:28	7:17	8:05	8:25	8:48	9:09	9:27
Volume Analyzed (ml) :	1	1	1	1	1	1	1	1	1	1
Compound Name	Detector	RT (min)								
Dichlorodifluoromethane	ELCD	1.42								
Vinyl Chloride	ELCD	1.83								
Chloroethane	ELCD	2.40								
Trichlorofluoromethane	ELCD	2.72								
Dichloromethane	ELCD	3.85								
trans-1,2-Dichloroethene	ELCD	4.13								
1,1-Dichloroethane	ELCD	4.57								
cis-1,2-Dichloroethene	ELCD	5.23								
Chloroform	ELCD	5.62								
1,1,1-Trichloroethane	ELCD	5.78								
Carbon Tetrachloride	ELCD	5.98								
1,2-Dichloroethane	ELCD	6.32								
Trichloroethene	ELCD	7.15								
1,1,2-Trichloroethane	ELCD	9.98								
Tetrachloroethene	ELCD	10.15								
1,1,1,2-Tetrachloroethane	ELCD	12.07								
1,1,2,2-Tetrachloroethane	ELCD	14.82								
1,1-Dichloroethene	PID	3.28								
Benzene	PID	6.24								
Toluene	PID	9.17								
Ethyl Benzene	PID	12.13								
m/p-Xylene	PID	12.39								
o-Xylene	PID	13.23								
1,1,2-Trichlorofluoroethane	FID	4.10								
TVH	FID									
% C13DCPE Recovery (ELCD)		8.66								
% C13DCPE Recovery (PID)		8.64								
% 4CLTOL Recovery (PID)		15.19								
% C13DCPE Recovery (FID)		8.69								
% 4CLTOL Recovery (FID)		15.54								



INTERPHASE
ENVIRONMENTAL, INC.

Table I. Analytical Result of Samples
Lab ID: Phase 19
Operator: Daniel Alvarez

Report

Sample ID :	SVE-10	SVE-14	SVE-12	SVE-13	AA001025	SB001025-2	SVE-11	SVE-11/DUP	SVE-16	SVE-15
Date Collected :	10/25/00	10/25/00	10/25/00	10/25/00	10/25/00	10/25/00	10/25/00	10/25/00	10/25/00	10/25/00
Time Collected :	9:25	10:04	10:25	10:30	11:10	11:34	13:09	13:09	14:09	14:45
Date Analyzed :	10/25/00	10/25/00	10/25/00	10/25/00	10/25/00	10/25/00	10/25/00	10/25/00	10/25/00	10/25/00
Time Analyzed :	9:50	10:10	10:32	10:53	11:13	11:35	13:18	13:18	14:11	14:46
Volume Analyzed (ml) :	1	1	1	1	1	1	1	1	1	1
Compound Name	Detector	RT (min)								
Dichlorodifluoromethane	ELCD	1.42	<1	<1	<1	<1	7.4	7.0	<1	<1
Vinyl Chloride	ELCD	1.83	<1	<1	<1	<1	<1	<1	<1	<1
Chloroethane	ELCD	2.40	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	ELCD	2.72	<1	<1	<1	<1	<1	<1	<1	<1
Dichloromethane	ELCD	3.85	<1	<1	<1	<1	<1	<1	<1	<1
trans-1,2-Dichloroethene	ELCD	4.13	<1	<1	<1	<1	<1	<1	<1	<1
1,1-Dichloroethane	ELCD	4.57	<1	<1	<1	<1	<1	<1	<1	<1
cis-1,2-Dichloroethene	ELCD	5.23	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	ELCD	5.62	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-Trichloroethane	ELCD	5.78	<1	<1	<1	<1	1.5	1.4	<1	<1
Carbon Tetrachloride	ELCD	5.98	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichloroethane	ELCD	6.32	<1	<1	<1	<1	<1	<1	<1	<1
Trichloroethene	ELCD	7.15	<1	<1	<1	<1	22	20	15	2.0
1,1,2-Trichloroethane	ELCD	9.98	<1	<1	<1	<1	<1	<1	<1	<1
Tetrachloroethene	ELCD	10.15	2.8	4.9	1.3	<1	25	21	3.8	1.8
1,1,1,2-Tetrachloroethane	ELCD	12.07	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-Tetrachloroethane	ELCD	14.82	<1	<1	<1	<1	4.6	4.4	<1	<1
1,1-Dichloroethene	PID	3.28	<1	<1	<1	<1	<1	<1	<1	<1
Benzene	PID	6.24	1.3	<1	<1	<1	<1	<1	<1	<1
Toluene	PID	9.17	<1	<1	<1	<1	<1	<1	<1	<1
Ethyl Benzene	PID	12.13	<1	<1	<1	<1	<1	<1	<1	8.8
m/p-Xylene	PID	12.38	<1	<1	<1	<1	<1	<1	<1	8.8
o-Xylene	PID	13.23	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-Trichlorotrifluoroethane	FID	4.10	<1	<1	<1	<1	<1	<1	<1	<1
TVH	FID		161	<100	<100	<100	<100	<100	<100	122
% C13DCPE Recovery (ELCD)		8.66	97	93	93	95	98	97	93	97
% C13DCPE Recovery (PID)		8.64	97	93	93	95	97	94	94	93
% 4CLTOL Recovery (PID)		15.19	104	94	93	98	106	98	95	101
% C13DCPE Recovery (FID)		8.69	105	102	102	103	105	103	102	102
% 4CLTOL Recovery (FID)		15.54	112	107	103	107	116	107	105	105



INTERPHASE
ENVIRONMENTAL, INC.

Table I. Analytical Result of Samples

Lab ID: Phase 10

Operator: Daniel Alvarez

Final Report

Sample ID :	SVE-8	B-9/A	B-9/B	B-9/C	SB001026	SVE-3 @ 85'	MW-5 @ 17	MW-5 @ 75	MW-5 @ 50	B-2 @ 75
Date Collected :	10/25/00	10/25/00	10/25/00	10/25/00	10/26/00	10/26/00	10/26/00	10/26/00	10/26/00	10/26/00
Time Collected :	15:00	15:50	15:55	16:34	7:19	8:20	8:30	9:15	9:22	10:02
Date Analyzed :	10/25/00	10/25/00	10/25/00	10/25/00	10/26/00	10/26/00	10/26/00	10/26/00	10/26/00	10/26/00
Time Analyzed :	15:07	15:58	16:17	16:39	7:19	8:40	9:00	9:26	9:48	10:10
Volume Analyzed (ml) :	1	1	1	1	1	1	1	1	1	1
Compound Name	Defector	RT (min)								
Dichlorodifluoromethane	ELCD	1.42	<1	<1	<1	<1	<1	9.0	<1	<1
Vinyl Chloride	ELCD	1.83	<1	<1	<1	<1	<1	<1	<1	<1
Chloroethane	ELCD	2.40	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	ELCD	2.72	<1	<1	<1	<1	<1	<1	<1	<1
Dichloromethane	ELCD	3.85	<1	<1	<1	<1	<1	<1	<1	<1
trans-1,2-Dichloroethene	ELCD	4.13	<1	<1	<1	<1	<1	<1	<1	<1
1,1-Dichloroethane	ELCD	4.57	<1	<1	<1	<1	<1	<1	<1	<1
cis-1,2-Dichloroethene	ELCD	5.23	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	ELCD	5.62	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-Trichloroethane	ELCD	5.78	<1	<1	<1	<1	<1	<1	<1	<1
Carbon Tetrachloride	ELCD	5.98	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichloroethane	ELCD	6.32	<1	<1	<1	<1	<1	<1	<1	<1
Trichloroethene	ELCD	7.15	8.3	11	12	<1	<1	4.1	<1	<1
1,1,2-Trichloroethane	ELCD	9.98	<1	<1	<1	<1	<1	<1	<1	<1
Tetrachloroethane	ELCD	10.15	6.3	8.7	9.9	<1	4.0	2.8	1.5	<1
1,1,1,2-Tetrachloroethane	ELCD	12.07	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-Tetrachloroethane	ELCD	14.82	<1	<1	<1	<1	<1	<1	<1	<1
1,1-Dichloroethene	PID	3.28	<1	<1	<1	<1	<1	1.5	<1	<1
Benzene	PID	6.24	<1	<1	<1	<1	<1	<1	<1	<1
Toluene	PID	9.17	<1	<1	<1	<1	<1	<1	<1	<1
Ethyl Benzene	PID	12.13	<1	<1	<1	<1	<1	<1	<1	<1
m/p-Xylene	PID	12.39	<1	<1	<1	<1	<1	<1	<1	<1
o-Xylene	PID	13.23	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-Trichlorotrifluoroethane	FID	4.10	<1	<1	<1	<1	<1	<1	<1	<1
TVH	FID		<100	<100	<100	<100	<100	<100	<100	<100
% C13DCPE Recovery (ELCD)		8.66	97	98	102	105	96	86	92	91
% C13DCPE Recovery (PID)		8.64	93	93	96	92	90	87	91	90
% 4CLTOL Recovery (PID)		15.19	93	95	101	102	87	79	91	89
% C13DCPE Recovery (FID)		8.69	101	102	104	101	99	97	101	101
% 4CLTOL Recovery (FID)		15.54	103	104	110	111	99	90	101	101



INTERPHASE
ENVIRONMENTAL, INC.

Table I. Analytical Result of Samples

Lab ID: Phase 10

Operator: Daniel Alvarez

Report

Sample ID:	B-2 @ 50	B-2 @ 50/DUP	MW-3 @ 75	MW-3 @ 50	MW-3 @ 25	B-12 @ 94	B-12 @ 46	B-12 @ 68	AA001026
Date Collected:	10/26/00	10/26/00	10/26/00	10/26/00	10/26/00	10/26/00	10/26/00	10/26/00	10/26/00
Time Collected:	10:10	10:10	11:07	11:15	11:54	12:00	12:35	12:45	13:24
Date Analyzed:	10/26/00	10/26/00	10/26/00	10/26/00	10/26/00	10/26/00	10/26/00	10/26/00	10/26/00
Time Analyzed:	10:29	10:49	11:19	11:40	12:07	12:26	12:47	13:07	13:27
Volume Analyzed (ml):	1	1	1	1	1	1	1	1	1
Compound Name	Detector	RT (min)							
Dichlorodifluoromethane	ELCD	1.42	<1	<1	<1	<1	<1	<1	<1
Vinyl Chloride	ELCD	1.83	<1	<1	<1	<1	<1	<1	<1
Chloroethane	ELCD	2.40	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	ELCD	2.72	<1	<1	<1	<1	<1	<1	<1
Dichloromethane	ELCD	3.85	<1	<1	<1	<1	<1	<1	<1
trans-1,2-Dichloroethene	ELCD	4.13	<1	<1	<1	<1	<1	<1	<1
1,1-Dichloroethane	ELCD	4.57	<1	<1	<1	<1	<1	<1	<1
cis-1,2-Dichloroethene	ELCD	5.23	<1	<1	<1	<1	<1	<1	<1
Chloroform	ELCD	5.62	<1	<1	<1	<1	<1	<1	<1
1,1,1-Trichloroethane	ELCD	5.78	<1	1.4	<1	9.1	<1	<1	<1
Carbon Tetrachloride	ELCD	5.98	<1	<1	<1	<1	<1	<1	<1
1,2-Dichloroethane	ELCD	6.32	<1	<1	<1	<1	<1	<1	<1
Trichloroethene	ELCD	7.15	<1	5.3	<1	29	<1	14	<1
1,1,2-Trichloroethane	ELCD	9.98	<1	<1	<1	<1	<1	<1	<1
Tetrachloroethene	ELCD	10.15	<1	5.8	<1	27	<1	63	<1
1,1,1,2-Tetrachloroethane	ELCD	12.07	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-Tetrachloroethane	ELCD	14.82	<1	<1	<1	<1	<1	<1	<1
1,1-Dichloroethene	PID	3.28	<1	4.7	<1	39	<1	5.4	<1
Benzene	PID	6.24	<1	<1	<1	<1	<1	<1	<1
Toluene	PID	9.17	<1	<1	<1	<1	<1	<1	<1
Ethyl Benzene	PID	12.13	<1	<1	<1	<1	<1	<1	<1
m/p-Xylene	PID	12.39	<1	<1	<1	<1	<1	<1	<1
o-Xylene	PID	13.23	<1	<1	<1	<1	<1	<1	<1
1,1,2-Trichlorotrifluoroethane	FID	4.10	<1	<1	<1	1.1	<1	<1	<1
TVH	FID		<100	<100	<100	<100	<100	<100	<100
% C13DCPE Recovery (ELCD)		8.66	88	87	89	90	93	94	93
% C13DCPE Recovery (PID)		8.64	90	89	89	90	92	93	91
% 4CLTOL Recovery (PID)		15.19	88	88	87	91	95	95	93
% C13DCPE Recovery (FID)		8.69	101	101	101	102	103	103	103
% 4CLTOL Recovery (FID)		15.54	100	100	101	103	107	106	107



INTERPHASE
ENVIRONMENTAL, INC.

Table I. Analytical Result of Samples
Lab ID: Phase 10
Operator: Daniel Alvarez

Final Report

Sample ID :	B-12 @ 23	MW-1 @ 75	MW-1 @ 50	MW-1 @ 25	MW-1 @ 25/DUP	B-7 @ 75	B-7 @ 50	B-7 @ 20	SB001027
Date Collected :	10/26/00	10/26/00	10/26/00	10/26/00	10/26/00	10/26/00	10/26/00	10/26/00	10/27/00
Time Collected :	13:40	14:00	14:06	14:35	14:35	15:20	15:30	16:05	6:56
Date Analyzed :	10/26/00	10/26/00	10/26/00	10/26/00	10/26/00	10/26/00	10/26/00	10/26/00	10/27/00
Time Analyzed :	13:48	14:10	14:30	14:50	15:10	15:33	15:54	16:14	6:57
Volume Analyzed (ml) :	1	1	1	1	1	1	1	1	1
Compound Name	Detector	RT (min)							
Dichlorodifluoromethane	ELCD	1.42	<1	<1	<1	<1	<1	<1	<1
Vinyl Chloride	ELCD	1.83	<1	<1	<1	<1	<1	<1	<1
Chloroethane	ELCD	2.40	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	ELCD	2.72	<1	<1	<1	<1	<1	<1	<1
Dichloromethane	ELCD	3.85	<1	<1	<1	<1	<1	<1	<1
trans-1,2-Dichloroethene	ELCD	4.13	<1	<1	<1	<1	<1	<1	<1
1,1-Dichloroethane	ELCD	4.57	<1	<1	<1	<1	<1	<1	<1
cis-1,2-Dichloroethane	ELCD	5.23	<1	<1	<1	<1	<1	<1	<1
Chloroform	ELCD	5.62	<1	<1	<1	<1	<1	<1	<1
1,1,1-Trichloroethane	ELCD	5.78	<1	<1	<1	<1	<1	<1	<1
Carbon Tetrachloride	ELCD	5.98	<1	<1	<1	<1	<1	<1	<1
1,2-Dichloroethane	ELCD	6.32	<1	<1	<1	<1	<1	<1	<1
Trichloroethene	ELCD	7.15	<1	<1	<1	<1	<1	<1	<1
1,1,2-Trichloroethane	ELCD	9.98	<1	<1	<1	<1	<1	<1	<1
Tetrachloroethene	ELCD	10.15	<1	<1	<1	<1	<1	<1	<1
1,1,1,2-Tetrachloroethane	ELCD	12.07	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-Tetrachloroethane	ELCD	14.82	<1	<1	<1	2.1	<1	<1	<1
1,1-Dichloroethene	PID	3.28	<1	<1	<1	<1	<1	<1	<1
Benzene	PID	6.24	<1	<1	<1	<1	<1	<1	<1
Toluene	PID	9.17	<1	<1	<1	<1	<1	<1	<1
Ethyl Benzene	PID	12.13	<1	<1	<1	<1	<1	<1	<1
m/p-Xylene	PID	12.39	<1	<1	<1	<1	<1	<1	<1
o-Xylene	PID	13.23	<1	<1	<1	<1	<1	<1	<1
1,1,2-Trichlorotrifluoroethane	FID	4.10	<1	<1	<1	<1	<1	<1	<1
TVH	FID		<100	<100	<100	<100	<100	<100	<100
% C13DCPE Recovery (ELCD)		8.66	91	94	85	88	90	97	86
% C13DCPE Recovery (PID)		8.64	90	90	90	90	93	94	86
% 4CLTOL Recovery (PID)		15.19	91	91	91	90	101	106	91
% C13DCPE Recovery (FID)		8.69	102	102	103	102	105	105	101
% 4CLTOL Recovery (FID)		15.54	105	105	105	104	114	118	105



INTERPHASE
ENVIRONMENTAL, INC.

Table I. Analytical Result of Samples

Lab ID: Phase 10

Operator: Daniel Alvarez

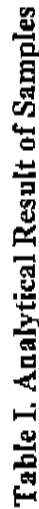
Report

Sample ID :
Date Collected :
Time Collected :
Date Analyzed :
Time Analyzed :
Volume Analyzed (ml) :

AA001027 B-3 @ 75 B-3 @ 50 B-3 @ 25 B-11 @ 60 B-11 @ 40 B-11 @ 20 B-11 @ 85 B-11 @ 85/DUP
10/27/00 10/27/00 10/27/00 10/27/00 10/27/00 10/27/00 10/27/00 10/27/00
7:42 7:59 8:05 8:44 8:55 9:00 9:40 9:46 9:46
10/27/00 10/27/00 10/27/00 10/27/00 10/27/00 10/27/00 10/27/00 10/27/00
7:44 8:07 8:28 8:49 9:08 9:29 9:50 10:11 10:31
1 1 1 1 1 1 1 1 1

Compound Name Detector RT (min)

Dichlorodifluoromethane	ELCD	1.42
Vinyl Chloride	ELCD	1.83
Chloroethane	ELCD	2.40
Trichlorofluoromethane	ELCD	2.72
Dichloromethane	ELCD	3.85
trans-1,2-Dichloroethene	ELCD	4.13
1,1-Dichloroethane	ELCD	4.57
cis-1,2-Dichloroethene	ELCD	5.23
Chloroform	ELCD	5.62
1,1,1-Trichloroethane	ELCD	5.78
Carbon Tetrachloride	ELCD	5.98
1,2-Dichloroethane	ELCD	6.32
Trichloroethene	ELCD	7.15
1,1,2-Trichloroethane	ELCD	9.98
Tetrachloroethene	ELCD	10.15
1,1,1,2-Tetrachloroethane	ELCD	12.07
1,1,2,2-Tetrachloroethane	ELCD	14.82
1,1-Dichloroethene	PID	3.28
Benzene	PID	6.24
Toluene	PID	9.17
Ethyl Benzene	PID	12.13
m,p-Xylene	PID	12.39
o-Xylene	PID	13.23
1,1,2-Trichlorotrifluoroethane	FID	4.10
TVH	FID	
% C13DCPE Recovery (ELCD)		8.66
% C13DCPE Recovery (PID)		8.64
% 4CLTOL Recovery (PID)		15.19
% C13DCPE Recovery (FID)		8.69
% 4CLTOL Recovery (FID)		15.54



Final Report

Tab ID: Phase 10

Operator: Daniel Alvarez

INTERPHASE

EXHIBENT-1

Sample ID:

Date Collected:

Time Collected:

Date Analyzed:

Time Analyzed :
Volume Analyzed (ml) :

Compound Name	Detector	RT (min)
Dichlorodifluoromethane	ELCD	1.42
Vinyl Chloride	ELCD	1.83
Chloroethane	ELCD	2.40
Trichlorofluoromethane	ELCD	2.72
Dichloromethane	ELCD	3.85
trans-1,2-Dichloroethene	ELCD	4.13
1,1,1-Dichloroethane	ELCD	4.57
cis-1,2-Dichloroethane	ELCD	5.23
Chloroform	ELCD	5.62
1,1,1,1-Tetrachloroethane	ELCD	5.78
Carbon Tetrachloride	ELCD	5.98
1,2-Dichloroethane	ELCD	6.32
Trichloroethene	ELCD	7.15
1,1,1,2-Trichloroethane	ELCD	9.98
Tetrachloroethene	ELCD	10.15
1,1,1,1,1,2-Tetrachloroethane	ELCD	12.07
1,1,1,1,2,2-Tetrachloroethane	ELCD	14.82
1,1-Dichloroethene	PID	3.28
Benzene	PID	6.24
Toluene	PID	9.17
Ethyl Benzene	PID	12.13
m,p-Xylene	PID	12.39
o-Xylene	PID	13.23
1,1,1,2-Trichlorofluoroethane	FID	4.10
TVH	FID	
% C13DCPE Recovery (ELCD)		8.66
% C13DCPE Recovery (PID)		8.64
% 4CLTOL Recovery (PID)		15.19
% C13DCPE Recovery (FID)		8.69
% 4CLTOL Recovery (FID)		15.54

10273

Client: **vidraGeoChem**

12

Bank, CA



INTERPHASE
ENVIRONMENTAL, INC.

Table I. Analytical Result of Samples

Lab ID: Phase 10
Operator: Daniel Alvarez

Report

Sample ID :	SVE-5 @ 63	SVE-5 @ 63DUP	B-9 @ 50	B-9 @ 25	B-10 @ 40	SVE- INFLUENT
Date Collected :	10/27/00	10/27/00	10/27/00	10/27/00	10/27/00	10/27/00
Time Collected :	14:05	14:05	14:56	15:02	15:35	15:42
Date Analyzed :	10/27/00	10/27/00	10/27/00	10/27/00	10/27/00	10/27/00
Time Analyzed :	14:23	14:23	15:06	15:27	15:48	16:09
Volume Analyzed (ml) :	1	1	1	1	1	1
Compound Name	Detector	RT (min)				
Dichlorodifluoromethane	ELCD	1.42	<1	<1	<1	<1
Vinyl Chloride	ELCD	1.83	<1	<1	<1	<1
Chloroethane	ELCD	2.40	<1	<1	<1	<1
Trichlorofluoromethane	ELCD	2.72	<1	<1	<1	<1
Dichloromethane	ELCD	3.85	<1	<1	<1	<1
trans-1,2-Dichloroethene	ELCD	4.13	<1	<1	<1	<1
1,1-Dichloroethane	ELCD	4.57	<1	<1	<1	<1
cis-1,2-Dichloroethene	ELCD	5.23	<1	<1	<1	<1
Chloroform	ELCD	5.62	<1	<1	<1	<1
1,1,1-Trichloroethane	ELCD	5.78	<1	<1	<1	<1
Carbon Tetrachloride	ELCD	5.98	<1	<1	<1	<1
1,2-Dichloroethane	ELCD	6.32	<1	<1	<1	<1
Trichloroethene	ELCD	7.15	<1	<1	1.0	3.6
1,1,2-Trichloroethane	ELCD	9.98	<1	<1	<1	<1
Tetrachloroethene	ELCD	10.15	<1	<1	17	5.5
1,1,1,2-Tetrachloroethane	ELCD	12.07	<1	<1	<1	<1
1,1,2,2-Tetrachloroethane	ELCD	14.82	<1	<1	<1	<1
1,1-Dichloroethene	PID	3.28	<1	<1	<1	<1
Benzene	PID	6.24	<1	<1	<1	<1
Toluene	PID	9.17	<1	<1	<1	<1
Ethyl Benzene	PID	12.13	<1	<1	<1	<1
m/p-Xylene	PID	12.39	<1	<1	<1	2.0
o-Xylene	PID	13.23	<1	<1	<1	<1
1,1,2-Trichlorotrifluoroethane	FID	4.10	<1	<1	<1	<1
TVH	FID		<100	<100	<100	<100
% C13DCPE Recovery (ELCD)		8.66	99	93	93	99
% C13DCPE Recovery (PID)		8.64	86	88	88	91
% 4CLTOL Recovery (PID)		15.19	88	90	94	102
% C13DCPE Recovery (FID)		8.69	102	103	104	105
% 4CLTOL Recovery (FID)		15.54	106	106	111	117



INTERPHASE
ENVIRONMENTAL, INC.

Date Calibrated: October 24, 2000
Analyst: Daniel Alvarez
Standard: CAL9905
Date Standard Prepared: Sept. 28, 1999
Concentration Level:
Amount of Standard Injected (mL):

Table II. Initial Calibration Results
Lab ID: Phase 10

Final Report

Compound Name	Detector	RT (min)	Std. Conc. (ug/L)	LEVEL 1 0.01			LEVEL 2 0.04			LEVEL 3 0.2		
				Mass(ng)	Area	RF	Mass(ng)	Area	RF	Mass(ng)	Area	RF
Dichlorodifluoromethane	ELCD	1.46	490	4.90	11936	4.11E-04	19.6	50008	3.92E-04	98.0	225457	4.35E-04
Vinyl Chloride	ELCD	1.87	492	4.92	13735	3.58E-04	19.7	60191	3.27E-04	98.4	273234	3.60E-04
Chloroethane	ELCD	2.43	508	5.08	12125	4.19E-04	20.3	51869	3.92E-04	101.6	228220	4.45E-04
Trichlorofluoromethane	ELCD	2.75	505	5.05	22767	2.22E-04	20.2	97647	2.07E-04	101.0	422552	2.39E-04
Dichloromethane	ELCD	3.89	497	4.97	21652	2.30E-04	19.9	82670	2.40E-04	99.4	369485	2.69E-04
trans-1,2-Dichloroethene	ELCD	4.18	508	5.08	19830	2.56E-04	20.3	80010	2.54E-04	101.6	357991	2.84E-04
1,1-Dichloroethane	ELCD	4.63	463	4.63	13746	3.37E-04	18.5	61292	3.02E-04	92.6	278087	3.33E-04
cis-1,2-Dichloroethene	ELCD	5.29	498	4.98	18494	2.69E-04	19.9	77760	2.56E-04	99.6	351729	2.83E-04
Chloroform	ELCD	5.69	495	4.95	23183	2.14E-04	19.8	96197	2.06E-04	99.0	426660	2.32E-04
1,1,1-Trichloroethane	ELCD	5.86	500	5.00	23577	2.12E-04	20.0	94024	2.13E-04	100.0	400831	2.49E-04
Carbon Tetrachloride	ELCD	6.06	493	4.93	30300	1.63E-04	19.7	113398	1.74E-04	98.6	482473	2.04E-04
1,2-Dichloroethane	ELCD	6.39	496	4.96	21145	2.35E-04	19.8	79080	2.51E-04	99.2	352004	2.82E-04
Trichloroethene	ELCD	7.25	489	4.89	28454	1.85E-04	19.6	88001	2.22E-04	97.8	401820	2.43E-04
1,1,2-Trichloroethane	ELCD	10.12	495	4.95	22738	2.18E-04	19.8	83523	2.37E-04	99.0	391329	2.53E-04
Tetrachloroethene	ELCD	10.28	493	4.93	32329	1.52E-04	19.7	108749	1.81E-04	98.6	504676	1.95E-04
1,1,1,2-Tetrachloroethane	ELCD	12.24	497	4.97	27576	1.80E-04	19.9	94580	2.10E-04	99.4	456621	2.18E-04
1,1,2,2-Tetrachloroethane	ELCD	14.98	501	5.01	33121		20.0	91178	2.20E-04	100.2	485264	2.08E-04
1,1-Dichloroethene	PID	3.29	495	4.95	6044	8.19E-04	19.8	27368	7.23E-04	99.0	135281	7.32E-04
Benzene	PID	6.28	508	5.08	13918	3.65E-04	20.3	63224	3.21E-04	101.6	316216	3.21E-04
Toluene	PID	9.26	494	4.94	13006	3.80E-04	19.8	57060	3.46E-04	98.8	293030	3.37E-04
Ethyl Benzene	PID	12.26	495	4.95	19108	2.59E-04	19.8	52660	3.76E-04	99.0	276247	3.58E-04
m,p-Xylene	PID	12.53	981	9.81	38915	2.52E-04	39.2	142763	2.75E-04	196.2	732801	2.68E-04
o-Xylene	PID	13.38	489	4.89	13414	3.65E-04	19.6	53509	3.66E-04	97.8	292940	3.34E-04
1,1,2-Trichlorotrifluoroethane	FID	4.15	495	4.95	1121	4.42E-03	19.8	4404	4.50E-03	99.0	18072	5.48E-03
TVH	FID		12377	123.77	104689	1.18E-03	495.1	340429	1.45E-03	2475.4	1471108	1.68E-03



INTERPHASE
ENVIRONMENTAL INC.

Date Calibrated: October 24, 2000
Analyst: Daniel Alvarez
Standard: CAL9905
Date Standard Prepared: Sept. 28, 1999
Concentration Level:
Amount of Standard Injected (mL):

LEVEL 4
1

Table II. Initial Calibration Results

Lab ID: Phase 10

Compound Name	Detector	RT (min)	Std Conc. (ug/L)	Mass(ng)	Area	RF	Aver. RF	Std. Div.	%RSD	Acpt. Rng.
Dichlorodifluoromethane	ELCD	1.46	490	490	1066721	4.59E-04	4.24E-04	2.93E-05	6.9	<30
Vinyl Chloride	ELCD	1.87	492	492	1244349	3.95E-04	3.60E-04	2.80E-05	7.8	<30
Chloroethane	ELCD	2.43	508	508	1055549	4.81E-04	4.34E-04	3.82E-05	8.8	<30
Trichlorofluoromethane	ELCD	2.75	505	505	1825673	2.77E-04	2.36E-04	3.00E-05	12.7	<30
Dichloromethane	ELCD	3.89	497	497	1614775	3.08E-04	2.62E-04	3.49E-05	13.4	<20
trans-1,2-Dichloroethene	ELCD	4.18	508	508	1524040	3.33E-04	2.82E-04	3.69E-05	13.1	<20
1,1-Dichloroethane	ELCD	4.63	463	463	1314295	3.52E-04	3.31E-04	2.10E-05	6.3	<20
cis-1,2-Dichloroethene	ELCD	5.29	498	498	1576433	3.16E-04	2.81E-04	2.57E-05	9.1	<20
Chloroform	ELCD	5.69	495	495	1832111	2.70E-04	2.30E-04	2.87E-05	12.5	<20
1,1,1-Trichloroethane	ELCD	5.86	500	500	1768530	2.83E-04	2.39E-04	3.38E-05	14.1	<20
Carbon Tetrachloride	ELCD	6.06	493	493	2121035	2.32E-04	1.93E-04	3.14E-05	16.3	<20
1,2-Dichloroethane	ELCD	6.39	496	496	1636868	3.03E-04	2.68E-04	3.07E-05	11.5	<20
Trichloroethene	ELCD	7.25	489	489	1744555		2.17E-04	2.96E-05	13.7	<20
1,1,2-Trichloroethane	ELCD	10.12	495	495	1597511	3.10E-04	2.54E-04	3.97E-05	15.6	<20
Tetrachloroethene	ELCD	10.28	493	493	2055569		1.76E-04	2.19E-05	12.4	<20
1,1,1,2-Tetrachloroethane	ELCD	12.24	497	497	1881824	2.64E-04	2.18E-04	3.47E-05	15.9	<20
1,1,2,2-Tetrachloroethane	ELCD	14.98	501	501	1861883	2.69E-04	2.32E-04	3.30E-05	14.2	<20
1,1-Dichloroethene	PID	3.29	495	495	761750	6.50E-04	7.31E-04	6.93E-05	9.5	<20
Benzene	PID	6.28	508	508	1630950	3.11E-04	3.30E-04	2.39E-05	7.3	<20
Toluene	PID	9.26	494	494	1559325	3.17E-04	3.45E-04	2.63E-05	7.6	<20
Ethyl Benzene	PID	12.26	495	495	1439610	3.44E-04	3.34E-04	5.19E-05	15.5	<20
m/p-Xylene	PID	12.53	981	981	3525855	2.78E-04	2.68E-04	1.16E-05	4.3	<20
o-Xylene	PID	13.38	489	489	1520814	3.22E-04	3.46E-04	2.21E-05	6.4	<20
1,1,2-Trichlorotrifluoroethane	FID	4.15	495	495	94125	5.26E-03	4.91E-03	5.36E-04	10.9	<30
TVH	FID		12377	12377	7327479	1.69E-03	1.50E-03	2.40E-04	15.9	<30



INTERPHASE

ENVIRONMENTAL, INC.

Date Calibrated: October 24, 2000

Calibration Standard: CAL9905

LCS Standard: CAL9906

Date Standard Prepared: September 28, 1999

Analyst: Daniel Alvarez

Date LCS Checked:

Time LCS Checked:

Amount of LCS Injected (mL):

Table III. LCS Check Results

Lab ID: Phase 10

Final Report

24-Oct-00
9:58
0.2

24-Oct-00
15:52
0.2

Compound Name	Detector	RT (min)	Stand Conc. (ug/L)	Area	RF	Cal. Avr. RF	% Dev.	Acpt. Rng.	Area	RF	Cal. Avr. RF	% Dev.	Acpt. Rng.
Dichlorodifluoromethane	ELCD	1.46	489	206045	4.75E-04	4.12E-04	15.3	±25	220493	4.44E-04	4.12E-04	7.7	±25
Vinyl Chloride	ELCD	1.87	491	257019	3.82E-04	3.43E-04	11.3	±25	275047	3.57E-04	3.43E-04	4.0	±25
Chloroethane	ELCD	2.43	507	218069	4.65E-04	4.29E-04	8.3	±25	228176	4.44E-04	4.29E-04	3.5	±25
Trichlorofluoromethane	ELCD	2.75	537	395366	2.72E-04	2.28E-04	19.3	±25	424106	2.53E-04	2.28E-04	11.2	±25
Dichloromethane	ELCD	3.89	497	342666	2.90E-04	2.58E-04	12.4	±15	371121	2.68E-04	2.58E-04	3.8	±15
trans-1,2-Dichloroethene	ELCD	4.18	496	336393	2.95E-04	2.76E-04	6.7	±15	359668	2.76E-04	2.76E-04	-0.2	±15
1,1-Dichloroethane	ELCD	4.63	413	268457	3.08E-04	3.21E-04	-4.1	±15	289710	2.85E-04	3.21E-04	-11.2	±15
cis-1,2-Dichloroethene	ELCD	5.29	502	334727	3.00E-04	2.85E-04	5.2	±15	351321	2.85E-04	2.85E-04	0.2	±15
Chloroform	ELCD	5.69	495	385550	2.57E-04	2.36E-04	8.8	±15	417456	2.37E-04	2.36E-04	0.5	±15
1,1,1-Trichloroethane	ELCD	5.86	491	372585	2.64E-04	2.48E-04	6.1	±15	398182	2.47E-04	2.48E-04	-0.7	±15
Carbon Tetrachloride	ELCD	6.06	492	451634	2.18E-04	2.04E-04	7.0	±15	486369	2.02E-04	2.04E-04	-0.6	±15
1,2-Dichloroethane	ELCD	6.36	489	337609	2.90E-04	2.59E-04	11.9	±15	373764	2.62E-04	2.59E-04	1.1	±15
Trichloroethene	ELCD	7.25	493	367818	2.68E-04	2.49E-04	7.8	±15	391241	2.52E-04	2.49E-04	1.4	±15
1,1,2-Trichloroethane	ELCD	10.12	491	346722	2.83E-04	2.67E-04	6.2	±15	364872	2.69E-04	2.67E-04	0.9	±15
Tetrachloroethene	ELCD	10.28	519	441567	2.35E-04	2.06E-04	14.4	±15	472947	2.19E-04	2.06E-04	6.8	±15
1,1,1,2-Tetrachloroethane	ELCD	12.24	499	404435	2.47E-04	2.31E-04	7.0	±15	430225	2.32E-04	2.31E-04	0.6	±15
1,1,2,2-Tetrachloroethane	ELCD	14.98	494	429228	2.30E-04	2.32E-04	-0.7	±15	457441	2.16E-04	2.32E-04	-6.8	±15
1,1-Dichloroethene	PID	3.29	509	135767	7.50E-04	7.23E-04	3.7	±15	124014	8.21E-04	7.23E-04	13.6	±15
Benzene	PID	6.28	505	313052	3.23E-04	3.19E-04	1.1	±15	289347	3.49E-04	3.19E-04	9.4	±15
Toluene	PID	9.26	494	287287	3.44E-04	3.24E-04	6.1	±15	265549	3.71E-04	3.24E-04	14.3	±15
Ethyl Benzene	PID	12.26	494	275216	3.59E-04	3.59E-04	-0.1	±15	254620	3.88E-04	3.59E-04	8.0	±15
m/p-Xylene	PID	12.53	995	714994	2.78E-04	2.74E-04	1.7	±15	656761	3.03E-04	2.74E-04	10.7	±15
o-Xylene	PID	13.38	496	269702	3.42E-04	3.40E-04	0.6	±15	265820	3.73E-04	3.40E-04	9.7	±15
1,1,2-Trichlorotrifluoroethane	FID	4.15	484	18221	5.31E-03	4.66E-03	9.3	±25	17877	5.41E-03	4.66E-03	11.4	±25

Project #: 90237

Client: HydroGeo Chem



INTERPHASE

ENVIRONMENTAL, INC.

Date Calibrated: October 24, 2000
Calibration Standard: CAL9905
LCS Standard: CAL9906
Date Standard Prepared: September 28, 1999
Analyst: Daniel Alvarez
Date LCS Checked:
Time LCS Checked:
Amount of LCS Injected (mL):

25-Oct-00
17:29
0.2

26-Oct-00
16:38
0.2

Table III. LCS Check Results
Lab ID: Phase 10

Final Report

Compound Name	Detector	RT (min)	Std Conc. (ug/L)	Area	RF	Cal. Avr. RF	% Dev.	Acpt. Rng.	Area	RF	Cal. Avr. RF	% Dev.	Acpt. Rng.
Dichlorodifluoromethane	ELCD	1.46	489	208715	4.69E-04	4.12E-04	13.8	±25	231857	4.22E-04	4.12E-04	2.5	±25
Vinyl Chloride	ELCD	1.87	491	249166	3.94E-04	3.43E-04	14.8	±25	277757	3.54E-04	3.43E-04	3.0	±25
Chloroethane	ELCD	2.43	507	212885	4.76E-04	4.29E-04	10.9	±25	236328	4.29E-04	4.29E-04	-0.1	±25
Trichlorofluoromethane	ELCD	2.75	537	405725	2.65E-04	2.28E-04	16.2	±25	429211	2.50E-04	2.28E-04	9.9	±25
Dichloromethane	ELCD	3.89	497	351631	2.83E-04	2.58E-04	9.5	±15	388078	2.56E-04	2.58E-04	-0.7	±15
trans-1,2-Dichloroethane	ELCD	4.18	496	344868	2.88E-04	2.76E-04	4.1	±15	377495	2.63E-04	2.76E-04	-4.9	±15
1,1-Dichloroethane	ELCD	4.63	413	278355	2.97E-04	3.21E-04	-7.5	±15	298049	2.77E-04	3.21E-04	-13.6	±15
cis-1,2-Dichloroethane	ELCD	5.29	502	340695	2.95E-04	2.85E-04	3.4	±15	373647	2.69E-04	2.85E-04	-5.7	±15
Chloroform	ELCD	5.69	495	399519	2.48E-04	2.36E-04	5.0	±15	428863	2.31E-04	2.36E-04	-2.2	±15
1,1,1-Trichloroethane	ELCD	5.86	491	382248	2.57E-04	2.48E-04	3.5	±15	413241	2.38E-04	2.48E-04	-4.3	±15
Carbon Tetrachloride	ELCD	6.06	492	463610	2.12E-04	2.04E-04	4.3	±15	502909	1.98E-04	2.04E-04	-3.9	±15
1,2-Dichloroethane	ELCD	6.39	489	360392	2.71E-04	2.59E-04	4.9	±15	379298	2.58E-04	2.59E-04	-0.4	±15
Trichloroethene	ELCD	7.25	493	390507	2.52E-04	2.49E-04	1.5	±15	412588	2.39E-04	2.49E-04	-3.9	±15
1,1,2-Trichloroethane	ELCD	10.12	491	353972	2.77E-04	2.67E-04	4.0	±15	373809	2.63E-04	2.67E-04	-1.5	±15
Tetrachloroethane	ELCD	10.28	519	459428	2.26E-04	2.06E-04	9.9	±15	484403	2.14E-04	2.06E-04	4.3	±15
1,1,1,2-Tetrachloroethane	ELCD	12.24	499	413713	2.41E-04	2.31E-04	4.6	±15	440127	2.27E-04	2.31E-04	-1.7	±15
1,1,2,2-Tetrachloroethane	ELCD	14.98	494	432363	2.29E-04	2.32E-04	-1.4	±15	458873	2.15E-04	2.32E-04	-7.1	±15
1,1-Dichloroethene	PID	3.29	509	125462	8.11E-04	7.23E-04	12.3	±15	122762	8.29E-04	7.23E-04	14.7	±15
Benzene	PID	6.28	505	291745	3.46E-04	3.19E-04	8.5	±15	284601	3.55E-04	3.19E-04	11.2	±15
Toluene	PID	9.26	494	265410	3.72E-04	3.24E-04	14.8	±15	265752	3.72E-04	3.24E-04	14.7	±15
Ethyl Benzene	PID	12.26	494	254333	3.88E-04	3.59E-04	8.1	±15	248798	3.97E-04	3.59E-04	10.5	±15
m/p-Xylene	PID	12.53	995	653114	3.05E-04	2.74E-04	11.4	±15	659435	3.02E-04	2.74E-04	10.3	±15
o-Xylene	PID	13.38	496	261769	3.79E-04	3.40E-04	11.4	±15	264225	3.75E-04	3.40E-04	10.3	±15
1,1,2-Trichlorotrifluoroethane	FID	4.15	484	18106	5.35E-03	4.86E-03	10.0	±25	17749	5.45E-03	4.86E-03	12.2	±25



INTERPHASE
ENVIRONMENTAL, INC.

Table III. LCS Check Results
Lab ID: Phase 10

Final Report

Date Calibrated: October 24, 2000
Calibration Standard: CAL9905

LCS Standard: CAL9906

Date Standard Prepared: September 28, 1999

Analyst: Daniel Alvarez

Date LCS Checked:

Time LCS Checked:

Amount of LCS Injected (mL):

27-Oct-00
16:36
0.2

Compound Name	Detector	RT (min)	Strd Conc. (ug/L)	Area	RF	Cal. Avr. RF	% Dev.	Acpt. Rng.
Dichlorodifluoromethane	ELCD	1.46	489	220758	4.43E-04	4.12E-04	7.6	±25
Vinyl Chloride	ELCD	1.87	491	264359	3.71E-04	3.43E-04	8.2	±25
Chloroethane	ELCD	2.43	507	228428	4.44E-04	4.29E-04	3.4	±25
Trichlorofluoromethane	ELCD	2.75	537	416263	2.58E-04	2.28E-04	13.3	±25
Dichloromethane	ELCD	3.89	497	361720	2.75E-04	2.58E-04	6.5	±15
trans-1,2-Dichloroethene	ELCD	4.18	496	341922	2.90E-04	2.76E-04	5.0	±15
1,1-Dichloroethane	ELCD	4.63	413	267464	3.09E-04	3.21E-04	-3.8	±15
cis-1,2-Dichloroethene	ELCD	5.29	502	346940	2.89E-04	2.85E-04	1.5	±15
Chloroform	ELCD	5.69	495	409237	2.42E-04	2.36E-04	2.5	±15
1,1,1-Trichloroethane	ELCD	5.86	491	392245	2.50E-04	2.48E-04	0.8	±15
Carbon Tetrachloride	ELCD	6.06	492	468725	2.10E-04	2.04E-04	3.1	±15
1,2-Dichloroethane	ELCD	6.39	489	340895	2.87E-04	2.59E-04	10.9	±15
Trichloroethene	ELCD	7.25	493	394257	2.50E-04	2.49E-04	0.6	±15
1,1,2-Trichloroethane	ELCD	10.12	491	386533	2.54E-04	2.67E-04	-4.7	±15
Tetrachloroethene	ELCD	10.28	519	496852	2.09E-04	2.06E-04	1.7	±15
1,1,1,2-Tetrachloroethane	ELCD	12.24	499	454903	2.19E-04	2.31E-04	-4.9	±15
1,1,1,2,2-Tetrachloroethane	ELCD	14.98	494	482675	2.05E-04	2.32E-04	-11.7	±15
1,1-Dichloroethene	PID	3.29	509	123356	8.25E-04	7.23E-04	14.2	±15
Benzene	PID	6.28	505	284136	3.55E-04	3.19E-04	11.4	±15
Toluene	PID	9.26	494	267459	3.69E-04	3.24E-04	13.9	±15
Ethyl Benzene	PID	12.26	494	251164	3.93E-04	3.59E-04	9.4	±15
m/p-Xylene	PID	12.53	995	666069	2.89E-04	2.74E-04	9.2	±15
o-Xylene	PID	13.38	496	266286	3.73E-04	3.40E-04	9.5	±15
1,1,2-Trichlorotrifluoroethane	FID	4.15	494	18278	5.30E-03	4.86E-03	9.0	±25



INTERPHASE
ENVIRONMENTAL, INC.

Analyst: Daniel Alvarez

Standard: CAL9905

Date Standard Prepared: Sept. 28, 1999

Date Calibration Checked:

Time Calibration Checked:

Amount of Standard Injected (mL)

25-Oct-00
7:38
0.2

26-Oct-00
7:42
0.2

Table IV. Daily Calibration Check Results

Lab ID: Phase 10

F. Report

Compound Name	Detector	RT (min)	Std Conc. (ug/L)	Calcd. RF	Area	RF	% Dev.	Acpt Rng.	Area	RF	% Dev.	Acpt Rng.
trans-1,2-Dichloroethene	ELCD	4.22	508	2.76E-04	357969	2.84E-04	2.7	±15	346379	2.93E-04	6.1	±15
1,1-Dichloroethane	ELCD	4.68	463	3.21E-04	278914	3.32E-04	3.5	±15	275830	3.36E-04	4.6	±15
cis-1,2-Dichloroethene	ELCD	5.34	498	2.85E-04	346974	2.87E-04	0.7	±15	346995	2.87E-04	0.7	±15
1,1,1-Trichloroethane	ELCD	5.92	500	2.48E-04	398520	2.50E-04	0.8	±15	392024	2.55E-04	2.7	±15
1,2-Dichloroethane	ELCD	6.46	496	2.59E-04	348114	2.85E-04	10.1	±15	344052	2.88E-04	11.4	±15
Trichloroethene	ELCD	7.31	489	2.49E-04	398817	2.45E-04	-1.4	±15	383737	2.55E-04	2.5	±15
1,1,2-Trichloroethane	ELCD	10.19	495	2.67E-04	384454	2.58E-04	-3.4	±15	362984	2.73E-04	2.3	±15
Tetrachloroethene	ELCD	10.36	493	2.06E-04	492264	2.00E-04	-2.5	±15	481868	2.05E-04	-0.4	±15
1,1-Dichloroethene	PID	3.33	495	7.23E-04	130188	7.60E-04	5.2	±15	123301	8.03E-04	11.1	±15
Benzene	PID	6.35	508	3.19E-04	304518	3.34E-04	4.5	±15	285351	3.56E-04	11.6	±15
Toluene	PID	9.33	494	3.24E-04	283156	3.49E-04	7.6	±15	266313	3.71E-04	14.4	±15
m/p-Xylene	PID	12.60	981	2.74E-04	702945	2.79E-04	2.0	±15	659626	2.97E-04	8.7	±15
o-Xylene	PID	13.46	489	3.40E-04	281762	3.47E-04	2.0	±15	265168	3.89E-04	8.4	±15

Project #: 00273

Client Name: HydroGeoChem

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Burbank, CA



INTERPHASE
ENVIRONMENTAL, INC.

Table IV. Daily Calibration Check Results
Lab ID: Phase 10

Final Report

Analyst: Daniel Alvarez
Standard: CAL9905
Date Standard Prepared: Sept. 28, 1999
Date Calibration Checked:
Time Calibration Checked:
Amount of Standard Injected (mL)

27-Oct-00
7:20
0.2

Compound Name	Detector	RT (min)	Std Conc. (ug/L)	Calcd. RF	Area	RF	% Dev.	Acpt. Rng.
trans-1,2-Dichloroethene	ELCD	4.22	508	2.76E-04	324827	3.13E-04	13.2	±15
1,1-Dichloroethane	ELCD	4.68	463	3.21E-04	260731	3.55E-04	10.7	±15
cis-1,2-Dichloroethene	ELCD	5.34	498	2.85E-04	316811	3.14E-04	10.3	±15
1,1,1-Trichloroethane	ELCD	5.92	500	2.48E-04	368254	2.72E-04	9.4	±15
1,2-Dichloroethane	ELCD	6.46	496	2.59E-04	335382	2.96E-04	14.3	±15
Trichloroethene	ELCD	7.31	489	2.49E-04	362345	2.70E-04	8.5	±15
1,1,2-Trichloroethane	ELCD	10.19	495	2.67E-04	349135	2.84E-04	6.3	±15
Tetrachloroethene	ELCD	10.36	493	2.06E-04	465377	2.12E-04	3.1	±15
1,1-Dichloroethene	PID	3.33	495	7.23E-04	126396	7.83E-04	8.4	±15
Benzene	PID	6.35	508	3.19E-04	291642	3.48E-04	9.2	±15
Toluene	PID	9.33	494	3.24E-04	266877	3.70E-04	14.2	±15
m/p-Xylene	PID	12.60	981	2.74E-04	664573	2.95E-04	7.9	±15
o-Xylene	PID	13.46	489	3.40E-04	266877	3.66E-04	7.7	±15

Project #: 00273

Client: HydroGeoChem

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Bu Bu, CA

APPENDIX H

SOIL GAS ANALYTICAL REPORT - FEBRUARY 13, 2001



INTERPHASE ENVIRONMENTAL, INC.

MOBILE LABORATORIES AND DIRECT PUSH DRILLING

Tuesday, February 13, 2001

Mr. John Ward
Hydro Geo Chem, Inc.
51 Wetmore, Suite 101
Tucson, AZ 85705-1678

Phone: (800) 727-5547
Fax: (520) 293-1550

Dear Mr. Ward:

Enclosed is the analytical report for the samples analyzed by InterPhase Environmental, Inc. for the following project.

Project Name: Zero Facility, Burbank, CA
Project Number: 01018

The report consists of the following sections;

- I. Sample Description;
- II. Laboratory Case Narrative and Chain of Custody Forms;
- III. Analytical Results;
- IV. Laboratory Certification.

If you have any questions regarding the results, please call me at (800) 457-3300.

Sincerely,
InterPhase Environmental

David Q. Feng, Ph.D.
Director of Laboratories



Analytical Report

InterPhase Project Number: 01018

Analysis Performed for: Hydro Geo Chem, Inc.

Project Name: Zero Facility, Burbank, CA

I. SAMPLE DESCRIPTION AND ANALYSIS REQUESTED

Date	Sample No.	InterPhase Lab	Analysis Requested
01/31/01	B-2/25'/A	Phase 17	LARWQCB*
01/31/01	B-2/25'/B	Phase 17	LARWQCB
01/31/01	B-2/25'/C	Phase 17	LARWQCB
01/31/01	B-2/50'	Phase 17	LARWQCB
01/31/01	B-2/75'	Phase 17	LARWQCB
01/31/01	B-11/20'	Phase 17	LARWQCB
01/31/01	B-11/40'	Phase 17	LARWQCB
01/31/01	B-11/60'	Phase 17	LARWQCB
01/31/01	B-11/85'	Phase 17	LARWQCB
01/31/01	B-10/20'	Phase 17	LARWQCB
01/31/01	B-10/40'	Phase 17	LARWQCB
01/31/01	B-10/60'	Phase 17	LARWQCB
01/31/01	B-3/25'	Phase 17	LARWQCB
01/31/01	B-3/50'	Phase 17	LARWQCB
01/31/01	B-3/75'	Phase 17	LARWQCB
01/31/01	B-4/17'	Phase 17	LARWQCB
01/31/01	B-4/50'	Phase 17	LARWQCB
01/31/01	B-4/75'	Phase 17	LARWQCB
01/31/01	B-9/50'	Phase 17	LARWQCB
01/31/01	B-9/22'	Phase 17	LARWQCB
01/31/01	AA010131	Phase 17	LARWQCB
02/01/01	B-10/85'	Phase 17	LARWQCB
02/01/01	B-9/75'	Phase 17	LARWQCB
02/01/01	B-7/22'	Phase 17	LARWQCB
02/01/01	B-7/50'	Phase 17	LARWQCB

*Los Angeles Regional Water Quality Control Board (LARWQCB) for active soil gas investigations under the Well Investigation Program (WIP), (February 1997).



Date	Sample No.	InterPhase Lab	Analysis Requested
02/01/01	B-7/75'	Phase 17	LARWQCB
02/01/01	B-12/23'	Phase 17	LARWQCB
02/01/01	B-12/46'	Phase 17	LARWQCB
02/01/01	B-12/68'	Phase 17	LARWQCB
02/01/01	B-12/94'	Phase 17	LARWQCB
02/01/01	SVE-1/85'	Phase 17	LARWQCB
02/01/01	SVE-7/85'	Phase 17	LARWQCB
02/01/01	SVE-5/63'	Phase 17	LARWQCB
02/01/01	AA010201	Phase 17	LARWQCB
02/01/01	SVE-3/85'	Phase 17	LARWQCB
02/01/01	MW-5/17'	Phase 17	LARWQCB
02/01/01	MW-5/50'	Phase 17	LARWQCB
02/01/01	MW-5/75'	Phase 17	LARWQCB
02/01/01	MW-3/25'	Phase 17	LARWQCB
02/01/01	MW-3/50'	Phase 17	LARWQCB
02/01/01	MW-3/75'	Phase 17	LARWQCB
02/01/01	MW-1/25'	Phase 17	LARWQCB
02/01/01	MW-1/50'	Phase 17	LARWQCB
02/01/01	MW-1/75'	Phase 17	LARWQCB
02/02/01	SVE-1	Phase 17	LARWQCB
02/02/01	SVE-7	Phase 17	LARWQCB
02/02/01	SVE-10	Phase 17	LARWQCB
02/02/01	SVE-15	Phase 17	LARWQCB
02/02/01	SVE-9	Phase 17	LARWQCB
02/02/01	SVE-11	Phase 17	LARWQCB
02/02/01	SVE-6/DEEP	Phase 17	LARWQCB
02/02/01	SVE-6/SHALLOW	Phase 17	LARWQCB
02/02/01	SVE-14	Phase 17	LARWQCB
02/02/01	SVE-16	Phase 17	LARWQCB
02/02/01	SVE-17	Phase 17	LARWQCB
02/02/01	SVE-18	Phase 17	LARWQCB
02/02/01	SVE-5	Phase 17	LARWQCB
02/02/01	SVE-19	Phase 17	LARWQCB
02/02/01	SVE-20	Phase 17	LARWQCB
02/02/01	SVE-4	Phase 17	LARWQCB
02/02/01	SVE-12	Phase 17	LARWQCB
02/02/01	SVE-13	Phase 17	LARWQCB
02/02/01	SVE-3	Phase 17	LARWQCB
02/02/01	SVE-8	Phase 17	LARWQCB
02/02/01	AA010202	Phase 17	LARWQCB



II. LABORATORY CASE NARRATIVE AND CHAIN OF CUSTODY FORMS

InterPhase Project Number: 01018

Analysis Performed for: Hydro Geo Chem, Inc.

All samples were collected in gas tight syringes by Hydro Geo Chem's field representative on Wednesday, January 31, 2001 through Friday, February 2, 2001. The samples were collected from existing vapor monitoring wells and sapling points along the vapor extraction manifold system. Samples were delivered to InterPhase's onsite laboratory and analyzed immediately after their collection. Sample collecting information was recorded on InterPhase's Chain of Custody Forms and InterPhase's Field Data Sheets.

All the samples in this report met all laboratory quality control procedures. InterPhase followed analytical protocols acceptable to the Los Angeles Regional Water Quality Control Board (LARWQCB) for active soil gas investigation under the Well Investigation Program (WIP), (February 1997).

III. ANALYTICAL RESULTS

Table I: Analytical Result of Samples presents the measured analyte concentrations of all samples and ambient air analyzed during the investigation. Concentrations are reported in micrograms per liter ($\mu\text{g/L}$) for Volatile Organic Compounds (VOCs). Surrogate recoveries are also reported in *Table I*. All surrogate recoveries are within the control limits (70% to 130%).

Table II: Initial Calibration Results presents the multi-point calibration performed on January 17th, 2001. For all target compounds, the percent relative standard deviations (%RSD) are within the control limits required by the QA/QC objective.

Table III: LCS Check Results presents the middle concentration check of the calibration results by a Laboratory Control Standard to validate the calibration. The percent differences of responses for the calibration and the LCS check are within control limits for all target analytes.

Table IV: Daily Calibration Check Results presents the daily middle concentration calibration check performed on January 31, February 1, and February 2, 2001, before sample analyses were



started. For all target compounds, the percent deviation of response factor was within control limits required by the QA/QC objective.

IV. LABORATORY CERTIFICATION

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness.

David Q. Feng, Ph.D.
Director of Laboratories



INTERPHASE
ENVIRONMENTAL, INC.

Table I. Analytical Result of Samples
Lab ID: Phase 17
Operator: Daniel Alvarez

Final Report

Sample ID :	SB010130	SB010131	B-2/25/ A	B-2/25/ B	B-2/25/ C	B-2/ 50'	B-2/ 75'	B-11/ 20'	B-11/ 40'
Date Collected :	1/30/01	1/31/01	1/31/01	1/31/01	1/31/01	1/31/01	1/31/01	1/31/01	1/31/01
Time Collected :	8:55	8:04	7:20	7:33	7:54	8:24	8:42	8:52	8:55
Date Analyzed :	1/30/01	1/31/01	1/31/01	1/31/01	1/31/01	1/31/01	1/31/01	1/31/01	1/31/01
Time Analyzed :	8:56	8:04	7:26	7:46	8:06	8:26	8:45	9:00	9:05
Volume Analyzed (ml) :	1	1	1	1	1	1	1	1	1
Compound Name	Detector	RT (min)							
Dichlorodifluoromethane	ELCD	1.83	<1	<1	<1	<1	<1	<1	<1
Vinyl Chloride	ELCD	2.33	<1	<1	<1	<1	<1	<1	<1
Chloroethane	ELCD	3.00	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	ELCD	3.38	<1	<1	<1	<1	<1	<1	<1
Dichloromethane	ELCD	4.62	<1	<1	<1	<1	<1	<1	<1
trans-1,2-Dichloroethene	ELCD	4.97	<1	<1	<1	<1	<1	<1	<1
1,1-Dichloroethane	ELCD	5.48	<1	<1	<1	<1	<1	<1	<1
cis-1,2-Dichloroethene	ELCD	6.23	<1	<1	<1	<1	<1	<1	<1
Chloroform	ELCD	6.66	<1	<1	<1	<1	<1	<1	<1
1,1,1-Trichloroethane	ELCD	6.90	<1	<1	<1	<1	<1	<1	<1
Carbon Tetrachloride	ELCD	7.15	<1	<1	<1	<1	<1	<1	<1
1,2-Dichloroethane	ELCD	7.44	<1	<1	<1	<1	<1	<1	<1
Trichloroethene	ELCD	8.43	<1	<1	<1	<1	<1	<1	<1
1,1,2-Trichloroethane	ELCD	11.40	<1	<1	<1	<1	<1	<1	<1
Tetrachloroethene	ELCD	11.69	<1	<1	<1	<1	<1	<1	<1
1,1,1,2-Tetrachloroethane	ELCD	13.65	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-Tetrachloroethane	ELCD	15.87	<1	<1	<1	<1	<1	<1	<1
1,1-Dichloroethene	PID	3.99	<1	<1	<1	<1	<1	<1	<1
Benzene	PID	7.39	<1	<1	<1	<1	<1	<1	<1
Toluene	PID	10.59	<1	<1	<1	<1	<1	<1	<1
Ethyl Benzene	PID	13.70	<1	<1	<1	<1	<1	<1	<1
m/p-Xylene	PID	13.98	<1	<1	<1	<1	<1	<1	<1
o-Xylene	PID	14.76	<1	<1	<1	<1	<1	<1	<1
1,1,2-Trichlorotrifluoroethane	FID	3.98	<1	<1	<1	<1	<1	<1	<1
TVH	FID		<100	<100	<100	<100	<100	<100	<100
% C13DCPE Recovery (ELCD)		10.02	76	109	101	100	103	105	104
% C13DCPE Recovery (PID)		8.98	97	94	93	94	94	94	94
% 4CLTOL Recovery (PID)		16.21	91	86	89	94	96	97	97
% C13DCPE Recovery (FID)		8.54	103	104	103	103	103	103	103
% 4CLTOL Recovery (FID)		15.44	99	95	98	103	105	105	106



INTERPHASE
ENVIRONMENTAL, INC.

Sample ID :
Date Collected :
Time Collected :
Date Analyzed :
Time Analyzed :
Volume Analyzed (ml) :

Table I. Analytical Result of Samples

Lab ID: Phase 17

Operator: Daniel Alvarez

Fin
port

Compound Name	Detector	RT (min)	B-11/60'	B-11/85'	B-10/20'	B-10/20'/DUP	B-10/40'	B-10/60'	B-3/25'	B-3/50'	B-3/75'
Dichlorodifluoromethane	ELCD	1.83	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vinyl Chloride	ELCD	2.33	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroethane	ELCD	3.00	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	ELCD	3.38	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dichloromethane	ELCD	4.62	<1	<1	<1	<1	<1	<1	<1	<1	<1
trans-1,2-Dichloroethene	ELCD	4.97	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-Dichloroethane	ELCD	5.48	<1	<1	<1	<1	<1	<1	<1	<1	<1
cis-1,2-Dichloroethene	ELCD	6.23	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	ELCD	6.66	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-Trichloroethane	ELCD	6.90	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon Tetrachloride	ELCD	7.15	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichloroethane	ELCD	7.44	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichloroethene	ELCD	8.43	<1	7.3	<1	<1	<1	<1	<1	<1	15
1,1,2-Trichloroethane	ELCD	11.40	<1	<1	<1	<1	<1	<1	<1	<1	<1
Tetrachloroethene	ELCD	11.69	<1	25	24	27	17	2.6	4.2	29	9.5
1,1,1,2-Tetrachloroethane	ELCD	13.65	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-Tetrachloroethane	ELCD	15.87	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-Dichloroethene	PID	3.99	<1	<1	<1	<1	<1	<1	<1	<1	<1
Benzene	PID	7.39	<1	<1	<1	<1	<1	<1	<1	<1	<1
Toluene	PID	10.59	<1	<1	<1	<1	<1	<1	<1	<1	<1
Ethyl Benzene	PID	13.70	<1	<1	<1	<1	<1	<1	<1	<1	<1
m/p-Xylene	PID	13.98	<1	<1	<1	<1	<1	<1	<1	<1	<1
o-Xylene	PID	14.76	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-Trichlorotrifluoroethane	FID	3.98	<1	<1	<1	<1	<1	<1	<1	<1	<1
TVH	FID		<100	<100	<100	<100	<100	<100	<100	<100	<100
% C13DCPE Recovery (ELCD)		10.02	105	98	102	103	106	106	103	103	105
% C13DCPE Recovery (PID)		9.98	94	94	94	94	94	94	94	94	94
% 4CLTOL Recovery (PID)		16.21	96	97	97	97	96	97	96	96	97
% C13DCPE Recovery (FID)		8.54	103	103	104	104	103	103	104	103	103
% 4CLTOL Recovery (FID)		15.44	106	106	106	106	106	105	105	105	106



INTERPHASE
ENVIRONMENTAL, INC.

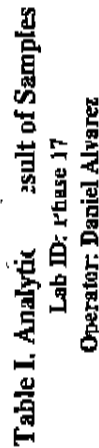
Table I. Analytical Result of Samples

Lab ID: Phase 17

Operator: Daniel Alvarez

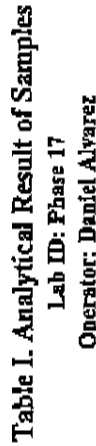
Final Report

Sample ID :	B-4/ 17'	B-4/ 50'	B-4/ 75'	B-9/ 50'	B-9/ 22'	B-9/ 22'/DUP	AA010131	SB010201	B-10/ 85'
Date Collected :	1/31/01	1/31/01	1/31/01	1/31/01	1/31/01	1/31/01	1/31/01	2/1/01	2/1/01
Time Collected :	12:45	12:47	13:20	13:50	13:45	13:45	14:54	6:40	7:40
Date Analyzed :	1/31/01	1/31/01	1/31/01	1/31/01	1/31/01	1/31/01	1/31/01	2/1/01	2/1/01
Time Analyzed :	12:50	12:55	13:30	13:54	14:02	14:22	14:55	6:51	7:45
Volume Analyzed (ml) :	1	1	1	1	1	1	1	1	1
Compound Name	Detector	RT (min)							
Dichlorodifluoromethane	ELCD	1.83	<1	<1	<1	<1	<1	<1	<1
Vinyl Chloride	ELCD	2.33	<1	<1	<1	<1	<1	<1	<1
Chloroethane	ELCD	3.00	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	ELCD	3.38	<1	<1	<1	<1	<1	<1	<1
Dichloromethane	ELCD	4.62	<1	<1	<1	<1	<1	<1	<1
trans-1,2-Dichloroethene	ELCD	4.97	<1	<1	<1	<1	<1	<1	<1
1,1-Dichloroethane	ELCD	5.48	<1	<1	<1	<1	<1	<1	<1
dis-1,2-Dichloroethene	ELCD	6.23	<1	<1	<1	<1	<1	<1	<1
Chloroform	ELCD	6.66	<1	<1	<1	<1	<1	<1	<1
1,1,1-Trichloroethane	ELCD	6.90	<1	<1	<1	<1	<1	<1	<1
Carbon Tetrachloride	ELCD	7.15	<1	<1	<1	<1	<1	<1	<1
1,2-Dichloroethane	ELCD	7.44	<1	<1	<1	<1	<1	<1	<1
Trichloroethene	ELCD	8.43	<1	<1	<1	<1	<1	<1	<1
1,1,2-Trichloroethane	ELCD	11.40	<1	<1	<1	<1	<1	<1	<1
Tetrachloroethene	ELCD	11.69	4.2	15	2.3	<1	<1	<1	<1
1,1,1,2-Tetrachloroethane	ELCD	13.65	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-Tetrachloroethane	ELCD	15.87	<1	<1	<1	<1	<1	<1	<1
1,1-Dichloroethene	PID	3.99	<1	<1	<1	<1	<1	<1	<1
Benzene	PID	7.39	<1	<1	<1	<1	<1	<1	<1
Toluene	PID	10.59	<1	<1	<1	<1	<1	<1	<1
Ethyl Benzene	PID	13.70	<1	<1	<1	<1	<1	<1	<1
m/p-Xylene	PID	13.98	<1	<1	<1	<1	<1	<1	<1
o-Xylene	PID	14.76	<1	<1	<1	<1	<1	<1	<1
1,1,2-Trichlorotrifluoroethane	FID	3.98	<1	<1	<1	<1	<1	<1	<1
TVH	FID		<100	<100	<100	<100	<100	<100	<100
% C13DCPE Recovery (ELCD)		10.02	103	99	96	97	104	NA	113
% C13DCPE Recovery (PID)		9.98	94	94	94	94	94	96	93
% 4CLTOL Recovery (PID)		16.21	97	96	96	96	96	92	91
% C13DCPE Recovery (FID)		8.54	103	104	103	103	103	105	104
% 4CLTOL Recovery (FID)		15.44	105	105	105	105	105	100	101



Sample ID :
Date Collected :
Time Collected :
Date Analyzed :
Time Analyzed :
Volume Analyzed (ml) :

[illegible]



Sample ID :
Date Collected :
Time Collected :
Date Analyzed :
Time Analyzed :
Volume Analyzed :

Project 1018
Client: Petro Geo Chem, Inc



INTERPHASE
ENVIRONMENTAL, INC.

Table I. Analytical Result of Samples

Lab ID: Phase 17

Operator: Daniel Alvarez

Fid Port

Sample ID :
Date Collected :
Time Collected :
Date Analyzed :
Time Analyzed :
Volume Analyzed (ml) :

MW-3/ 25' 2/1/01 14:05 2/1/01 2/1/01 14:15 1
MW-3/ 50' 2/1/01 14:08 2/1/01 2/1/01 14:20 1
MW-3/ 75' 2/1/01 14:45 2/1/01 2/1/01 14:50 1
MW-1/ 25' 2/1/01 15:00 2/1/01 2/1/01 15:10 1
MW-1/25/DUP 2/1/01 15:00 2/1/01 2/1/01 15:10 1
MW-1/ 50' 2/1/01 15:10 2/1/01 2/1/01 15:20 1
MW-1/ 75' 2/1/01 16:10 2/1/01 2/1/01 16:15 1
SB010202 2/2/01 5:35 2/2/01 2/2/01 5:39 1
SVE-1 2/2/01 7:10 2/2/01 2/2/01 7:15 1

Compound Name Detector RT (min)

Dichlorodifluoromethane	ELCD	1.83
Vinyl Chloride	ELCD	2.33
Chloroethane	ELCD	3.00
Trichlorofluoromethane	ELCD	3.38
Dichloromethane	ELCD	4.62
trans-1,2-Dichloroethane	ELCD	4.97
1,1-Dichloroethane	ELCD	5.48
cis-1,2-Dichloroethane	ELCD	6.23
Chloroform	ELCD	6.66
1,1,1-Trichloroethane	ELCD	6.90
Carbon Tetrachloride	ELCD	7.15
1,2-Dichloroethane	ELCD	7.44
Trichloroethene	ELCD	8.43
1,1,2-Trichloroethane	ELCD	11.40
Tetrachloroethene	ELCD	11.69
1,1,1,2-Tetrachloroethane	ELCD	13.65
1,1,2,2-Tetrachloroethane	ELCD	15.87
1,1-Dichloroethene	PID	3.99
Benzene	PID	7.39
Toluene	PID	10.59
Ethyl Benzene	PID	13.70
m/p-Xylene	PID	13.98
o-Xylene	PID	14.76
1,1,2-Trichlorotrifluoroethane	FID	3.98
TVH	FID	
% C13DCPE Recovery (ELCD)		10.02
% C13DCPE Recovery (PID)		9.88
% 4CLTOL Recovery (PID)		16.21
% C13DCPE Recovery (FID)		8.54
% 4CLTOL Recovery (FID)		15.44

Project #: 01018

Client: Hydro Geo Chem, Inc.

Page 10

Zero Facility
Burbank, CA



INTERPHASE
ENVIRONMENTAL, INC.

Sample ID :
Date Collected :
Time Collected :
Date Analyzed :
Time Analyzed :
Volume Analyzed (ml) :

Compound Name	Detector	RT (min)	SVE-16/DUP 2/2/01 9:40 2/2/01 10:10 1	SVE-17 2/2/01 10:38 2/2/01 10:50 1	SVE-18 2/2/01 10:45 2/2/01 10:55 1	SVE-5 2/2/01 11:50 2/2/01 12:00 1	SVE-19 2/2/01 11:55 2/2/01 12:10 1	SVE-20 2/2/01 12:30 2/2/01 12:40 1	SVE-4 2/2/01 12:35 2/2/01 12:45 1	SVE-12 2/2/01 12:50 2/2/01 13:00 1	SVE-13 2/2/01 12:55 2/2/01 13:05 1	SVE-3 2/2/01 13:35 2/2/01 13:45 1
Dichlorodifluoromethane	ELCD	1.83	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vinyl Chloride	ELCD	2.33	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroethane	ELCD	3.00	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	ELCD	3.38	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dichloromethane	ELCD	4.62	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
trans-1,2-Dichloroethene	ELCD	4.97	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-Dichloroethane	ELCD	5.48	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
cis-1,2-Dichloroethene	ELCD	6.23	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	ELCD	6.66	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-Trichloroethane	ELCD	6.90	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon Tetrachloride	ELCD	7.15	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichloroethane	ELCD	7.44	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichloroethene	ELCD	8.43	<1	<1	2.2	<1	<1	<1	<1	<1	<1	<1
1,1,2-Trichloroethane	ELCD	11.40	<1	<1	<1	<1	<1	<1	<1	<1	1.9	1.4
Tetrachloroethene	ELCD	11.69	<1	<1	<1	1.4	<1	<1	<1	<1	<1	<1
1,1,1,2-Tetrachloroethane	ELCD	13.65	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-Tetrachloroethane	ELCD	15.87	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-Dichloroethene	PID	3.99	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Benzene	PID	7.39	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Toluene	PID	10.59	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Ethyl Benzene	PID	13.70	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
m/p-Xylene	PID	13.98	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
o-Xylene	PID	14.76	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-Trichlorotrifluoroethane	FID	3.98	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
TVH	FID		<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
% C13DCPE Recovery (ELCD)		10.02	111	110	110	110	109	110	110	111	111	111
% C13DCPE Recovery (PID)		9.98	93	93	93	92	92	93	93	93	94	93
% 4CLTOL Recovery (PID)		16.21	94	94	93	93	92	94	94	93	94	93
% C13DCPE Recovery (FID)		8.54	103	102	103	103	103	103	103	103	103	103
% 4CLTOL Recovery (FID)		15.44	103	103	102	103	103	103	103	103	103	103

Table I. Analytical result of Samples
Lab ID: Phase I7
Operator: Daniel Alvarez

File port

Table I. Analytical Result of Samples

Lab ID: Phase 17

Operator: Daniel Alvarez



INTERPHASE
ENVIRONMENTAL, INC.

Sample ID :	SVE-8	SVE-8/DUP	AA010202
Date Collected :	2/2/01	2/2/01	2/2/01
Time Collected :	13:40	13:40	14:10
Date Analyzed :	2/2/01	2/2/01	2/2/01
Time Analyzed :	13:50	13:55	14:30
Volume Analyzed (ml) :	1	1	1
Compound Name	Detector	RT (min)	
Dichlorodifluoromethane	ELCD	1.83	<1
Vinyl Chloride	ELCD	2.33	<1
Chloroethane	ELCD	3.00	<1
Trichlorofluoromethane	ELCD	3.38	<1
Dichloromethane	ELCD	4.62	<1
trans-1,2-Dichloroethene	ELCD	4.97	<1
1,1-Dichloroethane	ELCD	5.48	<1
cis-1,2-Dichloroethene	ELCD	6.23	<1
Chloroform	ELCD	6.66	<1
1,1,1-Trichloroethane	ELCD	6.90	<1
Carbon Tetrachloride	ELCD	7.15	<1
1,2-Dichloroethane	ELCD	7.44	<1
Trichloroethene	ELCD	8.43	<1
1,1,2-Trichloroethane	ELCD	11.40	<1
Tetrachloroethene	ELCD	11.69	<1
1,1,1,2-Tetrachloroethane	ELCD	13.65	<1
1,1,2,2-Tetrachloroethane	ELCD	15.87	<1
1,1-Dichloroethane	PID	3.99	<1
Benzene	PID	7.39	<1
Toluene	PID	10.59	<1
Ethyl Benzene	PID	13.70	<1
m/p-Xylene	PID	13.98	<1
o-Xylene	PID	14.76	<1
1,1,2-Trichlorotrifluoroethane	FID	3.98	<1
TVH	FID	1300	<100
% C13DCPE Recovery (ELCD)		112	119
% C13DCPE Recovery (PID)		94	93
% 4CLTOL Recovery (PID)		109	91
% C13DCPE Recovery (FID)		104	103
% 4CLTOL Recovery (FID)		108	103



INTERPHASE
ENVIRONMENTAL, INC.

Date Calibrated: January 17, 2001
Analyst: David Feng
Standard: CAL9904
Date Standard Prepared: August 25, 1999
Concentration Level:
Amount of Standard Injected (mL):

Table II. Initial Calibration Results

Lab ID: Phase 17

Compound Name	Detector	RT (min)	Std Conc. (ug/L)	LEVEL 1 0.014			LEVEL 2 0.062			LEVEL 3 0.2		
				Mass(ng)	Area	RF	Mass(ng)	Area	RF	Mass(ng)	Area	RF
Dichlorodifluoromethane	ELCD	1.83	350	4.90	10868	4.51E-04	21.7	57663	3.78E-04	70.0	181506	3.86E-04
Vinyl Chloride	ELCD	2.33	348	4.87	16479	2.96E-04	21.6	74451	2.90E-04	69.6	25854	2.72E-04
Chloroethane	ELCD	3.00	359	5.03	9167	5.48E-04	22.3	45729	4.87E-04	71.8	145935	4.92E-04
Trichlorofluoromethane	ELCD	3.38	357	5.00	24795	2.02E-04	22.1	111987	1.98E-04	71.4	369686	1.93E-04
Dichloromethane	ELCD	4.62	351	4.91	17920	2.74E-04	21.8	78222	2.78E-04	70.2	269689	2.80E-04
trans-1,2-Dichloroethene	ELCD	4.97	359	5.03	18069	2.78E-04	22.3	79940	2.78E-04	71.8	310512	2.31E-04
1,1-Dichloroethane	ELCD	5.48	327	4.58	15134	3.02E-04	20.3	81707	2.48E-04	65.4	290412	2.25E-04
cis-1,2-Dichloroethene	ELCD	6.23	352	4.93	15724	3.13E-04	21.8	81343	2.68E-04	70.4	292929	2.40E-04
Chloroform	ELCD	6.66	350	4.90	21363	2.29E-04	21.7	108548	2.00E-04	70.0	382295	1.83E-04
1,1,1-Trichloroethane	ELCD	6.90	353	4.94	20826	2.37E-04	21.9	114670	1.91E-04	70.6	384702	1.84E-04
Carbon Tetrachloride	ELCD	7.15	348	4.87	24074	2.02E-04	21.6	128780	1.68E-04	69.6	437820	1.59E-04
1,2-Dichloroethane	ELCD	7.44	350	4.90	13168	3.72E-04	21.7	70981	3.06E-04	70.0	257237	2.72E-04
Trichloroethene	ELCD	8.43	345	4.83	23021	2.10E-04	21.4	91155	2.35E-04	69.0	329152	2.10E-04
1,1,2-Trichloroethane	ELCD	11.40	350	4.90	19148	2.56E-04	21.7	92042	2.36E-04	70.0	326753	2.14E-04
Tetrachloroethene	ELCD	11.69	348	4.87	21120	2.31E-04	21.6	97607	2.21E-04	69.6	345577	2.01E-04
1,1,1,2-Tetrachloroethane	ELCD	13.65	351	4.91	22668	2.17E-04	21.8	107974	2.02E-04	70.2	369497	1.90E-04
1,1,2,2-Tetrachloroethane	ELCD	15.87	354	4.96	22578	2.20E-04	21.9	97191	2.26E-04	70.8	311206	2.28E-04
1,1-Dichloroethene	PID	3.99	350	4.90	6617	7.41E-04	21.7	36374	5.97E-04	70.0	129790	5.39E-04
Benzene	PID	7.39	359	5.03	17122	2.94E-04	22.3	89603	2.48E-04	71.8	319301	2.25E-04
Toluene	PID	10.59	349	4.89	14277	3.42E-04	21.6	72385	2.99E-04	69.8	267905	2.61E-04
Ethyl Benzene	PID	13.70	350	4.90	12942	3.79E-04	21.7	62082	3.50E-04	70.0	225880	3.10E-04
m/p-Xylene	PID	13.98	693	9.70	34558	2.81E-04	43.0	150395	2.86E-04	138.6	538330	2.57E-04
o-Xylene	PID	14.76	345	4.83	13225	3.55E-04	21.4	59495	3.60E-04	69.0	214990	3.21E-04
1,1,2-Trichlorotrifluoroethane	FID	3.96	350	4.90	1480	3.31E-03	21.7	6855	3.17E-03	70.0	21672	3.23E-03
TVH	FID		8748	122.47	105969	1.16E-03	542.4	429217	1.26E-03	1749.6	1395960	1.25E-03



INTERPHASE
ENVIRONMENTAL, INC.

Date Calibrated: January 17, 2001
Analyst: David Feng
Standard: CAL9904
Date Standard Prepared: August 25, 1999
Concentration Level:
Amount of Standard Injected (mL):

LEVEL 5
0.95

Table II. Initial Calibration Results

Lab ID: Phase 17

Compound Name	Detector	RT (min)	Std Conc. (ug/L)	Mass(ng)	Area	RF	Aver. RF	Std. Div.	%RSD	Acpt. Rng.
Dichlorodifluoromethane	ELCD	1.83	350	333	703585	4.73E-04	4.12E-04	5.31E-05	12.9	<30
Vinyl Chloride	ELCD	2.33	348	331	1021488	3.24E-04	2.95E-04	2.14E-05	7.3	<30
Chloroethane	ELCD	3.00	359	341	600048	5.68E-04	5.24E-04	4.07E-05	7.8	<30
Trichlorofluoromethane	ELCD	3.38	357	339	1424187	2.38E-04	2.08E-04	2.06E-05	9.9	<30
Dichloromethane	ELCD	4.62	351	333	1047735	3.18E-04	2.83E-04	2.49E-05	8.8	<20
trans-1,2-Dichloroethene	ELCD	4.97	359	341	1230327	2.77E-04	2.68E-04	2.34E-05	8.8	<20
1,1-Dichloroethane	ELCD	5.48	327	311	1178343	2.64E-04	2.60E-04	3.25E-05	12.5	<20
cis-1,2-Dichloroethene	ELCD	6.23	362	334	1167476	2.86E-04	2.77E-04	3.07E-05	11.1	<20
Chloroform	ELCD	6.66	350	333	1503751	2.21E-04	2.08E-04	2.09E-05	10.0	<20
1,1,1-Trichloroethane	ELCD	6.80	353	335	1485735	2.26E-04	2.09E-04	2.82E-05	12.5	<20
Carbon Tetrachloride	ELCD	7.15	348	331	1681325	1.97E-04	1.81E-04	2.14E-05	11.8	<20
1,2-Dichloroethane	ELCD	7.44	350	333	1146386	2.90E-04	3.10E-04	4.36E-05	14.1	<20
Trichloroethene	ELCD	8.43	345	328	1335215	2.45E-04	2.25E-04	1.81E-05	8.0	<20
1,1,2-Trichloroethane	ELCD	11.40	350	333	1379526	2.41E-04	2.37E-04	1.73E-05	7.3	<20
Tetrachloroethene	ELCD	11.69	348	331	1491132	2.22E-04	2.19E-04	1.23E-05	5.6	<20
1,1,1,2-Tetrachloroethane	ELCD	13.65	351	333	1525514	2.19E-04	2.07E-04	1.35E-05	6.5	<20
1,1,2,2-Tetrachloroethane	ELCD	15.87	354	336	1307534	2.57E-04	2.33E-04	1.68E-05	7.2	<20
1,1-Dichloroethene	PID	3.99	350	333	690046	4.82E-04	5.90E-04	1.11E-04	18.8	<20
Benzene	PID	7.39	359	341	1623943	2.10E-04	2.44E-04	3.65E-05	14.9	<20
Toluene	PID	10.59	349	332	1448851	2.29E-04	2.83E-04	4.90E-05	17.3	<20
Ethyl Benzene	PID	13.70	350	333	1218221	2.73E-04	3.28E-04	4.61E-05	14.1	<20
m/p-Xylene	PID	13.98	693	658	2871822	2.29E-04	2.63E-04	2.58E-05	9.8	<20
o-Xylene	PID	14.76	345	328	1192789	2.75E-04	3.30E-04	4.18E-05	12.7	<20
1,1,2-Trichlorotrifluoroethane	FID	3.98	350	333	102550	3.24E-03	3.24E-03	5.95E-05	1.8	<30
TVH	FID		8748	8311	6939055	1.20E-03	1.22E-03	5.05E-05	4.1	<30



INTERPHASE
ENVIRONMENTAL, INC.

Table III. LCS Check Results
Lab ID: Phase 17

Date Calibrated: January 17, 2001
Calibration Standard: CAL9904
LCS Standard: CAL9903
Date Standard Prepared: August 25, 1999
Analyst: David Feng
Date LCS Checked:
Time LCS Checked:
Volume of LCS injected (mL):

17-Jan-01
16:36
0.2

Compound Name	Detector	RT (min)	Std Conc. (ug/L)	Area	RF	Cal. Avr. RF	% Dev.	Acpt. Rng.
Dichlorodifluoromethane	ELCD	1.83	351	152481	4.60E-04	4.12E-04	11.9	±25
Vinyl Chloride	ELCD	2.33	349	243841	2.86E-04	2.95E-04	-3.1	±25
Chloroethane	ELCD	3.00	361	132288	5.46E-04	5.24E-04	4.2	±25
Trichlorofluoromethane	ELCD	3.38	382	341508	2.24E-04	2.08E-04	7.7	±25
Dichloromethane	ELCD	4.62	354	256945	2.76E-04	2.83E-04	-2.5	±15
trans-1,2-Dichloroethene	ELCD	4.97	352	308816	2.28E-04	2.66E-04	-14.4	±15
1,1-Dichloroethane	ELCD	5.48	293	247724	2.37E-04	2.60E-04	-9.0	±15
cis-1,2-Dichloroethene	ELCD	6.23	357	262186	2.72E-04	2.77E-04	-1.7	±15
Chloroform	ELCD	6.66	352	362921	1.94E-04	2.09E-04	-6.9	±15
1,1,1-Trichloroethane	ELCD	6.90	349	344767	2.02E-04	2.09E-04	-3.3	±15
Carbon Tetrachloride	ELCD	7.15	350	403681	1.73E-04	1.81E-04	-4.4	±15
1,2-Dichloroethane	ELCD	7.44	348	248443	2.80E-04	3.10E-04	-9.6	±15
Trichloroethene	ELCD	8.43	350	321333	2.18E-04	2.25E-04	-3.1	±15
1,1,2-Trichloroethane	ELCD	11.40	349	330758	2.11E-04	2.37E-04	-10.9	±15
Tetrachloroethene	ELCD	11.69	369	345847	2.14E-04	2.19E-04	-2.4	±15
1,1,1,2-Tetrachloroethane	ELCD	13.65	355	364715	1.95E-04	2.07E-04	-5.8	±15
1,1,2,2-Tetrachloroethane	ELCD	15.87	351	313329	2.24E-04	2.33E-04	-3.6	±15
1,1-Dichloroethene	PID	3.99	362	130915	5.53E-04	5.90E-04	-6.2	±15
Benzene	PID	7.39	359	333721	2.15E-04	2.44E-04	-11.9	±15
Toluene	PID	10.59	352	287333	2.45E-04	2.83E-04	-13.3	±15
Ethyl Benzene	PID	13.70	351	244715	2.87E-04	3.28E-04	-12.5	±15
m/p-Xylene	PID	13.98	707	595464	2.37E-04	2.63E-04	-9.8	±15
o-Xylene	PID	14.76	353	236097	2.99E-04	3.30E-04	-9.4	±15
1,1,2-Trichlorotrifluoroethane	FID	3.98	344	21867	3.15E-03	3.24E-03	-2.8	±25



INTERPHASE

ENVIRONMENTAL, INC.

Date Calibrated: January 17, 2001

Analyst: Daniel Alvarez

Standard: CAL9904

Date Standard Prepared: August 25, 1999

Date Calibration Checked:

Time Calibration Checked:

Volume of Standard Injected (mL):

31-Jan-01
6:24
0.2

1-Feb-01
7:12
0.2

Table IV. Daily Calibration Check Results

Lab ID: Phase 17

Final Report

Compound Name	Detector	RT (min)	Std Conc. (ug/L)	Calcd. RF	Area	RF	% Dev.	Acpt. Rng.
Dichlorodifluoromethane	ELCD	1.83	350	4.12E-04	146140	4.79E-04	16.4	±25
Vinyl Chloride	ELCD	2.33	348	2.95E-04	250714	2.78E-04	-8.0	±25
Chloroethane	ELCD	3.00	359	5.24E-04	150172	4.78E-04	-8.7	±25
Trichlorofluoromethane	ELCD	3.38	357	2.08E-04	371967	1.92E-04	-7.5	±25
Dichloromethane	ELCD	4.62	351	2.83E-04	285231	2.65E-04	-6.4	±15
trans-1,2-Dichloroethene	ELCD	4.97	359	2.66E-04	295896	2.43E-04	-8.9	±15
1,1-Dichloroethane	ELCD	5.48	327	2.60E-04	290980	2.25E-04	-13.5	±15
cis-1,2-Dichloroethene	ELCD	6.23	352	2.77E-04	297750	2.36E-04	-14.7	±15
Chloroform	ELCD	6.66	350	2.08E-04	394798	1.77E-04	-14.9	±15
1,1,1-Trichloroethane	ELCD	6.90	353	2.09E-04	384877	1.83E-04	-12.4	±15
Carbon Tetrachloride	ELCD	7.15	348	1.81E-04	447965	1.55E-04	-14.3	±15
1,2-Dichloroethane	ELCD	7.44	350	3.10E-04	258254	2.71E-04	-12.6	±15
Trichloroethene	ELCD	8.43	345	2.25E-04	323904	2.13E-04	-5.3	±15
1,1,2-Trichloroethane	ELCD	11.40	350	2.37E-04	347539	2.01E-04	-14.9	±15
Tetrachloroethene	ELCD	11.89	348	2.19E-04	347506	2.00E-04	-8.4	±15
1,1,1,2-Tetrachloroethane	ELCD	13.65	351	2.07E-04	387576	1.81E-04	-12.4	±15
1,1,2,2-Tetrachloroethane	ELCD	15.87	354	2.33E-04	353009	2.01E-04	-13.7	±15
1,1-Dichloroethene	PID	3.99	350	5.90E-04	124861	5.61E-04	-4.9	±15
Benzene	PID	7.39	359	2.44E-04	315328	2.28E-04	-6.8	±15
Toluene	PID	10.59	349	2.83E-04	274628	2.54E-04	-10.1	±15
Ethyl Benzene	PID	13.70	350	3.28E-04	240174	2.91E-04	-11.1	±15
m/p-Xylene	PID	13.98	693	2.63E-04	584038	2.37E-04	-9.9	±15
o-Xylene	PID	14.76	345	3.30E-04	231736	2.98E-04	-9.8	±15
1,1,2-Trichlorotrifluoroethane	FID	3.98	350	3.24E-03	22331	3.13E-03	-3.2	±25
TVH	FID		8748	1.22E-03	1550300	1.13E-03	-7.3	±25

Project 01018

Client Hydro Geo Chem, Inc.

Zero Velocity
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INTERPHASE
ENVIRONMENTAL, INC.

Table IV. Daily Calibration Check Results
Lab ID: Phase 17

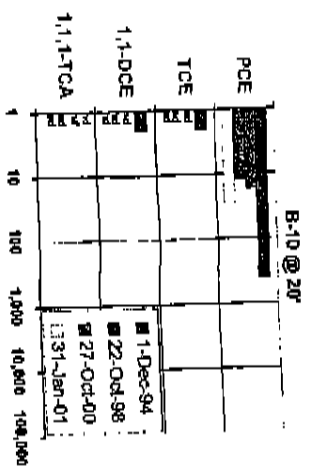
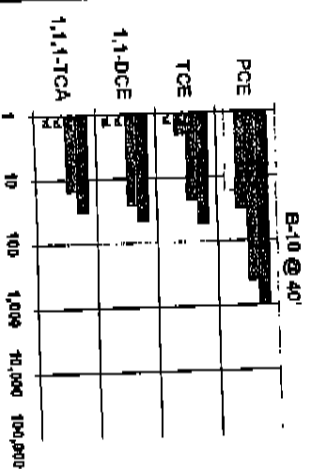
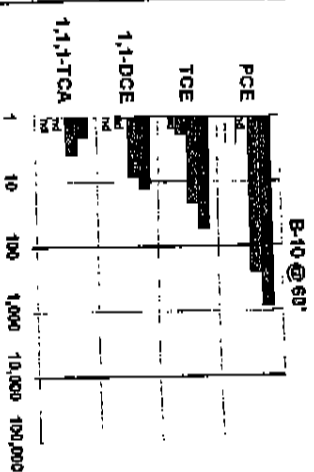
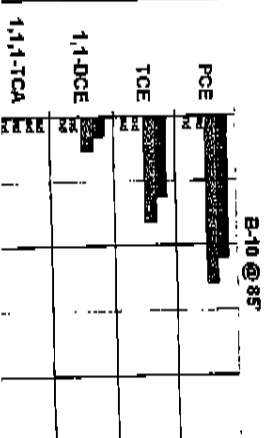
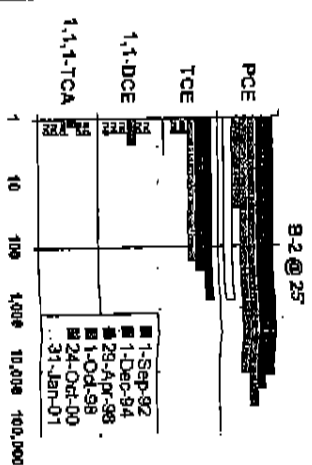
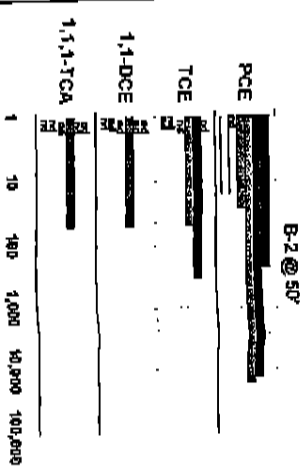
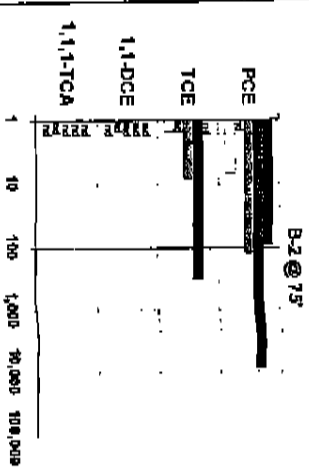
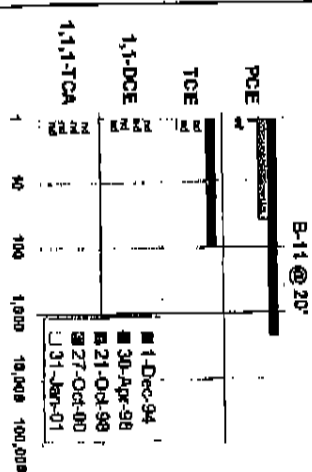
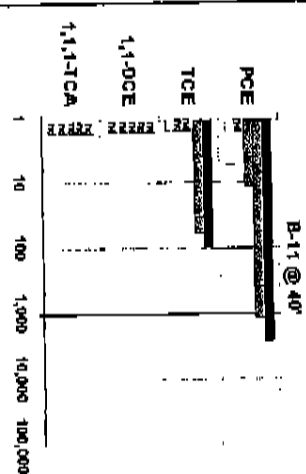
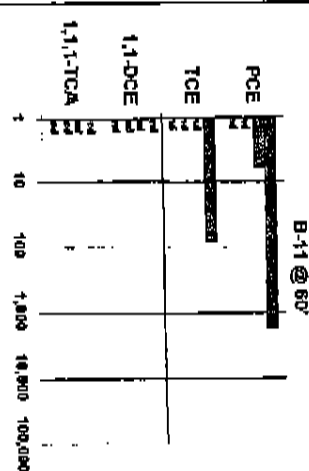
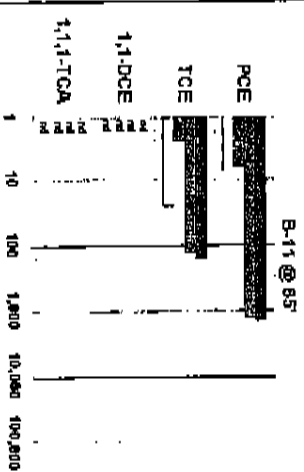
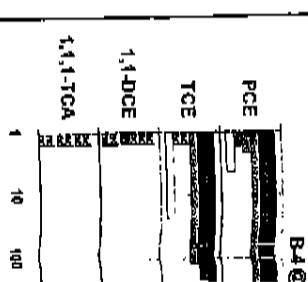
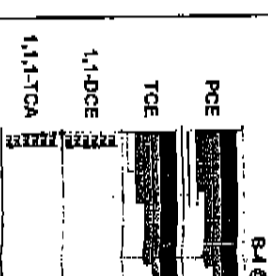
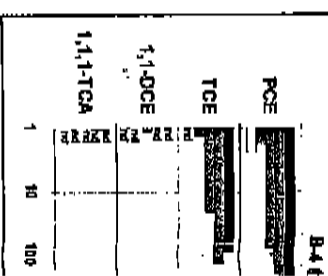
Final Report

Date Calibrated: January 17, 2001
Analyst: Daniel Alvarez
Standard: CAL9904
Date Standard Prepared: August 25, 1999
Date Calibration Checked:
Time Calibration Checked:
Volume of Standard Injected (mL):

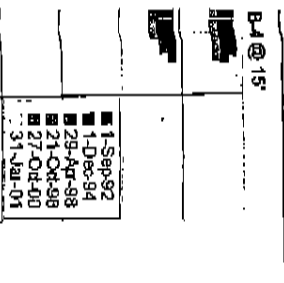
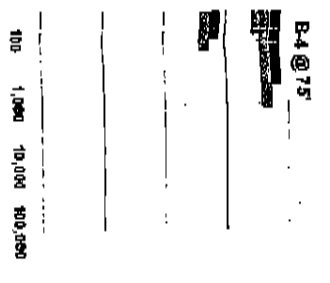
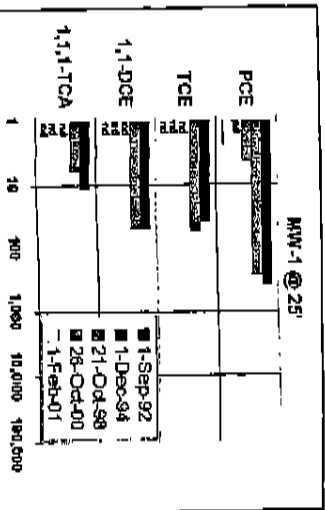
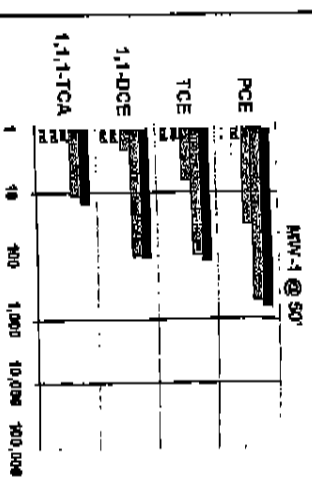
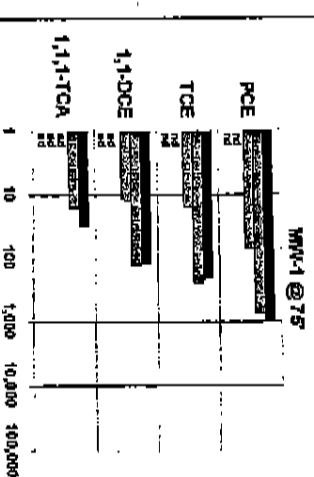
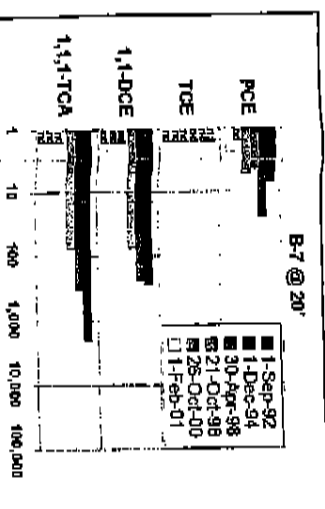
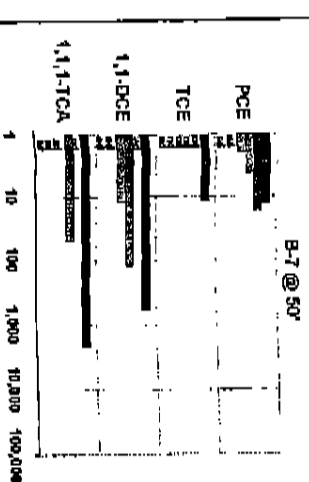
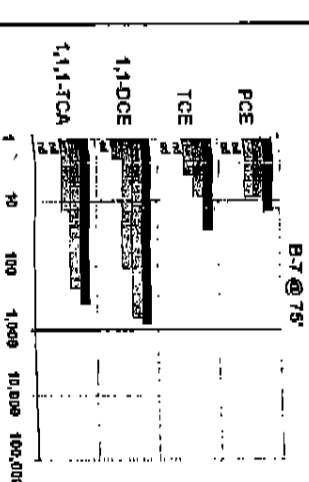
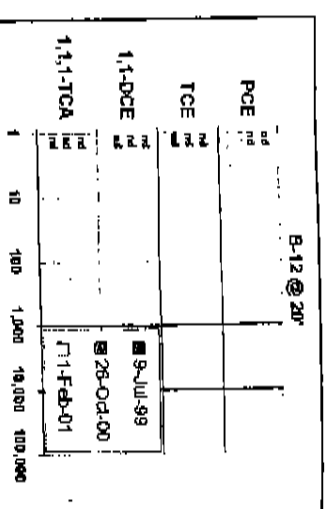
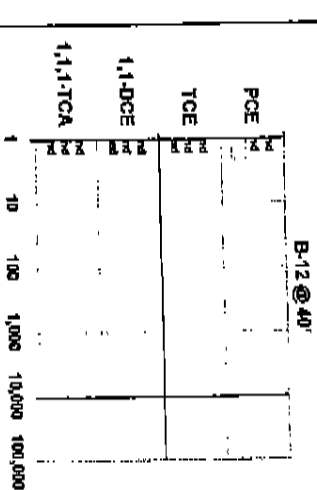
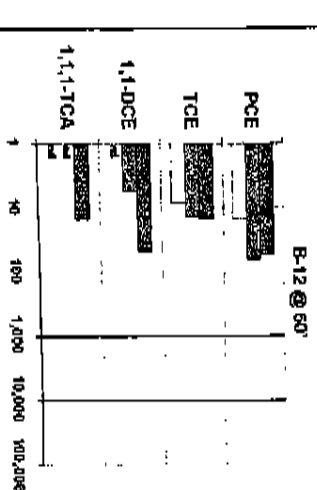
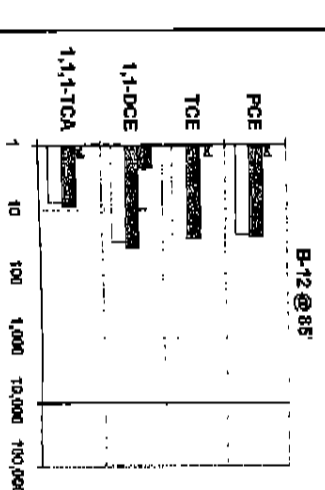
2-Feb-01
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Compound Name	Detector	RT (min)	Std Conc. (ug/L)	Calcd. RF	Area	RF	% Dev.	Acpt. Rng.
Dichlorodifluoromethane	ELCD	1.83	350	4.12E-04	142037	4.93E-04	19.8	±25
Vinyl Chloride	ELCD	2.33	348	2.95E-04	251119	2.77E-04	-6.1	±25
Chloroethane	ELCD	3.00	359	5.24E-04	130852	5.50E-04	4.9	±25
Trichlorofluoromethane	ELCD	3.38	357	2.08E-04	371845	1.92E-04	-7.5	±25
Dichloromethane	ELCD	4.62	351	2.83E-04	240701	2.92E-04	3.1	±15
trans-1,2-Dichloroethene	ELCD	4.97	359	2.66E-04	315073	2.28E-04	-14.4	±15
1,1-Dichloroethane	ELCD	5.48	327	2.60E-04	292305	2.24E-04	-13.9	±15
cis-1,2-Dichloroethene	ELCD	6.23	352	2.77E-04	295109	2.39E-04	-13.9	±15
Chloroform	ELCD	6.66	350	2.08E-04	382735	1.83E-04	-12.2	±15
1,1,1-Trichloroethane	ELCD	6.90	353	2.09E-04	390934	1.85E-04	-11.4	±15
Carbon Tetrachloride	ELCD	7.15	348	1.81E-04	436505	1.59E-04	-12.1	±15
1,2-Dichloroethane	ELCD	7.44	350	3.10E-04	243536	2.87E-04	-7.3	±15
Trichloroethene	ELCD	8.43	345	2.25E-04	329630	2.09E-04	-6.9	±15
1,1,2-Trichloroethane	ELCD	11.40	350	2.37E-04	343587	2.04E-04	-13.9	±15
Tetrachloroethane	ELCD	11.69	348	2.19E-04	349138	1.99E-04	-8.9	±15
1,1,1,2-Tetrachloroethane	ELCD	13.65	351	2.07E-04	395428	1.78E-04	-14.1	±15
1,1,2,2-Tetrachloroethane	ELCD	15.87	354	2.33E-04	355481	1.99E-04	-14.3	±15
1,1-Dichloroethene	PID	3.99	350	5.90E-04	126188	5.55E-04	-5.9	±15
Benzene	PID	7.39	359	2.44E-04	322012	2.23E-04	-8.7	±15
Toluene	PID	10.59	349	2.83E-04	261343	2.48E-04	-12.2	±15
Ethyl Benzene	PID	13.70	350	3.28E-04	247192	2.83E-04	-13.6	±15
m/p-Xylene	PID	13.98	693	2.63E-04	599672	2.31E-04	-12.2	±15
o-Xylene	PID	14.76	345	3.30E-04	239719	2.88E-04	-12.6	±15
1,1,2-Trichlorotrifluoroethane	FID	3.98	350	3.24E-03	22301	3.14E-03	-3.0	±25
TVH	FID		8748	1.22E-03	1566250	1.12E-03	-8.3	±25

PLATES



OLD FRONT STREET



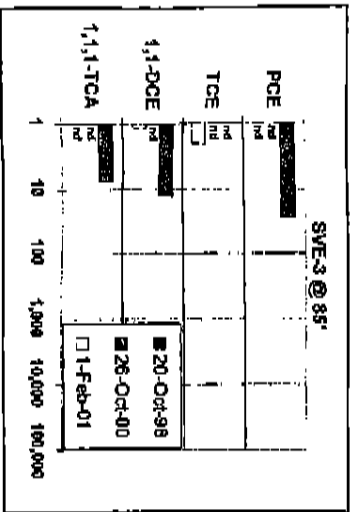
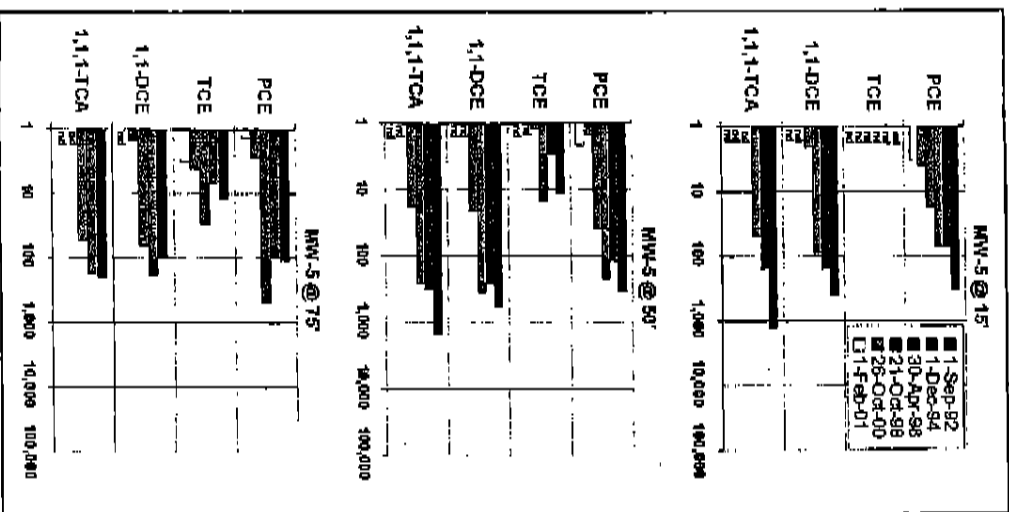
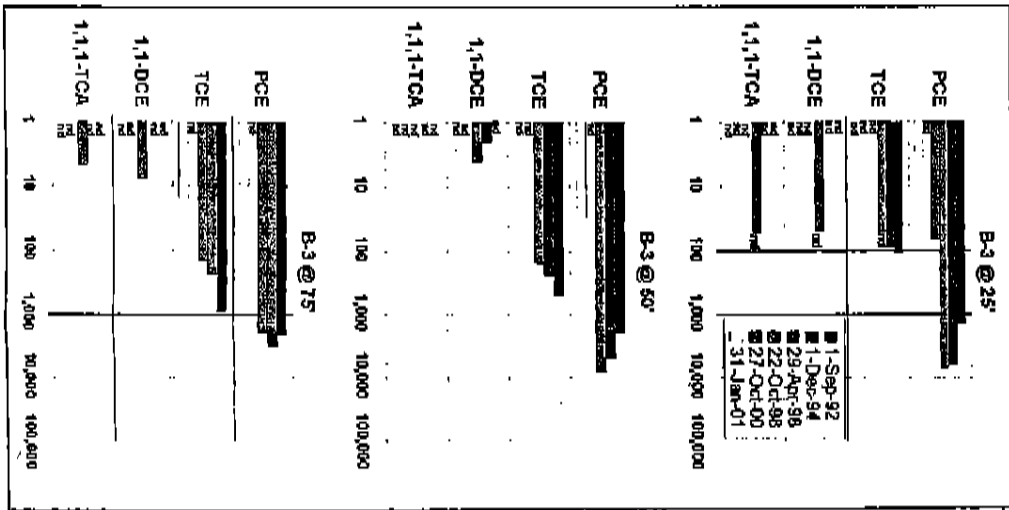
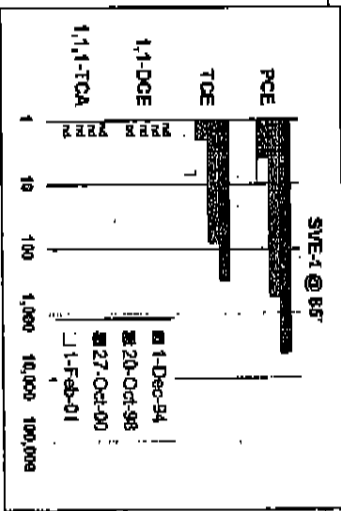
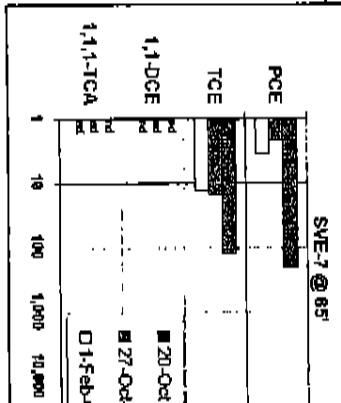
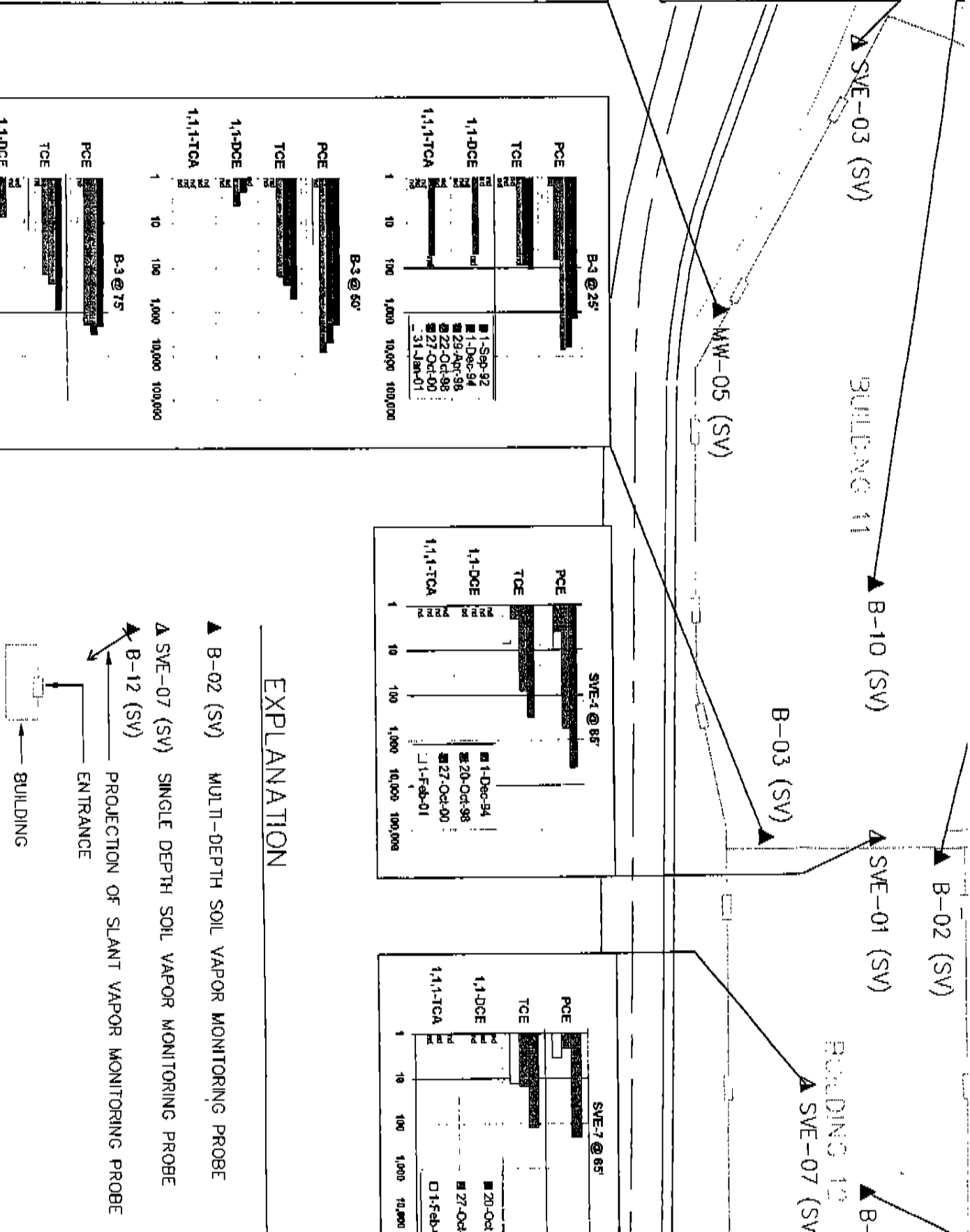
BUILDING 15

MW-01 (SV)

OLD

FRONT STREET

MW-3 @ 25'



EXPLANATION

- ▲ B-02 (SV) MULTI-DEPTH SOIL VAPOR MONITORING PROBE
- ▲ SVE-07 (SV) SINGLE DEPTH SOIL VAPOR MONITORING PROBE
- ▲ B-12 (SV) PROJECTION OF SLANT VAPOR MONITORING PROBE
- BUILDING

3-04 (SV)

BUILDING 13

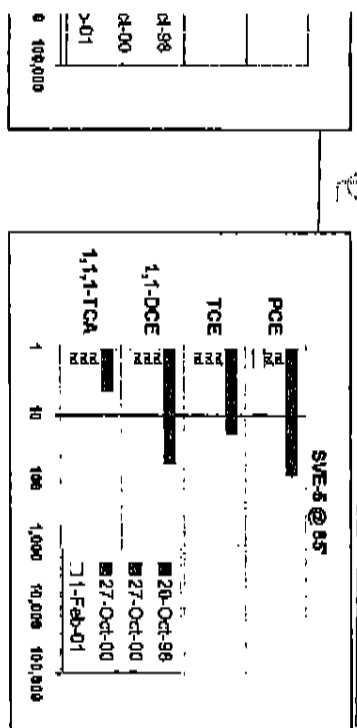
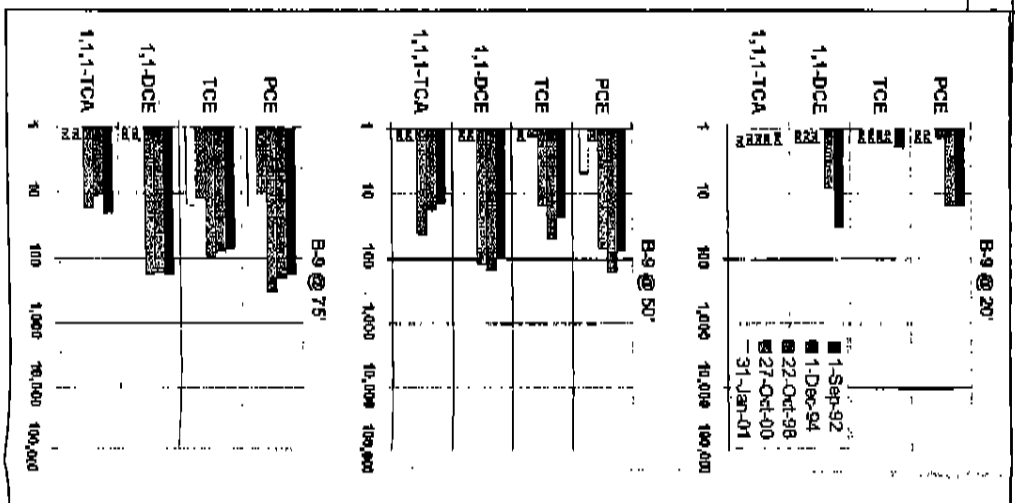
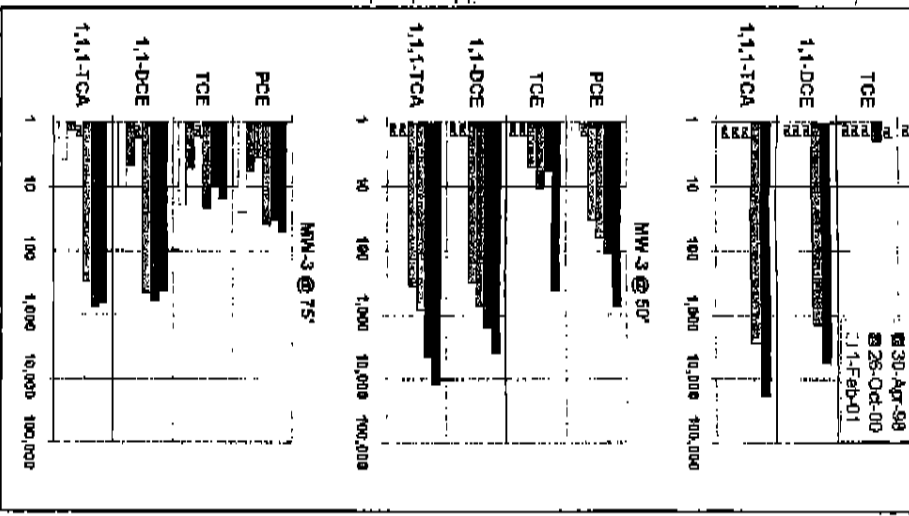
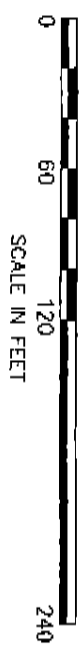
SVE-05 (SV)

B-09 (SV)

B-12 (SV)

MW-03 (SV)

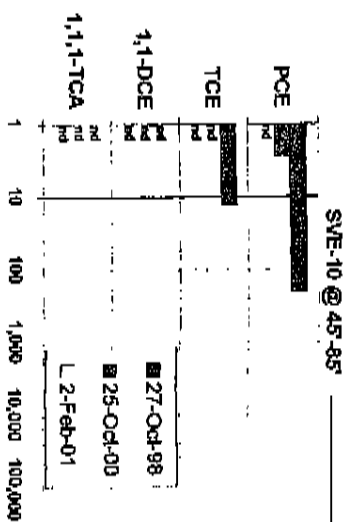
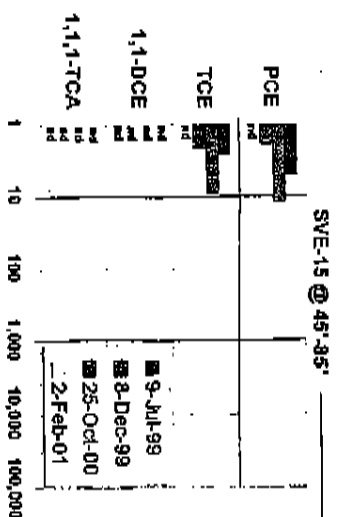
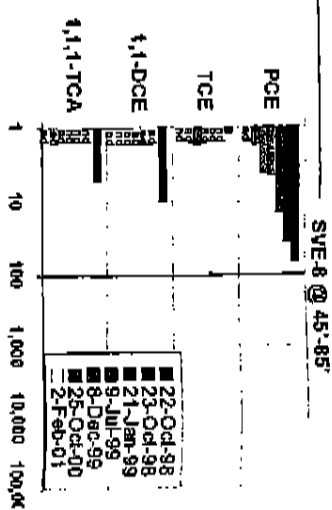
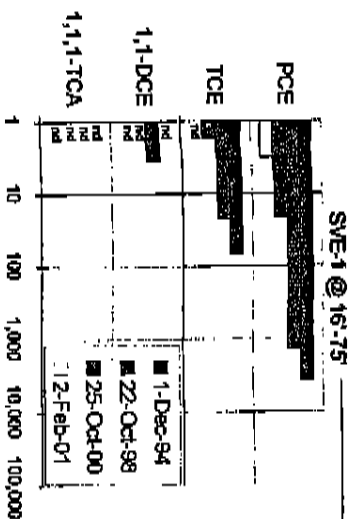
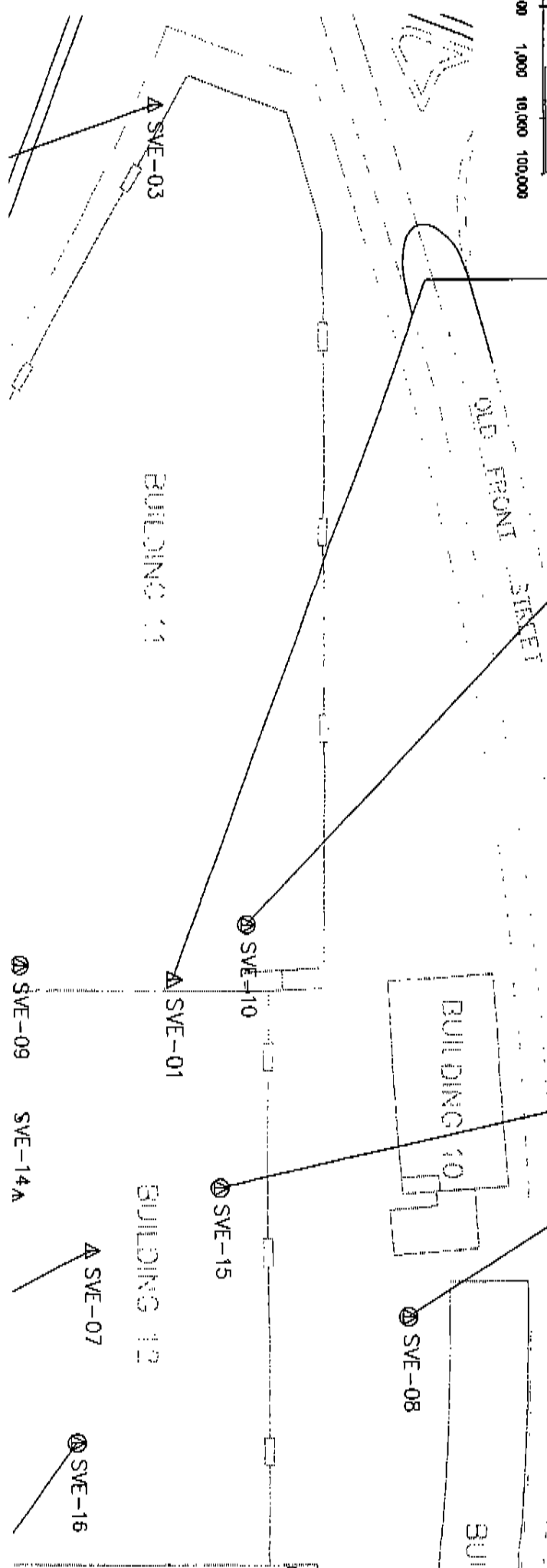
BUILDING 14



HYDRO
GEO
CHEM, INC.

VOC CONCENTRATIONS IN DEEP SOIL GAS
MONITORING PROBES
Former APW Facility
777 Front St, Burbank, CA

Approved	Date	Revised	Date	Reference	PLATE
JH/JM	2/8/01			4850545A	2



201-98	nd	21-Jan-99
201-98	nd	25-Oct-00
201-98	nd	
1-99	nd	
10-99	nd	2-Feb-01
201-00	nd	
20-01	nd	

	PCE	TCE	1,1-DCE	1,1,1-TCA
1	nd	nd	nd	nd
10				
100				
1,000				
10,000				
100,000				

SVE-13 @ 45' SS'

21-Jan-99
 25-Oct-00
 12-Feb-01

SVE-18 @ 45-85°	
PCE	nd
1,1,1-TCA	nd
1,1-DCE	nd
TCE	nd
1,1,1-TCA	nd
1	10 100 1,000 10,000 100,000

[illegible]

		SVE-5 @ 20-55'				
		1	10	100	1,000	10,000
PCE	nd	nd	nd	nd	nd	nd
TCE	nd	nd	nd	nd	nd	nd
1,1-DCE	nd	nd	nd	nd	nd	nd
1,1,1-TCA	nd	nd	nd	nd	nd	nd

SVE-20 @ 45-85°	
PCE	nd
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TCE	nd
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1,1-DCE	nd
	nd

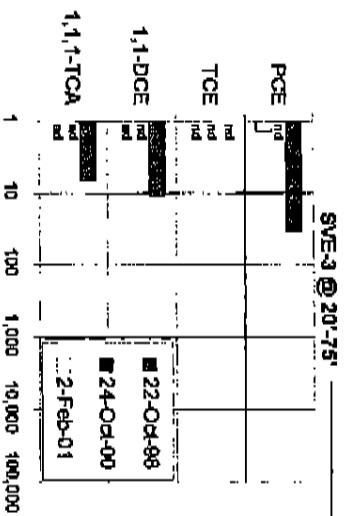
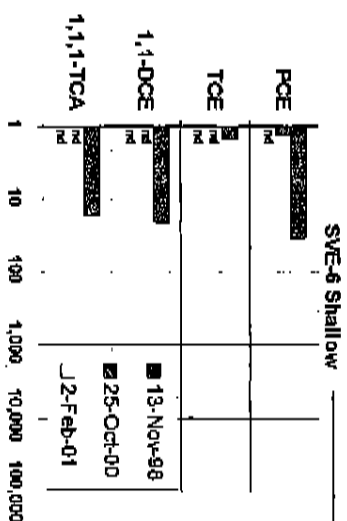
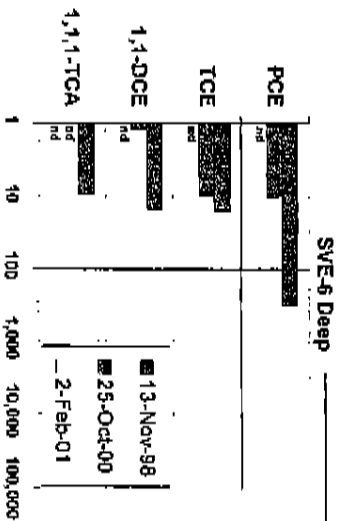
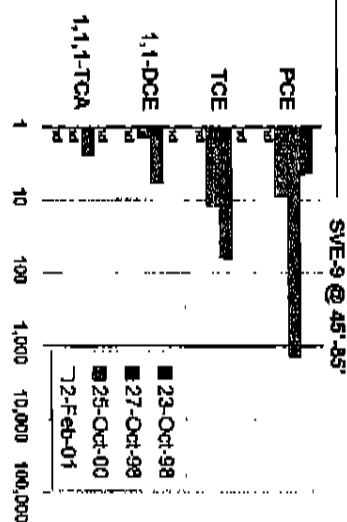
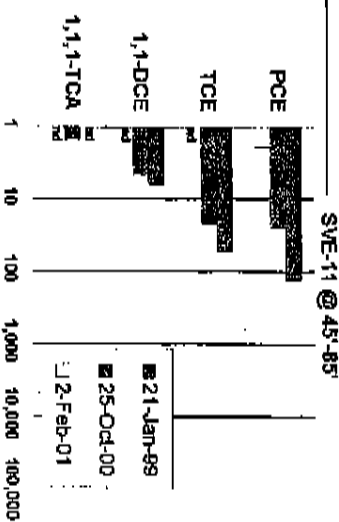
9-Jul-99
 24 Oct 00

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~~OLD FRONT STREET~~

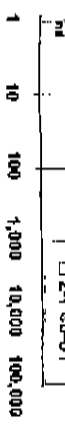
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 UNIVERSITY OF THE PACIFIC
 300 CALIFORNIA AVENUE
 STOCKTON, CALIF. 95211
 (415) 321-2000

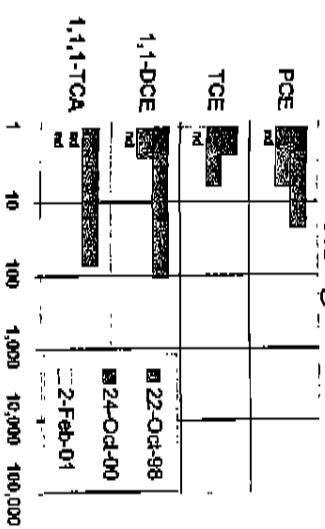


NEW FRONT STREET

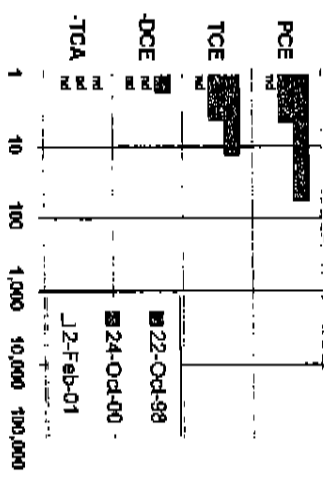
SVE-04



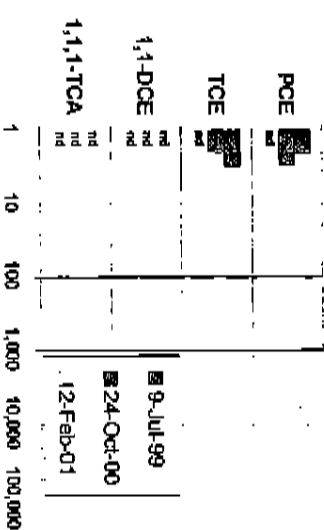
SVE-4 @ 45'-85'



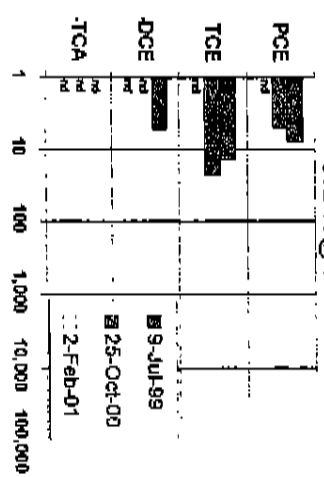
SVE-7 @ 20'-75'



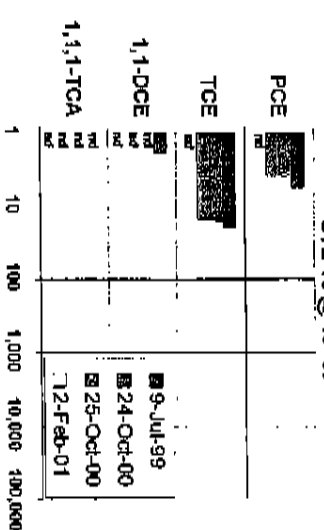
SVE-17 @ 45'-85'



SVE-14 @ 45'-85'

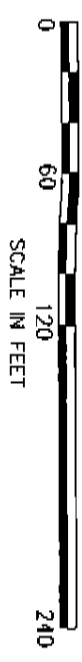


SVE-16 @ 45'-85'



EXPLANATION

- ▲ DEEP SVE WELL
- ⊕ COMBINATION SVE WELL (SVE PLUS SPARCE WELL)
- ↓ PROJECTION OF SLANT SVE WELLS
- ENTRANCE
- BUILDING



VOC CONCENTRATIONS IN DEEP SOIL
VAPOR EXTRACTION WELLS
Former APW Facility
777 Front St, Burbank, CA

Approved	Date	Revised	Date	Reference	PLATE
JW/JM	2/78/01			4850544A	1



HYDRO GEO CHEM, INC.
Environmental Science & Technology

August 23, 2001

Mr. Dixon A. Oriola, Unit Chief
Senior Engineering Geologist
California Regional Water Quality Control Board,
Los Angeles Region
320 West 4th Street, Suite 200
Los Angeles CA 90013

Supplemental Site Closure Information
Former APW Facility, 777 Front Street, Burbank CA
RWQCB File No. 109.6162

Dear Mr. Oriola:

This letter presents the data, analysis and interpretation of results of the additional focused shallow soil remediation at the former APW facility in Burbank. The supplemental remediation targeted the residual volatile organic compound (VOC) concentrations in soil gas at monitoring probe B-02 (Figure 1). The supplemental work was conducted in response to issues raised during the May 30, 2001, meeting with Board staff to discuss APW's request for no further action closure of the facility¹.

This supplemental remediation targeted the residual VOC concentrations in soil gas at monitoring probe B-02@25. The work was conducted according to our June 8, 2001, work plan², approved by Board staff on June 12.

¹ Hydro Geo Chem, Inc. 2001. Results of Site Remediation and Request for No Further Action Closure, Former APW Facility, 777 Front Street, Burbank, CA. Prepared for California Regional Water Quality Control Board. April 5, 2001.

² Hydro Geo Chem, Inc. 2001. Additional Remedial Effort in Shallow Soil, Former APW Facility, 777 Front Street, Burbank, CA. Letter to Mr. Dixon Oriola, California Regional Water Quality Control Board, June 8, 2001.

G:\46500\CORRESPOND-WB_Closure082101.wpd

Field Activities and Measurements

The supplemental soil remediation began on June 18, 2001, using shallow soil vapor extraction (SVE) and air injection wells in the vicinity of B-02 (Figure 1). The shallow SVE and injection wells are 20 feet deep and screened between depths of 5 and 20 feet. The B-02 soil gas probe is a nested array with three ½-inch diameter tubes installed to depths of 25, 50 and 75 feet, each screened over the lower 1 foot of tubing.

Additionally, to evaluate whether the source of VOCs detected at B-02 may be close to the surface, several holes were hand-drilled through the concrete slab within an approximate 15-foot radius of B-02 on June 12, 2001. The holes were 8 inches deep by 3/4 inches in diameter and were used to measure organic vapor levels with a photoionization detector (PID) in the soil immediately beneath the slab. PID concentrations, however, were all relatively low (between 3 and 27 parts per million by volume) and did not indicate proximity to a VOC source.

Soil vapor extraction took place from Ssve-18, Ssve-20, Ssve-50 and Ssve-53. Air injection took place into Sinj-12, Sinj-15, Sinj-22, and Ssve-60 (which was converted from a shallow SVE well). Air velocity and organic vapor measurements were collected from each well on a weekly basis between June 18 and July 18, 2001, when the vapor extraction and air injection systems were turned off. These field measurements and run times are summarized in Table 1.

Soil Gas Sample Collection

Soil gas samples were collected from the shallow SVE wells, B-02@25, B02-@50, and the influent to the vapor extraction system at system startup on June 18, 2001 approximately two hours after the system was turned on. A final set of soil gas samples was collected on August 6 from B-02@25, Ssve18, Ssve-20, and Ssve-53, approximately three weeks after the system was turned off. These samples were collected and analyzed by InterPhase Environmental, Inc., under the direction of the Hydro Geo Chem field representative according to the field sampling procedures described in the closure work plan³. Samples were transported by InterPhase to their Los Angeles lab for analysis. The results are summarized in Table 2. The laboratory analytical reports are appended.

³ Hydro Geo Chem. 2000. Work Plan for No Further Action Closure: Soil Vapor Extraction and Groundwater Monitoring Systems, Former ZERO Facility, 777 Front Street, Burbank, CA. Submitted to California Regional Water Quality Control Board, June 26, 2000.

Results

Soil gas was extracted from the shallow SVE wells at a weighted average of 75 standard cubic feet per minute (scfm) for the 30-day extraction period. Analytical results (Table 2) indicate that perchloroethylene (PCE) and trichloroethylene (TCE) were the only VOCs detected in soil gas samples. The highest concentration of PCE, 605 micrograms per liter ($\mu\text{g/L}$), was detected in the June 18, 2001, the 25-foot soil gas sample from B-02 (B-02@25). This concentration is slightly lower than detected at that probe in January, 2001 (720 $\mu\text{g/L}$). The 50-foot sample from B-02 (B-02@50) had nondetectable soil gas PCE concentrations, a decrease from 16 $\mu\text{g/L}$ of PCE detected in that probe in January, 2001. TCE was only detected in one sample, B-02@25, at 2.6 $\mu\text{g/L}$.

During this extraction period and subsequent rebound interval, soil gas PCE concentrations detected in B-02@25 declined from 605 to 11 $\mu\text{g/L}$, and soil gas PCE concentrations detected in Ssve-53 declined from 137 to 70 $\mu\text{g/L}$.

The flow measurements and concentration levels (Tables 1 and 2) indicate that most of the VOCs were extracted from Ssve-53. The blower influent concentration and flow rate indicates an initial VOC mass removal rate of 0.58 pounds per day. The final (August 6, 2001) VOC concentrations indicate a VOC concentration decrease of more than an order of magnitude, and a final mass removal rate of probably less than 0.1 pounds per day. The total VOC mass removal during this 30-day period, estimated by assuming an exponential decline from 0.58 to 0.1 pounds per day, is between 7 and 12 pounds.

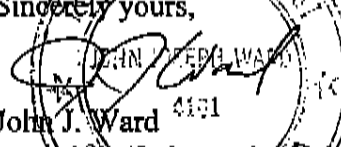
Conclusions

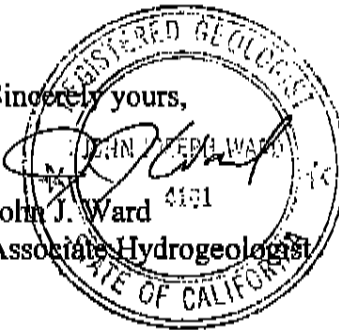
The additional shallow remedial activities have resulted in a diminishment of soil gas concentrations in the shallow soils in the vicinity of B-02. VOC concentrations at that probe and the shallow SVE wells used for this focused remediation have declined to levels below the stringent Phase II cleanup goals.

Mr. Dixon Oriola
August 23, 2001
Page 4

The goal of this supplemental focused remediation has been achieved, and the issue raised about the B-02 VOC concentrations during the May 30, 2001 meeting has been addressed. HGC, on behalf of APW, again requests that the Board make a "no further action" determination for the subject site. This further request is based upon this letter report and our April 5, 2001, report. If you have any questions or concerns, please feel free to contact me.

Sincerely yours,


John J. Ward
Associate Hydrogeologist



cc: Elijah Hill/Water Quality Control Board
Ronald Habel/APW
Michael Francis, Esq/Demetriou, Del Guercio, Springer & Francis
Nancy Peterson, Esq/Quarles & Brady
Brian Bussa/Ford Motor Company
Donald C. Nanney, Esq/Gilchrist & Rutter

ATTACHMENTS

TABLES

- 1 Field Measurements
- 2 Results of Soil Gas Sampling June 18 and August 6, 2001

FIGURE

- 1 Locations of Shallow SVE and Injection Wells and Probes in Building 12

APPENDICES

- A Report of Soil Gas Analysis, InterPhase Environmental, July 3, 2001
- B Report of Soil Gas Analysis, InterPhase Environmental, July 3, 2001

TABLES

TABLE 1
Field Measurements

Well	12-Jun-01		18-Jun-01		25-Jun-01		30-Jun-01		10-Jul-01		6-Aug-01	
	Flow Rate (scfm)	PID (ppmv)	Flow Rate (scfm)	PID (ppmv)	Flow Rate (scfm)	PID (ppmv)	Flow Rate (scfm)	PID (ppmv)	Flow Rate (scfm)	PID (ppmv)	Flow Rate (scfm)	PID (ppmv)
B-02@25	0	230	—	18	—	—	—	0.5	—	1.7	—	1.9
B-02@50	0	—	—	3.2	—	—	—	—	—	—	—	—
Ssve-18	0	7.1	6	2.0	7	—	8	0.3	9	0.3	0	0.9
Ssve-20	0	15.1	6	11.3	13	—	13	0.2	12	0.1	0	1.4
Ssve-50	0	11.9	12	7.4	11	—	0	—	0	—	0	—
Ssve-53	0	47.1	44	23.5	41	—	41	3.9	46	2.9	0	10.4
Ssve-60	0	12.1	33	3.5	4	—	23	—	23	—	0	—
Sinj-12	0	—	2	—	2	—	0	—	0	—	0	—
Sinj-15	0	—	59	—	41	—	52	—	47	—	0	—
Sinj-22	0	—	47	—	39	—	43	—	44	—	0	—
SVE influent	0	15	100	17.4	72	—	62	4.6	67	1.9	0	—
Injection	0	—	109	—	86	—	118	—	115	—	0	—

Notes:

— No measurement

Flow rates calculated in standard cubic feet per minute (scfm).

PID measurements are in parts per million by volume (ppmv).

Ssve-60 was converted to an injection well on June 25, 2001.

Ssve-50 and Sinj-12 were turned off on June 25, 2001.

TABLE 2
Results of Soil Gas Sampling,
June 18 and August 6, 2001

Sampling Point	18-Jun-01		6-Aug-01	
	PCE (µg/L)	TCE (µg/L)	PCE (µg/L)	TCE (µg/L)
B-02@25	605	2.6	11	ND (1.0)
B-02@50	ND (1.0)	ND (1.0)	NS	ND (1.0)
Ssve-18	25	ND (1.0)	6.7	ND (1.0)
Ssve-20	NS	NS	9.1	ND (1.0)
Ssve-53	137	nd (1.0)	70	ND (1.0)
Ssve-60	51	nd (1.0)	NS	NS
Blower Influent	71	nd (1.0)	NS	NS

NS: not sampled

µg/L: micrograms per liter in soil gas

scfm: standard cubic foot per minute

ND (1.0): not detected at 1 µg/L detection limit

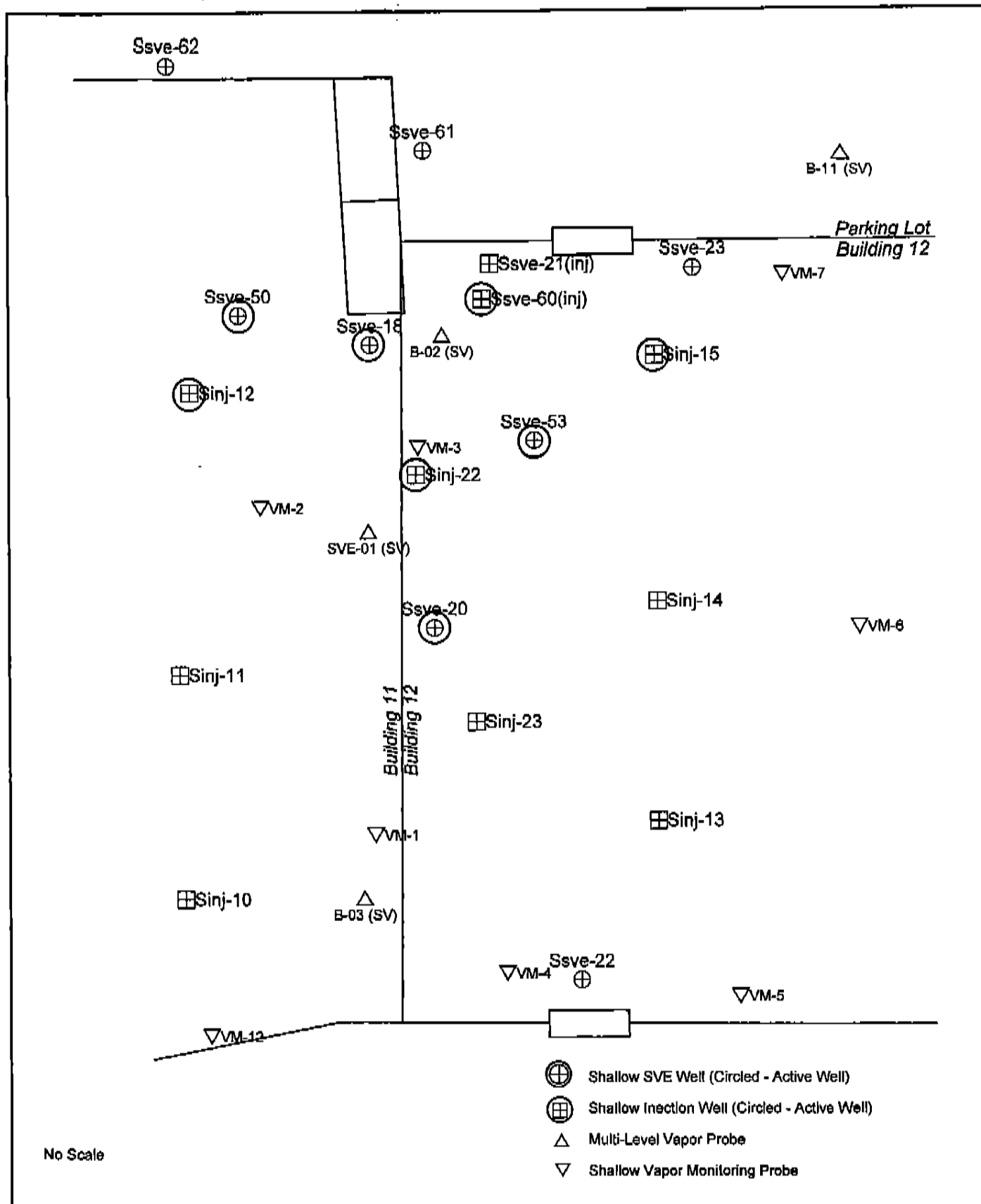
Samples were analyzed for 21 VOCs according to February 1997 Well Investigation Program.

Ssve-60 was converted to an injection well.

FIGURE

APPENDIX A

**REPORT OF SOIL GAS ANALYSIS, INTERPHASE
ENVIRONMENTAL, JUNE 18, 2001**



**HYDRO
GEO
CHEM, INC.**

LOCATIONS OF SHALLOW SVE AND INJECTION WELLS AND PROBES IN BUILDING 12

Approved

JJW

Date

7/12/01

Reference

H:46500/46512
Location/All Wells.srf

Figure

1

Table I. Analytical Result of Samples

Lab ID: Phase 17

Operator: Daniel Alvarez

InterPhase Environmental Inc.

Sample ID :	SB010618	B-2 @ 25'	B-2 @ 50'	SSVE-60	SSVE-18	SSVE-53	SSVE-53/DUP	BLOWER INFLUENT
Date Collected :	6/18/01	6/18/01	6/18/01	6/18/01	6/18/01	6/18/01	6/18/01	6/18/01
Time Collected :	7:05	13:37	13:47	13:53	13:57	14:01	14:01	14:07
Date Analyzed :	6/18/01	6/18/01	6/18/01	6/18/01	6/18/01	6/18/01	6/18/01	6/18/01
Time Analyzed :	7:08	14:36	14:45	15:00	15:15	15:20	15:30	15:25
Volume Analyzed (ml) :	1	1	1	1	1	1	1	1
Compound Name	Detector	RT (min)						
Dichlorodifluoromethane	ELCD	1.83	<1	<1	<1	<1	<1	<1
Vinyl Chloride	ELCD	2.33	<1	<1	<1	<1	<1	<1
Chloroethane	ELCD	3.00	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	ELCD	3.38	<1	<1	<1	<1	<1	<1
Dichloromethane	ELCD	4.62	<1	<1	<1	<1	<1	<1
trans-1,2-Dichloroethene	ELCD	4.97	<1	<1	<1	<1	<1	<1
1,1-Dichloroethane	ELCD	5.48	<1	<1	<1	<1	<1	<1
cis-1,2-Dichloroethene	ELCD	6.23	<1	<1	<1	<1	<1	<1
Chloroform	ELCD	6.66	<1	<1	<1	<1	<1	<1
1,1,1-Trichloroethane	ELCD	6.90	<1	<1	<1	<1	<1	<1
Carbon Tetrachloride	ELCD	7.15	<1	<1	<1	<1	<1	<1
1,2-Dichloroethane	ELCD	7.44	<1	<1	<1	<1	<1	<1
Trichloroethene	ELCD	8.43	2.6	<1	<1	<1	<1	<1
1,1,2-Trichloroethane	ELCD	11.40	<1	<1	<1	<1	<1	71
Tetrachloroethane	ELCD	11.69	605	51	25	137	146	<1
1,1,1,2-Tetrachloroethane	ELCD	13.65	<1	<1	<1	<1	<1	<1
1,1,2,2-Tetrachloroethane	ELCD	15.87	<1	<1	<1	<1	<1	<1
1,1-Dichloroethene	PID	3.99	<1	<1	<1	<1	<1	<1
Benzene	PID	7.39	<1	<1	<1	<1	<1	<1
Toluene	PID	10.59	<1	<1	<1	<1	<1	<1
Ethyl Benzene	PID	13.70	<1	<1	<1	<1	<1	<1
m/p-Xylene	PID	13.98	<1	<1	<1	<1	<1	<1
o-Xylene	PID	14.76	<1	<1	<1	<1	<1	<1
1,1,2-Trichlorotrifluoroethane	PID	3.98	<1	<1	<1	<1	<1	<1
% C13DCPE Recovery (ELCD)		10.02	97	95	97	92	91	92
% C13DCPE Recovery (PID)		9.98	96	89	94	98	98	94
% 4CLTOL Recovery (PID)		16.21	98	89	94	96	95	95
% C13DCPE Recovery (PID)		8.54	100	99	99	99	99	100
% 4CLTOL Recovery (PID)		15.44	102	99	98	98	98	99

Unit of Concentration is ug/L

NA — Not Applicable, or Not Available

Zero Facility
Burbank, CA

Project # 01134

Client Name: Hydro GeoChem

APPENDIX B

**REPORT OF SOIL GAS ANALYSIS, INTERPHASE
ENVIRONMENTAL, AUGUST 6, 2001**



INTERPHASE ENVIRONMENTAL, INC.

MOBILE LABORATORIES AND DIRECT PUSH DRILLING

Tuesday, August 14, 2001

Mr. John Ward
Hydro GeoChem, Inc.
51 Wetmore, Suite 101
Tucson, AZ 85705-1678

Re: Soil Gas Investigation
InterPhase Project #: 01171
Zero Facility
Burbank, CA

Dear Mr. Ward:

This report presents the results of the soil gas investigation performed on Monday, August 6, 2001 in Burbank, California. InterPhase Environmental, Inc. (InterPhase) under contract to Hydro GeoChem, Inc. conducted the investigation.

Soil gas analyses were performed in accordance with our firms Standard Operating Procedures, which was based on the guidelines for soil gas investigation set by California Regional Water Quality Control Board, Los Angeles (February 25, 1997).

Please do not hesitate to give us a call if you have any questions or need further information.

Sincerely,

InterPhase Environmental, Inc.
Mr. Chipper R. Greene
Senior Chemist

Lab ID: Phase 17

Operator: Daniel Alvarez

Date Calibrated: August 06, 2001
 Calibration Standard: CAL9904
 LCS Standard: CAL9903
 Date Standard Prepared: August 25, 1999
 Analyst: Daniel Alvarez
 Date LCS Checked:
 Time LCS Checked:
 Volume of LCS Injected (mL):

6-Aug-01
 9:18
 0.2

Compound Name	Detector	RT (min)	Std Conc. (ug/L)	Area	RF	Cal. Avr. RF	% Dev.	Acpt. Rng.
Dichlorodifluoromethane	ELCD	1.83	351	239115	2.94E-04	2.81E-04	4.4	±25
Vinyl Chloride	ELCD	2.33	349	207418	3.37E-04	3.16E-04	6.5	±25
Chloroethane	ELCD	3.00	361	221191	3.26E-04	3.11E-04	5.1	±25
Trichlorofluoromethane	ELCD	3.38	382	295031	2.59E-04	2.30E-04	12.4	±25
Dichloromethane	ELCD	4.62	354	267269	2.65E-04	2.48E-04	7.0	±15
trans-1,2-Dichloroethene	ELCD	4.97	352	250914	2.81E-04	2.66E-04	5.5	±15
1,1-Dichloroethane	ELCD	5.48	293	224185	2.61E-04	2.69E-04	-3.0	±15
cis-1,2-Dichloroethane	ELCD	6.23	357	241713	2.95E-04	2.91E-04	1.7	±15
Chloroform	ELCD	6.66	352	297182	2.37E-04	2.29E-04	3.3	±15
1,1,1-Trichloroethane	ELCD	6.90	349	289820	2.41E-04	2.30E-04	4.5	±15
Carbon Tetrachloride	ELCD	7.15	350	328652	2.13E-04	2.00E-04	6.3	±15
1,2-Dichloroethane	ELCD	7.44	348	249682	2.79E-04	2.64E-04	5.6	±15
Trichloroethene	ELCD	8.43	350	264234	2.65E-04	2.40E-04	10.5	±15
1,1,2-Trichloroethane	ELCD	11.40	349	269756	2.59E-04	2.50E-04	3.4	±15
Tetrachloroethene	ELCD	11.69	369	301743	2.45E-04	2.18E-04	11.9	±15
1,1,1,2-Tetrachloroethane	ELCD	13.65	355	296325	2.40E-04	2.20E-04	8.8	±15
1,1,2,2-Tetrachloroethane	ELCD	15.87	351	282746	2.48E-04	2.27E-04	9.2	±15
1,1-Dichloroethene	PID	3.99	362	103681	6.98E-04	7.16E-04	-2.5	±15
Benzene	PID	7.39	359	257930	2.78E-04	2.97E-04	-6.1	±15
Toluene	PID	10.59	352	221199	3.18E-04	3.32E-04	-4.1	±15
Ethyl Benzene	PID	13.70	351	194788	3.60E-04	3.73E-04	-3.3	±15
m/p-Xylene	PID	13.98	707	475610	2.97E-04	2.97E-04	0.1	±15
o-Xylene	PID	14.76	353	191294	3.69E-04	3.74E-04	-1.2	±15
1,1,2-Trichlorotrifluoroethane	FID	3.98	344	20174	3.41E-03	3.33E-03	2.3	±25

Golder Associates Inc.

Three Parklane Boulevard
Suite 103 West
Dearborn, Michigan 48126
Telephone (313) 441-2212
Fax (313) 441-2227



May 2, 2005

Golder Project 053-8110

Mr. Thomas Baldwin
Ford Leasing Development Company
550 Town Center Drive
Suite 200
Dearborn, Michigan 48126

**RE: ENVIRONMENTAL SAMPLING AND ANALYSIS REPORT
FRONT STREET PROPERTY, BURBANK, CALIFORNIA**

Dear Mr. Baldwin:

Golder Associates Inc. (Golder) has completed an environmental sampling and analysis program at the 777 Front Street property in Burbank, California (subject property). This letter report summarizes the work completed and information acquired at the subject property during March 2005.

BACKGROUND

The Front Street property is a former manufacturing facility within a commercial area of Burbank, California. The facility was demolished to slab grade in 2004, with four electrical substations remaining in place. Golder conducted a site visit in December 2004 to observe the conditions of the electrical equipment and adjacent surfaces. A total of 12 oil-filled transformers and two capacitor banks were noted. At this time, oily staining was also observed on the base slab and/or surrounding gravel surfaces adjacent to 10 of the 12 transformers and both capacitor banks. The following background information regarding this property has been provided to Golder by Ford Leasing Development Company to date:

- A summary of data from previous oil sampling efforts of the electrical equipment (data included as Attachment A). These data indicated that positive detections of PCBs were exhibited in most samples, although none of the concentrations exceeded 12 ppm, and, therefore, the units do not appear to be regulated under 40 CFR 761 (TSCA). Further, no information is present to indicate that past retrofilling was performed.
- Summary information from the "Report of Environmental Evaluation, 777 North Front Street, Burbank, California", prepared by Law/Crandall, dated October 1, 1997. This information describes previous surface soil sampling efforts proximal to the electrical substations on the property, the results for which indicated no concentrations of PCBs above method detection limits of 0.033 mg/kg.
- Information from a recent Phase I Environmental Assessment Report that describes the presence of a former in-ground hydraulic elevator in the northeast corner of former Building 10 (Figure 1). No information regarding the decommissioning of the elevator has been provided to date.

PROJECT OBJECTIVES

The overall objective of this project was two-fold: 1) to obtain data regarding the surfaces below the electrical equipment that will help facilitate the need for, and methods of, disposal of these areas; and 2) to obtain information regarding the subsurface conditions related to the former in-ground hydraulic lift. To meet this objective, Golder completed a sampling and analysis program that was described in the "Proposal for Environmental Sampling Services, Front Street Property" dated February 18, 2005.

A summary of the work completed, field observations, and data obtained during these efforts is provided herein. Selected photographs taken during the onsite activities are included in Attachment B.

REGULATORY FRAMEWORK

Regarding the In-Ground Elevator

Based on our experience and interpretation of applicable State and local regulations and guidelines, as confirmed in the past by personnel from the Los Angeles County Regional Water Quality Control Board (LARWQCB), hydraulic lifts/elevators are exempt from the State of California and Los Angeles County underground storage tank regulations. In 1995, the California State Water Resources Control Board issued a report to the California Legislature on the effect of hydraulic lift tanks on the environment, entitled "Report on Hydraulic Lift Tanks", dated February 1995. To summarize, this document indicates that the potential impact and risk to the environment from hydraulic lifts (or elevators) is low enough that to regulate the lifts as underground storage tanks would put an undue burden on the regulatory community. Therefore, the document recommends that hydraulic lifts not be regulated, which was accepted in 1996 by the State legislature. However, local Regional Water Quality Control Boards retain the right to require corrective action where beneficial uses of water are affected or threatened.

Golder has previously contacted personnel from the LARWQCB, who stated that in order to determine whether or not a hydraulic fluid release has the potential to impact usable groundwater resources, samples collected during an environmental assessment should be analyzed for total petroleum hydrocarbons (full range carbon chain identification) via USEPA/CA Method 8015M, and for VOCs via USEPA Method 8260B (for vehicle lifts). There are no mandated cleanup criteria set forth by the LARWQCB for total petroleum hydrocarbons (TPH) from non-regulated releases such as hydraulic fluid. The agency does have screening levels that are based on the depths to usable groundwater resources, such as less than 20 feet and within 150 feet.

SUMMARY OF ACTIVITIES AND RESULTS

Sampling and Analysis Program

The sampling and analysis program entailed the completion of one soil boring advanced directly adjacent to the former in-ground hydraulic elevator pit and 14 surfacial concrete or gravel samples collected adjacent to electrical units. The soil boring extended to 20 feet below ground level (bgl). A summary of the boring and sample locations (Figure 1), analytical program, and field observations are presented in the following paragraphs.

Surface Sampling Procedures

Golder collected a total of 10 bulk concrete samples and four gravel samples from stained surface areas adjacent to the remaining electrical equipment. For paved areas, a small portion of concrete was "chipped" out of the slab and containerized. For unpaved areas where stained gravel was observed, a sample of the loose surface materials was collected. All samples were submitted to Del Mar Analytical in Irvine, California for laboratory analysis of PCBs via USEPA Method 8082. The samples were crushed by the laboratory prior to analysis in accordance with standard laboratory methods.

Soil Boring and Sampling Procedures

The soil boring program was conducted by Golder and our subcontractor, Kehoe Drilling, on March 29, 2005. Continuous soil samples were collected at 2-foot intervals to the borehole terminus using direct push (i.e., GeoProbe[®]) techniques. Upon retrieval to the surface, each soil sample was visually inspected for indications of impact (stained soil, odor, etc.) and geologically classified following Unified Soil Classification System (USCS) procedures. Sample descriptions and classifications were documented on the soil boring log (included as Attachment C).

The soil samples that corresponded to the top of the elevator piston (4-6 feet bgl as measured in the pit) and the borehole terminus (18-20 feet) were containerized and submitted to Del Mar Analytical for analysis of Gas Range Organic compounds (GRO), Diesel Range Organic compounds (DRO), and Heavy Oil Range Organic compounds (ORO) via USEPA/CADHS Method 8015M and PCBs via USEPA Method 8082.

The borehole was backfilled with a mixture of bentonite hole plug and soil cuttings. The surface was then patched to match the adjacent pavement.

Sample Management

Sample preparation and transport followed generally acceptable EPA sample collection and handling protocols. The soil samples submitted for laboratory analysis were placed in appropriate pre-cleaned containers following acceptable procedures and temporarily stored on frozen packs in an insulated cooler to maintain a temperature of 4° C. Chain-of-custody forms were filled out by field personnel and maintained with the samples. A copy of the laboratory report and chain-of-custody is included in Attachment D.

Geology/Hydrogeology

Based on the data obtained from the soil boring, the subject property in the area of the former in-ground hydraulic elevator is underlain primarily with brown to gray, fine to coarse sand intermixed with some fines (i.e., silt) to at least 20 feet bgl (terminus of boring). Saturated conditions were not observed during advancement or upon completion of the soil boring.

Field Observations

As noted previously, oily staining was observed on concrete and/or gravel surfaces adjacent to 10 of the 12 transformers and both capacitor banks. This staining is roughly approximated as shown on Figure 1. No pooled accumulations of oil or other liquids were observed.

As indicated on the soil boring log (Appendix C), no stained or odorous soils were observed in the subsurface samples collected from the boring. The hydraulic cylinder appeared to be present in the base of the elevator pit, along with other unknown circular openings.

Summary of Analytical Results

A summary of the sample analytical results collected during this program is provided on Table 1 (attached). As shown on Table 1, positive detections of PCBs were exhibited in 12 of the 14 bulk surficial samples collected, ranging from 0.051 mg/kg (ppm) to 1.1 mg/kg. The soil samples collected did not exhibit positive detections of GRO/DRO/ORO or PCBs. The laboratory data package is provided as Attachment D.

MANAGEMENT OF IMPACTED MATERIALS

Based on the analytical data obtained to date, the oil-containing electrical equipment will be removed from the property and managed as non-hazardous PCB wastes per 40 CFR 263 and applicable State or local regulations as part of further demolition activities. Dielectric oils will be drained from the equipment and transported to an oil reclamation or disposal facility licensed to accept low levels of PCBs. The resulting equipment carcasses may also be disposed as a PCB containing waste, or they may be flushed (using the guidelines set forth in 40 CFR 761).

The PCB impacted concrete and gravel will be managed as non-hazardous PCB wastes per 40 CFR 263 and applicable State or local regulations. Visibly stained concrete and gravel will be removed in full and disposed at a landfill or other appropriate facility licensed to accept low-level PCBs. For the unpaved areas where removal is to take place, confirmation samples will be collected from the underlying soils at each discrete location and analyzed for PCBs via USEPA Method 8082. Any PCB impacted media that may be identified will be removed or remediated to applicable cleanup criteria. Certificates of destruction for all waste materials will be prepared and issued to applicable parties and regulatory agencies as necessary.

CLOSING

We appreciate this opportunity to be of service to Ford Leasing. If you have any questions or are in need of additional information, please call me at (517) 482-2262.

Sincerely,

GOLDER ASSOCIATES INC.



Andy Lewis
Program Manager/Associate

cc: Kristin Bloser, Golder

Attachments

Tables

Figures

Attachment A - Oil Sample Data (Previous)

Attachment B - Photo documentation

Attachment C - Soil Boring Logs

Attachment D - Laboratory Analytical Report

**ANALYTICAL RESULTS OF ENVIRONMENTAL SAMPLES
FRONT STREET PROPERTY, BURBANK, CALIFORNIA**

SAMPLE	MATRIX	Total PCBS (mg/kg)	Total Petroleum Hydrocarbons (mg/kg)
C1-East Trans	concrete	< 0.050	not analyzed
C2-East Trans	concrete	< 0.050	not analyzed
C3-East Trans	concrete	0.089	not analyzed
G4-East Trans	gravel	1.1	not analyzed
C5-Central Trans	concrete	0.25	not analyzed
C6-Central Trans	concrete	0.71	not analyzed
C7-Central Trans	concrete	0.59	not analyzed
G8-Central Trans	gravel	0.54	not analyzed
C9-NW Trans	concrete	0.051	not analyzed
C10-NW Trans	concrete	0.087	not analyzed
C11-NW Trans	concrete	0.87	not analyzed
G14-NW Trans	gravel	0.66	not analyzed
C12-West Trans	concrete	0.18	not analyzed
G13-West Trans	gravel	1.0	not analyzed
S1-6 (4-6 ft bg)	soil	< 0.050	< 10
S1-20 (18-20 ft bg)	soil	< 0.050	< 9.9

Notes:

Samples collected on March 29, 2005.

Soil Samples analyzed using USEPA Method 8015M (TPH) and 8082 (PCBs).

Bulk concrete and gravel samples analyzed using USEPA Method 8082 (PCBs).

< = analyte not detected at quantitation limits.

ATTACHMENT A

ELECTRICAL EQUIPMENT OIL SAMPLE RESULTS (PREVIOUS)



PCB Content

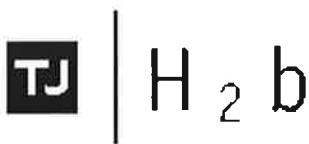
USEPA Method 8080

Date: 08-18-2004
Report Number: 1116876

DOUGLAS MARKS
SQUARE "D" COMPANY

1421 E. EDINGER SUITE C
TUSTIN, CA 92780-6287

Lab. No.	Sample Identification		Results	Units	Aroclor	Reporting Limit
1116876	Ford	Phase B	5.6	ppm	1260	1 ppm
	A55506	Transformer				
1116877	Ford	Phase A	4.2	ppm	1260	1 ppm
	A55507	Transformer				
1116878	Ford	Phase C	3.7	ppm	1260	1 ppm
	A55508	Transformer				
1116879	O S&Y Valve	O S&Y Valve	3.8	ppm	1260	1 ppm
	4052675	Transformer				
1116880	O S&Y Valve	O S&Y Valve	3.4	ppm	1260	1 ppm
	4069-85	Transformer				
1116881	4256484		3.7	ppm	1260	1 ppm
	4256484	Transformer				
1116882	Concrete Bldg	Stage 14	<1.0	ppm	ND	1 ppm
	082-50336-2	Transformer				
1116883	Concrete Bldg	Stage 14	<1.0	ppm	ND	1 ppm
	082-50336-1	Transformer				
1116884	Concrete Bldg	Stage 14	1.6	ppm	1260	1 ppm
	082-50336-3	Transformer				
1116885	7148351		12	ppm	1260	1 ppm
	7148351	Transformer				
1116886	7148349		3.1	ppm	1260	1 ppm
	7148349	Transformer				
1116887	7148352		1.9	ppm	1260	1 ppm
	7148352	Transformer				



PCB Content

USEPA Method 8080

Date: 08-18-2004
Report Number: 1116893

DOUGLAS MARKS
SQUARE "D" COMPANY

1421 E. EDINGER SUITE C
TUSTIN, CA 92780-6287

Lab. No.	Sample Identification		Results	Units	Aroclor	Reporting Limit
1116893	Burbank-Ford		1.4	ppm	1242	1 ppm
	OFC-01	Transformer				
1116894	Burbank-Ford		1.5	ppm	1242	1 ppm
	OFC-02	Transformer				
1116895	Burbank-Ford		1.4	ppm	1242	1 ppm
	OFC-03	Transformer				
1116896	Burbank-Ford		8.1	ppm	1260	1 ppm
	OFC-04	Transformer				
1116897	Burbank-Ford		13	ppm	1254/60	1 ppm
	OFC-05	Transformer				
1116898	Burbank-Ford		7.4	ppm	1260	1 ppm
	OFC-07	Transformer				
1116899	Burbank-Ford		7.2	ppm	1260	1 ppm
	OFC-08	Transformer				
1116900	Burbank-Ford		7.8	ppm	1260	1 ppm
	OFC-09	Transformer				
1116901	Burbank-Ford		4.2	ppm	1260	1 ppm
	OFC-10	Transformer				
1116902	Burbank-Ford		3.9	ppm	1260	1 ppm
	OFC-11	Transformer				
1116903	Burbank-Ford		4.2	ppm	1260	1 ppm
	OFC-12	Transformer				
1116904	G&W OFC Switch Stage 14	A/B/C	<1.0	ppm	ND	1 ppm
	10-57	Transformer				

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Sacramento, CA 95827
(916) 361-7177

◆ 1000 Riverbend Blvd; Suite O
St. Rose, LA 70087
(504) 468-8837

◆ 3098 Happy Valley Road
Sun Prairie, WI 53590
(608) 825-2022

◆ 204 Gale Lane
Kennett Square, PA 19348
(610) 925-0688

ATTACHMENT B
PHOTODOCUMENTATION



Remaining structure around western substation.



Transformers in former northwest substation.



Transformers in eastern substation. Note staining on concrete and gravel.



Transformers in central substation.



Example staining on concrete and gravel surfaces (typical).



Capacitor bank (typical).



Hydraulic elevator pit with soil boring location shown.



Hydraulic cylinder in base of elevator pit.

ATTACHMENT C
SOIL BORING LOG

PROJECT: Ford/Burbank CA Sampling/CA

LOCATION: Burbank, CA

PROJECT NUMBER: 053-8110

RECORD OF BOREHOLE S1

BORING DATE: 3/29/05

DRILLING CONTRACTOR: Kehoe Testing & Engineering, Inc.

SHEET 1 OF 1

DATUM: LOCAL

DEPTH SCALE FEET	BORING METHOD	SOIL PROFILE		SAMPLES		ELEVATION	PID (ppm)				ADDITIONAL LAB TESTING	WELL CONSTRUCTION DETAILS AND GROUNDWATER OBSERVATIONS	
		DESCRIPTION	STRATA PLOT	ELEV. DEPTH (ft)	NUMBER		TYPE						
								1	2	3			4
0		GROUND SURFACE		0.0									
2	Geoprobe	10 YR 3/3 (dark brown) fine to medium grained SAND with some silts (SM), medium dense, slightly moist, no hydrocarbon odor.											
4													
6													
8		10 YR 5/2 (grayish brown) gravelly SAND (GP), fine to coarse grained, dense, dry, no hydrocarbon odor.	7.0	1	GEOPROBE								
10				2	GEOPROBE								
12				3	GEOPROBE								
14		10 YR 4/3 (brown) fine to medium grained SAND with some silts (SM), medium dense, dry, no hydrocarbon odor.		12.0	4	GEOPROBE							
16				5	GEOPROBE								
18				6	GEOPROBE								
20				7	GEOPROBE								
22		End of Boring at 20 bgs.		20.0									

LAN-BORHOLE LOG-1 ENV DATA BORING LOG.GPJ GLDR_LDN.GDT 4/20/05 DATA INPUT: EAD

DEPTH SCALE
1 inch to 2.8 feetLOGGED: KB
CHECKED: AJL

ATTACHMENT D
LABORATORY DATA PACKAGE



Del Mar Analytical

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LABORATORY REPORT

Prepared For: Enovis, Inc.
1525 Hampton Hall Drive #16
Chesterfield, MO 63005
Attention: Andy Lewis

Project: Golder Associates
053-8110.0002

Sampled: 03/29/05
Received: 03/30/05
Issued: 04/12/05 13:46

NELAP #01108CA California ELAP#1197 CSDLAC #10117

*The results listed within this Laboratory Report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the applicable certifications as noted. All soil samples are reported on a wet weight basis unless otherwise noted in the report. This Laboratory Report is confidential and is intended for the sole use of Del Mar Analytical and its client. This report shall not be reproduced, except in full, without written permission from Del Mar Analytical. The Chain(s) of Custody, 4 pages, are included and are an integral part of this report.
This entire report was reviewed and approved for release.*

SAMPLE CROSS REFERENCE

LABORATORY ID	CLIENT ID	MATRIX
IOC2344-01	C1-East trans	Solid
IOC2344-02	C2-East trans	Solid
IOC2344-03	C3-East trans	Solid
IOC2344-04	G4-East trans	Solid
IOC2344-05	C5-Central trans	Solid
IOC2344-06	C6-Central trans	Solid
IOC2344-07	C7-Central trans	Solid
IOC2344-08	G8-Central trans	Solid
IOC2344-09	C9-NW trans	Solid
IOC2344-10	C10-NW trans	Solid
IOC2344-11	C11-NW trans	Solid
IOC2344-12	C12-West trans	Solid
IOC2344-13	G13-West trans	Solid
IOC2344-14	G14-NW trans	Solid
IOC2344-15	SI-6' Northside elevator pit	Soil
IOC2344-16	S1B-20' SW side elevator pit	Soil

Reviewed By:

Del Mar Analytical, Irvine
Sushmitha Reddy For Lisa Reightley
Project Manager



Del Mar Analytical

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Enovis, Inc.
1525 Hampton Hall Drive #16
Chesterfield, MO 63005
Attention: Andy Lewis

Project ID: Golder Associates
053-8110.0002
Report Number: IOC2344

Sampled: 03/29/05
Received: 03/30/05

EXTRACTABLE FUEL HYDROCARBONS (CADHS/8015 Modified)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOC2344-15 (SI-6' Northside elevator pit - Soil)								RL-1
Reporting Units: mg/kg								
DRO (C13 - C22)	EPA 8015B MOD.	5C31060	10	ND	2	3/31/2005	4/1/2005	
ORO (C23-C32)	EPA 8015B MOD.	5C31060	10	ND	2	3/31/2005	4/1/2005	
EFH (C13 - C40)	EPA 8015B MOD.	5C31060	10	ND	2	3/31/2005	4/1/2005	
Surrogate: n-Octacosane (40-130%)				81 %				
Sample ID: IOC2344-16 (S1B-20' SW side elevator pit - Soil)								RL-1
Reporting Units: mg/kg								
DRO (C13 - C22)	EPA 8015B MOD.	5C31060	9.9	ND	1.99	3/31/2005	4/1/2005	
ORO (C23-C32)	EPA 8015B MOD.	5C31060	9.9	ND	1.99	3/31/2005	4/1/2005	
EFH (C13 - C40)	EPA 8015B MOD.	5C31060	9.9	ND	1.99	3/31/2005	4/1/2005	
Surrogate: n-Octacosane (40-130%)				100 %				

Del Mar Analytical, Irvine
Sushmitha Reddy For Lisa Reightley
Project Manager

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Enovis, Inc.
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 Chesterfield, MO 63005
 Attention: Andy Lewis

Project ID: Golder Associates
 053-8110.0002
 Report Number: IOC2344

Sampled: 03/29/05
 Received: 03/30/05

POLYCHLORINATED BIPHENYLS (EPA 8082)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOC2344-01 (C1-East trans - Solid)								
Reporting Units: ug/kg								
Aroclor 1016	EPA 3545/8082	5C31091	50	ND	0.995	3/31/2005	4/2/2005	
Aroclor 1221	EPA 3545/8082	5C31091	50	ND	0.995	3/31/2005	4/2/2005	
Aroclor 1232	EPA 3545/8082	5C31091	50	ND	0.995	3/31/2005	4/2/2005	
Aroclor 1242	EPA 3545/8082	5C31091	50	ND	0.995	3/31/2005	4/2/2005	
Aroclor 1248	EPA 3545/8082	5C31091	50	ND	0.995	3/31/2005	4/2/2005	
Aroclor 1254	EPA 3545/8082	5C31091	50	ND	0.995	3/31/2005	4/2/2005	
Aroclor 1260	EPA 3545/8082	5C31091	50	ND	0.995	3/31/2005	4/2/2005	
Surrogate: Decachlorobiphenyl (45-120%)				94 %				
Sample ID: IOC2344-02 (C2-East trans - Solid)								
Reporting Units: ug/kg								
Aroclor 1016	EPA 3545/8082	5C31091	50	ND	0.997	3/31/2005	4/8/2005	
Aroclor 1221	EPA 3545/8082	5C31091	50	ND	0.997	3/31/2005	4/8/2005	
Aroclor 1232	EPA 3545/8082	5C31091	50	ND	0.997	3/31/2005	4/8/2005	
Aroclor 1242	EPA 3545/8082	5C31091	50	ND	0.997	3/31/2005	4/8/2005	
Aroclor 1248	EPA 3545/8082	5C31091	50	ND	0.997	3/31/2005	4/8/2005	
Aroclor 1254	EPA 3545/8082	5C31091	50	ND	0.997	3/31/2005	4/8/2005	
Aroclor 1260	EPA 3545/8082	5C31091	50	ND	0.997	3/31/2005	4/8/2005	
Surrogate: Decachlorobiphenyl (45-120%)				95 %				
Sample ID: IOC2344-03 (C3-East trans - Solid)								
Reporting Units: ug/kg								
Aroclor 1016	EPA 3545/8082	5C31091	50	ND	1	3/31/2005	4/5/2005	
Aroclor 1221	EPA 3545/8082	5C31091	50	ND	1	3/31/2005	4/5/2005	
Aroclor 1232	EPA 3545/8082	5C31091	50	ND	1	3/31/2005	4/5/2005	
Aroclor 1242	EPA 3545/8082	5C31091	50	ND	1	3/31/2005	4/5/2005	
Aroclor 1248	EPA 3545/8082	5C31091	50	ND	1	3/31/2005	4/5/2005	
Aroclor 1254	EPA 3545/8082	5C31091	50	ND	1	3/31/2005	4/5/2005	
Aroclor 1260	EPA 3545/8082	5C31091	50	89	1	3/31/2005	4/5/2005	
Surrogate: Decachlorobiphenyl (45-120%)				101 %				

Del Mar Analytical, Irvine
 Sushmitha Reddy For Lisa Reightley
 Project Manager

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Enovis, Inc.
1525 Hampton Hall Drive #16
Chesterfield, MO 63005
Attention: Andy Lewis

Project ID: Golder Associates
053-8110.0002
Report Number: IOC2344

Sampled: 03/29/05
Received: 03/30/05

POLYCHLORINATED BIPHENYLS (EPA 8082)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOC2344-04 (G4-East trans - Solid)								
Reporting Units: ug/kg								
Aroclor 1016	EPA 3545/8082	5C31091	250	ND	4.99	3/31/2005	4/8/2005	
Aroclor 1221	EPA 3545/8082	5C31091	250	ND	4.99	3/31/2005	4/8/2005	
Aroclor 1232	EPA 3545/8082	5C31091	250	ND	4.99	3/31/2005	4/8/2005	
Aroclor 1242	EPA 3545/8082	5C31091	250	ND	4.99	3/31/2005	4/8/2005	
Aroclor 1248	EPA 3545/8082	5C31091	250	ND	4.99	3/31/2005	4/8/2005	
Aroclor 1254	EPA 3545/8082	5C31091	250	ND	4.99	3/31/2005	4/8/2005	
Aroclor 1260	EPA 3545/8082	5C31091	250	1100	4.99	3/31/2005	4/8/2005	
Surrogate: Decachlorobiphenyl (45-120%)				103 %				
Sample ID: IOC2344-05 (C5-Central trans - Solid)								
Reporting Units: ug/kg								
Aroclor 1016	EPA 3545/8082	5C31091	50	ND	0.994	3/31/2005	4/2/2005	
Aroclor 1221	EPA 3545/8082	5C31091	50	ND	0.994	3/31/2005	4/2/2005	
Aroclor 1232	EPA 3545/8082	5C31091	50	ND	0.994	3/31/2005	4/2/2005	
Aroclor 1242	EPA 3545/8082	5C31091	50	ND	0.994	3/31/2005	4/2/2005	
Aroclor 1248	EPA 3545/8082	5C31091	50	ND	0.994	3/31/2005	4/2/2005	
Aroclor 1254	EPA 3545/8082	5C31091	50	ND	0.994	3/31/2005	4/2/2005	
Aroclor 1260	EPA 3545/8082	5C31091	50	250	0.994	3/31/2005	4/2/2005	
Surrogate: Decachlorobiphenyl (45-120%)				82 %				
Sample ID: IOC2344-06 (C6-Central trans - Solid)								
Reporting Units: ug/kg								
Aroclor 1016	EPA 3545/8082	5C31091	250	ND	4.97	3/31/2005	4/5/2005	
Aroclor 1221	EPA 3545/8082	5C31091	250	ND	4.97	3/31/2005	4/5/2005	
Aroclor 1232	EPA 3545/8082	5C31091	250	ND	4.97	3/31/2005	4/5/2005	
Aroclor 1242	EPA 3545/8082	5C31091	250	ND	4.97	3/31/2005	4/5/2005	
Aroclor 1248	EPA 3545/8082	5C31091	250	ND	4.97	3/31/2005	4/5/2005	
Aroclor 1254	EPA 3545/8082	5C31091	250	ND	4.97	3/31/2005	4/5/2005	
Aroclor 1260	EPA 3545/8082	5C31091	250	710	4.97	3/31/2005	4/5/2005	
Surrogate: Decachlorobiphenyl (45-120%)				108 %				

Del Mar Analytical, Irvine
Sushmitha Reddy For Lisa Reightley
Project Manager

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Enovis, Inc.
1525 Hampton Hall Drive #16
Chesterfield, MO 63005
Attention: Andy Lewis

Project ID: Golder Associates
053-8110.0002
Report Number: IOC2344

Sampled: 03/29/05
Received: 03/30/05

POLYCHLORINATED BIPHENYLS (EPA 8082)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOC2344-07 (C7-Central trans - Solid)								
Reporting Units: ug/kg								
Aroclor 1016	EPA 3545/8082	5C31091	250	ND	4.97	3/31/2005	4/5/2005	
Aroclor 1221	EPA 3545/8082	5C31091	250	ND	4.97	3/31/2005	4/5/2005	
Aroclor 1232	EPA 3545/8082	5C31091	250	ND	4.97	3/31/2005	4/5/2005	
Aroclor 1242	EPA 3545/8082	5C31091	250	ND	4.97	3/31/2005	4/5/2005	
Aroclor 1248	EPA 3545/8082	5C31091	250	ND	4.97	3/31/2005	4/5/2005	
Aroclor 1254	EPA 3545/8082	5C31091	250	ND	4.97	3/31/2005	4/5/2005	
Aroclor 1260	EPA 3545/8082	5C31091	250	590	4.97	3/31/2005	4/5/2005	
Surrogate: Decachlorobiphenyl (45-120%)				105 %				
Sample ID: IOC2344-08 (G8-Central trans - Solid)								
Reporting Units: ug/kg								
Aroclor 1016	EPA 3545/8082	5C31091	250	ND	4.98	3/31/2005	4/5/2005	
Aroclor 1221	EPA 3545/8082	5C31091	250	ND	4.98	3/31/2005	4/5/2005	
Aroclor 1232	EPA 3545/8082	5C31091	250	ND	4.98	3/31/2005	4/5/2005	
Aroclor 1242	EPA 3545/8082	5C31091	250	ND	4.98	3/31/2005	4/5/2005	
Aroclor 1248	EPA 3545/8082	5C31091	250	ND	4.98	3/31/2005	4/5/2005	
Aroclor 1254	EPA 3545/8082	5C31091	250	ND	4.98	3/31/2005	4/5/2005	
Aroclor 1260	EPA 3545/8082	5C31091	250	540	4.98	3/31/2005	4/5/2005	
Surrogate: Decachlorobiphenyl (45-120%)				117 %				
Sample ID: IOC2344-09 (C9-NW trans - Solid)								
Reporting Units: ug/kg								
Aroclor 1016	EPA 3545/8082	5C31091	50	ND	0.999	3/31/2005	4/2/2005	
Aroclor 1221	EPA 3545/8082	5C31091	50	ND	0.999	3/31/2005	4/2/2005	
Aroclor 1232	EPA 3545/8082	5C31091	50	ND	0.999	3/31/2005	4/2/2005	
Aroclor 1242	EPA 3545/8082	5C31091	50	ND	0.999	3/31/2005	4/2/2005	
Aroclor 1248	EPA 3545/8082	5C31091	50	ND	0.999	3/31/2005	4/2/2005	
Aroclor 1254	EPA 3545/8082	5C31091	50	ND	0.999	3/31/2005	4/2/2005	
Aroclor 1260	EPA 3545/8082	5C31091	50	51	0.999	3/31/2005	4/2/2005	
Surrogate: Decachlorobiphenyl (45-120%)				95 %				

Del Mar Analytical, Irvine
Sushmitha Reddy For Lisa Reightley
Project Manager

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Enovis, Inc.
1525 Hampton Hall Drive #16
Chesterfield, MO 63005
Attention: Andy Lewis

Project ID: Golder Associates
053-8110.0002
Report Number: IOC2344

Sampled: 03/29/05
Received: 03/30/05

POLYCHLORINATED BIPHENYLS (EPA 8082)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOC2344-10 (C10-NW trans - Solid)								
Reporting Units: ug/kg								
Aroclor 1016	EPA 3545/8082	5C31091	50	ND	0.995	3/31/2005	4/8/2005	
Aroclor 1221	EPA 3545/8082	5C31091	50	ND	0.995	3/31/2005	4/8/2005	
Aroclor 1232	EPA 3545/8082	5C31091	50	ND	0.995	3/31/2005	4/8/2005	
Aroclor 1242	EPA 3545/8082	5C31091	50	ND	0.995	3/31/2005	4/8/2005	
Aroclor 1248	EPA 3545/8082	5C31091	50	ND	0.995	3/31/2005	4/8/2005	
Aroclor 1254	EPA 3545/8082	5C31091	50	ND	0.995	3/31/2005	4/8/2005	
Aroclor 1260	EPA 3545/8082	5C31091	50	87	0.995	3/31/2005	4/8/2005	
Surrogate: Decachlorobiphenyl (45-120%)				81 %				
Sample ID: IOC2344-11 (C11-NW trans - Solid)								
Reporting Units: ug/kg								
Aroclor 1016	EPA 3545/8082	5C31091	250	ND	4.97	3/31/2005	4/8/2005	
Aroclor 1221	EPA 3545/8082	5C31091	250	ND	4.97	3/31/2005	4/8/2005	
Aroclor 1232	EPA 3545/8082	5C31091	250	ND	4.97	3/31/2005	4/8/2005	
Aroclor 1242	EPA 3545/8082	5C31091	250	ND	4.97	3/31/2005	4/8/2005	
Aroclor 1248	EPA 3545/8082	5C31091	250	ND	4.97	3/31/2005	4/8/2005	
Aroclor 1254	EPA 3545/8082	5C31091	250	ND	4.97	3/31/2005	4/8/2005	
Aroclor 1260	EPA 3545/8082	5C31091	250	870	4.97	3/31/2005	4/8/2005	
Surrogate: Decachlorobiphenyl (45-120%)				94 %				
Sample ID: IOC2344-12 (C12-West trans - Solid)								
Reporting Units: ug/kg								
Aroclor 1016	EPA 3545/8082	5C31091	50	ND	1	3/31/2005	4/8/2005	
Aroclor 1221	EPA 3545/8082	5C31091	50	ND	1	3/31/2005	4/8/2005	
Aroclor 1232	EPA 3545/8082	5C31091	50	ND	1	3/31/2005	4/8/2005	
Aroclor 1242	EPA 3545/8082	5C31091	50	ND	1	3/31/2005	4/8/2005	
Aroclor 1248	EPA 3545/8082	5C31091	50	ND	1	3/31/2005	4/8/2005	
Aroclor 1254	EPA 3545/8082	5C31091	50	ND	1	3/31/2005	4/8/2005	
Aroclor 1260	EPA 3545/8082	5C31091	50	180	1	3/31/2005	4/8/2005	
Surrogate: Decachlorobiphenyl (45-120%)				35 %				
Z								

Z

Del Mar Analytical, Irvine
Sushmitha Reddy For Lisa Reightley
Project Manager

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Enovis, Inc.
 1525 Hampton Hall Drive #16
 Chesterfield, MO 63005
 Attention: Andy Lewis

Project ID: Golder Associates
 053-8110.0002
 Report Number: IOC2344

Sampled: 03/29/05
 Received: 03/30/05

POLYCHLORINATED BIPHENYLS (EPA 8082)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOC2344-13 (G13-West trans - Solid)								
Reporting Units: ug/kg								
Aroclor 1016	EPA 3545/8082	5C31091	370	ND	7.44	3/31/2005	4/8/2005	
Aroclor 1221	EPA 3545/8082	5C31091	370	ND	7.44	3/31/2005	4/8/2005	
Aroclor 1232	EPA 3545/8082	5C31091	370	ND	7.44	3/31/2005	4/8/2005	
Aroclor 1242	EPA 3545/8082	5C31091	370	ND	7.44	3/31/2005	4/8/2005	
Aroclor 1248	EPA 3545/8082	5C31091	370	ND	7.44	3/31/2005	4/8/2005	
Aroclor 1254	EPA 3545/8082	5C31091	370	ND	7.44	3/31/2005	4/8/2005	
Aroclor 1260	EPA 3545/8082	5C31091	370	1000	7.44	3/31/2005	4/8/2005	
Surrogate: Decachlorobiphenyl (45-120%)				85 %				
Sample ID: IOC2344-14 (G14-NW trans - Solid)								
Reporting Units: ug/kg								
Aroclor 1016	EPA 3545/8082	5D03016	340	ND	6.85	4/3/2005	4/5/2005	
Aroclor 1221	EPA 3545/8082	5D03016	340	ND	6.85	4/3/2005	4/5/2005	
Aroclor 1232	EPA 3545/8082	5D03016	340	ND	6.85	4/3/2005	4/5/2005	
Aroclor 1242	EPA 3545/8082	5D03016	340	ND	6.85	4/3/2005	4/5/2005	
Aroclor 1248	EPA 3545/8082	5D03016	340	ND	6.85	4/3/2005	4/5/2005	
Aroclor 1254	EPA 3545/8082	5D03016	340	ND	6.85	4/3/2005	4/5/2005	
Aroclor 1260	EPA 3545/8082	5D03016	340	660	6.85	4/3/2005	4/5/2005	
Surrogate: Decachlorobiphenyl (45-120%)				84 %				
Sample ID: IOC2344-15 (SI-6' Northside elevator pit - Soil)								
Reporting Units: ug/kg								
Aroclor 1016	EPA 3545/8082	5C31091	50	ND	0.996	3/31/2005	4/2/2005	
Aroclor 1221	EPA 3545/8082	5C31091	50	ND	0.996	3/31/2005	4/2/2005	
Aroclor 1232	EPA 3545/8082	5C31091	50	ND	0.996	3/31/2005	4/2/2005	
Aroclor 1242	EPA 3545/8082	5C31091	50	ND	0.996	3/31/2005	4/2/2005	
Aroclor 1248	EPA 3545/8082	5C31091	50	ND	0.996	3/31/2005	4/2/2005	
Aroclor 1254	EPA 3545/8082	5C31091	50	ND	0.996	3/31/2005	4/2/2005	
Aroclor 1260	EPA 3545/8082	5C31091	50	ND	0.996	3/31/2005	4/2/2005	
Surrogate: Decachlorobiphenyl (45-120%)				79 %				

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 Sushmitha Reddy For Lisa Reightley
 Project Manager

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Enovis, Inc.
1525 Hampton Hall Drive #16
Chesterfield, MO 63005
Attention: Andy Lewis

Project ID: Golder Associates
053-8110.0002
Report Number: IOC2344

Sampled: 03/29/05
Received: 03/30/05

POLYCHLORINATED BIPHENYLS (EPA 8082)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOC2344-16 (S1B-20' SW side elevator pit - Soil)								
Reporting Units: ug/kg								
Aroclor 1016	EPA 3545/8082	5C31091	50	ND	0.995	3/31/2005	4/2/2005	
Aroclor 1221	EPA 3545/8082	5C31091	50	ND	0.995	3/31/2005	4/2/2005	
Aroclor 1232	EPA 3545/8082	5C31091	50	ND	0.995	3/31/2005	4/2/2005	
Aroclor 1242	EPA 3545/8082	5C31091	50	ND	0.995	3/31/2005	4/2/2005	
Aroclor 1248	EPA 3545/8082	5C31091	50	ND	0.995	3/31/2005	4/2/2005	
Aroclor 1254	EPA 3545/8082	5C31091	50	ND	0.995	3/31/2005	4/2/2005	
Aroclor 1260	EPA 3545/8082	5C31091	50	ND	0.995	3/31/2005	4/2/2005	
Surrogate: Decachlorobiphenyl (45-120%)				81 %				

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Sushmitha Reddy For Lisa Reightley
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METHOD BLANK/QC DATA

EXTRACTABLE FUEL HYDROCARBONS (CADHS/8015 Modified)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5C31060 Extracted: 03/31/05									
Blank Analyzed: 04/01/2005 (5C31060-BLK1)									
DRO (C13 - C22)	ND	5.0	mg/kg						
ORO (C23-C32)	ND	5.0	mg/kg						
EFH (C13 - C40)	ND	5.0	mg/kg						
Surrogate: n-Octacosane	5.88		mg/kg	6.67		88	40-130		
LCS Analyzed: 04/01/2005 (5C31060-BS1)									
EFH (C13 - C40)	16.6	5.0	mg/kg	25.8		64	40-120		
Surrogate: n-Octacosane	5.01		mg/kg	6.67		75	40-130		
Matrix Spike Analyzed: 04/01/2005 (5C31060-MS1)					Source: IOC2139-01				
EFH (C13 - C40)	22.4	5.0	mg/kg	25.8	ND	87	30-125		
Surrogate: n-Octacosane	5.92		mg/kg	6.66		89	40-130		
Matrix Spike Dup Analyzed: 04/01/2005 (5C31060-MSD1)					Source: IOC2139-01				
EFH (C13 - C40)	20.6	5.0	mg/kg	25.8	ND	80	30-125	8	30
Surrogate: n-Octacosane	5.72		mg/kg	6.66		86	40-130		

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METHOD BLANK/QC DATA

POLYCHLORINATED BIPHENYLS (EPA 8082)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5C31091 Extracted: 03/31/05										
Blank Analyzed: 04/04/2005 (5C31091-BLK1)										
Aroclor 1016	ND	50	ug/kg							
Aroclor 1221	ND	50	ug/kg							
Aroclor 1232	ND	50	ug/kg							
Aroclor 1242	ND	50	ug/kg							
Aroclor 1248	ND	50	ug/kg							
Aroclor 1254	ND	50	ug/kg							
Aroclor 1260	ND	50	ug/kg							
Surrogate: Decachlorobiphenyl	34.3		ug/kg	33.3		103	45-120			
LCS Analyzed: 04/04/2005 (5C31091-BS1)										
Aroclor 1016	241	50	ug/kg	267		90	60-115			
Aroclor 1260	277	50	ug/kg	267		104	60-115			
Surrogate: Decachlorobiphenyl	33.8		ug/kg	33.3		102	45-120			
LCS Dup Analyzed: 04/04/2005 (5C31091-BSD1)										
Aroclor 1016	241	50	ug/kg	267		90	60-115	0	20	
Aroclor 1260	278	50	ug/kg	267		104	60-115	0	20	
Surrogate: Decachlorobiphenyl	33.8		ug/kg	33.3		102	45-120			
Matrix Spike Analyzed: 04/05/2005 (5C31091-MS1)										
					Source: IOC2400-01					
Aroclor 1016	244	50	ug/kg	267	ND	91	50-120			
Aroclor 1260	318	50	ug/kg	267	ND	119	50-120			
Surrogate: Decachlorobiphenyl	40.2		ug/kg	33.4		120	45-120			
Matrix Spike Dup Analyzed: 04/05/2005 (5C31091-MSD1)										
					Source: IOC2400-01					
Aroclor 1016	235	50	ug/kg	264	ND	89	50-120	4	30	
Aroclor 1260	277	50	ug/kg	264	ND	105	50-120	14	30	
Surrogate: Decachlorobiphenyl	33.7		ug/kg	33.0		102	45-120			

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METHOD BLANK/QC DATA

POLYCHLORINATED BIPHENYLS (EPA 8082)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5D03016 Extracted: 04/03/05										
Blank Analyzed: 04/05/2005 (5D03016-BLK1)										
Aroclor 1016	ND	50	ug/kg							
Aroclor 1221	ND	50	ug/kg							
Aroclor 1232	ND	50	ug/kg							
Aroclor 1242	ND	50	ug/kg							
Aroclor 1248	ND	50	ug/kg							
Aroclor 1254	ND	50	ug/kg							
Aroclor 1260	ND	50	ug/kg							
Surrogate: Decachlorobiphenyl	32.4		ug/kg	33.3		97	45-120			
LCS Analyzed: 04/05/2005 (5D03016-BS1)										
Aroclor 1016	227	50	ug/kg	267		85	60-115			
Aroclor 1260	259	50	ug/kg	267		97	60-115			
Surrogate: Decachlorobiphenyl	32.2		ug/kg	33.3		97	45-120			
LCS Dup Analyzed: 04/05/2005 (5D03016-BS1)										
Aroclor 1016	232	50	ug/kg	267		87	60-115	2	20	
Aroclor 1260	261	50	ug/kg	267		98	60-115	1	20	
Surrogate: Decachlorobiphenyl	32.3		ug/kg	33.3		97	45-120			
Matrix Spike Analyzed: 04/05/2005 (5D03016-MS1)										
Aroclor 1016	162	50	ug/kg	267	ND	61	50-120			
Aroclor 1260	189	50	ug/kg	267	ND	71	50-120			
Surrogate: Decachlorobiphenyl	21.9		ug/kg	33.4		66	45-120			
Matrix Spike Dup Analyzed: 04/05/2005 (5D03016-MSD1)										
Aroclor 1016	97.4	50	ug/kg	267	ND	36	50-120	50	30	M2, R-3
Aroclor 1260	126	50	ug/kg	267	ND	47	50-120	40	30	M2, R-3
Surrogate: Decachlorobiphenyl	16.0		ug/kg	33.4		48	45-120			

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DATA QUALIFIERS AND DEFINITIONS

M2 The MS and/or MSD were below the acceptance limits due to sample matrix interference. See Blank Spike (LCS).
R-3 The RPD exceeded the method control limit due to sample matrix effects.
RL-1 Reporting limit raised due to sample matrix effects.
Z Due to sample matrix effects, the surrogate recovery was below the acceptance limits.
ND Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.
RPD Relative Percent Difference

ADDITIONAL COMMENTS

For Extractable Fuel Hydrocarbons (EFH, DRO, ORO) :

Unless otherwise noted, Extractable Fuel Hydrocarbons (EFH, DRO, ORO) are quantitated against a Diesel Fuel Standard.

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Certification Summary

Del Mar Analytical, Irvine

Method	Matrix	Nelac	California
EPA 3545/8082	Soil	X	X
EPA 8015B MOD.	Soil	X	X

Nevada and NELAP provide analyte specific accreditations. Analyte specific information for Del Mar Analytical may be obtained by contacting the laboratory or visiting our website at www.dmalabs.com.

Del Mar Analytical, Irvine
Sushmitha Reddy For Lisa Reightley
Project Manager

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IOC2344 <Page 13 of 13>

**REPORT OF
PHASE I ENVIRONMENTAL SITE ASSESSMENT

FORMER ZERO CORPORATION FACILITY

777 NORTH FRONT STREET
BURBANK, CALIFORNIA**

**Prepared for:

NORTHRIDGE PROPERTIES, LLC

North Hills, California**

**April 5, 2005

MACTEC Project 4951-04-3101**





April 5, 2005

Mr. Alan Skobin
Northridge Properties, LLC
15505 Roscoe Boulevard
North Hills, California 91343

**Subject: Report of Phase I Environmental Site Assessment
Former Zero Corporation Facility
777 North Front Street
Burbank, California
MACTEC Project 4951-04-3101**

Dear Mr. Skobin:

Attached is our report of Phase I Environmental Site Assessment (ESA) for the above-referenced site. In performing the Phase I ESA, we evaluate whether activities at the site or nearby properties may have contaminated the site's soil or ground water.

Our professional services have been performed using that degree of care and skill ordinarily exercised, under similar circumstances, by reputable environmental consultants practicing in this or similar localities at the time of service. This warranty is in lieu of all other warranties, expressed or implied. This report has been prepared for Northridge Properties, LLC to be used solely in evaluating potential environmental implications at the subject site. The report has not been prepared for use by other parties, and may not contain sufficient information for purposes of other parties or other uses. However, applicable federal, state and local regulatory agencies may rely on this report.

We appreciate the opportunity to work with you on this project. Please contact us if you have any questions or if we may be of further service.

Respectfully submitted,

MACTEC Engineering and Consulting, Inc.

A handwritten signature in black ink, appearing to read "Matt Fraychineaud".

Matt Fraychineaud, R.G. 7144
Senior Geologist

A handwritten signature in black ink, appearing to read "Michael Dhunjishah".

by with permission

Michael Dhunjishah, P.E.
Senior Principal Engineer

(6 copies submitted)

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**REPORT OF
PHASE I ENVIRONMENTAL SITE ASSESSMENT**

FORMER ZERO CORPORATION FACILITY

**777 NORTH FRONT STREET
BURBANK, CALIFORNIA**

Prepared for:

NORTHRIDGE PROPERTIES, LLC

North Hills, California

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MACTEC Project 4951-04-3101

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EXECUTIVE SUMMARY

Northridge Properties, LLC engaged MACTEC Engineering and Consulting, Inc. (MACTEC) to perform a Phase I Environmental Site Assessment (ESA) of the proposed former Zero Corporation facility (subject site) located at 777 North Front Street in Burbank, Los Angeles County, California. Our services were provided in general accordance with our Proposal 4951-04-9580 dated October 6, 2004.

This executive summary is a synopsis of findings based on our Phase I ESA. For detailed information regarding the findings, please refer to the text of our report.

The subject site is located on the west side of the Golden State Freeway (I-5) and south of Burbank Boulevard in the City of Burbank, Los Angeles County, California. The irregular-shaped site is situated in an area occupied by retail and commercial/light industrial businesses. The site is covered with concrete slabs which are remnants of large buildings that were recently demolished. The remainder of the site (portions along the eastern edge) is covered with asphalt-concrete paving. Concrete tilt-up walls, which surround electrical transformer rooms, are the only vertical structures that remain on the site. The northern portion of the site is bordered by large retaining walls due to the elevation difference between the site and the surrounding properties.

Our historical research indicates that the site consisted primarily of undeveloped land up through 1930. From approximately 1930 to 1940, a portion of the site was occupied by General Water Heater Corporation, a manufacturer of water heaters. Between approximately 1940 and 1965, a majority of the site was occupied by General Water Heater Corporation. Zero Manufacturing Company, a manufacturer of metal and aluminum containers/cases, occupied the site from approximately 1965 to 1991 when manufacturing operations were discontinued. The site was then used for storage and filming purposes through 2002. Thereafter, the site was unoccupied. The on-site buildings were demolished in 2004.

Our Phase I ESA included a review of various federal, state and local regulatory records and a review of numerous environmental reports. The subject site and many nearby properties appeared on the databases that we reviewed. The site is part of a federal Superfund Site. Assessment and remediation activities at the site achieved regulatory closure in 2001 and a formal certificate of completion in 2002.

We have performed a Phase I ESA of the former Zero Corporation facility (subject site) located in Burbank, California. The scope of work was performed in general conformance with the scope and limitations of ASTM E 1527-00. Any exceptions to, or deletions from, the ASTM E 1527-00 scope is described in Section 2.2 of this report.

This assessment has revealed no evidence of recognized environmental conditions (RECs) in connection with the subject site except for the following:

Superfund Site. The site is located within the boundaries of a National Priorities List Superfund Site which addresses regional groundwater contamination. The Superfund Site is separated into four areas managed by the U.S. Environmental Protection Agency (EPA). The area in which the site is located is known as San Fernando Valley Area 2 (Crystal Springs). The former owner of the site, Zero Corporation (now known as APW North America, Inc.), is an identified potentially responsible party in the Superfund Site based on alleged hazardous substance releases from past manufacturing operations at the site. The Superfund Site is a long-term environmental issue for this site and the surrounding region. However, in connection with its acquisition of the site, the current owner, Ford Leasing Development Company, obtained an Agreement and Covenant Not to Sue (commonly known as a prospective purchaser agreement) from the U.S. EPA. In addition, many years of on-site assessment and remediation activities have occurred. These activities were conducted by the former owner under the regulatory oversight of the Los Angeles Regional Water Quality Control Board (RWQCB), which was officially designated in 1998 to serve as the administering agency for this site under the California law for Unified Agency Review of Hazardous Materials Release Sites. The RWQCB issued a “no further requirements” letter in 2001 and a formal “certificate of completion” was issued in 2002 by the RWQCB under the Unified Agency Review law.



1.0 INTRODUCTION

Northridge Properties, LLC engaged MACTEC Engineering and Consulting, Inc. (MACTEC) to perform a Phase I Environmental Site Assessment (ESA) of the former Zero Corporation facility (subject site) located at 777 North Front Street in Burbank, Los Angeles County, California. This report was prepared for the exclusive use of Northridge Properties, LLC (and applicable federal, state and local regulatory agencies), in general accordance with our Proposal 4951-04-9580, dated October 6, 2004. If other parties wish to rely on this report, please have them contact us, so we can execute a secondary client agreement.

2.0 PURPOSE, SCOPE, AND REPORT FORMAT

2.1 PURPOSE

The purpose of the Phase I ESA was to identify recognized environmental conditions (RECs) arising from activities on the subject site or nearby properties. Activities of concern are those that may have contaminated, or have the potential to contaminate, the subject site's soil or ground water. The purpose of this assessment was not to determine the actual presence, degree, or extent of contamination, if any, on the site. Such a determination would require additional exploratory work.

2.2 SCOPE OF WORK

A Phase I ESA is intended to be a general characterization of selected environmental concerns. The characterization is based on readily ascertainable information and subject site observations. The assessment included the following services:

- **Geology, Surface Drainage, and Ground-Water Flow Assessment** — We reviewed available information regarding the geology, surface drainage, and ground-water flow within the area of the site. An interpretive model of the subject property was then generated based on the information gathered. The interpretive model was then used to identify possible pathways along which contaminants, if present, may migrate.
- **Site and Area Reconnaissance** — We visited the site and surrounding area to document observations of conditions on and near the site. We looked for obvious indications of activities that may have contaminated, or have the potential to contaminate the site's soil or ground water. We did not enter off site properties.

- **Historical Review** — We reviewed past activities that occurred on or near the site to assess whether these past activities may have contaminated the site's soil or ground water.
- **Regulatory Agency Lists Review** — We reviewed site-specific excerpts from lists published by environmental regulatory agencies. We looked for listed information on the site or nearby properties that indicated known or suspected environmental concerns. If nearby properties were listed, we assessed their potential for contaminating the site's soil or ground water.
- **Document Review** — We reviewed environmental, legal and real estate documents that were provided by Northridge Properties, LLC related to the subject site and some adjacent properties.

Our scope of services did not include the sampling or laboratory analysis of soil, ground water, or other materials.

2.3 REPORT FORMAT

Our report contains the following assessment sections:

- Geology, Surface Drainage, and Ground-Water Flow
- Site and Area Reconnaissance
- Historical Review
- Regulatory Agency Lists Review
- Document Review

An evaluation section includes conclusions based on the assessment sections. A statement of interpretive limitations follows the conclusions section.

3.0 GEOLOGY, SURFACE DRAINAGE, AND GROUND-WATER FLOW

A consideration of surface and subsurface drainage and geology are of interest because they provide an indication of the direction that contaminants, if present, could be transported. We reviewed the following information regarding the hydrogeology of the site and surrounding area:

3.1 SURFACE DRAINAGE

The subject site is relatively flat with an average elevation of approximately 580 feet above mean sea level (msl). The nearest significant drainage feature is the Burbank Western Channel which runs along the southwestern boundary of the site and drains toward the southeast. The Los Angeles River is located approximately 1.8 miles south of the site and drains toward the east before turning south

near Glendale Narrows. The nearest reservoir to the site is Burbank No. 1 reservoir located approximately 1.2 miles to the northeast (Thomas Guide, 2003).

3.2 GEOLOGY

The site is situated within the eastern San Fernando Valley. The San Fernando Valley is an alluvium-filled basin, approximately 23 miles wide and 12 miles long. The alluvium is mainly derived from the Santa Monica Mountains to the south, the Santa Susana Mountains to the north, the Simi Hills to the west, the San Gabriel Mountains to the northeast, and the Verdugo Mountains to the east. Regionally, the site is located in the Transverse Ranges geomorphic province. The province is bounded by the Big Pine fault on the north, the San Andreas fault zone on the east, the Pacific Ocean on the west, and the Santa Monica, Raymond, Sierra Madre, and Cucamonga faults on the south. The province is characterized by east-west trending mountain ranges that include the Santa Ynez, San Gabriel, San Bernardino, and Santa Monica Mountains and associated valleys. In particular, the site is located on an alluvial fan to the southwest of the Verdugo Mountains.

In general, the geologic materials beneath the site include recent Holocene-age to Pleistocene-age alluvial fan deposits derived from the Verdugo Mountains. The alluvium consists of sand with silty sand, and silt and gravel. Holocene alluvium in the San Fernando Valley reaches a maximum thickness of 900 feet in the Burbank area (California Department of Water Resources, 2004).

3.3 GROUND WATER

Two important factors affecting the ground-water flow are the local topography (the slope of the land surface) and the depositional direction (the direction in which water-bearing sediments were deposited). The topography and depositional direction are important because they influence the net direction of ground-water flow, although, in some situations, other factors (such as faults, bedrock structures, and local ground-water pumping and/or injection) may override them. Ground-water flow is a major factor in the spread of contaminants underground.

The site is located within Township 1 North, Range 14 West (T1N R14W), Section 11 of the USGS Burbank Topographic Quadrangle (1966). Water level measurements for Los Angeles County Well No. 3882P, located approximately ¼ mile east of the site, indicate the depth to ground water was 69.2 feet below ground surface (bgs) in November 1987 (County of Los Angeles, 2004). In addition, water level measurements for Los Angeles County Well No. 3871G, located approximately ½ mile west of

the site, indicate the depth to ground water was 109.7 feet below ground surface (bgs) in April 1997 (County of Los Angeles, 2004). However, the Seismic Hazard Evaluation for the Burbank Quadrangle (1998) indicates that the highest historical ground water in the area was between 20 and 30 feet bgs. Measurements from ground-water monitoring wells that formerly existed on the site indicated ground-water levels fluctuated between approximately 95 and 120 feet bgs between 1992 and 2001 (HGC).

Based on the local topography, geomorphology, and depositional direction of geologic materials, the direction of the local ground water is interpreted to have a general gradient toward the south to southeast. It is anticipated that regional ground-water in the vicinity of the site flows in this direction. However, due to local ground-water pumping, depositional direction, and shallow bedrock conditions interpreted to exist beneath the site, the ground-water flow direction could vary significantly. In addition, it is possible that local subsurface conditions, the presence of perched ground water and/or local bodies of water may have an influence on the direction of ground-water flow.

3.4 POTENTIAL PATHWAYS FOR CONTAMINANT MIGRATION

Local pathways of contaminant migration probably follow the topography, the ground-water gradient, the depositional direction, and/or the orientation of bedrock joints and fractures. The contaminant sources most likely to affect the site are either upgradient, up slope (of the surface drainage), opposite the depositional direction, and/or along bedrock structure trends. Based on the information presented above, it is our opinion that the probable direction of contaminant migration underground is toward the south to southeast, which is the anticipated direction of shallow ground-water flow.

3.5 OIL AND GAS WELLS

Oil and gas wells are considered as potential concerns when they seep oil or gas, are not abandoned to current regulations, or have associated surface contamination. They may also be associated with methane and hydrogen sulfide hazards. This section discusses the oil wells reported on the records we reviewed. Unreported “wildcat” oil wells could be on or near the site.

The site is not within an identified oil field. There are two wells approximately 1 mile southeast of the site. The Henry E. Luttcg Well was drilled in 1917 to a depth of 1,700 feet bgs and is plugged and abandoned. The Jeffrey, Overton & Halfhill Well was drilled in 1926 to a depth of 1,003 feet bgs and is now considered idle.

Considering the limited amount of documented oil exploration activities in the Burbank area and the associated results (“plugged and abandoned – dry hole”), in our opinion, there is a low likelihood that undocumented oil exploration activities occurred on the site. Additionally, the presence of subsurface methane or hydrogen sulfide gases resulting from oil exploration is also considered to be low.

4.0 SITE AND AREA RECONNAISSANCE

In performing the site and area reconnaissance, our assessor describes the site and looks for obvious signs of items that may be a source of environmental concern, such as aboveground storage tanks (ASTs), underground storage tanks (USTs), hazardous materials, and hazardous wastes.

Some of the items or activities we observe on the site may be associated with environmental concerns. Certain businesses or occupations may typically use hazardous substances or create hazardous waste. Storage tanks may leak and contaminate soil and ground water. Other signs of potential environmental concerns include unusual odors, pools of liquids, drums, unidentified containers, items that may contain polychlorinated biphenyls (PCBs), stains or corrosion, and drains or sumps.

Mr. Matt Fraychineaud, a MACTEC environmental professional experienced in similar site assessments, performed the reconnaissance on October 22 and 25, 2004. We were not escorted during the site visit.

The site and surrounding vicinity is depicted on Figure 1, Site Location Map. Figure 2, Site and Vicinity Sketch, shows the site and surrounding property uses. Figure 3, Site Plan, shows the general site conditions documented during the reconnaissance.

4.1 SITE RECONNAISSANCE

4.1.1 Site Description

The subject site is located on the west side of the Golden State Freeway (I-5) and south of Burbank Boulevard in the City of Burbank, Los Angeles County, California. The irregular-shaped site is situated in an area occupied by retail and commercial/light industrial businesses. The site is covered

with concrete slabs which are remnants of large buildings that were recently demolished. The remainder of the site (portions along the eastern edge) is covered with asphalt-concrete paving. Concrete tilt-up walls, which surround electrical transformer rooms, are the only vertical structures that remain on the site. The northern portion of the site is bordered by large retaining walls due to the elevation difference between the site and the surrounding properties. Photographs of the site are included in Appendix A.

For purposes of describing the site in this section, we make reference to Figure 9 – Locations of Multi-Level Soil Vapor Monitoring Probes, dated March 17, 2000, from a report prepared by Hydro Geo Chem, Inc. (HGC). The buildings in the referenced figure, which we used in the field during the site reconnaissance, are identified by building numbers as also shown in our report on Figure 3 - Site Plan.

4.1.2 Aboveground and Underground Storage Tanks

Our assessor looks for obvious evidence of aboveground storage tanks (ASTs) and underground storage tanks (USTs), such as vent pipes, fill caps, or fuel pumps. Agency information regarding storage tanks is discussed in Section 6.0 (Regulatory Agency Lists Review) of this report.

We did not observe indications of existing ASTs or USTs on the subject site during the reconnaissance.

4.1.3 Hazardous Substances and Petroleum Products

We did not observe hazardous materials, chemicals or petroleum products stored at the subject site during our reconnaissance. We observed one empty, 55-gallon drum within the former Building 14 area that had some residual staining inside. We also observed a few oil or grease stains on the concrete slab in a few areas on the site. These small stains were likely from the large equipment that was used in demolishing the on-site buildings.

4.1.4 Solid Waste

During our reconnaissance, we did not observe significant amounts of debris on the site other than some miscellaneous trash (e.g., paper and plastic) and some remnant construction debris from the

building demolition activities. We did not observe indications of unauthorized dumping such as debris piles.

4.1.5 Electrical Transformers

We observed several pad-mounted electrical transformers on the site during our reconnaissance. The following table provides detailed information on the locations and observations.

LOCATION	NUMBER OF TRANSFORMERS	OBSERVATIONS
Southeast Corner of Building 13 (Transformer Room)	3	Moderate staining on concrete base pad and surrounding aggregate base material. "No PCB" labels affixed to each transformer.
East Side of Building 13 (Fenced Transformer Enclosure)	3	Moderate staining on concrete base pad and surrounding aggregate base material. "No PCB" labels affixed to each transformer.
Near Southwest Corner of Building 10	3	Moderate staining on concrete base pad and surrounding aggregate base material. No labels identified pertaining to PCB status.
Southeast Corner of Building 11 (Transformer Room)	3	Moderate to heavy staining on concrete base pad and surrounding aggregate base material. No labels identified pertaining to PCB status.

The presence of stained concrete and aggregate base material in the above-described areas indicates that leaks or spills have occurred in the past. The transformers in two of the four locations contained labels stating that they were tested and found to contain no PCBs (below 50 parts per million).

In 1997, Law/Crandall (now MACTEC) collected shallow subsurface soil samples adjacent to four transformer equipment locations. The soil samples were analyzed for the presence of PCBs. The analytical results showed that PCBs were not present above the laboratory reporting limits.

4.1.6 Water Supply

The site is currently vacant. Therefore, it is likely that the main water supply line valves were disconnected (turned off) prior to the commencement of building demolition activities. The City of Burbank Water and Power (BWP) provides water to properties within the City of Burbank. According to Mr. Jim Lovell with the BWP, the agency obtains approximately 95 percent of its water from the Metropolitan Water District and 5 percent from local ground water wells. Some or all of the well water apparently requires treatment prior to distribution into the municipal supply lines.

4.1.7 Waste Water

Waste water is not generated at the subject site. However, as discussed below, we observed several features (e.g., former clarifiers) that would indicate large quantities of waste water were generated at the site during previous manufacturing operations that ceased in 1991. As noted in Section 5.1 of this report, a building permit was issued in 1993 for the removal and/or abandonment of clarifiers on the site.

4.1.8 Wetlands

We did not observe obvious signs of the presence of wetlands on the site, i.e., open water or marshes. We did not observe symbols on the United States Geological Survey (USGS) maps indicating the presence of wetlands. According to the National Wetlands Inventory (U.S. Department of the Interior, 2004), there are no designated wetland areas located within the site boundaries.

4.1.9 Wells and Mine Shafts

We did not observe indications of existing wells or mine shafts on the site during our reconnaissance. However, we observed numerous circular patches in the concrete slab and asphalt paving surfaces where former wells (ground water or vapor) and soil borings were previously located.

4.1.10 Pits, Ponds and Lagoons

We observed several rectangular- and square-shaped patches in the building concrete slabs that were likely the former locations of pits used during previous operations at the site. In the central portion of former Building 14, we observed two breaks in the concrete slab. Beneath the slab appeared to be a large pit that was partially filled with liquid (possibly water from recent precipitation events). The pit dimensions were estimated to be 50 by 20 feet by approximately 10 feet deep. We were not able to determine the purpose of this covered pit which could also have served as a basement storage area due to the estimated size.

We also observed a hydraulic elevator pit in the northeast corner of former Building 10. We observed some minimal stains in the concrete pit. However, we did not observe obvious evidence of significant hydraulic fluid leaks associated with the equipment. We were not able to observe the subsurface conditions below the pit.

We observed several other areas throughout the site where former clarifiers and trenches associated with past manufacturing operations that had been filled and covered with concrete.

We did not observe indications of ponds or lagoons on the site during our reconnaissance.

4.1.11 Dry Cleaning Operation

We did not observe dry cleaning operations on the subject site.

4.2 AREA RECONNAISSANCE

The area reconnaissance helps us evaluate whether adjacent or nearby property uses may have contaminated the site. Our assessor conducted the reconnaissance by touring the area by automobile and viewing particular businesses from public rights of way, but did not enter off site properties. The findings of our area reconnaissance are discussed according to their direction from the site: north, east, south, and west. Please note that the directions referred to in this section are based on reference north, not true north, as indicated on Figures 2 and 3. All other directional references in this report are based on true north.

4.2.1 North

The subject site is bounded to the north by a tall, concrete retaining wall, on the north side of which is a landscaped slope and then Burbank Boulevard. A freeway onramp and offramp for the southbound lanes of the Golden State Freeway and landscaped areas are located on the opposite side of Burbank Boulevard.

4.2.2 East

Old Front Street forms the eastern boundary to the site. This street dead ends near the northern portion of the site approximately 50 feet south of Burbank Boulevard. The Golden State Freeway is located east of Old Front Street. The Media City Center (retail mall) is situated on the opposite side of the freeway further to the east.

4.2.3 South

San Jose Avenue, a narrow street segment, borders the site to the south. An asphalt-paved parking lot is situated on the south side of the street and is apparently used by employees of local businesses and the Metrolink trains. The Magnolia Boulevard overcrossing is located further to the south. Beyond Magnolia Boulevard is the Metrolink train station.

4.2.4 West

The site is bordered on the west by (from north to south) the Burbank Western Channel, a vacant strip of land between the site and New Front Street and New Front Street. Two railroad tracks, part of the Metrolink right-of-way (ROW), parallel New Front Street on the west. The properties on the west side of the ROW are occupied by the City of Burbank water reclamation facility, Swaner Hardwood Company and other commercial and light industrial operations. A concrete-lined flood control channel (Burbank Western Channel) runs parallel, and approximately 150 feet west of, the ROW. The channel then curves eastward and actually borders the northwestern end of the subject site near Burbank Boulevard.

4.2.5 Summary of Area Reconnaissance

We found no obvious evidence of activities on adjacent properties during our area reconnaissance that, in our opinion, may have contaminated soil or ground water at the site. However, due to the business operations in the general site vicinity (light industrial) and the regional ground-water contamination that is part of the Superfund Site, soil and ground water has apparently been impacted in the vicinity of the site from some of these businesses.

5.0 HISTORICAL REVIEW

In the historical review, we reviewed information on the past uses of the site and nearby properties. We assessed whether these uses may have contaminated the site's soil or ground water.

The earliest historical references we consult date from 1940 or from the first developed use of the site or nearby properties. Information sources we commonly use include aerial photographs, fire insurance maps, and United States Geological Survey (USGS) topographic maps. For a list of the

information sources used in this section, refer to the Information Sources list following the statement of limitations.

The historical review results in two histories: a history of the past use of the site and a history of the past use of the adjacent properties. Additional historical information may exist; therefore, alternative histories could be construed for the site and nearby properties.

Please note that all directions pertain to reference north, not true north.

5.1 PAST SITE USE

Topographic Maps

The 1902 and 1915 topographic maps depict the site as undeveloped land. However, it appears that two streets, which run parallel and perpendicular to the railroad ROW, may be located within the site boundaries. The 1926 and 1941 maps depict similar site conditions to the earlier maps.

The 1966 map shows the site occupied by most of the buildings that were recently demolished. However, the former location of Building 14 is occupied by a smaller, U-shaped building. Additionally, a rail spur from the ROW is situated adjacent to the western edge of the site next to the large buildings. The 1972 (photorevised) and 1994 maps depict conditions similar to those in existence prior to the recent demolition activities. Based on the topographic map review, former Building 14 was constructed between 1966 and 1972.

Sanborn® Maps

The 1941 and 1949 maps show the site occupied by the General Water Heater Corporation (water heater factory) facility. The southern portion of the site is occupied by offices while the central portion of the site (mostly the western half) is occupied by buildings identified as “boiler shop”, “storage” and “assembly, stock rooms and machine shop”. The use of another building is difficult to confirm due to the copy quality of the map. Map coverage for the northern portion of the site is not shown. The words “no exposure” is written along the edge where coverage ends.

The 1950 map shows similar conditions to the previous two map coverage years (1941 and 1949). However, one additional building is located on the central portion of the site. The use of this building

is not known due to the poor print quality of the map. The map for this specific year also covers the northern portion of the site which is occupied by a building labeled “metal working”.

Additional buildings and renovations to existing buildings are apparent on the 1957 and 1960 maps that provide coverage of the site. Two new buildings are located along the eastern edge of the site and are identified as “machine shop & engineering” and “heater & parts storage”. Another building where renovation activities occurred is labeled “vulcanizing & welding”.

The 1968 map shows the southern portion of the site occupied by a parking lot. The site is now occupied by Zero Production, Division of Zero Manufacturing, Inc. The configuration of the buildings on the central portion of the site is similar to that shown on the previous (1957 and 1960) maps. However, some renovation work and a few additional buildings are apparent. The metal working building on the northern portion of the site was apparently demolished and a larger building was constructed. The larger building is labeled “metal parts warehouse and machine shop”.

Based on the site conditions depicted on the 1970 map, it appears that significant remodeling and new construction activities occurred between 1968 and 1970. The buildings on the central portion of the site increased in size and appeared to be incorporated into two large buildings. A new building was also constructed on the southern portion of the site (former Building 14). The occupant(s) of the site was identified, from north to south, as: “Zero Foam Products, a Division of Zero Manufacturing Co.”, “Ocean Technology, Inc.”, “Zero Manufacturing Co.” and “Zero Honeycomb Structures, Division of Zero Manufacturing Co.”. The products manufactured on the site were described as “foam” and “metal”.

Aerial Photographs

The 1928 aerial photograph shows the site as mostly undeveloped land. However, it appears that one residential street may cross the southern portion of the site and the eastern portion of the site is possibly occupied by single-family residences.

The 1940 aerial photograph shows the southern and northern portions of the site as undeveloped land. Large buildings on the central portion of the site (likely the General Water Heater complex) and portions of a few single-family residential properties occupy the central portion of the site.

The 1956 and 1965 aerial photographs show site conditions similar to those described on the 1957 and 1960 Sanborn® maps.

The site conditions depicted on the 1976, 1989, 1994 and 2002 aerial photographs are similar to those described on the 1970 Sanborn® map and the conditions of the site prior to demolition activities.

City Directories

The subject site address (777 North Front Street) was not listed in the EDR city directory abstract report between the years 1920 and 1966. [Note: No data was reported for 1922, 1941, 1943, 1953 and 1959]. Between 1967 and 1991, the listed occupants included Ocean Technology, Inc., Zero Manufacturing Company (Metal Box Manufacturers), Zero Halliburton Burbank, Dacobas and MSH Technologies. The 1995 list identifies the site occupant as Western Moving & Storage, Inc. In 2001, the tenants were listed as Productions and Showmaker.

Building Permits

We visited the City of Burbank Building Department to review available permits for the subject site address. The table below provides a summary of selected permits that we reviewed.

Year	Permit/Document Description
1964	Geotechnical report for proposed 4-story building.
1965	Certificate of occupancy issued to Zero Mfg. Corp.
1965	Industrial Waste Application for Discharge from hot water rinse/spray tanks. Waste described as "soap cleaner rinse", "alkali aluminum etch (caustic)" and "chromate rinse".
1967	Letter from Mobil Oil Corporation objecting to Zero Mfg. Co.'s proposed construction of a building over their existing pipeline.
Post 1970	Building plan showing locations of clarifiers, metal cleaning tanks and paint booths in the various buildings.
c. 1987	Permit to remove two 5,000-gallon, gasoline USTs. "No Compaction" written in Description of Work portion of the form. A site plan indicates the USTs were located on the west side of either former Buildings 10 or 15.
1993	Permit to remove one clarifier and cap off in-place four clarifiers.
1995	Permit issued for filming.
1996	Permit indicates owner as "Front Street Studios". Building use identified as film studio.
Unknown	Building plan showing electrical diagram and equipment locations inside former Building 11. The building contained one can washer, six toggle presses and 11 hydraulic presses.

Several permits were issued to Zero Manufacturing in the 1960s and 1970s for additions and other remodeling activities at the site.

Summary of Site History

Based on our review of historical documents, we have prepared the following summary of past site uses. The timeframes are approximate and the property use description is approximated.

- Prior to 1930: Generally undeveloped land.
- c. 1930 -1940: Portion of the site occupied by General Water Heater Corporation.
- 1940 – 1965: Site occupied by General Water Heater Corporation for manufacturing water heaters.
- 1965 – 1991: Site occupied by Zero Manufacturing company for the production of metal containers.
- 1991 – 2002: Site used as a storage facility and for the production of films and movies.
- 2002 – Present: Unoccupied.

Copies of selected documents are included in Appendix B, Historical References.

5.2 PAST USE OF SURROUNDING PROPERTIES

The following information was obtained from our historical research pertaining to properties surrounding the subject site:

- North: The 1902 and 1915 topographic maps show Burbank Boulevard located on the north side of the site. The 1926 and 1941 topographic maps and the 1928 and 1940 aerial photographs show some buildings (likely residential) situated north of the street. By 1965, the Golden State Freeway was constructed and the properties on the north side of Burbank Boulevard were occupied by the onramp/offramp areas which are the same as current conditions.
- East: The 1902, 1915 and 1926 topographic maps show the properties east of the site occupied by streets and some residential buildings. The 1928 and 1940 aerial photographs show the adjacent property developed with single-family residences. These residential neighborhoods were demolished for the construction of a two-lane divided highway that is first noted on the 1956 aerial photograph. This highway was eventually widened for the construction of the Golden State Freeway which currently occupies the property east of the site (beyond Old Front Street). The Media Center Mall, located on the east side of the freeway, was constructed by 1994.
- South: The 1902, 1915 and 1926 topographic maps and the 1928 and 1940 aerial photographs show the properties south of the site occupied by streets and some residential/commercial buildings. Magnolia Avenue was noted on the 1902 topographic map further to the south. The residential/commercial areas were generally demolished for the construction of the divided highway and eventually the Golden State Freeway. The 1956 aerial photograph and remaining references generally show conditions similar to the present for properties located south of the site.

- West: The 1902, 1915, 1926 and 1941 topographic maps and the 1928 and 1940 aerial photographs show the Southern Pacific Railroad tracks located on the property west of the site. Additionally, the Sanborn maps show two rail spurs located on the adjacent property near the existing buildings. Beyond is mostly undeveloped land. By 1956, as noted on the aerial photograph from that year, the drainage channel had been reconfigured and lined with concrete. The properties between the railroad tracks and the channel remained undeveloped while the properties west of the channel consisted of commercial buildings and undeveloped land. By 1976, the properties west of the site resembled present-day conditions.

6.0 REGULATORY AGENCY LISTS REVIEW

We reviewed excerpts of federal, state, and local environmental regulatory agency lists for those properties which were within the search ranges as noted in the excerpts that were prepared by EDR, an environmental data search firm. Due to the size of the subject site, the search radius for each list was extended by 1/8 mile.

EDR revises their lists periodically when they receive updates from the agencies. The date of the latest revision is shown on their report, which is appended to this report as Appendix C, The EDR-Radius Map with GeoCheck®. The EDR report also summarizes the origin and purpose of each list.

Please note that regulatory listings are limited and include only those sites that are known to the regulatory agencies at the time of publication to be contaminated or in the process of evaluation for potential contamination.

6.1 FEDERAL CONTACTS

Environmental Protection Agency (EPA) National Priorities List (NPL), dated 7/30/04

The Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) established the National Priorities List (NPL) of federal "Superfund" Sites. This list identifies Superfund Sites that have been designated as national priority clean-up sites and targeted for immediate action due to their high assigned ranking, in terms of potential public health effects, by the EPA.

- The subject site address does not appear on the NPL but is within the boundaries of the NPL site discussed below.

- The subject site is located within the boundaries of an NPL-listed area. Map No., 0, identified as the San Fernando Valley (Area-2) – Crystal Springs Wellfield Area, is an area of contaminated ground water located beneath the Cities of Los Angeles and Glendale. According to information in the EDR report, this specific area encompasses approximately 6,680 acres and is within the San Fernando Valley Basin, a large ground water reservoir used for municipal water supply. The primary contaminants identified are trichloroethylene (TCE) and perchloroethylene [or tetrachloroethylene] (PCE). The status date for this listing is June 10, 1986. More current information for this area and impacted ground water is provided in the CERCLIS listing below. Additionally, this listing is discussed in Section 7.0 of this report.

EPA Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS), dated 5/17/04

The CERCLIS lists and identifies suspected contamination sites throughout the nation; CERCLIS contains information on sites identified by the U.S. EPA as known or suspect abandoned, inactive, or uncontrolled hazardous waste sites which may require cleanup.

- The subject site does not appear on the CERCLIS list.
- The subject site is located within the boundaries of a CERCLIS-listed area. Map No. 0 is the San Fernando Valley (Area 2) listing that also appeared on the NPL list (discussed above). The information for the CERCLIS listing in the EDR report shows that the contaminated ground water was discovered in 1983. The latest status report in the historical summary listing was completed on March 24, 2004 and is identified as "Ready-for-Reuse Evaluation Checklist".

We obtained information from the Department of Toxic Substances Control (DTSC) website for this specific listing. The fact sheet indicates that the San Fernando Valley Basin is divided into four areas. It appears that Area 1 (North Hollywood NPL site) is in close proximity to the site, also. However, the ground-water contaminants are essentially the same in the four areas (solvents) and resulted from the improper use, storage and disposal of chemicals associated with operations associated with the aerospace industry, dry cleaners, automotive facilities and metal plating operations. The discovery of the contamination occurred in 1979. Ground-water remedial activities commenced in Areas 1 and 2 during the mid- to late-1990s. Hexavalent chromium, a new chemical of potential concern (COPC), was reportedly identified in the ground-water basin. According to the website, the Environmental Protection Agency (EPA) and the Regional Water Quality Control Board (RWQCB) are in the process of identifying potentially responsible parties (PRPs) with respect to this COPC.

There is one CERCLIS-listed facility within ½ mile of the site. Map No. T90 (Dynamic Plating, Inc.) is located approximately 2,000 feet west-southwest of the site. The status of this facility is listed as "cleaned up". Considering the distance of this facility from the site and the regulatory status, in our opinion, this listing does not warrant further investigation.

Corrective Action Report (CORRACTS) list, dated 6/15/04

The CORRACTS list identifies hazardous waste handlers with RCRA corrective action activity.

- The subject site is not included on the CORRACTS list.
- There is one CORRACTS-listed facility located within 1 mile of the subject site. Map No. R81 (Railchem) is located approximately 1,500 feet southeast of the site. The status of the facility is listed as “medium corrective action priority”. Considering the distance of this facility from the site, in our opinion, this listing does not warrant further investigation.

EPA Resource Conservation and Recovery Information System (RCRIS), dated 6/15/04

RCRIS, or the Resource Conservation and Recovery Act (RCRA) Notifiers List, is an EPA database of facilities that generate and/or transport hazardous waste. This list also serves to track the status of hazardous waste treatment, storage, and/or disposal (TSD) facilities regulated under RCRA.

- The subject site does not appear on the RCRIS list.
- There are three facilities reported on the RCRIS – Large Quantity Generator (LQG) list located within a ¼-mile radius of the subject site. The appearance of a facility on the RCRIS list does not necessarily indicate that an environmental problem exists. The listing merely identifies facilities that use, store and dispose of hazardous materials and wastes. These three listed facilities (Map Nos. E12, J55 and P65) are not located on adjacent properties to the site. Additionally, the status of these facilities is listed as “no violations found”. In our opinion, these listings are not considered as an environmental concern with respect to the site.

There are 31 listings on the RCRIS – Small Quantity Generator (SQG) list. None of these facilities are located on adjacent properties to the site. The nearest facility (Map No. D11 - Swaner Hardwood Co., Inc.) is located approximately 300 feet west of the site. The status of this facility is listed as “no violations found”. In our opinion, these listings are not considered as an environmental concern with respect to the site.

- There is one facility reported on the RCRIS TSD list located within a ½-mile radius of the subject site. Map No. R81 (Railchem), also discussed above on the CORRACTS list, appears on this list with three violations and subsequent enforcement actions between 1990 and 1991. This facility is not considered as a recognized environmental condition with respect to the site and, in our opinion, does not require further investigation.

EPA Emergency Response Notification System (ERNS), dated 12/31/03

The ERNS list is a national database used to collect information on reported releases of oil and hazardous substances.

- The subject site does not appear on the ERNS list.

SARA Title III, Section 313 (TRIS), dated 12/31/02

Title III of the Superfund Amendments and Reauthorization Act requires that owners or operators of facilities with more than ten employees and that are listed under Standard Industries Classification (SIC) Codes 20 to 39 report the manufacturing, processing or use of more than a threshold quantity of certain chemicals listed under Section 313. This database is also known as the Toxic Release Information System (TRIS).

- The subject site does not appear on the TRIS list.

6.2 STATE CONTACTS

Annual Work Plan (AWP) list, dated 6/1/04

The Annual Work Plan (AWP) of the California Hazardous Substance Cleanup Bond Act of 1984 (state Superfund act) identifies California hazardous waste facilities targeted for cleanup by responsible parties, the state, and the EPA over the next five years.

- The subject site is not included on the AWP list.
- There is one AWP-listed facility located within a 1-mile radius of the subject site. Map No. 0 is the same listing that also appeared on the NPL and CERCIS lists discussed above. The information under this listing shows the site as “active” and the lead agency as the “EPA”.

CALSITES (CALIS) list, dated 6/1/04

The CALSITES database identifies certain potential hazardous waste facilities, based on file searches and windshield surveys. Some of the facilities may have undergone supplemental inspection or sampling.

- The subject site is not included on the CALSITES list.

- There is one CALSITES-listed facility within a 1-mile radius of the subject site. This is the same listing (Map No. 0) that appeared on the NPL, CERCLIS and AWP lists.

California Office of Planning and Research (CORTESE) list, dated 4/1/01

The CORTESE database, a consolidation of information from various sources, lists potential and confirmed hazardous waste facilities or hazardous substance facilities.

- The subject site address appears on the CORTESE list as Map No. A3 (Unocal Service Station #0535, 777 Front, Burbank, CA 91503). Based on the information we obtained during the assessment, we did not find evidence that the site was previously occupied by a gasoline service station. Additionally, the zip code for the listing is not for the subject site (which is 91502). We sent a request for information to the Regional Water Quality Control Board (RWQCB) regarding this site which also appears on the SLIC list (discussed later in this section). We have not yet received a response to our request.
- There are 10 CORTESE-listed facilities located within a 1-mile radius of the subject site. The CORTESE listings are usually associated with underground storage tank (UST) leaks. Nine of the 10 facilities that are on the CORTESE list also appear on the Leaking Underground Storage Tank (LUST) list and are discussed below. The remaining facility (Map No. X103) is located over 2,000 feet south-southeast of the site and, in our opinion, is not considered as an environmental concern with respect to the site.

Leaking Underground Storage Tank (LUST) list, California and Regional, dated 7/12/04

The State Water Resources Control Board and Regional Water Quality Control Boards maintain the LUST lists with reported leaks from underground storage tanks.

- The subject site does not appear on the LUST list.
- There are 11 facilities included on the LUST list located within a ½-mile radius of the subject site. Three facilities are listed as “soil only, case closed”. Four other facilities are listed as “soil only”. Three of the remaining four facilities are listed as “ground water, case closed”. No specific data is provided for the remaining facility. However, the facility is located approximately 1,700 feet west of the site. Considering the above information, these listings are not considered as an environmental concern with respect to the site.

Permitted Underground Storage Tanks (UST) list dated 7/12/04

The UST list inventories tanks registered on the State Water Resources Control Board’s Hazardous Substance Storage Container Database.

- The subject site does not appear on the UST list.

- There are six UST-listed facilities located within a ¼-mile radius of the subject site. The appearance of a facility on this list does not necessarily imply that a UST leak has occurred. The listing merely indicates the facility maintains USTs. Only one of the listed facilities (Map No. J54) appears on the LUST list. This facility was previously discounted as an environmental concern to the site. None of the remaining five facilities are located on an adjacent property to the site. Considering this, in our opinion, further investigation associated with these facilities is not warranted.

Waste Management Unit Database (WMUDS) List, dated 4/1/00

The WMUDS is used by the State Water Resources Control Board Staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. The WMUDS includes the SWAT database.

- The subject site is not included on the WMUDS list.
- There are no WMUDS-listed facilities located within a ½-mile radius of the subject site.

Solid Waste Information System (SWIS) list, dated 6/14/04

The SWIS list inventories active, inactive, and closed solid waste disposal and transfer facilities.

- The subject site is not included on the SWIS list.
- There are no SWIS-listed facilities reported within a ½-mile radius of the subject site.

6.3 OTHER LISTS

Twelve of the 47 remaining regulatory lists contain listings within the search radius as designated in the EDR report. The listings appeared on the following lists discussed below:

CERCLIS-NFRAP

This list provides information on properties that were removed from the CERCLIS list and are identified as “No Further Remedial Action Planned”. One facility (Map No. R81) appears on this list and was previously addressed earlier in this section. Considering the appearance on this list, in our opinion, this listing is not considered to represent an environmental concern.

Notify 65

This list contains information on facility notifications about any releases that could impact drinking water. Two facilities appear on this list. Map No. B6 (Burbank Waste Reclamation Plant) is located approximately 300 feet west of the northern portion of the site. No specific information is provided for this listing. We observed rectangular-shaped reclamation ponds on the opposite [west] side of the railroad tracks across from the site which is likely the location of this facility. Strictly from a surficial pathway, in our opinion, this facility has not likely impacted the subject site. The other facility is located greater than 2,500 feet south of the site and is not considered as an environmental concern.

Voluntary Cleanup Program

This list contains information on facilities that have entered into a voluntary cleanup program with the DTSC. One facility (Map No. J53), which is located approximately 500 feet south-southwest of the site, appears on this list. The status of this facility is listed as “No Further Action for DTSC”. Therefore, this property is not considered as an environmental concern.

CA FID UST

The CA FID UST list contains a historical listing of active and inactive underground storage tank locations. This listing is similar to the UST list previously discussed in this section. Seven facilities appear on this list. None of the facilities are located on properties which are adjacent to the site. Considering the LUST facilities have already been addressed, in our opinion, these listings do not warrant further investigation.

HIST UST

The HIST UST list is a historical listing of UST sites. The subject site appears on this list as Map No. A5 (Zero West Division). The information in the EDR report indicates that two 5,000-gallon USTs containing unleaded fuel were installed at the site in 1975. The owner was listed as “Zero Corporation”. Our review of specific records at the Burbank Fire Department is discussed later in this section and contains information on former on-site USTs.

Twenty other listings are present on this list. None of these facilities are located on properties adjacent to the site. Additionally, as previously stated, the LUST sites have already been addressed. Therefore, these listed facilities do not warrant additional investigation.

ROD

The records of decision documents mandate a permanent remedy at an NPL site. One listing (Map No. 0) appears on this list and was previously discussed earlier in this section.

FINDS

The FINDS list contains data usually obtained from other regulatory lists. One listing (Map No. 0) appears on this list and was previously discussed earlier in this section.

CLEANERS

This is a list of dry cleaner facilities with EPA identification numbers. Three separate listings appear on this database. However, all three appear to be for the same facility (Map No. N43, N44 and N45 at 928 [West or North] San Fernando [Road or Street]. This facility is located approximately 700 feet north of the subject site. The database listing does not state that a release has actually occurred at this facility. Therefore, in our opinion, this facility is not considered as a recognized environmental condition with respect to the site.

EMI

The Emissions Inventory Data list contains information on toxic and pollutant emissions that are collected by local air pollution agencies. The subject site appears on the list as Map No. A4 (Zero West Division). No pertinent information related to this listing is provided in the EDR report. In our opinion, the site was likely issued permits and monitored for air emissions by the South Coast Air Quality Management District. However, considering the site is no longer occupied by the Zero Corporation facility, air emissions issues are no longer applicable.

SLIC

The SLIC list contains information on sites which have contaminated ground water or have the potential to impact ground water. The list is prepared by the RWQCB. The subject site address appears on the list as Map No. A3 (Unocal SS #0535 at 777 Front Street). No specific information is provided in the EDR report for this listing. We submitted a request to the RWQCB – SLIC Unit to confirm whether they maintained a file for this listing. We have yet to receive a response to our request on this issue.

There are 26 facilities located within 1 mile of the site that appear on the SLIC list. Twenty-three of these facilities are located approximately ¼ mile or further from the site. The remaining three

facilities (Map Nos. B9, E16 and G22) are located within approximately 500 to 750 feet of the site. The substances released at these facilities are identified as volatile organic compounds (VOCs) and chromium (CR). In our opinion, considering the proximity of these facilities to the site, there is a low to moderate likelihood that they have contributed to ground water contamination beneath the site.

HAZNET

The HAZNET list contains hazardous waste manifest information from the Department of Toxic Substances Control. The HAZNET listing merely indicates that these facilities generate and transport hazardous waste materials and does not necessarily imply an environmental problem exists.

The subject site appears on the HAZNET list as Map No. A1 (Independence Inc.) and Map No. A2 (Erry Gates-The Crow), both located at 777 Front Street. The information in the EDR report shows that the listed facilities have an EPA identification number for the disposal of “oxygenated solvents” and “unspecified organic liquid mixture”. Based on our site reconnaissance observations, these materials are no longer generated or used on the site.

Los Angeles County HMS

The list is prepared by the Los Angeles County Department of Public Works and provides information on industrial waste and UST sites. The site appears on the list as Map No. A4 (Zero Corporation). Both the facility and permit statuses are listed as “Removed”.

Gas Stations/Dry Cleaners

This EDR database contains a listing of possible current/former gas station, automotive and dry cleaner facilities that appeared in business directories. Numerous facilities located within ¼ mile of the site. The closest facility is identified as Hoffman R D located at 402 North Front Street and was listed in the year 1942. This facility is no longer present. Considering the large number of these former/current businesses, there is some likelihood that the operations conducted at these facilities may have impacted soil and/or ground water in the general area of the site.

VCP

The Voluntary Cleanup Program list identifies low threat level properties with confirmed or unconfirmed releases where the project proponents have entered into a oversight agreement with the DTSC. There is one facility that appears on this list (Map No. J53 at 164 West Magnolia Boulevard). The status of the site is listed as “No Further Action for DTSC”.

Orphan Summary

The Orphan Summary list consists of sites with poor address quality, usually without zip code information. However, if street addresses are available, these site locations are checked against the known vicinity of the subject site to evaluate if they are located within the select ASTM search distance. We did not identify orphan properties that include the site or immediately adjacent properties. However, based on the listed addresses, some of these former or existing facilities are within approximately 1,000 feet of the site. Considering the number of facilities and type of listings (e.g., SLIC), in our opinion, there appears to be some likelihood that ground water in the general site vicinity is impacted from these facility operations.

6.4 BURBANK FIRE DEPARTMENT

We visited the Burbank Fire Department and reviewed microfiche records for the subject site address. We also spoke to Mr. Devin Burns, Hazardous Materials Specialist with the Burbank Fire Prevention Bureau. A summary of the review is provided below:

- 1975: Application to store flammable liquids underground. Two 5,000-gallon USTs. A note on the document indicates they were removed in 1987.
- 1987: Application to remove two USTs submitted.
- August 10, 1987: Letter from the Los Angeles County Department of Public Works stating that, based on their review of a UST closure report, the “closure is final and no further action is required”. The subject report indicated that soil samples collected from 3 feet below the UST inverts contained TPH as gasoline concentrations ranging from 2.5 to 31 parts per million.
- April 9, 1990: A handwritten note from David (?) on Zero Corporation letterhead stating “Gentlemen: Please be advised that there are no USTs at this site”.

6.5 SUMMARY OF RECORDS REVIEW

Please note that regulatory listings are limited and include only those sites that are known to the regulatory agencies at the time of publication to be contaminated or in the process of evaluation for potential contamination. Our review of the above-referenced regulatory information suggests that there are several properties in the general area of the site where environmental conditions are documented and have resulted in soil and/or ground-water contamination. As previously stated, in our opinion, there is a moderate likelihood that ground water beneath the site is affected from some of these off-site facilities.

7.0 DOCUMENT REVIEW

Northridge Properties, LLC provided us with copies of numerous documents related to environmental assessment and remediation, real estate and legal activities associated with the site. The documents were prepared between approximately 1991 and 2002. This section provides a generalized summary of these documents and past activities associated with the subject site.

In 1991, Zero-West retained Targhee, Inc. to conduct a preliminary subsurface investigation to document whether the subsurface soils at the site were impacted with chemical constituents of concern as identified by the RWQCB. The investigation was reportedly conducted as part of the RWQCB's Well Investigation Program directive (Targhee, 1991). Targhee collected soil samples from borings placed adjacent to the on-site clarifiers and chemical storage areas. Total petroleum hydrocarbons (TPH) and volatile organic compounds (VOCs), such as PCE, trichloroethene [TCE] and 1,1,1-trichloroethane [1,1,1-TCA or TCA], were identified in the subsurface soils. Targhee conducted several follow-up assessments and subsurface investigations based on the findings of the initial assessment.

In 1992, at the request of both the RWQCB and the United States EPA (US EPA), Zero Corporation retained the services of Hydro Geo Chem, Inc. (HGC) to perform a subsurface investigation at the subject site and an adjacent parcel of property owned by the Southern Pacific Transportation Company that was previously leased by the Zero Corporation for storage purposes. The findings were submitted in a report dated September 29, 1992 (HGC, 1992). HGC collected soil, soil gas and ground-water samples during the investigation which included the installation of six ground-water monitoring wells. PCE, TCE, TCA and/or 1,1-dichloroethene (1,1-DCE or DCE) were identified in the soil, soil gas and ground-water samples. HGC concluded that the TCE and DCE were likely a result of the degradation of PCE and TCA, respectively. HGC continued by stating that the concentrations of PCE in the ground water were likely from former on-site activities. However, HGC stated that the TCE concentrations found in the ground water were not consistent with the concentrations found in the soil and soil vapor and concluded that the TCE was from an off-site source.

HGC subsequently installed four additional ground-water monitoring wells on the site in late 1992 based on the findings of the previous investigation and discussions with the RWQCB (HGC, 1993).

The installation of the additional ground-water wells commenced a monthly, quarterly, semi-annual and annual ground-water monitoring program at the site that continued through approximately 2001.

Based on a review of the subsequent ground-water monitoring reports, the ground water beneath the site ranged in depths from approximately 95 to 120 feet bgs throughout the approximately 8-year monitoring period. The ground-water gradient beneath the site was generally in a south- to southeasterly direction. However, due to ground-water pumping associated with municipal water supply wells and ground-water remediation occurring at other nearby properties, both the ground-water levels and gradient fluctuated over time.

The US EPA issued various dockets between 1994 and 1997 related to the San Fernando Valley Area 2 (Glendale North and Glendale South Operable Units) site. The Area 2 site appears on the NPL list due to the presence of solvents (generally PCE and TCE) in the ground water. The EPA dockets identified respondents (potentially responsible parties [PRPs]) and consisted of administrative orders, records of decision and orders for remedial action. The PRPs identified on the various dockets were represented by the Glendale Respondents Group which enabled the PRPs to work in a unified manner to address the EPA's requirements associated with the ground-water contamination issue. On March 30, 1998 the California EPA issued a letter indicating that the RWQCB was the designated administering agency for overseeing remediation activities at the site.

In 1997, Law/Crandall conducted an environmental assessment of the site for Galpin Motors, Inc. (an affiliate of Northridge Properties, LLC) that consisted of a review of previous environmental reports and subsurface sampling activities. Selected soil samples were analyzed for semi-volatile organic compounds (SVOCs), VOCs, Title 22 Metals, PCBs and TPH. The results of the assessment showed that SVOCs, PCBs and TPH as gasoline [including MTBE] were not detected. The metals concentrations detected were found to be below California hazardous waste criteria. VOCs and TPH as diesel and heavy hydrocarbons were detected in some of the samples.

In December 1997, Emcon conducted an environmental assessment within (old) Front Street located on the east side of the subject site. As part of their assessment, Emcon advanced one direct-push boring (GP-3) in the proximity of a Mobil oil pipeline that was reportedly installed in an east-west direction beneath the former Cypress Avenue. The pipeline was interpolated to extend in a westerly direction beneath the subject site. While a portion of the pipeline was reportedly removed by the City of Burbank, and while correspondence from Mobil Oil Co. in 1967 objected to Zero Manufacturing

Co.'s proposed construction of a building over the pipeline, the actual current disposition of the pipeline beneath the subject site (removed or in-place) is not known. The purpose of the boring was to assess for impacts to the soil from leaks in the oil pipeline. Three soil samples from GP-3, collected at depths of approximately 5, 7 and 10 feet below ground surface, were analyzed for total petroleum hydrocarbons (fuel scan). A review of the laboratory analyses indicates that the suspect constituents were not present above the laboratory reporting limits.

HGC submitted various remediation work plans to the RWQCB based on preliminary studies to identify the most effective and feasible alternative for site remediation. HGC performed remediation activities on the site in a two-phased approach. The "Phase I" portion of the remediation was designed to remediate shallow soils (to depths of approximately 20 feet bgs) in areas where proposed building development was expected to occur. This portion of the remedial work consisted of soil vapor extraction (SVE) wells and air injection wells and was conducted between May 1998 and early 1999. The "Phase 2" portion was designed to treat areas of VOC-impacted soils to depths of up to approximately 90 feet and consisted of SVE and SVE/air sparging wells. This phase of remedial activities occurred between early 1999 and October 2000 (HGC, 2001). The RWQCB-imposed cleanup objectives were eventually met and HGC submitted reports for site closure in August 1999 (Phase I) and April 2001 (Phase 2), as supplemented by a Summary of Site Remedial Activities dated May 30, 2001, a Progress Update dated July 12, 2001, and a report of Supplemental Site Closure Information dated August 23, 2001.

On November 28, 2001 the RWQCB issued a "No Further Requirements" letter stating that, based on the findings of a closure report, "...we have no further requirements for VOC soil contamination with respect to the San Fernando Valley Cleanup Program at the subject site". They continued by stating that "...the diminished concentration of VOCs remaining in the soil appear not to pose a present or continuing threat to groundwater quality. Therefore, no further VOC assessment or cleanup of soil is warranted". On July 1, 2002, the RWQCB, as administering agency for the site under California's law for Unified Agency Review of Hazardous Materials Release Sites, issued a "Certificate of Completion" and cover letter stating that the site mitigation activities had satisfied the requirements of all agencies concerned with the hazardous substance release. A copy of each document is included in Appendix D.

A grant deed was issued on March 25, 1998 whereby Zero Corporation transferred the ownership of the subject site to Ford Leasing Development Company (FLDC). The US EPA and FLDC signed an "Agreement and Covenant Not to Sue" (under US EPA Region IX Docket No. 2000-03) whereby FDLC issued a check to the US EPA for \$150,000 for the US EPAs assurance that FDLC and permitted transferees would not be named as a PRP with respect to contamination issues at the site. A stipulation in the agreement allows the EPA to access the site for investigative purposes.

8.0 CONCLUSIONS

We have performed a Phase I ESA of the former Zero Corporation facility (subject site) located in Burbank, California. The scope of work was performed in general conformance with the scope and limitations of ASTM E 1527-00. Any exceptions to, or deletions from, the ASTM E 1527-00 scope is described in Section 2.2 of this report.

This assessment has revealed no evidence of RECs in connection with the subject site except for the following:

Superfund Site. The site is located within the boundaries of a National Priorities List Superfund Site which addresses regional groundwater contamination. The Superfund Site is separated into four areas managed by the U.S. Environmental Protection Agency (EPA). The area in which the site is located is known as San Fernando Valley Area 2 (Crystal Springs). The former owner of the site, Zero Corporation (now known as APW North America, Inc.), is an identified potentially responsible party in the Superfund Site based on alleged hazardous substance releases from past manufacturing operations at the site. The Superfund Site is a long-term environmental issue for this site and the surrounding region. However, in connection with its acquisition of the site, the current owner, Ford Leasing Development Company, obtained an Agreement and Covenant Not to Sue (commonly known as a prospective purchaser agreement) from the U.S. EPA. In addition, many years of on-site assessment and remediation activities have occurred. These activities were conducted by the former owner under the regulatory oversight of the RWQCB, which was officially designated in 1998 to serve as the administering agency for this site under the California law for Unified Agency Review of Hazardous Materials Release Sites. The RWQCB issued a “no further requirements” letter in 2001 and a formal “certificate of completion” was issued in 2002 by the RWQCB under the Unified Agency Review law.

9.0 LIMITATIONS

The findings and opinions in this report are relevant to the dates of our site work. They should not be relied upon to represent conditions at later dates.

Our professional services have been performed using that degree of care and skill ordinarily exercised, under similar circumstances, by reputable environmental consultants practicing in this or similar localities at the time of service. No other warranty, expressed or implied, is made as to the professional advice included in this report.

The opinions included in this report are based on information obtained during the study and on our experience. If additional information becomes available that might affect our conclusions, we request the opportunity to review the information, reassess the potential environmental concerns, and modify our opinion, if warranted.

Although this assessment has attempted to identify the potential for site contamination, potential sources of contamination may have escaped detection. They may have been overlooked because of the limited scope of this assessment, the inaccuracy of public records, or the presence of undetected and unreported environmental concerns.

The purpose of this assessment was not intended to identify *de minimus* conditions (e.g. those conditions that do not represent a material risk to public health or the environment) as recognized environmental conditions.

10.0 INFORMATION SOURCES

Geology, Surface Drainage, and Ground-Water Flow

- California Division of Oil, Gas and Geothermal Resources, 1996, "Regional Wildcat Map W 2-1," July 27, 1996.
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- County of Los Angeles, 1990, "Seismic Safety Element of the Los Angeles County General Plan."
- Dibblee, T.W., Jr., 1991, "Geologic Map of the Hollywood and Burbank Quadrangles, Los Angeles County, California," Dibblee Geological Foundation Map #DF-30.
- Hydro Geo Chem, Inc., 2000, Quarterly Progress Report, Groundwater Monitoring and Site Remedial Action Activities, Former Zero Facility, 777 Front Street, Burbank, California, April 28, 2000.
- U.S. Department of Interior, Fish and Wildlife Service, 2004, "National Wetlands Inventory" online resources <http://wetlandsfws.er.usgs.gov/>.
- U.S. Geological Survey (USGS) 7.5-Minute Burbank Topographic Quadrangle, 1966.
- The Thomas Guide, Los Angeles County Street Guide, Rand McNally, 2003.
- Various quarterly ground-water monitoring reports by Hydro Geo Chem, Inc. (HGC) dated 1992-2001.

Historical Review

- Aerial photographs dated 1928 (1" = 500'), 1940 (1" = 666'), 1956 (1" = 400'), 1965 (1" = 666'), 1976 (1" = 666'), 1989 (1" = 666'), 1994 (1" = 666') and 2002 (1" = 666') from Environmental Data Resources, Inc. (EDR).
- USGS Topographic Map, 15-minute series, Santa Monica, California Quadrangle, dated 1902 (1:62,500 scale).
- USGS Topographic Map, 30-minute series, Los Angeles, California Quadrangle, dated 1915 (1:62,500 scale).
- USGS Topographic Map, 7.5-minute series, Burbank, California Quadrangle, dated 1926, 1941, 1966, 1966 [photorevised 1972] and 1994 (1:24,000 scale).
- Sanborn[®] Fire Insurance Maps dated 1941, 1949, 1950, 1957, 1960, 1968 and 1970 from EDR.
- The EDR-City Directory Abstract dated October 11, 2004.
- Building permits on file at the City of Burbank building department.

Other References

- See following pages for a list of documents that were provided for our review.

Personal Communications

- Mr. Jim Lovell, Burbank Water and Power on October 27, 2004.
- Mr. Devin K. Burns, Burbank Fire Department on October 22, 2004.

EXHIBIT E

LIST OF DOCUMENTS KNOWN TO SELLER WHICH MAY CONTAIN MATERIAL FACTS
AND OTHER MATTERS CONCERNING THE PROPERTY

Copies of the following documents are in the possession of Seller (except as noted) and will be delivered to Buyer upon execution of this Purchase Agreement. Seller urges Buyer to secure and review copies of the missing materials.

1. ENVIRONMENTAL REPORTS.

Law/Crandall.

- 2 copies → 1. Report of Pre-Demolition Asbestos Survey to Identify Asbestos-Containing Materials, dated July 31, 1997.
2. Report of Environmental Evaluation, dated October 1, 1997.
3. Letter to Mr. Skobin Re: Additional Metals Testing, dated January 8, 1998 (addendum to October 1, 1997, Report of Environmental Evaluation).
4. Report of Geotechnical Investigation, Proposed Galpin Ford Development, dated October 1, 1997.
5. Project Manual for the Removal of Hazardous Materials @ 777 N. Front Street, Burbank, CA, dated January 1998.

B. City of Burbank.

1. Letter from Erella Dimentstein to Donald Nanney, dated January 19, 1998, enclosing the following documents:
- a. Letter from Leighton and Associates, Inc., to the City of Burbank, dated October 23, 1992: Cost Estimate for Soil and Ground Water Remediation at the Zero Enclosures Property, 777 North Front Street, Burbank, CA.
- b. Letter from Leighton and Associates, Inc., to the City of Burbank, dated November 4, 1992: Cost Estimate for Soil and Ground Water Remediation at the Hyrail Site located at 415 North Front Street, Burbank, CA.
- c. Draft Results of Soil Gas Survey, Former Leased Area - Zero Facility 777 Front Street, Burbank, CA, prepared by Hydro Geo Chem for Zero Corporation, dated February 2, 1995.
- d. Report prepared by Leighton and Associates, Inc., to the City of Burbank, dated March 6, 1996: A review of Soil Vapor Extraction Simulation and Work Plan for Soils Remediation Conducted by Hydro Geo Chem, Inc., of the Zero Enclosures Facility located at 777 Front Street, Burbank, CA and attached letter from the City of Burbank to the California Regional Water Quality Control Board, dated March 7, 1996.
- e. Letter from Zero Corporation to the City of Burbank, dated April 8, 1996 referencing 777 Front Street.
- f. Letter from Hydro Geo Chem, Inc., to the City of Burbank, dated May 23, 1996: Exhibit A - Well Locations Zero Facility, Burbank.

C. Cal/EPA or Los Angeles Regional Water Quality Control Board.

1. Letter from LARWQCB to Michael Francis Re: Well Investigation Program - Soil Remediation Workplan, Zero Enclosures, 777 Front Street, Burbank (File No. 109.6162), dated February 26, 1996 (approving January 15, 1996, Workplan).
2. Letter from Eric Nupen of LARWQCB to Mr. Francis re: Work Plan, dated December 22, 1997 (approving December 18, 1997, Phase I Shallow Soils Remediation System).
3. Letter from Hank H. Yacoub of LARWQCB to Mr. Francis re: Due Date Extension, dated January 27, 1998

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(approving extension for start of Phase I).

2 copies 4. Letter from Cal/EPA Site Designation Committee to Hank Y. Yacoub, Cleanup Section Chief, Regional Water Quality Control Board - Los Angeles, re: Designation of an Administering Agency for Zero Corporation - 777 Front Street, Burbank, California, County of Los Angeles, dated March 30, 1998, and its enclosure, California Environmental Protection Agency, Site Designation Committee Resolution No. 97-19, February 5, 1998, ZERO Corporation, Burbank, certified copy dated March 30, 1998.

5. Letter from LARWQCB to APW North America, Inc., re "No Further Requirements - Former ZERO Corporation Facility, 777 Front Street, Burbank, California (File No. (109.6162; PCA No. 2046J))," dated November 28, 2001, together with letter from Donald C. Nanney of Gilchrist & Rutter to Dixon Oriola, Senior Engineering Geologist, Los Angeles Regional Water Quality Control Board, dated December 19, 2001.

2 copies 6. Letter from LARWQCB to Ronald Habel, APW North America, Inc., re: "No Further Requirements - Former Zero Corporation Facility", dated November 28, 2001. (same as #5 w/out Nanney ltr.)

copies 7. Letter from LARWQCB to Ronald Habel, APW North America, Inc., re: "Certificate of Completion - APW North America, Inc. (Former ZERO Corporation) 777 Front Street, Burbank, CA dated July 1, 2002, with enclosures including the Certificate of Completion No. 97-19, issue date June 30, 2002, by LARWQCB.

D. Hydro Geo Chem, Inc.

1. Subsurface Investigation, Zero Enclosures Facility, 777 Front Street, Burbank, California, Volume: 1 Text, Tables and Figures, dated September 29, 1992.

2. Subsurface Investigation II-Appendices-September 29, 1992.

3. Subsurface Investigation Addenda-December 18, 1992.

4. Quarterly Monitoring Report-September/December 1992.

5. Quarterly Monitoring Report-January/March 1993.

6. Quarterly Monitoring Report-April/June 1993.

7. Quarterly Monitoring Report-July/September 1993.

8. Quarterly Monitoring Report-October/December 1993.

9. Quarterly Monitoring Report-January/April 1994.

10. Quarterly Groundwater Monitoring Report 2nd Quarter 1994 (no copy available).

11. Quarterly Groundwater Monitoring Report 3rd Quarter 1994 (no copy available).

12. Soil Gas Sampling Results-February 27, 1995.

13. Results of Soil Gas Vapor Extraction-Pilot Testing-February 22, 1995.

14. Revised Soil and Gas Sampling Results from On-Site Monitoring and Soil Vapor Extraction Test Wells, dated February 23, 1995, revised May 26, 1995.

15. Quarterly Monitoring Report-October 1994/January 1995.

16. Semi-Annual Monitoring Report-February/July 1995.

17. Results of Soil Vapor Extraction Simulation and Work Plan for Soils Remediation, dated January 15, 1996.

18. Semi-Annual Monitoring Report-August 1995/January 1996.

19. Application for Permit to Construct and Permit to Operate Soil Vapor Extraction and Treatment System, dated May 20, 1996.

20. Draft Annual Monitoring Report (January 1996 to January 1997), dated March 24, 1997.

21. Proposed Phase I Shallow Soils Remediation System, Zero Facility, 777 Front Street, Burbank, California, dated December 18, 1997.

22. Draft Groundwater Monitoring Report (January 1997 to January 1998), dated April 3, 1998 (two large black

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binders).

23. Work Progress - Phase I Soils Remediation, dated June 25, 1998.
24. Progress Report 2 - Phase I Soils Remediation, dated July 29, 1998.
25. Progress Report 3 - Phase I Soils Remediation, dated October 2, 1998.
26. Progress Report 4 - Phase I Soils Remediation, dated February 5, 1999.
27. Results of Groundwater Monitoring and Site Remedial Action Activities (January 1998 to January 1999), dated April 13, 1999.
28. Verification Sampling Plan for Closure of Phase I Soil Vapor Extraction System, April 21, 1999.
29. Self Monitoring Report, dated June 25, 1999.
30. Quarterly Progress Report, Site Remedial Action Activities (February through April 1999), dated June 28, 1999.
31. Results of Phase I Soil Vapor Extraction Verification Sampling and Request for No Further Action Closure, August 11, 1999.
32. Quarterly Progress Report, Site Remedial Action Activities (May through July 1999), dated October 4, 1999.
33. Quarterly Progress Report, Site Remedial Action Activities (August through October 1999), dated February 2, 2000.
34. Status of Soil Remedial Activities at the Former ZERO Facility, 777 Front Street, Burbank, CA, dated February 25, 2000.
35. Quarterly Progress Report, November 1999 through January 2000, April 28, 2000.
36. Self Monitoring Report, January 2000, May 1, 2000.
37. Workplan for No Further Action Closure: Soil Vapor Extraction and Groundwater Monitoring Systems, Former Zero Facility, dated June 26, 2000.
38. Progress Report, Site Remedial Action Activities, Former Zero Facility, dated January 9, 2001.
39. Summary of Site Remedial Activities and Request for No Further Action at the Former APW Site, 777 Front St, Burbank, California, May 30, 2001.
40. Letter to LARWQCB re: Progress Update Report, Former APW Facility dated July 12, 2001, and attachments.
41. Supplemental Site Closure Information, Former APW Facility, dated August 23, 2001.
42. Self Monitoring Report, April 2001, dated December 5, 2001.
43. Letter (and attachment) to LARWQCB re: "Site Remedial System Decommissioning, Former APW Facility" dated December 31, 2001.
44. Letter to City of Burbank Public Works Department re: "Encroachment Permits EA 1651 and EA 1704, Former APW (ZERO) Facility" dated December 31, 2001.
45. Letter (and attachment) to LARWQCB re: "Final Report on Site Decommissioning, Former APW Facility" dated August 5, 2002.

E. EMCOM

1. Draft Phase I Environmental Site Assessment, dated August 29, 1997.
2. Phase I Environmental Site Assessment, dated October 21, 1997.
3. Results of Phase II Environmental Assessment Along North Front Street, Burbank, CA, dated October 22, 1997.

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1. Phase II Environmental Report for the City of Burbank, dated October 22, 1997 (duplicate of previous item).

2 copies 2. Letter from Ruth Davidson to Mr. Skobin, dated December 11, 1997, enclosing letter from EMCOM Re: Proposal for Additional Assessment Along Front Street, dated December 9, 1997.

3. Memorandum from Ruth Davidson to Ford/Boeckmann Project Team, dated January 6, 1998, enclosing letter from EMCOM Re: Summary of Results for Site Assessment Work, dated January 5, 1998.

4. Memorandum from Ruth Davidson to Ford/Boeckmann Project Team, dated January 7, 1998, enclosing letter from EMCOM Re: Results of Copper Solubility Testing for Three Soil Samples, dated January 7, 1998.

5. Letter from Kathleen A. McDonnell to Ruth Davidson-Guerra, dated January 23, 1998, Re: Results of Second Phase Assessment Along North Front Street, Burbank, CA.

F. Meredith/Boli & Associates, Inc.

1. Memorandum to Galpin Motors, Inc., from William C. Hass, P.E., dated November 4, 1997.

G. Targhee, Incorporated.

1. Subsurface Investigation, February 14, 1991.

2. Limited Phase I Environmental Assessment Report, dated March 26, 1991.

3. Site Audit, June 28, 1991 (no copy).

4. Report, dated July 1991.

5. Environmental Assessment, dated July 16, 1991.

H. Leighton and Associates, Inc. (see also item I.B. above.)

1. Preliminary Site Assessment of the Hyrail Site Located 415 North Front Street, Burbank, CA, dated December 27, 1991.

2. Health Risk Assessment and Environmental Fate Analysis of Volatile Organic Contamination in Soil, Soil Vapor, and Ground Water at the Hyrail Site Located at 415 North Front Street, Burbank, Ca., dated May 3, 1993.

II. FEDERAL GOVERNMENT CONSENT ORDERS, UNILATERAL ORDERS OR CONSENT DECREES.

A. Administrative.

1. Administrative Consent Order For Remedial Design, Glendale North and South Operable Units, San Fernando Valley Basin (U.S. EPA Docket No. 94-11), dated March 30, 1994.

2. Appendix 1a - Glendale South Operable Unit, Record of Decision, dated March 30, 1994.

3. Appendix 1b - Glendale North Operable Unit, Record of Decision, dated March 30, 1994.

4. Administrative Order For Remedial Action (U.S. EPA Docket No. 97-06), dated November 26, 1996.

5. Letter to James Rogers, Esq. (Wilmer, Cutler & Pickering) from Marie M. Rongone (U.S. EPA), re UAO 97-06, dated November 26, 1996.

6. Memorandum to All Recipients of the Attached Unilateral Administrative Order, from Marie M. Rongone, dated November 27, 1996.

7. Letter to James Rogers, Esq. (Wilmer, Cutler & Pickering) from Marie M. Rongone (U.S. EPA), re UAO 97-06, dated December 13, 1996.

8. Second Administrative Order For Remedial Action, San Fernando Valley Area 2 (Crystal Springs) Glendale North and South Operable Units (U.S. EPA Docket No. 97-18), dated September 11, 1997.

9. Letter to Glendale Respondents Group, c/o Boone & Associates from Marie M. Rongone, including list of Current Members Glendale Respondents Group, dated October 1, 1997.

10. Memorandum to All Recipients of the Attached Unilateral Administrative Order Who Are Not Members of the Glendale Respondents Group, from Marie M. Rongone, including Mailing List - San Fernando Valley Area 2 (Crystal Springs) Glendale North and South Operable Units, Unilateral Administrative Order No. 98-__ Non-Members of Glendale Respondents

Group, dated October 1, 1997.

B. Judicial.

1. Consent Decree, U.S. v. ITT Industries, et al., signed by ZERO Corporation on June 18, 1999.

(Seller is aware that there may have been continuing activity by USEPA and/or the Courts with respect to the federal Superfund site. Seller has no further documentation regarding these activities.)

III. AGREEMENT WITH CITY OF BURBANK.

A. Approval Process.

1. Council Agenda - City of Burbank, Tuesday, January 20, 1998.
2. Memorandum, dated January 20, 1998, from Robert M. Tague, Community Redevelopment Director, to Robert R. Ovrom, City Manager.
3. Legal Memorandum, dated January 13, 1998, from Dennis A. Barlow, City Attorney, to The Honorable Mayor and City Council.
4. City Staff Report, January 1998: "An Agreement re Conveyance of Real Property, Operating Covenant and Restrictive Covenants & A Resolution to Consider the Proposed Vacation of Front Street, A portion of Former Front Street, and a Portion of San Jose Avenue Between Magnolia Boulevard and Burbank Boulevard, V-314," with Attachments, as follows:

- Attachment A: Various Articles Regarding Latest Automotive Industry Trends
Attachment B: Press Release Regarding "Zero Corporation Sells Option on Burbank Plant Site to Nationally Prominent Ford Dealer," dated June 30, 1997.
Attachment C: Proposed Development Plans
Attachment D: Initial Study
Attachment E: Vacation Map V-314
Attachment F: Legal Description of the Proposed Property to be Vacated, V-314
Attachment G: Resolution of Intention to Consider the Vacation, Resolution No. 25,211
Attachment H: Comments received from appropriate City Departments & Outside Utilities
Attachment I: Copy of Public Notice mailed to Property Owners within a 1,000 foot radius
Attachment J: Affidavit of Posting Onsite Notices
Attachment K: Draft Agreement Re Conveyance of Real Property, Operating Covenant and Restrictive Covenants
Attachment L: Draft Reuse Analysis and Property Conveyance Report for the Galpin Ford Project, prepared for the city of Burbank, January 1998
Attachment M: Resolution to Vacate North Front Street (to be inserted)
Attachment N: Resolution to Approve the Land Sale (to be inserted)

B. Agreement

1. Agreement re Conveyance of Real Property, Operating Covenant and Restrictive Covenants, dated January 20, 1998, between City of Burbank and Ford Front Realty Corp., certified copy, signed.

IV. AGREEMENTS WITH ZERO CORPORATION (NOW APW NORTH AMERICA, INC.).

A. Option Agreement

1. Option Agreement and Joint Escrow Instructions, by and between Zero Corporation and Herbert F. Boeckmann, II, dated June 27, 1997.
2. Letter Amendment to Option Agreement, dated August 28, 1997.

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3. Second Amendment to Option Agreement, dated November 26, 1997.
4. Third Amendment to Option Agreement, by and between Zero Corporation and Herbert F. Boeckmann, II, dated December 19, 1997.
5. Exercise Notice, dated December 22, 1997.
6. Copy of check from H.F. Boeckmann, II, to Zero Corporation in the amount of \$500,000, dated December 22, 1997 (copy in file but to be omitted from disclosure due to personal account information on check).
7. Letter to George A. Daniels (Zero Corporation) from James H. Grossman, dated December 22, 1997.
8. Letter to Anita J. Cutchall (Zero Corporation) from Herbert F. Boeckmann, II, re: Soil Remediation, dated December 22, 1997.
9. Letter to Herbert F. Boeckmann from Anita J. Cutchall (Zero Corporation), dated December 22, 1997.
10. Acknowledgement of Receipt, dated December 22, 1997.
11. Letter to Anita J. Cutchall (Zero Corporation) from Donald C. Nanney, and acknowledged by Anita Cutchall, dated December 29, 1997.
12. Fourth Amendment to Option Agreement, dated February 13, 1998, effective January 27, 1998.
13. Letter to Alan J. Skobin from Anita J. Cutchall, dated March 12, 1998.
14. Zero Corporation acknowledgement of receipt and release letter, dated March 20, 1998.
15. Assignment and Assumption Agreement, by and between Herbert F. Boeckmann II, Assignor, and Ford Leasing Development Company, Assignee, dated March 20, 1998.
16. Letter to Michael A. Francis, Esq. from Kenneth Selover (CalEPA), dated March 30, 1998 Re: Request for Designation of an Administering Agency for the Zero Corporation, as to Site Designation Resolution of February 5, 1998.

B. Conveyance.

1. Grant Deed, dated March 25, 1998, by Zero Corporation, Grantor, to Ford Leasing Development Company, Grantee, recorded on March 25, 1998, as Instrument No. 98-494005.

V. PROSPECTIVE PURCHASER AGREEMENTS WITH ENVIRONMENTAL AGENCIES.

A. U.S. Environmental Protection Agency.

1. Agreement and Covenant Not to Sue Ford Leasing Development Company, signed by Ford Leasing, May 29, 1998 (not used, not signed by U.S. EPA, overtaken by developments).
2. EPA Notice, Request for Public Comment, "San Fernando Valley, Area 2 - Glendale Operable Units Superfund Site, Proposed Notice of Administrative Settlement," Federal Register, p. 24696, Vol. 65, No. 82, April 27, 2000.
3. Notice Letter, June 7, 2000, from EPA re final approval of Agreement and Covenant Not to Sue Ford.
4. Copy of EPA Notice Letter, June 7, 2000 (with final approval of PPA), with copy of fully executed "Agreement and Covenant Not to Sue Ford Leasing Development Company and Ford Front Realty Corp.," dated March 16, 2000, between EPA, DOJ, Ford Leasing and Ford Front.
5. Certified Copy of "Agreement and Covenant Not to Sue Ford Leasing Development Company and Ford Front Realty Corp.," Docket No. 2000-03, including Certification and Attestation of Custodian, dated June 28, 2000.
6. Conformed Copy of Recorded "Notice of Agreement and Covenant Not to Sue, Between U.S. Environmental Protection Agency and Ford Leasing Development Company, Including Access Rights to Real Property," dated June 29, 2000, recorded on July 12, 2000, as Instrument No. 00-1062454, Official Records, Los Angeles County.
7. Copy of original recorded "Notice of Agreement and Covenant Not to Sue, Between U.S. Environmental Protection Agency and Ford Leasing Development Company, Including Access Rights to Real Property," dated June 29, 2000, recorded on July 12, 2000, as Instrument No. 00-1062454, Official Records, Los Angeles County.

B. Los Angeles Regional Water Quality Control Board.

1. Draft Prospective Purchaser Agreement and Covenant Not to Sue, _____, 2000. (Never

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consummated; former owner completed remediation)

Box 3 of 3 (circled items only)

**Additional Documents
Not part of Exhibit E list to Purchase & Sale Agreement
777 N. Front Street, Burbank, CA**

- ~~1.~~ Ford Motor Company Inter Office Memo to Bill, dated August 14, 2000 w/ City of Burbank resolutions & restrictive covenants
- ~~2.~~ Ltr from Nancy Peterson, Quarles & Brady, dated August 14, 2000, re Zero's \$75,000 check to cover ½ of cost per section 8.3.8 of Option Agreement
- 3. ALTA survey dated August 1, 2000 by International Land Services, Inc. (missing page 1)
- 4. ALTA survey undated by International Land Services, Inc. (missing page 4)
- 5. Results of Site Remediation and Request for No Further Action, dated April 5, 2001 by Hydro Geo Chem.
- 6. Revised Draft Quarterly Progress Report, Groundwater Monitoring and Site Remedial Action (Nov. 1999 thru Jan. 2000), dated April 6, 2000 by Hydro Geo Chem.
- 7. Ltr from Don Nanney to Michael Laber, Ford Motor Co., dated Nov. 30, 1999 enclosing copy of Agreement and Covenant Not to Sue Ford Leasing Development.
- ~~8.~~ Notice of Violation from the City of Burbank, dated July 22, 2002 to Bill McNair, Ford Motor Land Corp., re substandard conditions at 777 N. Front Street.
- 9. Ltr. from Don Nanney to Dixon Oriola at LARCQCB, dated Dec. 19, 2001 enclosing Cal/EPA resolution #97,19 and Cal /EPA ltr to Hank H. Yacoub.
- ~~10.~~ Fax to Bussa, Laber, Nanney & Geggie from A. Skobin, Galpin, dated Dec. 18, 1997 re map received from City of Burbank on December 17, 1997.
- ~~11.~~ Buyer's Settlement Statement (Escrow No. 10598), dated March 25, 1998
- ~~12.~~ Ltr to Robert Bruncati, Sunrise Ford, from Stewart Weiner, Ford Motor Co., dated August 19, 2002 re Dealer Policy Board File: 0-31-39-K
- ~~13.~~ Email to Cary Owens, Ford Motor Land, from Janet Carrier, dated May 15, 2002 re Purchase Order Numbers.
- 14. Fax to Rose Shiller from Cary Owens, Ford Motor Land, dated April 4, 2002 re 24 hour central station monitoring system info sheet.
- ~~15.~~ Ltr from Tammy S. Elliot, LandAmerca, to Jean Belanger, Ford Motor Land, dated July 28, 2000 w/ enclosures:
 - ~~a.~~ Deed recorded in Book 5956, Page 342 (missing)
 - ~~b.~~ Easement recorded in Book 3356, Page 195
 - ~~c.~~ Easement recorded in Book 3370, Page 142
 - ~~d.~~ Right of Way recorded in Book 5641, 170

- ~~16.~~ Ltr. from William A. Shubin, Legacy Partners, to Bruce McConnell, Ford Motor Land, dated July 21, 2000 re Legacy's offer to purchase.
- ~~17.~~ Memo to Jamie Dingenan from Dave Harding, CB Richard Ellis, dated July 14, 2000 w/out enclosures.
- 18. Work plan for closure, dated June 25, 2000 (handwritten)
- ~~19.~~ Ltr. to Mike Richards, Showmaker Productions, from Cary Owens, Ford Motor Land, dated August 21, 2000 re termination of license.
- ~~20.~~ Ltr. to Jack Frickle, Pacific Precision Metals, from Cary Owens, Ford Motor Land, dated August 21, 2000, re termination of license.
- ~~21.~~ Proof of Service dated August 22, 2000 signed by Robert Duncan.
- ~~22.~~ Ltr to Jean Belanger, Ford Leasing Dev., from Katrina Gruener, LandAmerica, dated Aug. 10, 2000 with enclosures: Commitment Endorsement to correct legal description, copy of doc 33012-309, copy of doc D170-527.
- ~~23.~~ Fax to Ron Lynn, Ford Motor Land, from Mike Richards, Showmaker Productions, dated November 19, 1999 re License signature pages.
- ~~24.~~ License agreement between Ford Leasing Development and Showmaker Productions, dated November 17, 1999.
- ~~25.~~ Check request form, Ford Motor Land, dated April 11, 2000.
- ~~26.~~ Check request form, Ford Motor Land, dated April 20, 2000.
- ~~27.~~ Check request form, Ford Motor Land, dated May 21, 1998.
- ~~28.~~ Ltr to Jack Frickle, Pacific Precision Metals, from Cary Owens, Ford Motor Land, dated May 31, 2000 re License
- ~~29.~~ Ltr to Jean Belanger, Ford Leasing Development, from Tammy S. Elliot, LandAmerica, dated July 10, 2000 re original title commitment and supporting documents.
- ~~30.~~ Property Condition Report dated Oct. 18, 2000 by Eckland Consultants.
- 31. Ltr to USEPA from Michael Laber, Ford Motor Co., dated July 5, 2000 re payment of \$150,000 to EPA Hazardous Superfund.
- 32. Memorandum of Agreement between USEPA & City of Glendale, dated March 30, 1994 re Remedial Design of the Glendale Operable Units.
- ~~33.~~ Appraisal dated September 5, 2000, by CB Richard Ellis.
- ~~34.~~ Ltr to Jean Belanger, Ford Motor Land, from Tammy S. Elliot, LandAmerica, dated August 4, 2000 re underlying documents.
- 35. Ltr. to Michael Francis, from LACRWQCB, dated April 8, 1996 re soil cleanup
- 36. Encroachment Permit Agreement Soil Vapor Extraction & Monitoring Wells, recorded June 12, 1998.

FIGURES

MD 112/NA-4160E

JKD

Pa

E

DR

F.T.

10%

J101

4951

JC



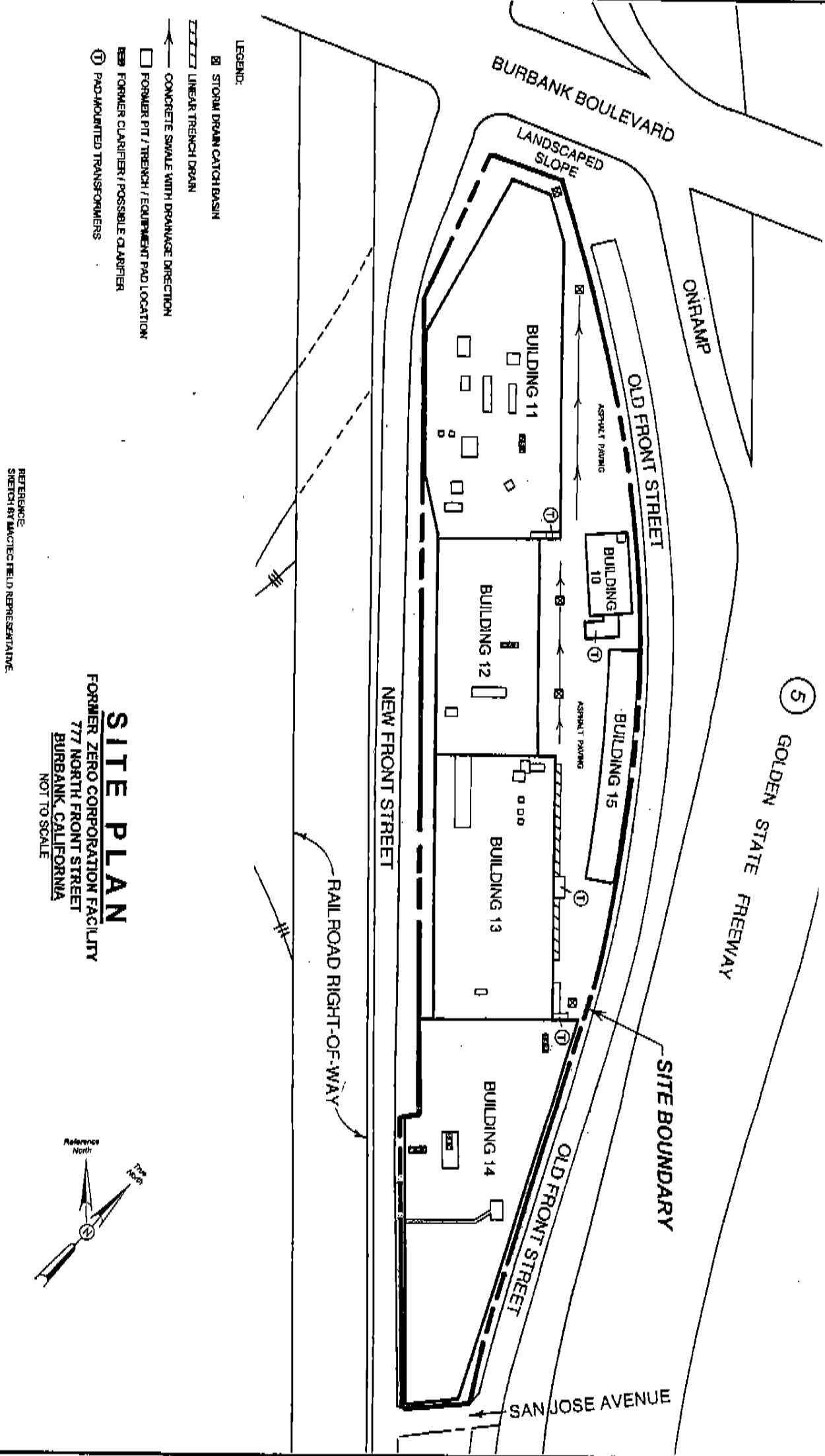
SITE LOCATION MAP
FORMER ZERO CORPORATION FACILITY
777 NORTH FRONT STREET
BURBANK, CALIFORNIA
SCALE 1" = 2400'

REFERENCE:
THE THOMAS GUIDE, THOMAS BROS. MAPS,
LOS ANGELES COUNTY, 2003 EDITION,
PAGES 533 AND 563.



MACTEC

FIGURE 1



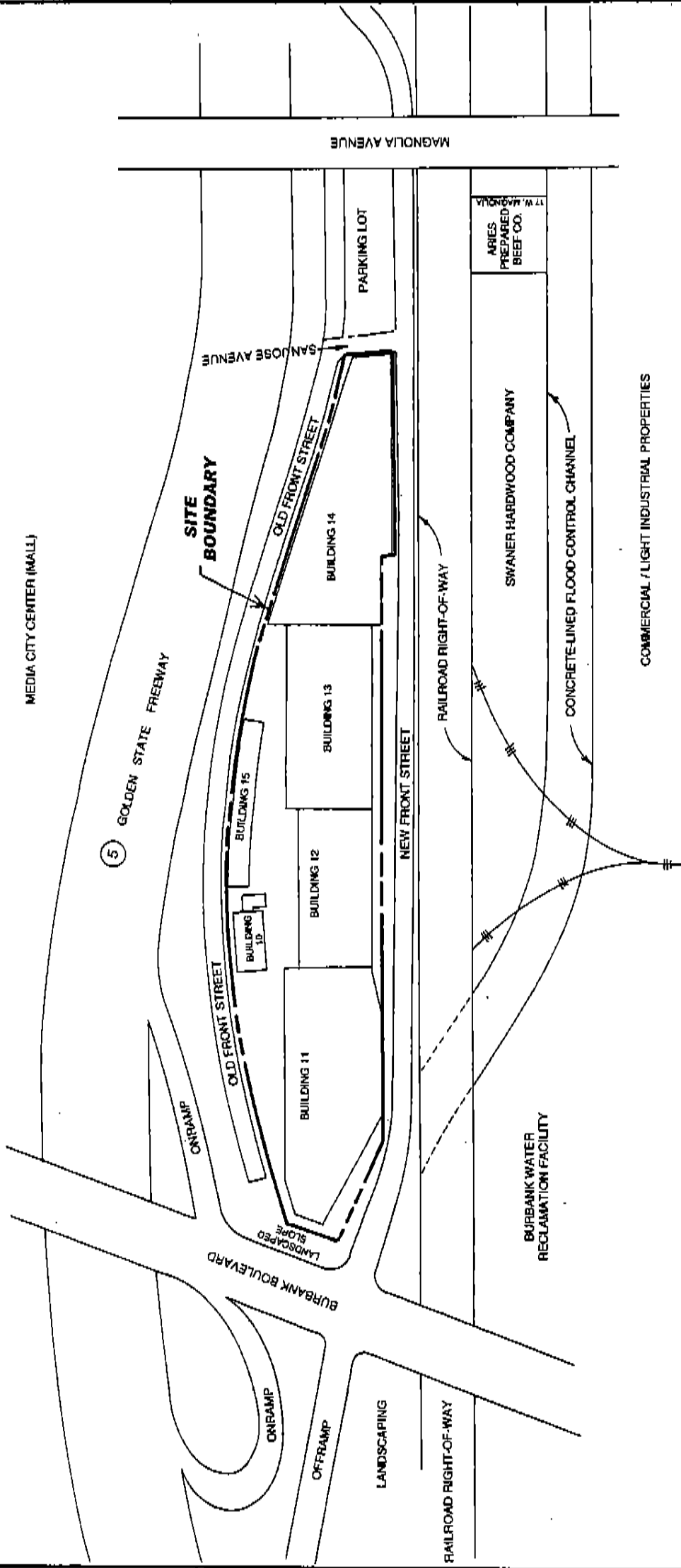
REFERENCE:
SKETCH BY MACTEC FIELD REPRESENTATIVE

SITE AND VICINITY SKETCH
FORMER ZERO CORPORATION FACILITY
777 NORTH FRONT STREET
BURBANK, CALIFORNIA
NOT TO SCALE

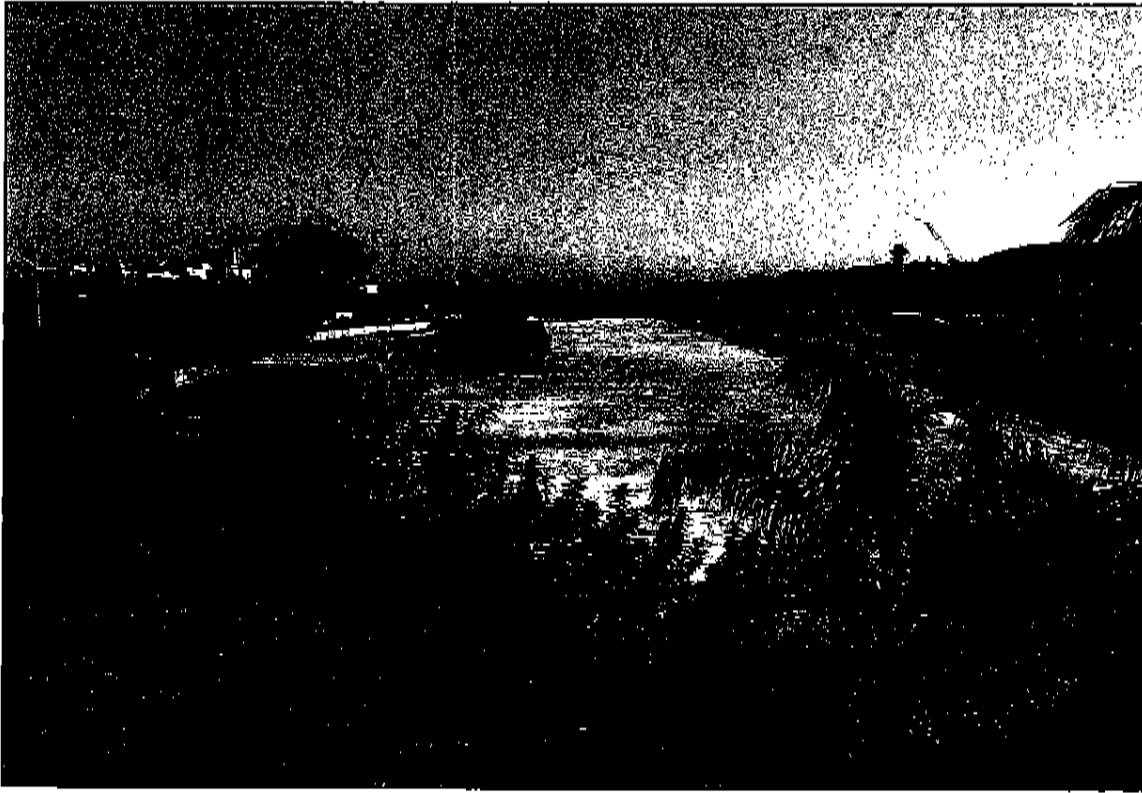


MACTEC

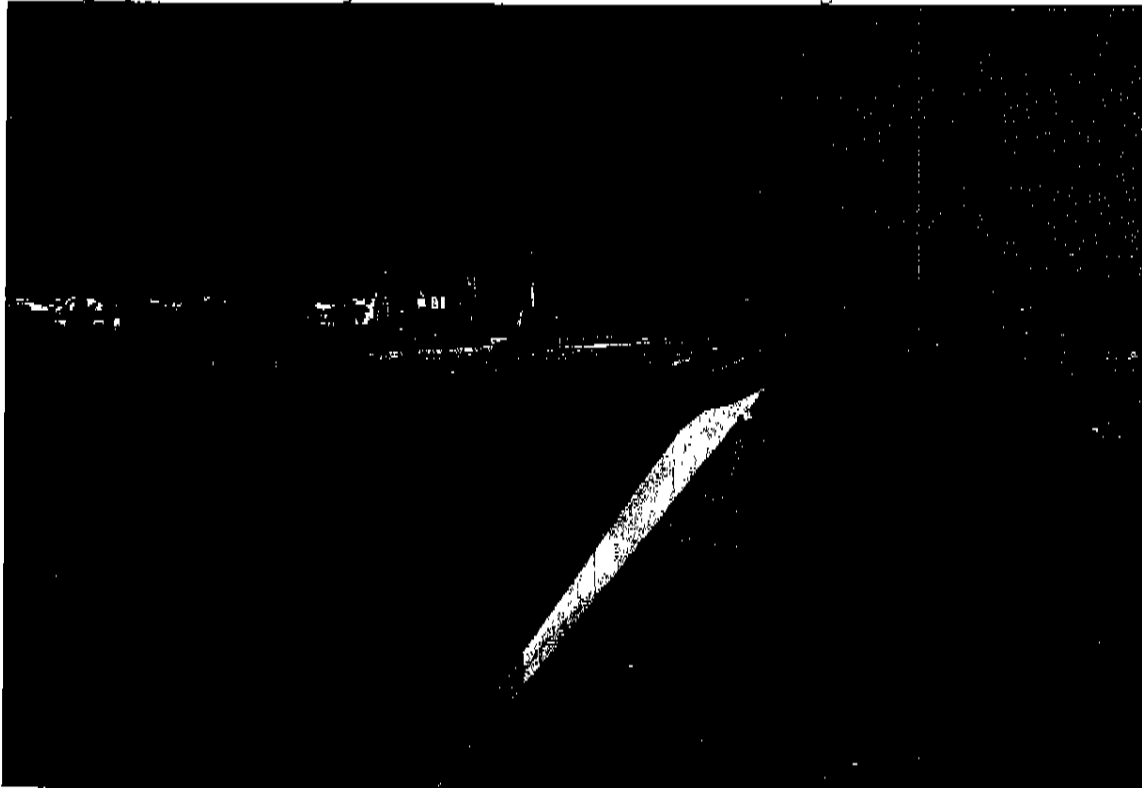
FIGURE 2



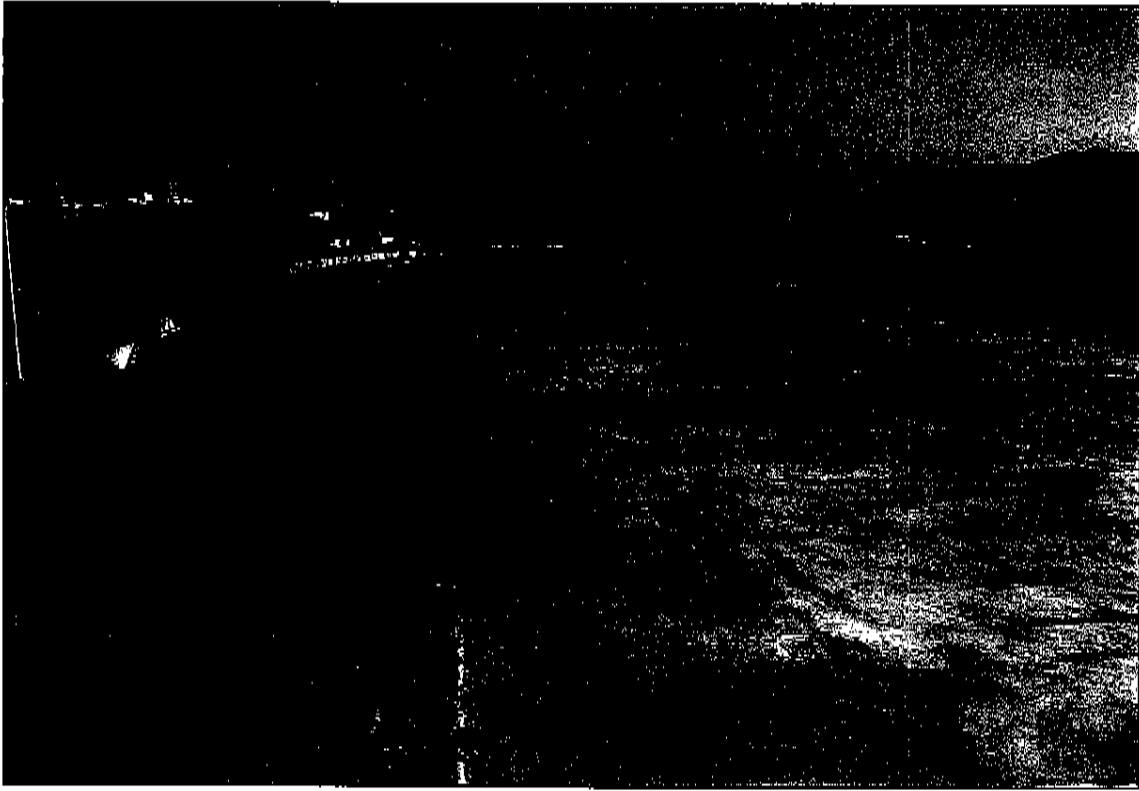
APPENDIX A
PHOTOGRAPHS



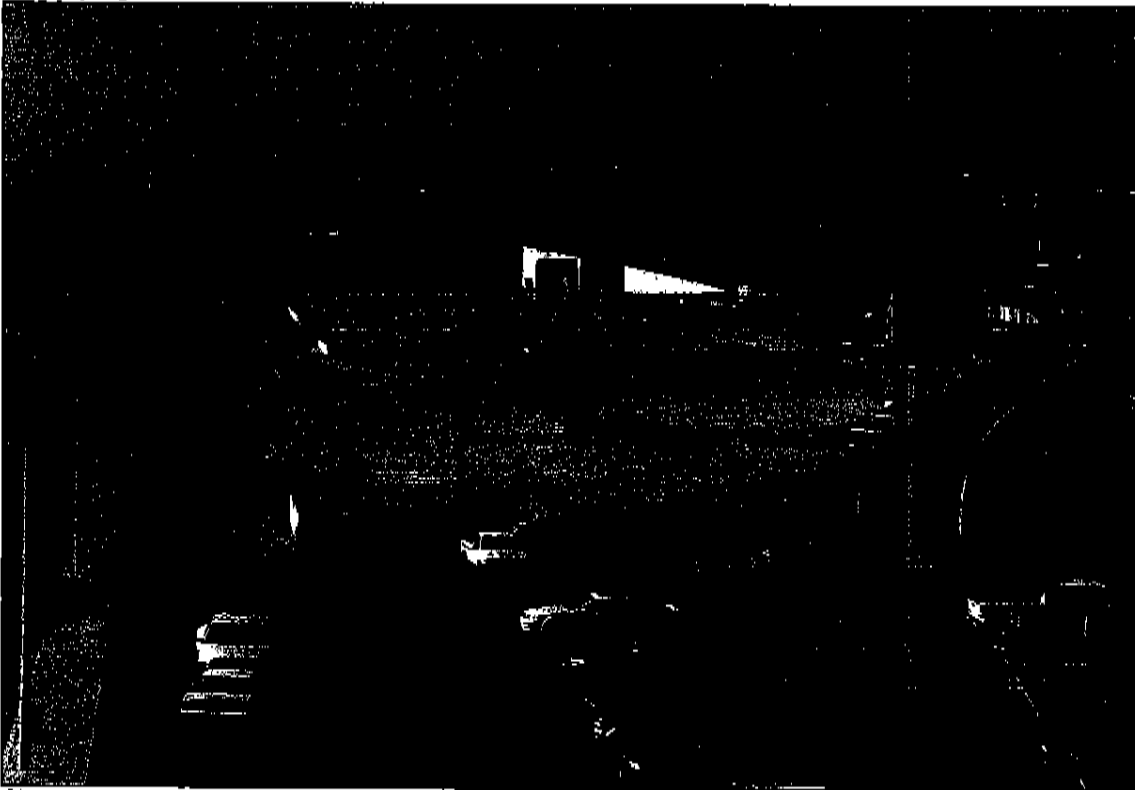
Photograph 1: View of subject site from Burbank Boulevard looking South.



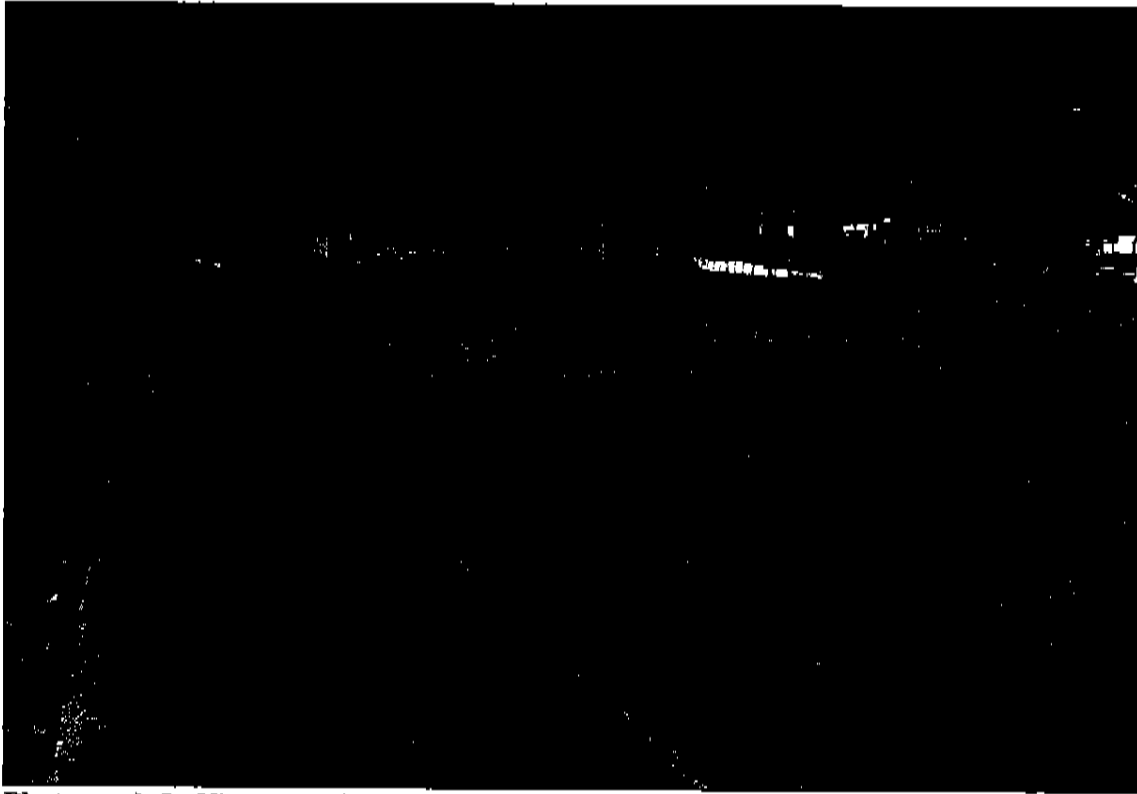
Photograph 2: View of subject site and adjacent railroad right-of-way from Burbank Boulevard looking South.



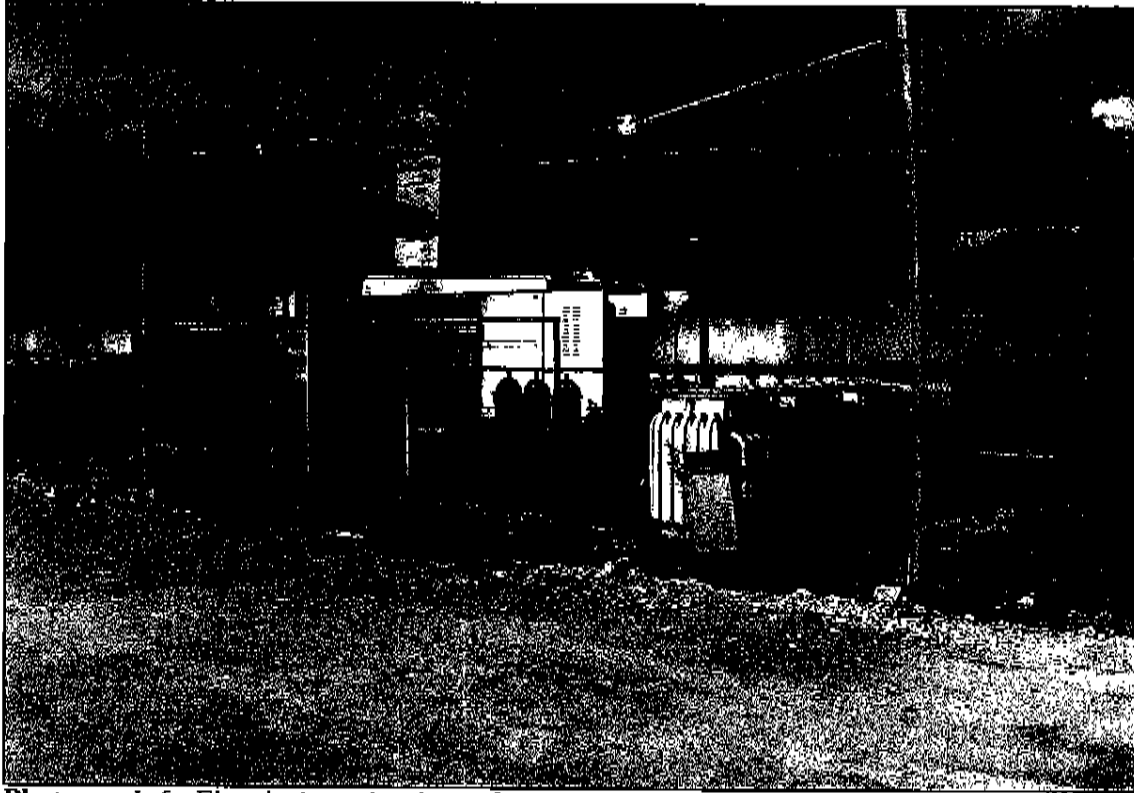
Photograph 3: View towards the South from North end of site.



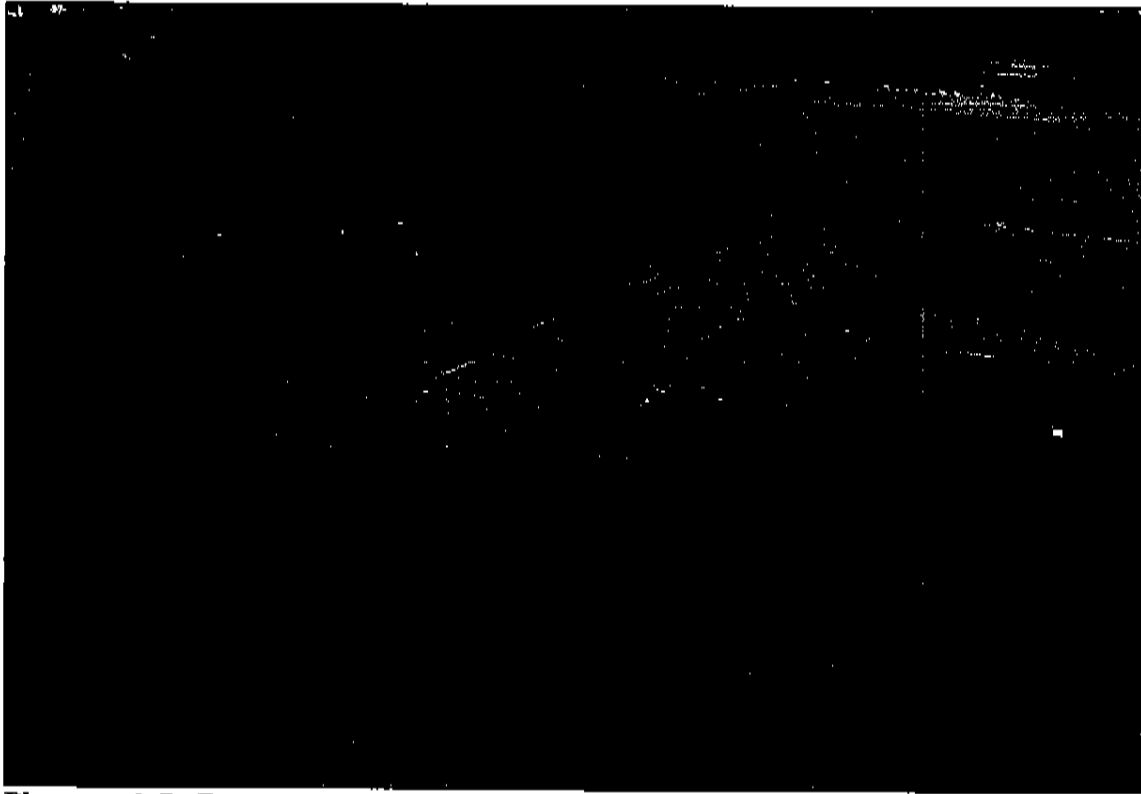
Photograph 4: View of subject site (looking North).



Photograph 5: View towards the North from South end of site.



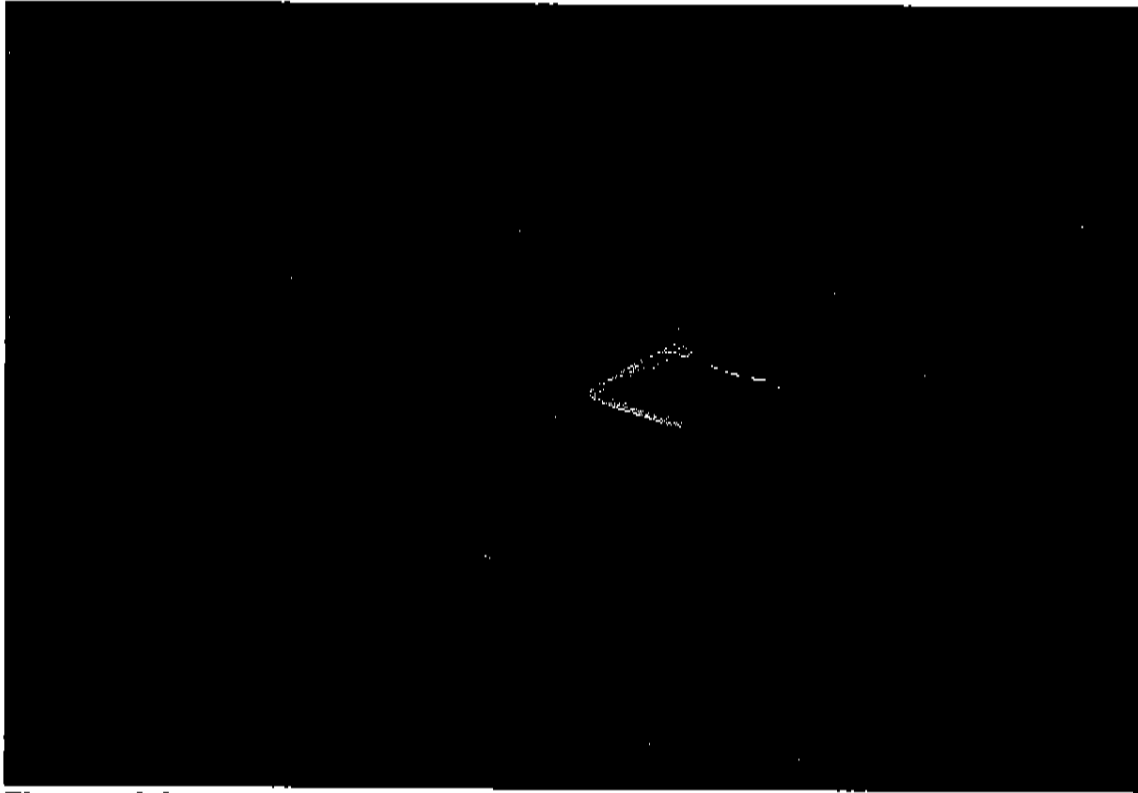
Photograph 6: Electrical panel and transformer enclosure on central portion of site.



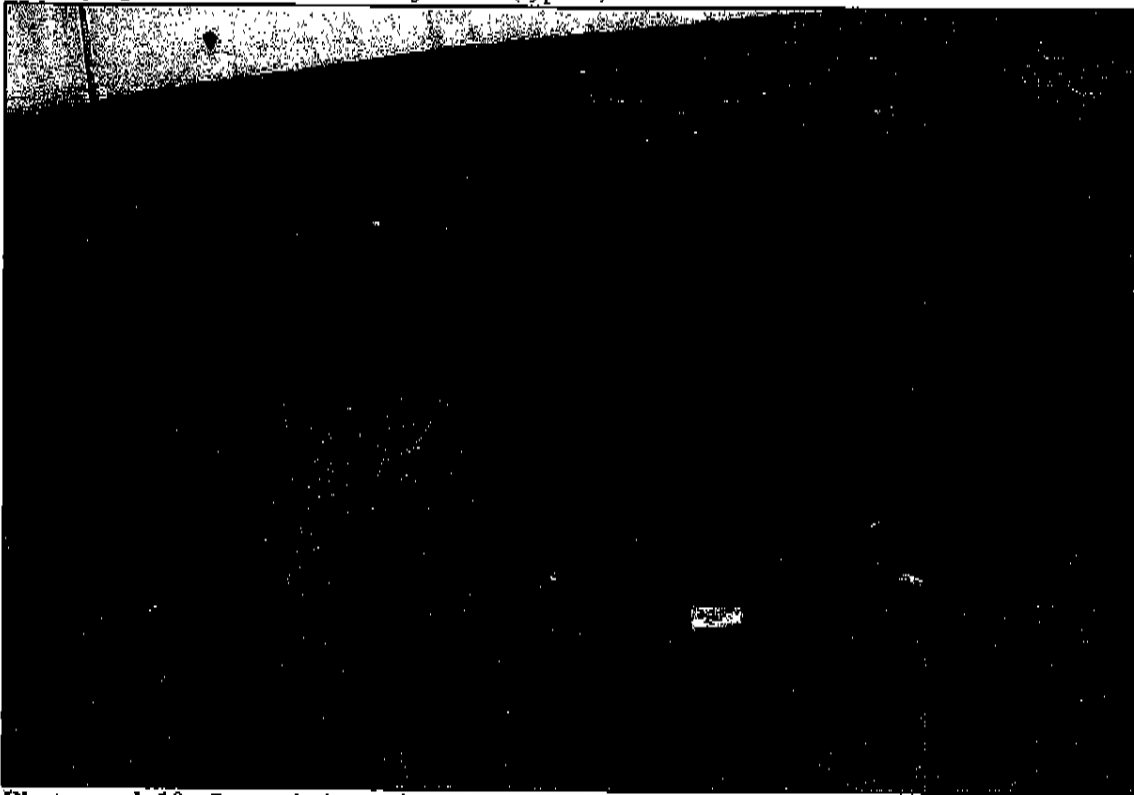
Photograph 7: Former clarifier on subject site (typical).



Photograph 8: Elevator pit located in Former Building 10.



Photograph 9: Floor drain on subject site (typical).



Photograph 10: Storm drain swale and catch basins on North end of subject site.

APPENDIX B
HISTORICAL REFERENCES

BUILDING PERMITS

1964 Geotech Report

-2-

Zero Manufacturing Company

SITE CONDITIONS

The area of construction is within the present facilities of the Zero Manufacturing Company's Front Street site. The immediate area is presently employed for company parking and is paved with asphaltic concrete. The site drains slightly from northeast to southwest. The north side of the proposed building will approach the chain link fence on the company property line; the east side of the proposed building will approach within about 20 feet of a single-story, sheet metal, shop building. No other structures were noted near the area of proposed construction.

At grade (below the asphaltic concrete) in all borings the soils were described as moderately dense, silty sands. With depth, below about 4 or 5 feet, the soils grade to slightly silty, dense sands with occasional gravel. At about 6 or 7 feet in all borings the soils are described as gravelly sands. Borings were terminated at relatively shallow depths (about 9 feet) due to extreme difficulty in drilling. Ground water was not encountered in any of the borings.

CONCLUSIONS

The underlying gravelly sands should offer excellent support for the intended structure. The upper silty sands, extending to about 4 feet below grade, possess relatively high shear strengths; the consolidation characteristics of these sandy soils indicate that rather high settlements could occur under the proposed loading. Due to the importance of the structure, foundations should: (1) extend through the silty sands and seat in the gravels at depths of 6 or 7 feet or; (2) shallow footings could be used providing that the

1965

CITY OF BURBANK
PUBLIC WORKS DEPARTMENT

INDUSTRIAL WASTE
APPLICATION FOR DISCHARGE

1. Firm Name Zero Manufacturing Company
2. Metal Shipping Containers
3. Address 1121 Chestnut Street (mailing)
4. Phone 846 - 4191
5. Process 229 Front Street (job location) Max. gpm Ave. gpd
- | | |
|-------------------------|--------------------|
| #4 Hot water rinse tank | 5 - 10 gals per hr |
| #6 " " " " | " " " " |
| #8 Spray & rinse tank | 1 - 2 " " " |
6. Chemical and physical characteristics of wastes

#4 mild alk. soap cleaner rinse	PH 7.5 - 8.0
#6 Alk. slum. etch (caustic type) rinse	PH 8.5 - 9.0
#8 Chromates rinse (overflow)	PH 5.5 - 6.0
7. Plans, drawings or sketch ☒ Enclosed ☐ On reverse side
8. Name of applicant Paul Kermgard (Printed) (Title)
or
Representative of Firm Paul Kermgard (Signature) Pit. Maint. Foreman 6/10/65
Do Not Write Below This Line
9. Discharge will be to ☒ Sewer ☐ Storm drain ☐ Other
10. Requirements 2 compartment clarifier
11. Approved by B. O. Qu...
12. Date 6-21-65

SUBMITTER
RECEIVED
DATE

PLOT PLAN

LOCATE ALL BUILDINGS ON PROPERTY AS SHOWN AND SHOW USE OF EACH.

BURBANK BLVD.

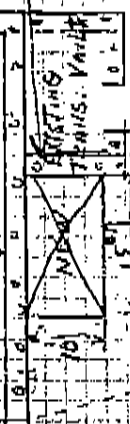
EXISTING WAREHOUSE

MFG. BLDG.

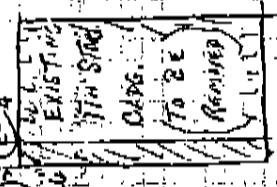
LOT #32

FRONT ST.

CONC. TILT UP WALLS
EXISTING



OUTSIDE
YARD AREA



See Eng. Spec. Drawings
for Detail of Slab.

NO RECORDED EASEMENT WITHIN
CONSTRUCTION AREA

DATE 6/6/54

1965

Mobil Oil Corporation

3700 WEST 190TH STREET
TORRANCE, CALIFORNIA 90503

November 27, 1967

Mr. F. C. Butcher
Director of Public Works
City of Burbank
Burbank, California

Attention: Mr. D. E. Warner

Gentlemen:

This letter serves as notification of Mobil Oil Corporation's objection to the proposed construction of a building by the Zero Manufacturing Company over our petroleum products pipe line in the vicinity of Cypress and Front Streets.

We wish to request of the City of Burbank to withhold the issuance of any permit covering the construction of said building pending the resolvment of the existing pipe line problem.

It would appear prudent not to permit the construction of any type over a petroleum products line and pray that the City of Burbank concurs with our thinking.

Very truly yours,

W.C. Meek
W. C. Meek, Manager
Rights of Way and Claims
West Coast Pipe Lines

PCR:uf:m

PUBLIC WORKS DEPARTMENT	
ASSIGNED TO	
☒	ENGR. DIV.
☐	STREET DIV.
☒	<i>Building</i>
☒	<i>CM</i>
INSTRUCTIONS	
☐	PROCESS
☐	RETURN
☐	FILE
☐	NOTED
☐	

Supt

RELEASED
FOR FILE

EXIST 4 HOUR
UNPROTECTED

EXIST 160' X 325'
52,000 Φ

TYPE III

160' X 325'

PROPOSED 76,500 Φ

PHASE III

TYPE III

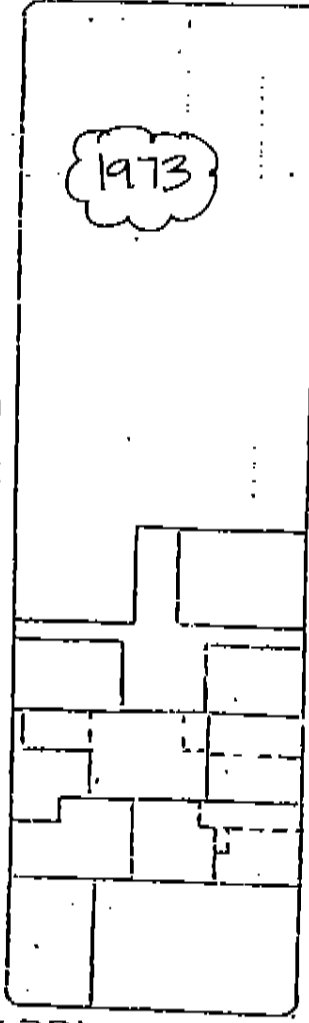
REVISION
ZERO

11/11/11

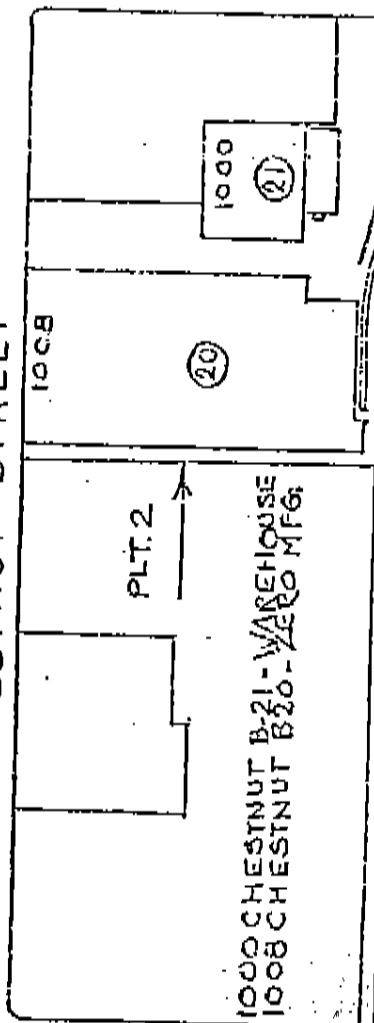
New building numbers which Zero has assigned to Front Street address, effective September 1973 at which time Chestnut and Isabel buildings will be vacated by Zero.

RECEIVED
JUN 12 1973
BLDG. DEPT.
MURKIN

ISABEL STREET



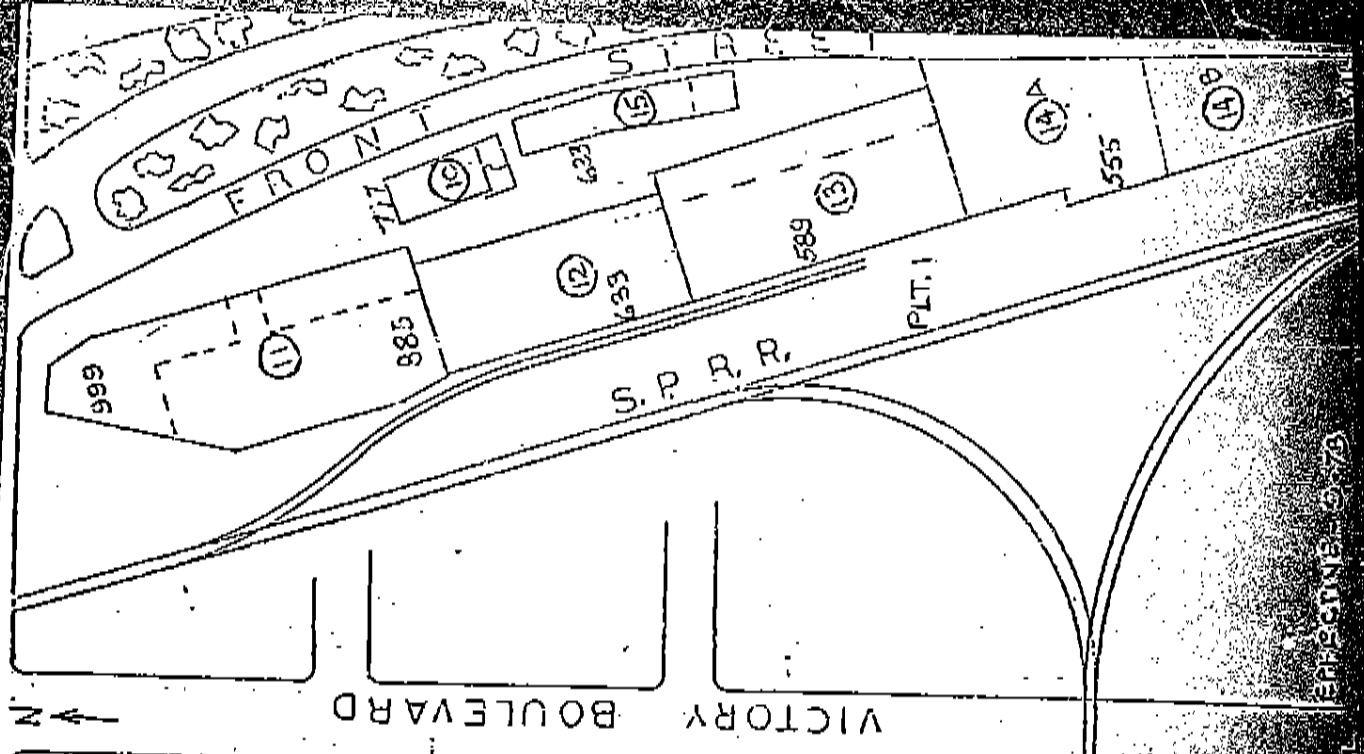
CHESTNUT STREET



1000 CHESTNUT B-21 - WAREHOUSE
1008 CHESTNUT B-20 - ZERO MFG.

CHANDLER BOULEVARD

901 FRONT - B-14-B - ZERO-FOAM
555 FRONT - B-14-A - ZERO-NEST MFG.
589 FRONT - B-13 - SHIPS/RECC-MFG.
639 FRONT - B-12 - ZERO-WEST MFG.
777 FRONT - B-10 - CONCRETE OFFICES, EXCAV. OFFICES -
STAMPING, NEWSPAPER PRINTING, PUBLISHING, PERSONNEL



RECEIVED - 6573



certified testing laboratories, inc.

2454 East 55th Street • Los Angeles, Calif. 90058 • (213) 589-4814

1976

LABORATORY NO. 61458
CLIENT Zero Manufacturing Company
777 Front Street
Burbank, California 91503

REPORTED 11-29-76

SAMPLED

RECEIVED 11-13-76

SAMPLE Spray Paint Booth Effluent

MARKS

#1 - From Booth
#2 - After Clarifier

BASED ON SAMPLE

As Received (Pickup)

Results:

	#1	#2
Biochemical Oxygen Demand (BOD ₅) @ 20° C	144 mg/l	147 mg/l
Chemical Oxygen Demand	508 mg/l	357 mg/l
Suspended Solids	21 mg/l	12 mg/l
pH	6.5 units	6.6 units
Oil & Grease	56 mg/l	39 mg/l
Sulfide	<0.05 mg/l	<0.05 mg/l
Chromium	6.60 mg/l	4.90 mg/l
Lead	0.55 mg/l	0.23 mg/l
Mercury	<0.001 mg/l	<0.001 mg/l
Zinc	0.13 mg/l	0.09 mg/l
Cadmium	<0.01 mg/l	<0.01 mg/l
Arsenic	<0.01 mg/l	<0.01 mg/l
Phenols	<0.1 mg/l	<0.1 mg/l
Chlorinated Hydrocarbons	none detected	none detected

Respectfully submitted, ..

CERTIFIED TESTING LABORATORIES, INC.

Stuart E. Salor, Ph.D.

This report applies only to the sample, or samples, investigated and is not necessarily indicative of the quality or condition of apparently identical or similar products. As a mutual protection to clients, the public and these Laboratories, this report is submitted and accepted for the exclusive use of the client to whom it is addressed and upon the condition that it is not to be used, in whole or in part, in any advertising or publicity matter without prior written authorization from these Laboratories.

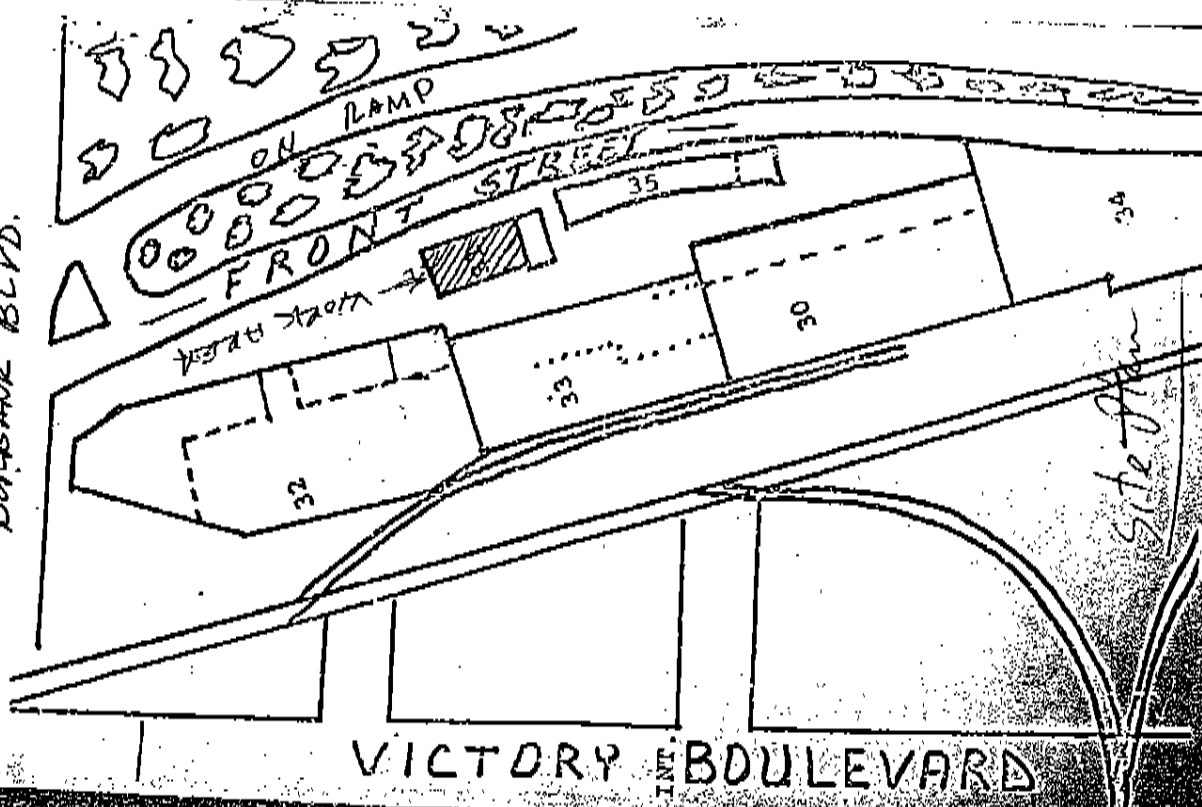
INSPECTION RECORD

INSPECTION	SIGNATURE	DATE
ON		

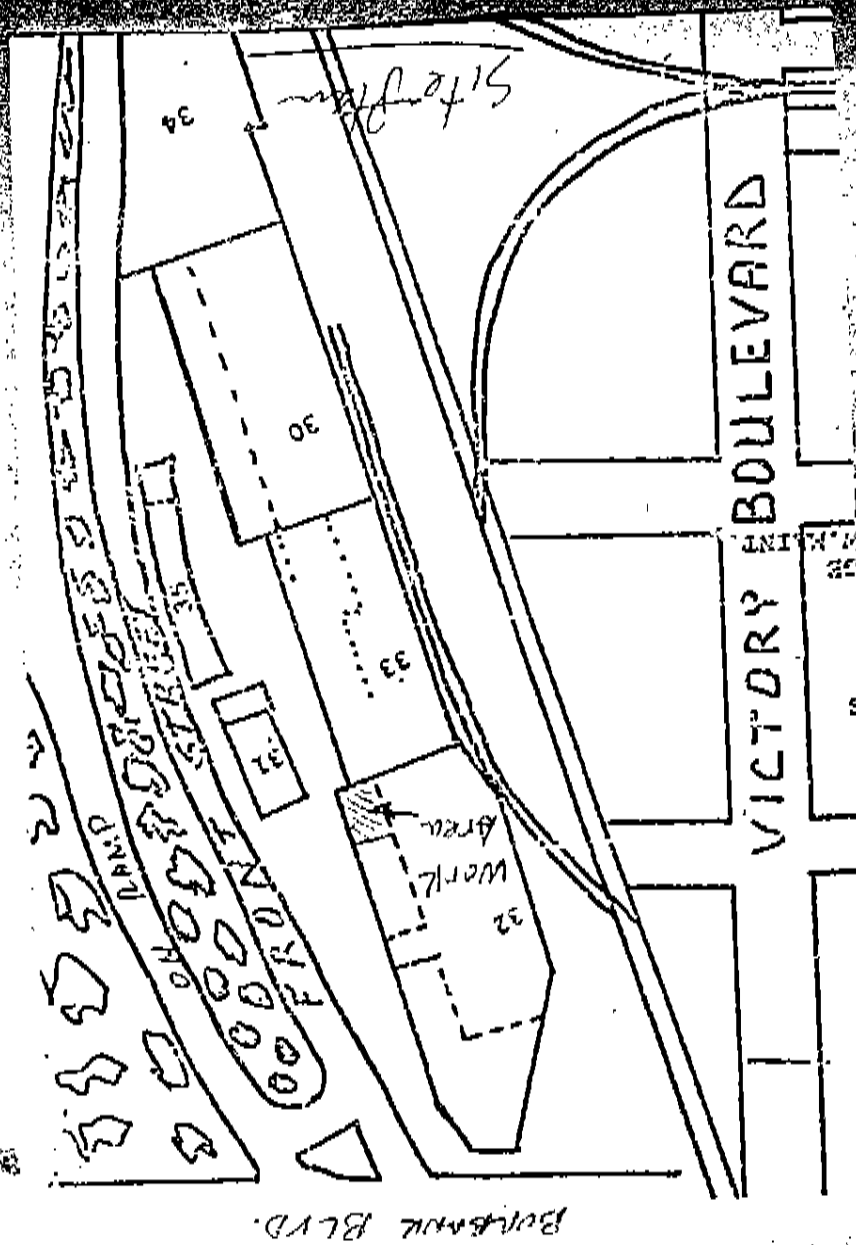
Bar 11/11/84 RRK

1984

BUNBANK BLVD.



VICTORY BOULEVARD



1987?

**CITY OF BURBANK
BUILDING DEPARTMENT**
WHEN PROPERLY VALIDATED THIS IS YOUR PERMIT

Permit Issued:

Plan Check:

PLANNING DEPARTMENT USE ONLY				JOB ADDRESS	
COUNTY ASSESSOR	REQUIRED PARKING SPACES	777 Front St.		UNITS OF SUITES NO.	
Block	ENCLOSED	BUILDING		LOT BLOCK TRACT	
Page	UNCOVERED				
CONDITIONAL USE PERMIT ☐	REQUIRED LOADING SPACES				
ZONE VARIANCE ☐	YARDS (DISTANCE IN FEET)				
Per. No.	Front				
	Side				
	Rear				
USE ZONE	SITE PLAN APPROVAL	NEW BUILDING ☐ ADDITION ☐ ALTERATION ☐		DESCRIPTION OF WORK	
SITE REVIEW COMMITTEE	Date	Removal of 2-5000 gallon			
	By	gas TANKS (UNDERGROUND)			
PUBLIC WORKS DEPARTMENT USE ONLY				NO COMPACTION	
SEWER AVAILABLE YES ☐ NO ☐	STREET IMPROVEMENT INSPECTION	Zero Corporation		OWNER'S ADDRESS	
CONNECTION CHANGE	Permit No.	777 N. Front St.		PHONE 818 846-4141	
RELOCATION	Permit No.				
CURB CUT WIDTH	Permit No.				
Approved	Permit No.				
SITE PLAN CHECKED FOR EASEMENTS	CALIF. NO. PERMIT REQUIRED				
By	YES ☐ NO ☐				
RECEIVED PROTECTION RECORD	REQUIRE EXISTING CURB CUT				
By	YES ☐ NO ☐				
By	PUBLIC WORKS DEPARTMENT				
By	REQUIREMENTS NOTED				
By	CHECK SHEET				
By					
BUILDING DEPARTMENT USE ONLY				ARCHITECT/BLDG. DESIGNER	
ENCROACHMENT PERMIT	FIRE ZONE	OCCUPANCY GROUP	TYPE OF CONST.	STATE LIC. NO. PHONE	
Is it not required by				ENGINEER	
PLAN CHECKING	BUILDING PERMIT FEE			STATE LIC. NO. PHONE	
By	By			CONTRACTOR	
REDEVELOPMENT AGENCY USE ONLY				REKIMIAN F. ASHIC (714) 895-5535	
Approval By	CONSTRUCTION LENDER			CONTRACTOR'S ADDRESS	
B ☐ E ☐ H ☐				15142 Golden West Cir	
NAME				CITY Westminster CA 92683	
ADDRESS	CITY	STATE	STATE LIC. NO. CITY REG. NO.		
			C61500563 20380		
- IMPORTANT DECLARATION - (please read before signing)			FIRST FLOOR AREA NEW BLDG. (Sq. Ft.) BASEMENT AREA (Sq. Ft.)		
I hereby acknowledge that I have read this application and that the information stated herein is true. I agree to comply with all ordinances and State laws regulating building construction.			HEIGHT OF NEW BLDG. AREA OF EXIST. BLDG. IE ADDITION (Sq. Ft.)		
I hereby certify that I am properly registered and/or licensed as required by the City of Burbank and/or State of California, or that I am the legal owner of the above described property, and I certify that in the performance of the work for which this permit is issued I shall not employ any person who does not possess these contractors' licenses required by law.			NUMBER OF STORIES FIRE SPRINKLERS YES ☐ NO ☐ AIR CONDITIONED YES ☐ NO ☐		
I further certify that I shall not employ any person to perform any work hereunder, so as to become subject to the California Workers' Compensation Laws, or that if I employ any person to perform work hereunder, I will maintain a current policy of Workers' Compensation Insurance pursuant to the laws of the State of California during the life of this permit. No work will commence hereunder by any other person, partnership, association or corporation that employs others until they first file their own copy of a current Certificate of Workers' Compensation Insurance with the City of Burbank.			TOTAL AREA OF NEW CONSTRUCTION (Sq. Ft.) BLDG. GAR.		
I understand and agree that should I fail to comply with the above, this permit shall be deemed revoked.			VALUATION OF JOB \$		
SIGNATURE OF PERMITTEE			VALUATION HEREIN IS BASED SOLELY UPON 1980 BUILDING VALUATION DATA. SUCH VALUATION DOES NOT NECESSARILY REFLECT THE FAIR MARKET VALUE OF CONSTRUCTION IMPROVEMENTS.		
APPLICATION APPROVED BY			FOR INSPECTION CALL (818) 953-9541 8 to 5		
			ROUGH FINAL		

COMMENTS:

SITE PLAN

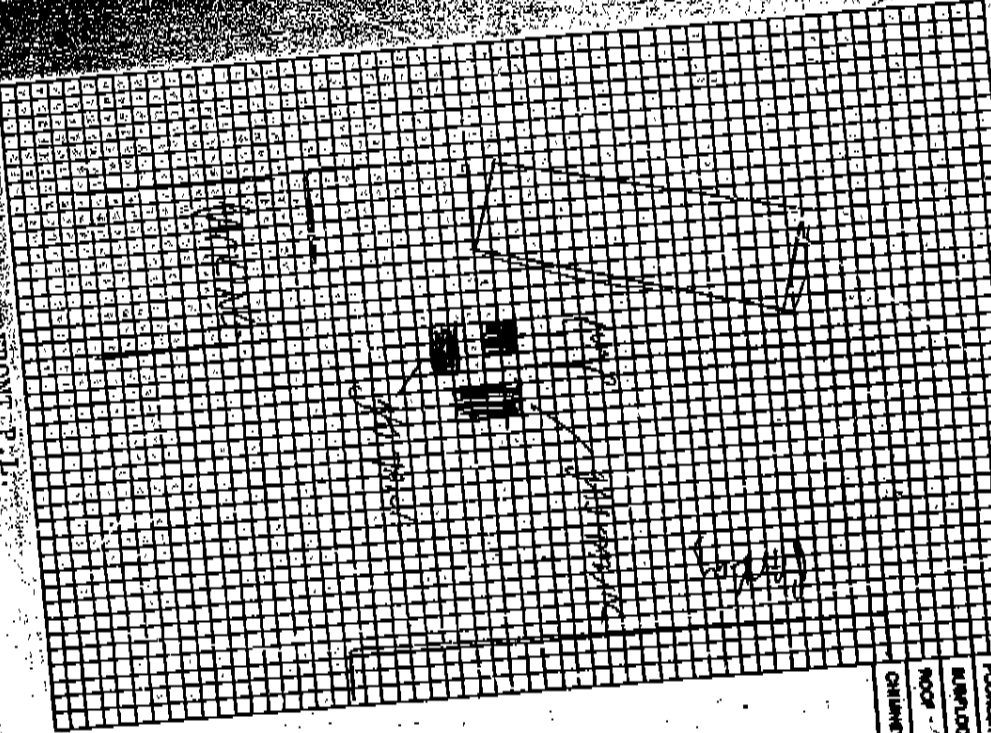
LOCATE ALL BUILDINGS ON PROPERTY BY DIMENSIONS AND STATE USE OF EACH.

REAR P.L.

INSPECTION RECORD

APPROVALS	INSPECTION	DATE
FOUNDATION		
BLINDING		
ROOF		
CHIMNEY		

Location of
USIS



FRONT P.L.

**CITY OF BURBANK
COMMUNITY DEVELOPMENT DEPARTMENT
BUILDING DIVISION**

03/03/72 83040 BUILDIT 13500
WHEN PROPERLY VALIDATED THIS IS YOUR PERMIT

13040 JOB ADDRESS 277 Grant St Burbank, CA 91503		PLUMBING	
OWNER ZEPH CORPORATION		OWNER'S ADDRESS 1441 Flower St. Suite 2100 Los Angeles, CA 90015	
CONTRACTOR AMERICAN ENVIRONMENTAL INC.		CONTRACTOR'S ADDRESS 1100 S. Main Ave. Suite 210 Burbank, CA 91503	
CONTRACTOR'S CITY BURBANK		CONTRACTOR'S STATE CA	
CONTRACTOR'S PHONE 755-2331		CONTRACTOR'S REG. NO. 56101	
CITY BURBANK		ZIP 91503	
BLDG. NEW		EXTRA FEE NONE	
FLOORS TO BE LEFT OPEN UNTIL PERMIT IS INSTALLED AND INSPECTED 1		NEW WORK YES	
TOTAL FEE \$135.00		PERMIT TO BE CIPPED OFF IN 14 DAYS	
FOR INSPECTION CALL (818) 653-9331 7 AM TO 5 PM		SIGNATURE OF PERMITTEE [Signature]	
APPLICATION APPROVED BY [Signature]		DATE 3/3/72	

NUMBER	DESCRIPTION	AMOUNT
1	Gas Systems	\$15.00
2	Up to 14" 1/2"	
3	15 to 24" 1/2"	\$7.50
4	25 to 36" 1/2"	\$10.00
5	37 to 48" 1/2"	\$13.00
6	Over 48" 1/2"	\$15.00
7	Gas Regulator, medium pressure	\$3.00
8	Water heater and/or vent	\$7.50
9	Water Closet	\$5.00
10	Bath Tub	\$5.00
11	Shower, Pan	\$5.00
12	SINK - Kitchen	\$5.00
13	Garbage Disposal	\$5.00
14	Drinking Fountain	\$5.00
15	Laundry Tray	\$5.00
16	Floor Drain or Floor Sink	\$5.00
17	Industrial Waste System	\$25.00
18	Septic or Sewage Ejector System	\$25.00
19	SEWER	
20	Water Based (for Dishwasher)	\$2.00
21	Water Based (for Dishwasher)	\$2.00
22	Water Based (for Dishwasher)	\$2.00
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99	Water Based (for Dishwasher)	\$2.00
100	Water Based (for Dishwasher)	\$2.00

IMPORTANT DECLARATION
 (Please read and sign before filing)

I hereby declare that the above information is true and correct to the best of my knowledge and belief, and that I am not aware of any facts or circumstances which might render the same false or misleading. I understand that any false or misleading information may result in the revocation of this permit and may subject me to criminal and civil penalties.

SIGNATURE OF PERMITTEE: [Signature]
 APPLICATION APPROVED BY: [Signature]

GOLDEN STATE FREEWAY ENTRANCE

FRONT ST

CONC RETAINING WALL

PARKING

480V 3Ø 800AMP

EXIST

CAN WASHER
6HP

JOGGLE PRESS
25HP

5 Toggle PRESSES

80 HP

11 HDRO'S PRESSES

60HP 40HP 40HP 40HP

3Ø 480V 800 AMP

EXIST

25HP

7 1/2 HP

75HP

25HP

60HP

130HP

70HP

130HP

NO SCAL

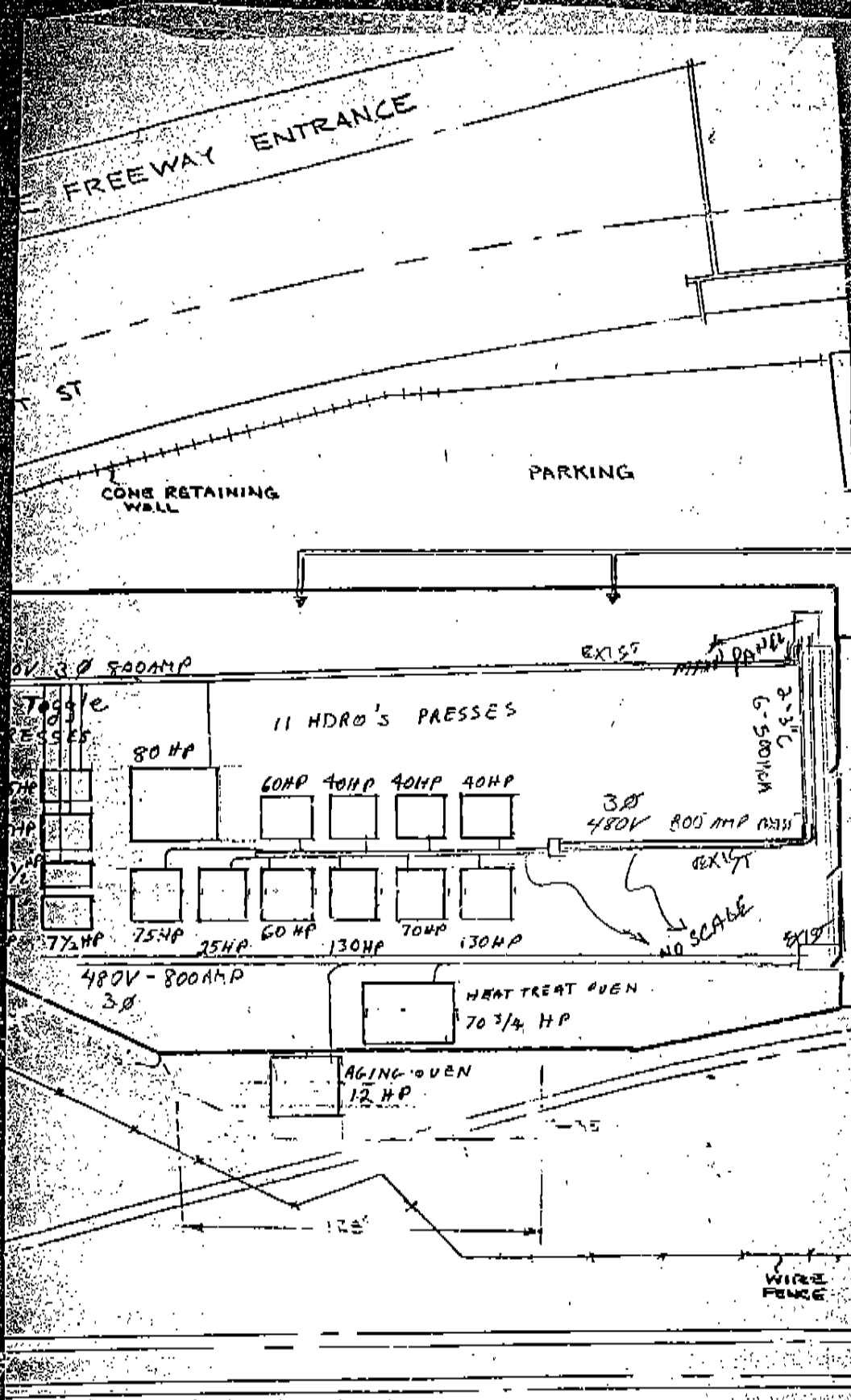
480V-800AMP
3Ø

HEAT TREAT OVEN
70 3/4 HP

AGING OVEN
12 HP

FLOOD CONTROL CHANNEL

123'



WATER FLOW & P.H.
ADD NEW CLARIFIER FOR CHECK POINT

EXISTING CLARIFIER METAL CLEANING
TANKS - 141 - 142

750 GAL. NEW CLARIFIER

8" CAST IRON SEWER

PAINT BOOTH
141 - 144

METAL CLEANING TANK # 1471 - 1476
750 GAL. NEW CLARIFIER

PROCESSING METAL CLEANING
TANK # 1451 - 1456

- CLARIFIERS
- TANK AREA
- PAINT BOOTH'S
- REST ROOMS
- PURPOSED ROUTE
- EXISTING SEWAGE
- INDUSTRIAL WASTE & R.P.

INDUSTRIAL
WASTE & R.P.

INDUSTRIAL WASTE & R.P.

METAL CLEANING AND ANODIZING
TANKS # 1111 THROUGH 1118

EXISTING CLARIFIER

750 GAL. OLD CLARIFIER

OLD TANK
AREA

BLDG-111

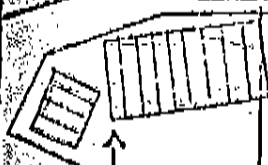
METAL CLEANING
TANK NO. 121 THROUGH 129

750 GAL. NEW CLARIFIER

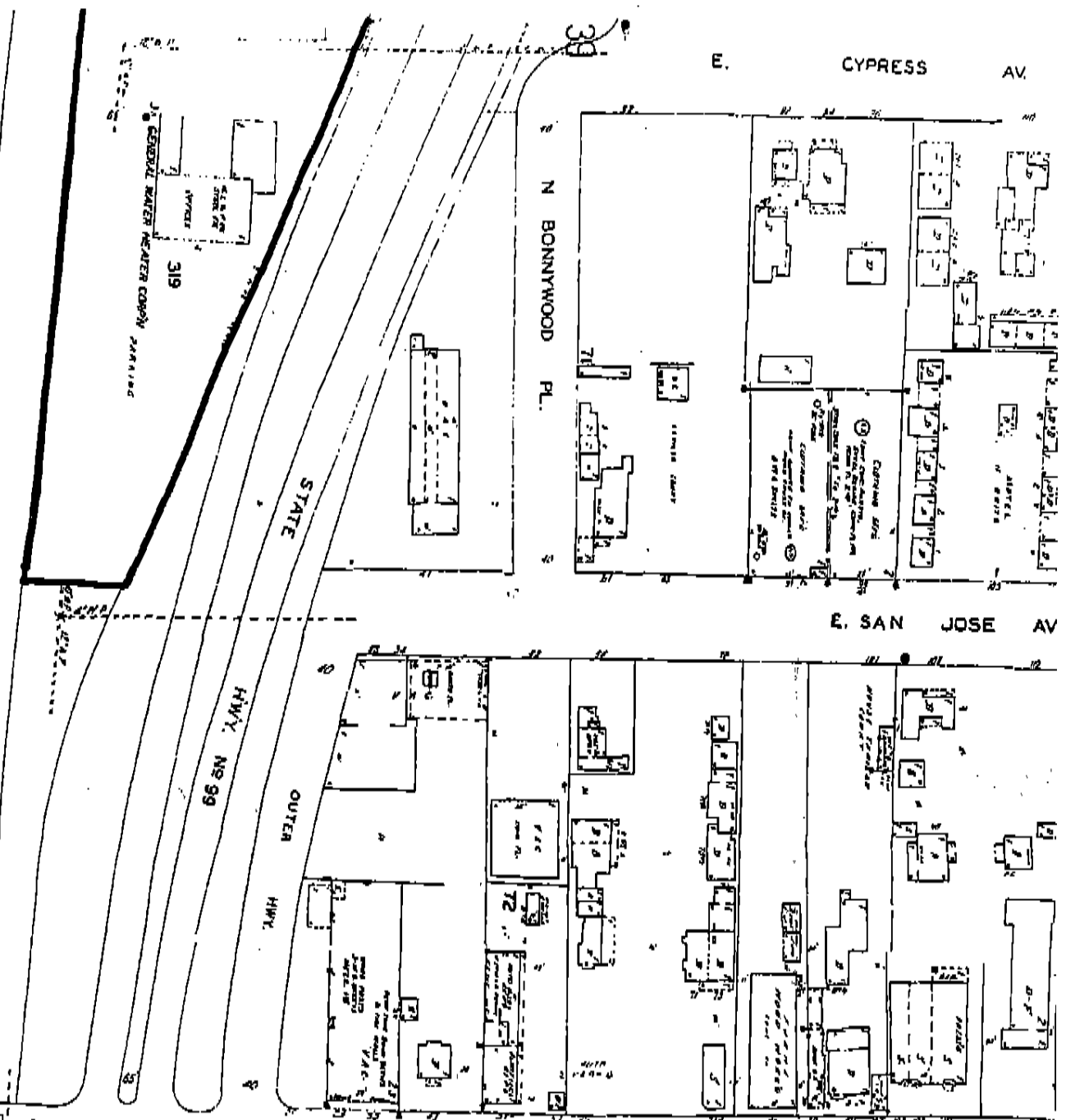
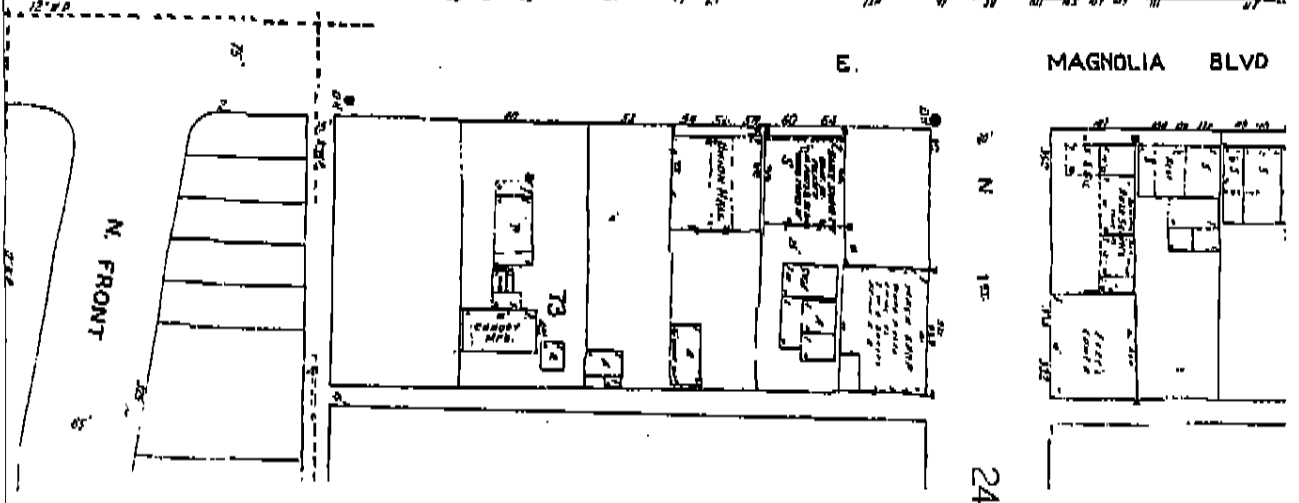
PAINT BOOTH
121- 125

FRONT STREET

10



SANBORN MAPS

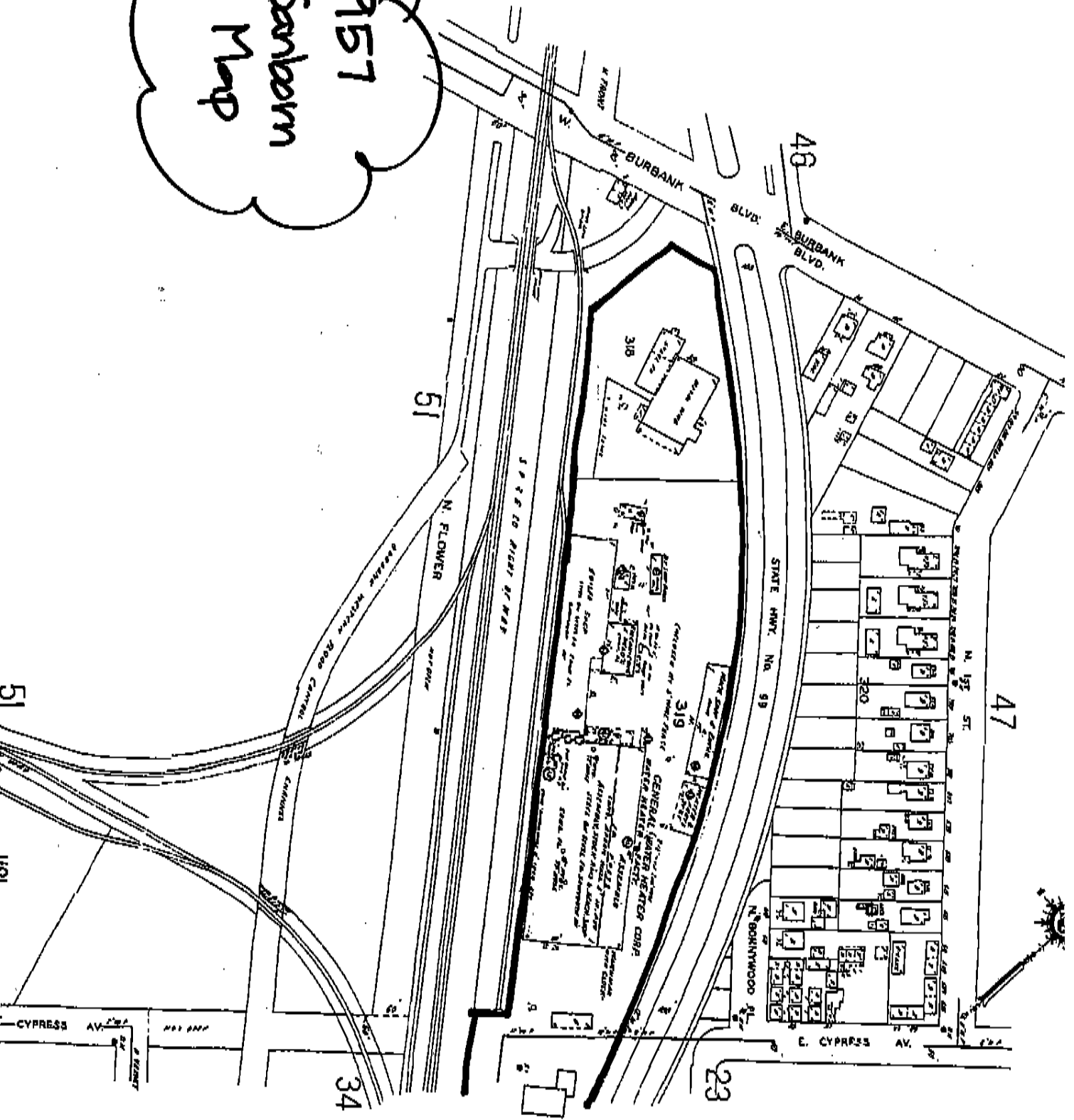


The Sanborn Library, LLC

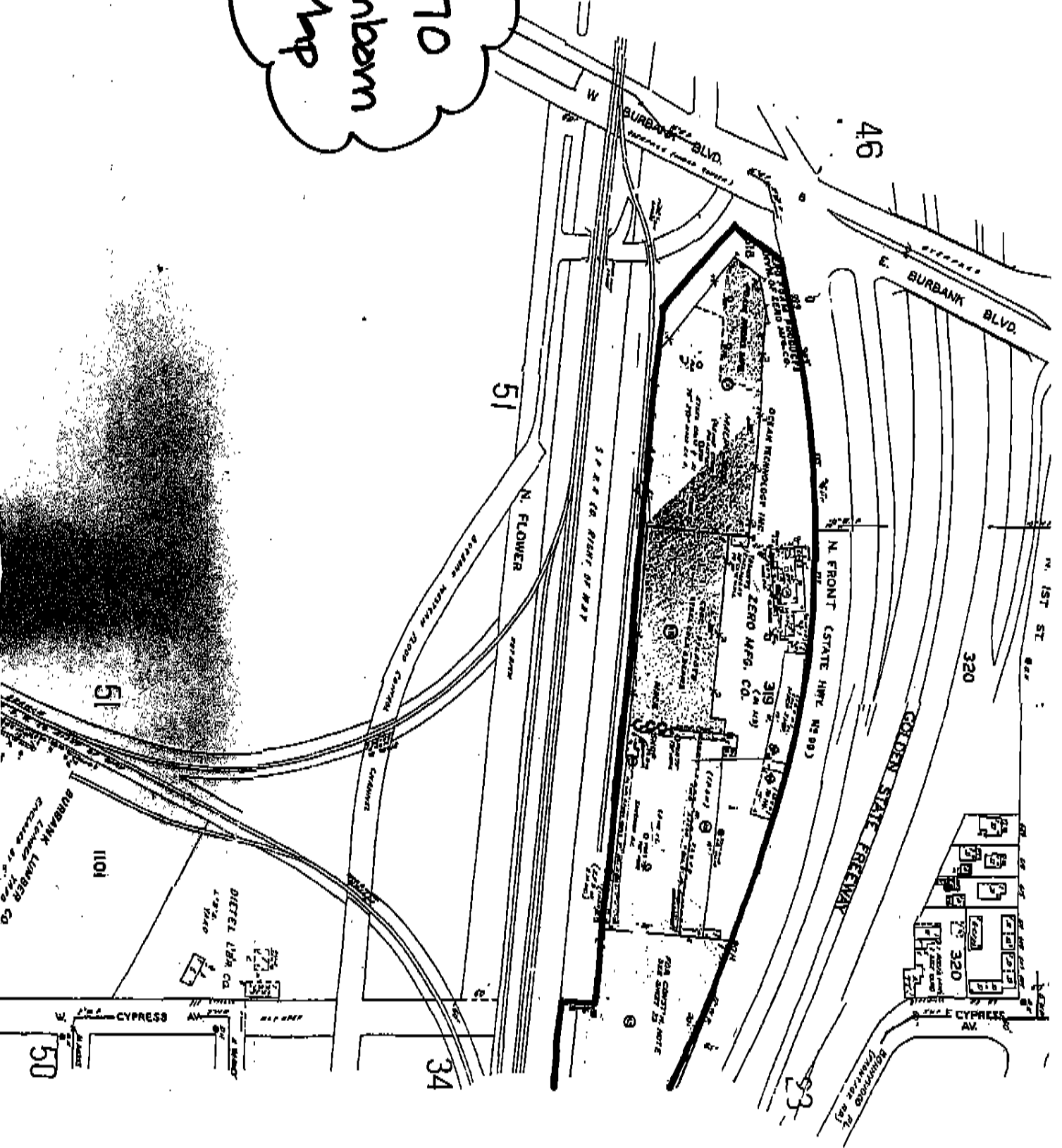
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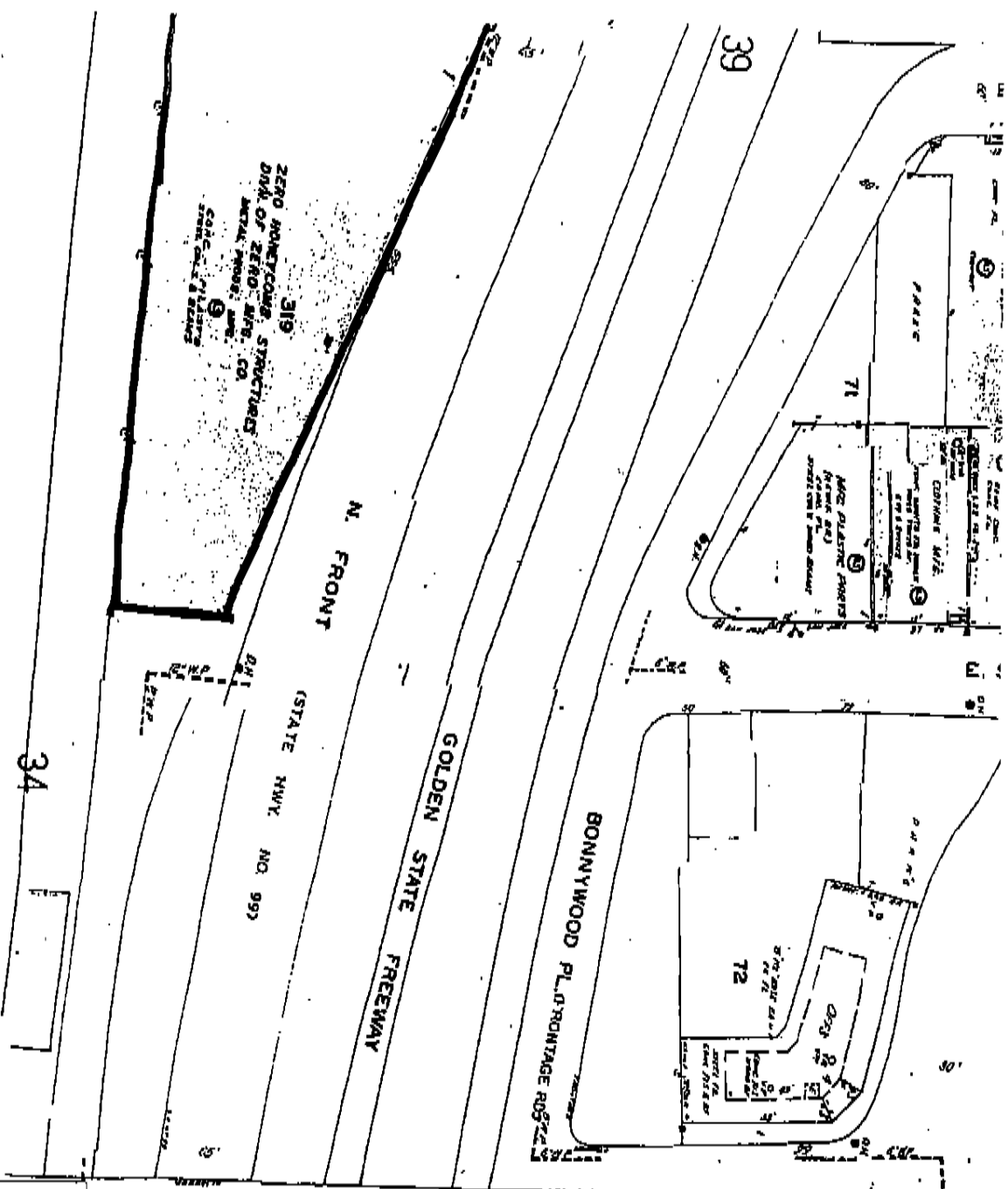
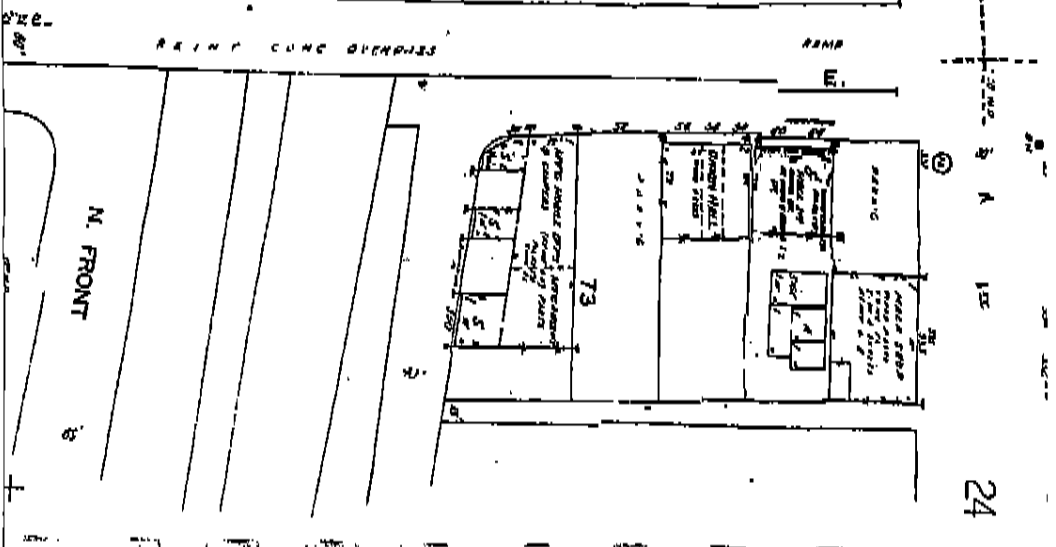
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 AMB
 Environmental Resources

1957
Sanborn
Map



1970
Sanbern
Map





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APPENDIX D

REGULATORY AGENCY CLOSURE LETTERS



Peter M. Roney
Secretary for
Environmental
Protection

California Environmental Protection Agency

Air Resources Board • Department of Pesticide Regulation • Department of Toxic Substances Control
Integrated Waste Management Board • Office of Environmental Health Hazard Assessment
State Water Resources Control Board • Regional Water Quality Control Boards



Pete Wilson
Governor

March 30, 1998

Mr. Hank H. Yacoub
Cleanup Section Chief
Regional Water Quality Control Board - Los Angeles
101 Centre Plaza Drive
Monterey Park, California 91754-2156

Dear Mr. Yacoub:

DESIGNATION OF AN ADMINISTERING AGENCY FOR ZERO CORPORATION - 777 FRONT STREET, BURBANK, CALIFORNIA COUNTY OF LOS ANGELES

Pursuant to Health and Safety Code, Division 20, Chapter 6.65, Section 25260 *et seq.* (AB 2061, Chapter 1184, Statutes of 1993 (Umberg)), the Site Designation Committee has designated the Regional Water Quality Control Board as the administering agency for the Zero Corporation hazardous materials release site (site). The site is located at 777 Front Street, Burbank, California, County of Los Angeles. Enclosed is a copy of approved Resolution No. 97-19.

The administering agency's responsibilities include administering all state and local laws that govern the site cleanup, determining the adequacy and extent of cleanup, issuance of necessary authorizations and permits, and following the determination that an approved remedy has been accomplished, issuance of a certificate of completion. All of these activities should be administered after consultation with other regulatory agencies having jurisdiction over cleanup activities at the site. The administering agency should hold an initial meeting with support agencies to clarify roles, arrange cost recovery contracts, and set project proposed timeliness.

If requested, a Consultative Work Group can assist in coordinating all site investigation and remediation activities. The work group would consist of front-line staff from all appropriate agencies. As the administering agency, your staff should

Mr. Hank H. Yacoub
March 30, 1998
Page 2

organize and chair meetings of the work group if one is formed. The work group should meet within 45 days of designation and as often as necessary thereafter. The administering agency, and any interested members of the work group, should meet with the responsible party to discuss the results of the meetings within 60 days of designation.

To optimize coordination, the work group would develop a work plan for site cleanup. The work plan should layout the time frame for accomplishing site cleanup activities. The work plan should identify all permits and authorizations necessary for site cleanup; requirements for compliance with appropriate agency laws, ordinances and regulations; and areas where regulatory duplication and overlap can be eliminated. Streamlining the process should be emphasized.

Please keep us advised of the progress made on this site cleanup by providing reports on a regular basis. Enclosed is a recommended reporting form.

This new program, and all our existing programs, can be successful only if original and flexible processes are used to implement our state's high environmental standards. I am confident that your staff has the expertise and ingenuity to make this Site Designation application a model of success. The Office of the Secretary supports and is available to assist you in these efforts. If you have any concerns, please call Ms. Laurie Grouard, Acting Site Designation Coordinator, at (916) 323-3394.

Sincerely,



Kenneth Selover, Chair
Site Designation Committee

Enclosures

cc: See next page.

Mr. Hank H. Yacoub
March 30, 1998
Page 3

cc: Mr. Michael A. Francis, Esq.
Zero Corporation
444 South Figueroa Street, 21st floor
Los Angeles, California 90071

Mr. Eric Nupen
Regional Water Quality Control Board
101 Centre Plaza Drive
Monterey Park, California 91754

**CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY
SITE DESIGNATION COMMITTEE
RESOLUTION NO. 97-19
FEBRUARY 5, 1998
ZERO CORPORATION, BURBANK, CA**

WHEREAS, Chapter 6.65 of the Health and Safety Code, commencing with Section 25260 establishes a Site Designation Committee; and

WHEREAS, the Site Designation Committee may designate an administering agency to oversee a site investigation and remedial action at a hazardous materials release site upon request of a responsible party; and

WHEREAS, Zero Corporation, a responsible party as defined in Health and Safety Code Section 25260(h), requested the Site Designation Committee to designate an administering agency to oversee site investigation and remedial action at Zero Corporation's property within the San Fernando Valley Area 2 Crystal Springs Superfund Site, Glendale North and South Operable Units, and areas where hazardous materials have migrated from that property, at 777 North Front Street, Burbank, Los Angeles, Los Angeles County, California, more particularly described in Attachment B; and

WHEREAS, this site is a hazardous materials release site as defined in Health and Safety Code Section 25260; and

WHEREAS, the Site Designation Committee held a meeting on February 5, 1998, and provided an opportunity at the meeting for public comment regarding the application; and

WHEREAS, the Site Designation Committee considered the application and furthermore, considered all factors and criteria set forth in Health and Safety Code Section 25262(c); and

WHEREAS, Zero Corporation agrees to reimburse appropriate agencies for their appropriate oversight costs and/or costs of permit development, where those agencies' significant involvement and/or permit development is necessary for the furtherance of the project goals; and

WHEREAS, the Site Designation Committee has determined that, based on consideration of all of the factors listed in Health and Safety Code Section 25262(c), the California Regional Water Quality Control Board, Los Angeles Region, is the appropriate agency to act as the administering agency; and

WHEREAS, designation of an administering agency by the Site Designation Committee and compliance with state and local requirements does not release the responsible party from liability under the federal Comprehensive Environmental Response, Compensation, and Liability Act or other federal requirements.

**SITE DESIGNATION COMMITTEE
RESOLUTION NO. 97-19
Page Two**

NOW, THEREFORE BE IT RESOLVED that the Site Designation Committee hereby designates the California Regional Water Quality Control Board, Los Angeles Region, as the administering agency for the site; and

BE IT FURTHER RESOLVED that this designation is subject to the following conditions:

1. California Regional Water Quality Control Board, Los Angeles Region, shall consult, on an ongoing basis, with all appropriate agencies who have expressed an interest in this site, including all agencies who would otherwise be issuing a permit or other form of authorization:
 - a) in administering all state and local laws which are applicable;
 - b) in determining the adequacy of site investigation and remedial action activities; and
 - c) prior to issuing any permit or other form of authorization.
2. Such consultation will also include notification if information becomes available to the administering agency that the original application was inaccurate or was incomplete.
3. If an advisory team is convened by the Site Designation Committee, a representative of the administering agency shall attend all advisory team meetings.
4. The California Regional Water Quality Control Board, Los Angeles Region, shall submit quarterly reports to the Site Designation Committee and to other appropriate agencies concerning the status of the investigation and/or remediation of the Site and shall comply with applicable public participation requirements.

CERTIFICATION

The undersigned Chair of the Site Designation Committee does hereby certify that the foregoing is a full, true, and correct copy of a resolution duly and regularly adopted at a meeting of the Site Designation Committee held in Sacramento, California on February 5, 1998.

DATED: March 30, 1998


Kenneth Selover, Chair
Site Designation Committee



California Regional Water Quality Control Board

Los Angeles Region

Winston H. Hickox
Secretary for
Environmental
Protection

Over 50 Years Serving Coastal Los Angeles and Ventura Counties
Recipient of the 2001 Environmental Leadership Award from Keep California Beautiful

320 W. 4th Street, Suite 200, Los Angeles, California 90013
Phone (213) 576-6600 FAX (213) 576-6640 - Internet Address: <http://www.swrwh.ca.gov/rwqcb4>



Gray Davis
Governor

November 28, 2001

Mr. Ronald D. Habel
APW North America, Inc.
18 Maplewood Drive
Wilbraham, MA 01095

**NO FURTHER REQUIREMENTS - FORMER ZERO CORPORATION FACILITY,
777 FRONT STREET, BURBANK, CALIFORNIA (FILE NO. (109.6162;PCA NO. 2046J)**

Dear Mr. Habel:

We are in receipt of the *Supplemental Site Closure Information* report, dated August 23, 2001, prepared by Hydro-Geo-Chem Inc., for the subject site. The report contains the results of the soil vapor rebound sampling following the completion of additional soil vapor extraction in impacted areas designated as Phase 2 (Deep Soil Vapor Extraction Program) for removal of tetrachloroethylene (PCE) and trichloroethylene (TCE) contamination. The report also contained your request for no further action based on the submitted laboratory analytical results.

Laboratory analysis of soil vapor samples detected rebound concentrations of 11 µg/L for PCE in Well B-2 at 25 feet below ground surface (bgs). TCE concentrations were reduced to non-detect at 85 feet bgs. No other volatile organic compounds (VOC) were detected above the laboratory detection limits. Groundwater beneath the site is reported to be encountered at depths ranging from 94 feet bgs in MW-3 to 126 feet bgs in MW-7.

Based on our review of the available information and with the provision that the information provided to this agency was accurate and representative of site conditions, we have no further requirements for VOC soil contamination with respect to the San Fernando Valley Cleanup Program at the subject site.

The relatively small volume of impacted soil, attenuation of concentrations with depth, and the diminished concentration of VOCs remaining in the soil appear not to pose a present or continuing threat to groundwater quality. Therefore, no further VOC assessment or cleanup of soil is warranted.

California Environmental Protection Agency

The energy challenge facing California is real. Every Californian needs to take immediate action to reduce energy consumption
For a list of simple ways to reduce demand and cut your energy costs, see the tips at: <http://www.swrwh.ca.gov/news/challenge.html>



Our mission is to preserve and enhance the quality of California's water resources for the benefit of present and future generations

Mr. Ronald D. Habel
APW North America, Inc.

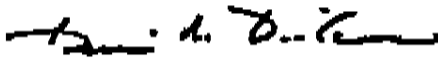
- 2 -

November 28, 2001

The jurisdiction requirements of other agencies, such as the U.S. Environmental Protection Agency, are not affected by the Board's "no further requirements" determination. Such agencies may choose to make their own determination concerning the site.

If you have any questions, please call Mr. Elijah Hill at (213) 576-6730.

Sincerely,



Dennis A. Dlekerson
Executive Officer

cc: Mr. David Stensby, USEPA Region IX, San Francisco
Mr. Michael Lauffer, SWRCB, Office of the Chief Counsel
Mr. Robert Sarns, SWRCB, Office of the Chief Counsel
Mr. Mel Blevins, ULARA Watermaster
Mr. John J. Ward, Hydro Geo Chem, Inc.
Mr. Michael A. Francis, Demetriou, Del Guercio, Springer & Francis
Mr. Donald C. Nanney, Gilchrist & Rutter

California Environmental Protection Agency

The energy challenge facing California is real. Every Californian needs to take immediate action to reduce energy consumption
For a list of simple ways to reduce demand and cut your energy costs, see the list at http://www.pwrch.ca.gov/energy_challenge.html



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California Regional Water Quality Control Board

Los Angeles Region



Winston H. Hickox
Secretary for
Environmental
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Over 50 Years Serving Coastal Los Angeles and Ventura Counties
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Gray Davis
Governor

320 W. 4th Street, Suite 200, Los Angeles, California 90013
Phone (213) 576-6600 FAX (213) 576-6640 - Internet Address: <http://www.swrcb.ca.gov/rwqcb4>

July 1, 2002

Mr. Ronald D. Habel
APW North America, Inc.
18 Maplewood Drive
Wilbraham, MA 01095

CERTIFICATE OF COMPLETION – APW NORTH AMERICA, INC. (FORMER ZERO CORPORATION) 777 FRONT STREET, BURBANK, CA (FILE NO. 109.6162; PCA NO. 2046J)

Dear Mr. Habel:

This letter transmits the attached *Certificate of Completion* for the subject site in accordance with State Board Resolution No. 97-17. Site mitigation activities have satisfied the requirements of all agencies concerned with the hazardous substance release. Thank you for your cooperation throughout this investigation. Your willingness and promptness in responding to our inquiries is greatly appreciated.

This notice is issued pursuant to California Health and Safety Code Section 25264.

If you have any questions concerning this letter, please contact Mr. Dixon Oriola at (213) 576-6803 or Mr. Elijah Hill at (213) 576-6730.

Sincerely,

Dennis A. Dickerson
Executive Officer

Enclosures

cc: See next page

California Environmental Protection Agency

The energy challenge facing California is real. Every Californian needs to take immediate action to reduce energy consumption
For a list of simple ways to reduce demand and cut your energy costs, see the tips at: <http://www.swrcb.ca.gov/news/ecochallenge.html>



Our mission is to preserve and enhance the quality of California's water resources for the benefit of present and future generations.

Mr. Ronald d. Habel
APW North America, Inc.

- 2 -

July 1, 2002

cc: Mr. Don Johnson, State Department of Toxic Substances Control, Site Designation
Committee,

Mr. Michael Lauffer, State Water Resources Control Board, Office of Chief Counsel

Mr. Robert Sams, State Water Resources Control Board, Office of Chief Counsel

Ms. Sayareh Amirebrahimi, State Department of Toxic Substances Control, Glendale
Office

Ms. Vera Melnyk Vecchio, State Department of Health Services, Drinking Water Field
Operations Branch

Mr. David Stensby, US Environmental Protection Agency

Mr. Mel Blevins, Upper Los Angeles River Area Watermaster

California Environmental Protection Agency

The energy challenge facing California is real. Every Californian needs to take immediate action to reduce energy consumption
For a list of simple ways to reduce demand and cut your energy costs, see the tips at: <http://www.swrch.ca.gov/news/echallenge.html>



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Our mission is to preserve and enhance the quality of California's water resources for the benefit of present and future generations.

Number 97-19

CERTIFICATE OF COMPLETION

Unified Agency Review of Hazardous Materials Release Sites
California Health and Safety Code § 25260-25268

Los Angeles Regional Water Quality Control Board was designated as the Administering Agency by the Site Designation Committee after a request by APW North America Inc., a Delaware Corporation, formerly known as Zero Corporation to oversee the Site Investigation and Remedial Action at 777 North Front Street, Burbank, CA (the Hazardous Materials Release Site). See Resolution No. 97-19, attached as Exhibit A to this Certificate.

In accordance with Health and Safety Code § 25264, the Administering Agency, after appropriate consultation with other agencies, has determined and/or certifies that:

1. The Site Investigation and Remedial Action at the Site has been satisfactorily completed and a permanent remedy has been accomplished [§ 25264(b)]. Actions taken are described in Exhibit B attached.
2. Applicable Remedial Action standards and objectives were achieved [§ 25264(b)].
3. The Responsible Party has complied with the requirements of all state and local laws, ordinances, regulations, and standards that are applicable to the Site Investigation and Remedial Action [§ 25264(c)].

No agency may take action against the Responsible Party with respect to the hazardous materials release at the site except as specified in Health and Safety Code § 25264(c)(1) through (6).

Issued this 30th day of June, 2002 by the
Administering Agency

Name: Dennis A Dickerson

Signature: Dennis A. Dickerson

Title: Executive Officer

APPENDIX C

THE EDR-RADIUS MAP WITH GEOCHECK®



EDR™ Environmental
Data Resources Inc

The EDR Radius Map with GeoCheck®

**Former Zero Corporation Facility
777 North Front Street
Burbank, CA 91502**

Inquiry Number: 1285242.2s

October 11, 2004

The Standard in Environmental Risk Management Information

**440 Wheelers Farms Road
Milford, Connecticut 06460**

Nationwide Customer Service

**Telephone: 1-800-352-0050
Fax: 1-800-231-6802
Internet: www.edrnet.com**

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Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc. (EDR). The report meets the government records search requirements of ASTM Standard Practice for Environmental Site Assessments, E 1527-00. Search distances are per ASTM standard or custom distances requested by the user.

TARGET PROPERTY INFORMATION

ADDRESS

777 NORTH FRONT STREET
BURBANK, CA 91502

COORDINATES

Latitude (North): 34.183100 - 34° 10' 59.2"
Longitude (West): 118.316300 - 118° 18' 58.7"
Universal Transverse Mercator: Zone 11
UTM X (Meters): 378697.3
UTM Y (Meters): 3783046.0
Elevation: 584 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property: 34118-B3 BURBANK, CA
Source: USGS 7.5 min quad index

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following government records. For more information on this property see page 6 of the attached EDR Radius Map report:

<u>Site</u>	<u>Database(s)</u>	<u>EPA ID</u>
INDEPENDENCE INC 777 FRONT ST BURBANK, CA 91502	HAZNET	N/A
ERRY GATES-THE CROW 777 FRONT ST BURBANK, CA 91503	HAZNET	N/A
UNOCAL SS #0535 777 FRONT BURBANK, CA 91503	Cortese HAZNET CA SLIC	N/A
ZERO WEST DIVISION 777 FRONT STREET BURBANK, CA 91502	EMI LOS ANGELES CO. HMS	N/A
ZERO WEST DIV. 777 N FRONT ST BURBANK, CA. 91502	HIST UST	N/A

EXECUTIVE SUMMARY

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the ASTM E 1527-00 search radius around the target property for the following databases:

FEDERAL ASTM STANDARD

Proposed NPL..... Proposed National Priority List Sites
ERNS..... Emergency Response Notification System

STATE ASTM STANDARD

CHMIRS..... California Hazardous Material Incident Report System
Toxic Pits..... Toxic Pits Cleanup Act Sites
SWF/LF..... Solid Waste Information System
WMUDS/SWAT..... Waste Management Unit Database
CA BOND EXP. PLAN..... Bond Expenditure Plan
INDIAN UST..... Underground Storage Tanks on Indian Land
INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land

FEDERAL ASTM SUPPLEMENTAL

CONSENT..... Superfund (CERCLA) Consent Decrees
Delisted NPL..... National Priority List Deletions
HMIRS..... Hazardous Materials Information Reporting System
MLTS..... Material Licensing Tracking System
MINES..... Mines Master Index File
NPL Liens..... Federal Superfund Liens
PADS..... PCB Activity Database System
UMTRA..... Uranium Mill Tailings Sites
ODI..... Open Dump Inventory
FUDS..... Formerly Used Defense Sites
DOD..... Department of Defense Sites
INDIAN RESERV..... Indian Reservations
RAATS..... RCRA Administrative Action Tracking System
TRIS..... Toxic Chemical Release Inventory System
TSCA..... Toxic Substances Control Act
SSTS..... Section 7 Tracking Systems
FITS INSP..... FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

STATE OR LOCAL ASTM SUPPLEMENTAL

AST..... Aboveground Petroleum Storage Tank Facilities
CA WDS..... Waste Discharge System
DEED..... List of Deed Restrictions
NFE..... Properties Needing Further Evaluation
SCH..... School Property Evaluation Program
REF..... Unconfirmed Properties Referred to Another Agency
NFA..... No Further Action Determination
LA Co. Site Mitigation..... Site Mitigation List

EXECUTIVE SUMMARY

AOCONCERN..... San Gabriel Valley Areas of Concern

BROWNFIELDS DATABASES

US BROWNFIELDS..... A Listing of Brownfields Sites

EDR PROPRIETARY HISTORICAL DATABASES

See the EDR Proprietary Historical Database Section for details

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.

Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in *bold italics* are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

FEDERAL ASTM STANDARD

NPL: Also known as Superfund, the National Priority List database is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund program. The source of this database is the U.S. EPA.

A review of the NPL list, as provided by EDR, and dated 07/30/2004 has revealed that there is 1 NPL site within approximately 1.125 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<i>SAN FERNANDO VALLEY (AREA 2)</i>	<i>CRYSTAL SPRINGS WELLFIE</i>	<i>0 - 1/8</i>	<i>0</i>	<i>9</i>

CERCLIS: The Comprehensive Environmental Response, Compensation and Liability Information System contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA).

CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

A review of the CERCLIS list, as provided by EDR, and dated 05/17/2004 has revealed that there are 2 CERCLIS sites within approximately 0.625 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<i>SAN FERNANDO VALLEY (AREA 2)</i>	<i>CRYSTAL SPRINGS WELLFIE</i>	<i>0 - 1/8</i>	<i>0</i>	<i>9</i>
<i>DYNAMIC PLATING INC</i>	<i>1100 TO 11002 ISABEL ST</i>	<i>1/4 - 1/2 W</i>	<i>T90</i>	<i>84</i>

EXECUTIVE SUMMARY

CERCLIS-NFRAP: As of February 1995, CERCLIS sites designated "No Further Remedial Action Planned" (NFRAP) have been removed from CERCLIS. NFRAP sites may be sites where, following an initial investigation, no contamination was found, contamination was removed quickly without the need for the site to be placed on the NPL, or the contamination was not serious enough to require Federal Superfund Action or NPL consideration. EPA has removed approximately 25,000 NFRAP sites to lift the unintended barriers to the redevelopment of these properties and has archived them as historical records so EPA does not needlessly repeat the investigations in the future. This policy change is part of the EPA's Brownfields Redevelopment Program to help cities, states, private investors and affected citizens to promote economic redevelopment of unproductive urban sites.

A review of the CERC-NFRAP list, as provided by EDR, and dated 05/17/2004 has revealed that there is 1 CERC-NFRAP site within approximately 0.375 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
RAILCHEM	201 N. FRONT ST.	1/4 - 1/2 SE	R81	74

CORRACTS: CORRACTS is a list of handlers with RCRA Corrective Action Activity. This report shows which nationally-defined corrective action core events have occurred for every handler that has had corrective action activity.

A review of the CORRACTS list, as provided by EDR, and dated 06/15/2004 has revealed that there is 1 CORRACTS site within approximately 1.125 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
RAILCHEM	201 N. FRONT ST.	1/4 - 1/2 SE	R81	74

RCRIS: Resource Conservation and Recovery Information System. RCRIS includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs): generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month. Small quantity generators (SQGs): generate between 100 kg and 1,000 kg of hazardous waste per month. Large quantity generators (LQGs): generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste from the generator off-site to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

A review of the RCRIS-TSD list, as provided by EDR, and dated 06/15/2004 has revealed that there is 1 RCRIS-TSD site within approximately 0.625 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
RAILCHEM	201 N. FRONT ST.	1/4 - 1/2 SE	R81	74

RCRIS: Resource Conservation and Recovery Information System. RCRIS includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs): generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month. Small quantity generators (SQGs): generate between 100 kg

EXECUTIVE SUMMARY

and 1,000 kg of hazardous waste per month. Large quantity generators (LQGs): generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste from the generator off-site to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

A review of the RCRIS-LQG list, as provided by EDR, and dated 06/15/2004 has revealed that there are 3 RCRIS-LQG sites within approximately 0.375 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
ORO AMERICA INCORPORATED	443 NORTH VARNEY STREET	1/8 - 1/4 S	E12	18
CITY OF BURBANK PUBLIC SERVICE	164 W MAGNOLIA BLVD	1/4 - 1/2 S	J55	54
SPENCE ELECTRO PLATING	1001 CHESTNUT ST.	1/4 - 1/2 WSW	P65	62

RCRIS: Resource Conservation and Recovery Information System. RCRIS includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs): generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month. Small quantity generators (SQGs): generate between 100 kg and 1,000 kg of hazardous waste per month. Large quantity generators (LQGs): generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste from the generator off-site to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

A review of the RCRIS-SQG list, as provided by EDR, and dated 06/15/2004 has revealed that there are 31 RCRIS-SQG sites within approximately 0.375 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
EXPRESSLY PORTRAITS INC	201 E MAGNOLIA UNIT 136	1/8 - 1/4 ENE	C8	14
FOUR WHEEL PARTS WHOLESALERS	825 NORTH VICTORY BLVD	1/4 - 1/2 WSW	I28	27
FLIGHT CENTER	72 E PALM AVE	1/4 - 1/2 ESE	35	32
AGFA DIVISION OF BAYER	914 NORTH VICTORY BLVD.	1/4 - 1/2 W	M41	34
CROWN 1HR CLEANERS	928 N SAN FERNANDO RD	1/4 - 1/2 NNW	N45	42
AERO INDUSTRIAL CO INC	912 ISABEL ST	1/4 - 1/2 W	M47	43
CARRIER CORPORATION	1020 N LAKE	1/4 - 1/2 WNW	K48	44
BURBANK UNIFIED SCHOOL DISTRIC	902 N THIRD ST	1/4 - 1/2 NNE	59	58
ALL AMERICAN SPORTS CLUB	1000 N SAN FERNANDO BLV	1/4 - 1/2 NNW	N60	59
L & M BLACK OXIDE CO INC	1019 VICTORY PL	1/4 - 1/2 WNW	K68	65
FOUR X DOCTOR	1031 VICTORY PL	1/4 - 1/2 WNW	Q75	70
MARJON INDUSTRIES	1120 SCOTT RD	1/4 - 1/2 NW	77	70
SWISS DANE CORP	36 E ORANGE GROVE AVE	1/4 - 1/2 SE	S83	77
STERLING TIRE CO	201 N 1ST ST	1/4 - 1/2 ESE	S85	78
SUN ART PLATING	1021 ISABEL ST	1/4 - 1/2 W	T87	81
PHOTO STOP	1121 E N SAN FERNANDO BL	1/4 - 1/2 NNW	88	81

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
SWANER HARDWOOD CO INC	5 W MAGNOLIA BLVD	1/8 - 1/4 SE	D11	15
THREE D PLASTICS INC	440 N VARNEY ST	1/8 - 1/4 S	E17	21
L&D MANUFACTURING CO	432 N VARNEY ST	1/8 - 1/4 S	E21	24
THREE D PLASTICS INC	430 N VARNEY ST	1/8 - 1/4 S	E23	25
INTL ELECTRONIC RESEARCH CORP	413 N MOSS ST	1/4 - 1/2 S	J31	29
MEDI RIDE INC	700 N VICTORY BLVD	1/4 - 1/2 SW	H32	31
BUILDERS EMPORIUM	641 N VICTORY BLVD	1/4 - 1/2 SW	L39	33

EXECUTIVE SUMMARY

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
MICHAEL ALGAZY	428 MOSS ST	1/4 - 1/2 S	O49	45
ARRIFLEX CORP	600 N VICTORY BLVD	1/4 - 1/2 SW	L57	56
ACCESS CONTROLS	177 W MAGNOLIA	1/4 - 1/2 S	J58	57
ZERO CORPORATION	1000 CHESTNUT STREET	1/4 - 1/2 WSW	P66	65
COMMERICAL LAMP SUPPLY	205 WEST MAGNOLIA BLVD	1/4 - 1/2 S	O71	68
TWO S COMPANY INC	1020 CHESTNUT ST	1/4 - 1/2 WSW	P76	70
U E SPECIALTIES	201 N FRONT ST	1/4 - 1/2 SE	R80	73
RAILCHEM	201 N. FRONT ST.	1/4 - 1/2 SE	R81	74

STATE ASTM STANDARD

AWP: California DTSC's Annual Workplan, formerly known as BEP, identifies known hazardous substance sites targeted for cleanup. The source is the California Environmental Protection Agency.

A review of the AWP list, as provided by EDR, and dated 06/01/2004 has revealed that there is 1 AWP site within approximately 1.125 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
SAN FERNANDO VALLEY (AREA 2)	CRYSTAL SPRINGS WELLFIE	0 - 1/8	0	9

CAL-SITES: Formerly known as ASPIS, this database contains both known and potential hazardous substance sites. The source is the California Department of Toxic Substance Control.

A review of the Cal-Sites list, as provided by EDR, has revealed that there is 1 Cal-Sites site within approximately 1.125 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
SAN FERNANDO VALLEY (AREA 2)	CRYSTAL SPRINGS WELLFIE	0 - 1/8	0	9

CORTESE: This database identifies public drinking water wells with detectable levels of contamination, hazardous substance sites selected for remedial action, sites with known toxic material identified through the abandoned site assessment program, sites with USTs having a reportable release and all solid waste disposal facilities from which there is known migration. The source is the California Environmental Protection Agency/Office of Emergency Information.

A review of the Cortese list, as provided by EDR, has revealed that there are 10 Cortese sites within approximately 0.625 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
CHEVRON #9-5538	923 VICTORY BLVD N	1/4 - 1/2 W	M42	36
STERLING TIRE CO	201 N 1ST ST	1/4 - 1/2 ESE	S85	78
LOCKHEED PLANT B-1	17505 VICTORY PL	1/2 - 1 NW	101	93
BURBANK FIRE STATION #11	353 OLIVE	1/2 - 1 E	Y105	98
<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
BURBANK PUBLIC SERVICE DE	164 MAGNOLIA	1/4 - 1/2 S	J50	46
TEXACO FOOD MART #0251	400 VICTORY BLVD N	1/4 - 1/2 SSW	U92	85

EXECUTIVE SUMMARY

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
MAGNOLIA CAR WASH	910 MAGNOLIA BLVD W	1/4 - 1/2SSW U93		87
CONTINENTAL-HAGEN FACILIT	5 OLIVE	1/4 - 1/2SE 97		90
CIRCUIT CRAFT COMPANY	205 FLOWER	1/2 - 1 SE X103		98
CITY OF BURBANK PUBLIC WORKS D	124 SOUTH LAKE STREET	1/2 - 1 SSE 107		101

NOTIFY 65: Notify 65 records contain facility notifications about any release that could impact drinking water and thereby expose the public to a potential health risk. The data come from the State Water Resources Control Board's Proposition 65 database.

A review of the Notify 65 list, as provided by EDR, has revealed that there are 2 Notify 65 sites within approximately 1.125 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
BU BANK WT RECLM.PLT.	2 W. CHESTNUT ST.	1/8 - 1/4WSW B6		13
ABIDANK MNFG. COMP.	210 S. VICTORY BLVD.	1/2 - 1 S 110		104

LUST: The Leaking Underground Storage Tank Incident Reports contain an inventory of reported leaking underground storage tank incidents. The data come from the State Water Resources Control Board Leaking Underground Storage Tank Information System.

A review of the LUST list, as provided by EDR, and dated 07/12/2004 has revealed that there are 11 LUST sites within approximately 0.625 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
CHEVRON #9-5538	923 VICTORY BLVD N	1/4 - 1/2 W M42		36
STERLING TIRE CO	201 N 1ST ST	1/4 - 1/2ESE S85		78
AMERICAN SOUND & VIDEO CORP	1111 CHESTNUT ST	1/4 - 1/2WSW 89		83
LOCKHEED PLANT B-1	17505 VICTORY PL	1/2 - 1 NW 101		93
BURBANK FIRE STATION #11	353 OLIVE AVE E	1/2 - 1 E Y106		99
CHEVRON	100 S GLENOAKS BLVD	1/2 - 1 E 108		103
<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
BURBANK PUBLIC SERVICE DE	164 MAGNOLIA	1/4 - 1/2S J50		46
TEXACO FOOD MART #0251	400 VICTORY BLVD N	1/4 - 1/2SSW U92		85
MAGNOLIA CAR WASH	910 MAGNOLIA BLVD W	1/4 - 1/2SSW U93		87
CONTINENTAL-HAGEN FACILIT	5 OLIVE	1/4 - 1/2SE 97		90
CITY OF BURBANK PUBLIC WORKS D	124 SOUTH LAKE STREET	1/2 - 1 SSE 107		101

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the State Water Resources Control Board's Hazardous Substance Storage Container Database.

A review of the UST list, as provided by EDR, and dated 07/12/2004 has revealed that there are 6 UST sites within approximately 0.375 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
IKEA	600 N SAN FERNANDO BLVD	1/8 - 1/4ENE C7		13
UNOCAL	901 N SAN FERNANDO BLVD	1/8 - 1/4N F13		20
CHEVRON	925 W BURBANK BLVD	1/4 - 1/2WNW Q84		78

EXECUTIVE SUMMARY

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
SWANER HARDWOOD CO INC	5 W MAGNOLIA BLVD	1/8 - 1/4 SE	D11	15
TERRY LUMBER	640 N VICTORY BLVD	1/4 - 1/2 SW	L38	33
PSD	164 W MAGNOLIA BLVD	1/4 - 1/2 S	J54	54

VCP: Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

A review of the VCP list, as provided by EDR, and dated 06/01/2004 has revealed that there is 1 VCP site within approximately 0.625 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
MAGNOLIA POWER PLANT	164 WEST MAGNOLIA BLVD.	1/4 - 1/2 S	J53	52

CA FID: The Facility Inventory Database contains active and inactive underground storage tank locations. The source is the State Water Resource Control Board.

A review of the CA FID UST list, as provided by EDR, has revealed that there are 7 CA FID UST sites within approximately 0.375 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
BURBANK YARD	4 W BURBANK BLVD	1/8 - 1/4 WNW	G19	23
MERCIERS UNOCAL #II	900 W BURBANK BLVD	1/4 - 1/2 WNW	K61	60
MARJON INDUSTRIES	1120 SCOTT RD	1/4 - 1/2 NW	77	70
QUALITY READY MIX	1061 VICTORY PL	1/4 - 1/2 WNW	Q78	71
<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
SWANER HARDWOOD CO INC	5 W MAGNOLIA BLVD	1/8 - 1/4 SE	D11	15
BURBANK PUBLIC SERVICE DEPT	164 W MAGNOLIA BLVD	1/4 - 1/2 S	J52	51
BURBANK ROOFING SUPPLY	205 W MAGNOLIA BLVD	1/4 - 1/2 S	O73	68

HIST UST: Historical UST Registered Database.

A review of the HIST UST list, as provided by EDR, and dated 10/15/1990 has revealed that there are 20 HIST UST sites within approximately 0.375 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
UNION OIL SERVICE STATION #247	901 N SAN FERNANDO BLVD	1/8 - 1/4 N	F14	20
SERVICE STATION 2477	901 N SAN FERNANDO BLVD	1/8 - 1/4 N	F15	20
SILTAMAKI AND BENKOUSKY	350 N BONNYWOOD PL	1/8 - 1/4 SE	D18	23
UNI-PLATE-INC.	6 W BURBANK BLVD	1/8 - 1/4 WNW	G20	24
ALLAN PORSCHE AUDI, LTD	825 N VICTORY BLVD	1/4 - 1/2 WSW	I27	27
SERVICE STATION 0881	900 W BURBANK BLVD	1/4 - 1/2 WNW	K62	60
UNION OIL SERVICE STATION 0881	900 W BURBANK BLVD	1/4 - 1/2 WNW	K63	61
MARJON INDUSTRIES	1120 SCOTT RD	1/4 - 1/2 NW	77	70
QUALITY READY-MIX	1061 N VICTORY PL	1/4 - 1/2 WNW	Q79	72
95538	923 W BURBANK BLVD	1/4 - 1/2 WNW	Q82	76
<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
SWANER HARDWOOD COMPANY, INC.	5 W MAGNOLIA BLVD	1/8 - 1/4 SE	D10	15

EXECUTIVE SUMMARY

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
COATING FACILITY	410 N VARNEY ST	1/4 - 1/2 S	E29	28
COATING	410 N VARNEY ST	1/4 - 1/2 S	E30	29
DEBURRING	151 W MAGNOLIA BLVD	1/4 - 1/2 S	J36	32
BURBANK YD.	#4 WEST BURBANK BLVD.	1/4 - 1/2 WNW	K37	33
BURBANK PUBLIC SERVICE DEPT	164 W MAGNOLIA BLVD	1/4 - 1/2 S	J51	48
SPENCE ELECTRO PLATING	1001 CHESTNUT ST.	1/4 - 1/2 WSW	P65	62
STANDARD BRANDS PAINT - #10	530 N VICTORY BLVD	1/4 - 1/2 SSW	69	67
COMMERCIAL LAMP SUPPLY	205 W MAGNOLIA BLVD	1/4 - 1/2 S	O72	68
BURBANK ROOFING SUPPLY INC	205 W MAGNOLIA BLVD	1/4 - 1/2 S	O74	69

FEDERAL ASTM SUPPLEMENTAL

RODS: Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid the cleanup.

A review of the ROD list, as provided by EDR, has revealed that there is 1 ROD site within approximately 1.125 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
SAN FERNANDO VALLEY (AREA 2)	CRYSTAL SPRINGS WELLFIE	0 - 1/8	0	9

FINDS: The Facility Index System contains both facility information and "pointers" to other sources of information that contain more detail. These include: RCRIS; Permit Compliance System (PCS); Aerometric Information Retrieval System (AIRS); FATES (FIFRA [Federal Insecticide Fungicide Rodenticide Act] and TSCA Enforcement System, FTTS [FIFRA/TSCA Tracking System]; CERCLIS; DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes); Federal Underground Injection Control (FURS); Federal Reporting Data System (FRDS); Surface Impoundments (SIA); TSCA Chemicals in Commerce Information System (CICS); PADS; RCRA-J (medical waste transporters/disposers); TRIS; and TSCA. The source of this database is the U.S. EPA/NTIS.

A review of the FINDS list, as provided by EDR, and dated 04/08/2004 has revealed that there is 1 FINDS site within approximately 0.125 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
SAN FERNANDO VALLEY (AREA 2)	CRYSTAL SPRINGS WELLFIE	0 - 1/8	0	9

STATE OR LOCAL ASTM SUPPLEMENTAL

DRYCLEANERS: A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaners' agents; linen supply; coin-operated laundries and cleaning; drycleaning plants except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

A review of the CLEANERS list, as provided by EDR, has revealed that there are 3 CLEANERS sites within approximately 0.375 miles of the target property.

EXECUTIVE SUMMARY

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
CROWN CLEANERS	928 W SAN FERNANDO RD	1/4 - 1/2 NNW	N43	40
BURBANK CLEANERS	928 N SAN FERNANDO STE	1/4 - 1/2 NNW	N44	40
CROWN 1HR CLEANERS	928 N SAN FERNANDO RD	1/4 - 1/2 NNW	N45	42

CA SLIC: SLIC Region comes from the California Regional Water Quality Control Board.

A review of the CA SLIC list, as provided by EDR, has revealed that there are 26 CA SLIC sites within approximately 0.625 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
UNI-PLATE INCORPORATED	6 W. BURBANK BLVD.	1/8 - 1/4 WNW	G22	24
VORELCO INC.	825 N. VICTORY BLVD.	1/4 - 1/2 WSW	I28	26
AGFA-GEVAERT, INC.	914 N. VICTORY BLVD.	1/4 - 1/2 W	M40	34
PMI PROP MASTER INC	912 ISABEL ST.	1/4 - 1/2 W	M46	43
MASTERCRAFT METAL	1010 VICTORY PL.	1/4 - 1/2 WNW	K67	65
L & M BLACK OXIDE CO. INC.	1019 VICTORY PL	1/4 - 1/2 WNW	Q70	67
SUN ART PLATING CO.	1021 ISABEL ST.	1/4 - 1/2 W	T86	80
GTR MARBLE INC.	1102 ISABEL ST.	1/4 - 1/2 W	T91	84
MIDWEST COMMUNICATION CORP.	1117 ISABEL ST.	1/4 - 1/2 W	V94	89
CALIFORNIA COAST COLOR	1121 ISABEL ST.	1/4 - 1/2 W	V95	89
ECOLA SERVICES	1207 ISABEL ST.	1/4 - 1/2 W	99	93

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
ARTISTS & SCULPTORS FOUNDRY	825 N. LAKE ST.	1/8 - 1/4 W	B9	14
OROAMERICA	443 N. VARNEY ST.	1/8 - 1/4 S	E16	21
ACME AUTOWORK	738 N. VICTORY BLVD.	1/4 - 1/2 WSW	H24	26
1928 JEWELRY COMPANY	1000 N. LAKE ST.	1/4 - 1/2 WNW	G25	26
IERC INT'L ELEC. RESEARCH CORP	135 W. MAGNOLIA BLVD.	1/4 - 1/2 S	J33	31
SPENCE ELECTROPLATING	917 W. CHESTNUT ST.	1/4 - 1/2 WSW	I34	31
BURBANK PUBLIC SERVICE DEPT	164 W MAGNOLIA BLVD	1/4 - 1/2 S	J52	51
BURBANK STEAM PLANT	164 W. MAGNOLIA BLVD.	1/4 - 1/2 S	J56	55
SPENCE ELECTROPLATING COMPANY	1001 CHESTNUT ST.	1/4 - 1/2 WSW	P64	61
ACSCO PRODUCTS, INCORPORATED	313 N. LAKE ST.	1/4 - 1/2 S	W96	90
L & M EDITORIAL	222 W. PALM AVE.	1/4 - 1/2 S	W98	92
VERADYNE CORP.	330 N. VICTORY BLVD.	1/4 - 1/2 S	100	93
KBC AMERICA INC.	730 N. MARIPOSA ST.	1/2 - 1 WSW	102	98
GILDERFLUKE & CO.	205 S. FLOWER ST.	1/2 - 1 SE	X104	98
BURBANK SOUND	1321 W. MAGNOLIA BLVD.	1/2 - 1 SW	109	104

BROWNFIELDS DATABASES

VCP: Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

A review of the VCP list, as provided by EDR, and dated 06/01/2004 has revealed that there is 1 VCP site within approximately 0.625 miles of the target property.

EXECUTIVE SUMMARY

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
MAGNOLIA POWER PLANT	164 WEST MAGNOLIA BLVD.	1/4 - 1/2S	J53	52

EDR PROPRIETARY HISTORICAL DATABASES

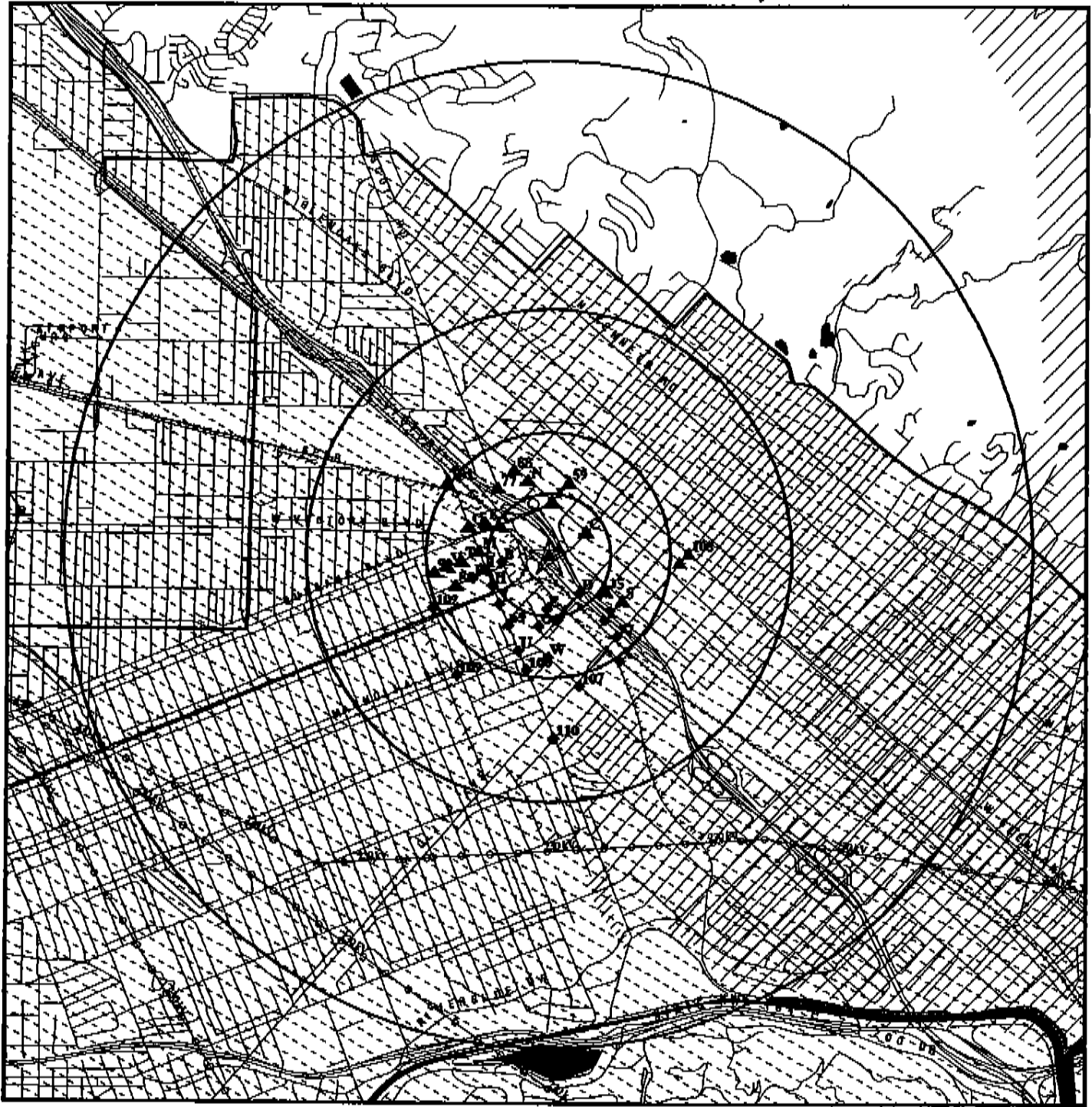
See the EDR Proprietary Historical Database Section for details

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped:

<u>Site Name</u>	<u>Database(s)</u>
CELEBRITY DRYCLEANERS	RCRIS-SQG, FINDS, HAZNET,
	CLEANERS
VISTA CLEANERS	CLEANERS
DBA BURBANK MARINE	CLEANERS
IPPOLITO ESTATE	Cal-Sites
BUILDING #8 LONG BEACH NAVAL	CHMIRS, LUST
FIRESTONE STORES	HIST UST
PACIFIC BELL (K3-102)	HIST UST
CITY OF BURBANK - SAFETY OFFICE	HAZNET
RASMUSSEN'S GARAGE	HAZNET
CITY OF BURBANK	HAZNET
UNION PACIFIC RAILROAD	HAZNET
METRO LINK STATION	HAZNET
GULVIN ENTERPRISES	HAZNET
BURBANK ENTERTAINMENT LLC	HAZNET
DISNEY ELEMENTARY SCHOOL	HAZNET
COMPULSION INC/TRAFFIC	HAZNET
CITY OF BURBANK	HAZNET
CAL GREEN AUTO BODY INC	HAZNET
STAINLESS STEEL PRODUCTS	RCRIS-SQG
LOCKHEED FACILITY	ERNS
BURBANK GATEWAY CENTER	CA SLIC
FORMER MENASCO AEROSPACE	CA SLIC
HYRAIL	CA SLIC
IMAGE LABORATORIES	CA SLIC
KAHR BEARING-SARGENT/FLETCHER	CA SLIC
AUTO MATTERS	CA SLIC
STAINLESS STEEL PRODUCTS INC.	CA SLIC
PREMIER DRY CLEANING	CA SLIC
LOCKHEED PLANT B1	CA SLIC
BURBANK WWRP	CA WDS
BURBANK WWRP	CA WDS
RAIL CHEMICAL DIVISION	REF
MENASCO MFG CO (EIS USE)	EMI

OVERVIEW MAP - 1285242.2s - MACTEC, Inc.

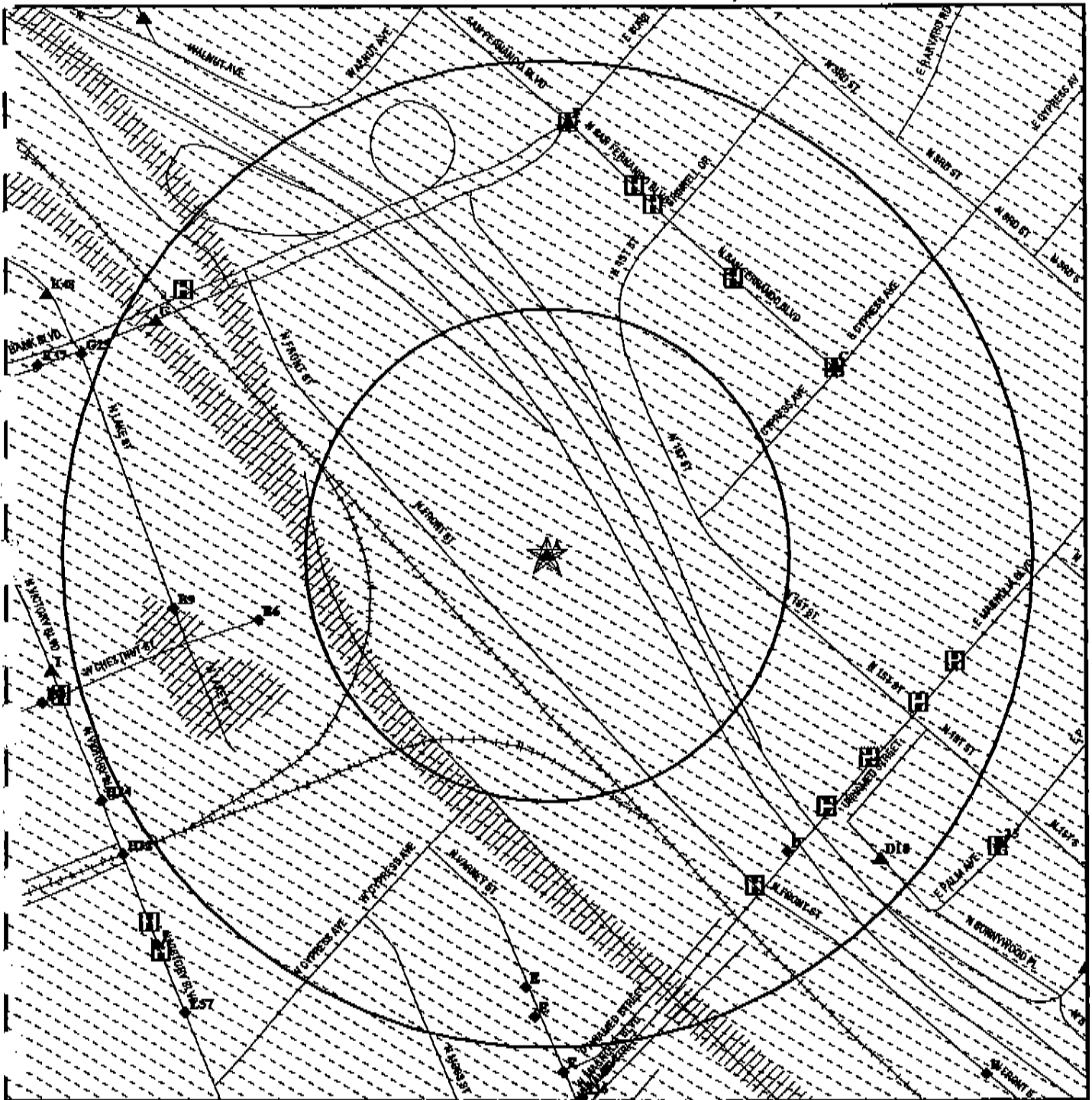


- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ▲ Coal Gasification Sites
- ▨ National Priority List Sites
- ▨ Landfill Sites
- ▨ Dept. Defense Sites
- ▨ Indian Reservations BIA
- ~ Power transmission lines
- ~ Oil & Gas pipelines
- ▨ 100-year flood zone
- ▨ 500-year flood zone
- ▨ Federal Wetlands
- ▨ Areas of Concern

TARGET PROPERTY: Former Zero Corporation Facility
ADDRESS: 777 North Front Street
CITY/STATE/ZIP: Burbank CA 91502
LAT/LONG: 34.1831 / 118.3163

CUSTOMER: MACTEC, Inc.
CONTACT: Matt Fraychineaud
INQUIRY #: 1285242.2s
DATE: October 11, 2004 2:52 pm

DETAIL MAP - 1285242.2s - MACTEC, Inc.



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Coal Gasification Sites
- Historical Gas Stations / Historical Dry Cleaners
See the EDR Proprietary Historical Map Findings
- Sensitive Receptors
- National Priority List Sites
- Landfill Sites
- Dept. Defense Sites

- Indian Reservations BIA
- Oil & Gas pipelines
- 100-year flood zone
- 500-year flood zone

- Areas of Concern

0 1/8 1/4 1/2 Miles

TARGET PROPERTY: Former Zero Corporation Facility
 ADDRESS: 777 North Front Street
 CITY/STATE/ZIP: Burbank CA 91502
 LAT/LONG: 34.1831 / 118.3163

CUSTOMER: MACTEC, Inc.
 CONTACT: Matt Fraychineaud
 INQUIRY #: 1285242.2s
 DATE: October 11, 2004 2:53 pm

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
<u>FEDERAL ASTM STANDARD</u>								
NPL		1.125	1	0	0	0	0	1
Proposed NPL		1.125	0	0	0	0	0	0
CERCLIS		0.625	1	0	1	0	NR	2
CERC-NFRAP		0.375	0	0	1	NR	NR	1
CORRACTS		1.125	0	0	1	0	0	1
RCRIS-TSD		0.625	0	0	1	0	NR	1
RCRIS Lg. Quan. Gen.		0.375	0	1	2	NR	NR	3
RCRIS Sm. Quan. Gen.		0.375	0	5	26	NR	NR	31
ERNS		0.125	0	NR	NR	NR	NR	0
<u>STATE ASTM STANDARD</u>								
AWP		1.125	1	0	0	0	0	1
Cal-Sites		1.125	1	0	0	0	0	1
CHMIRS		0.125	0	NR	NR	NR	NR	0
Cortese	X	0.625	0	0	6	4	NR	10
Notify 65		1.125	0	1	0	1	0	2
Toxic Pits		1.125	0	0	0	0	0	0
State Landfill		0.625	0	0	0	0	NR	0
WMUDS/SWAT		0.625	0	0	0	0	NR	0
LUST		0.625	0	0	7	4	NR	11
CA Bond Exp. Plan		1.125	0	0	0	0	0	0
UST		0.375	0	3	3	NR	NR	6
VCP		0.625	0	0	1	0	NR	1
INDIAN UST		0.375	0	0	0	NR	NR	0
INDIAN LUST		0.625	0	0	0	0	NR	0
CA FID UST		0.375	0	2	5	NR	NR	7
HIST UST	X	0.375	0	5	15	NR	NR	20
<u>FEDERAL ASTM SUPPLEMENTAL</u>								
CONSENT		1.125	0	0	0	0	0	0
ROD		1.125	1	0	0	0	0	1
Delisted NPL		1.125	0	0	0	0	0	0
FINDS		0.125	1	NR	NR	NR	NR	1
HMIRS		0.125	0	NR	NR	NR	NR	0
MLTS		0.125	0	NR	NR	NR	NR	0
MINES		0.375	0	0	0	NR	NR	0
NPL Liens		0.125	0	NR	NR	NR	NR	0
PADS		0.125	0	NR	NR	NR	NR	0
UMTRA		0.625	0	0	0	0	NR	0
ODI		0.625	0	0	0	0	NR	0
FUDS		1.125	0	0	0	0	0	0
DOD		1.125	0	0	0	0	0	0
INDIAN RESERV		1.125	0	0	0	0	0	0
RAATS		0.125	0	NR	NR	NR	NR	0
TRIS		0.125	0	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
TSCA		0.125	0	NR	NR	NR	NR	0
SSTS		0.125	0	NR	NR	NR	NR	0
FTTS		0.125	0	NR	NR	NR	NR	0

STATE OR LOCAL ASTM SUPPLEMENTAL

AST		0.125	0	NR	NR	NR	NR	0
CLEANERS		0.375	0	0	3	NR	NR	3
CA WDS		0.125	0	NR	NR	NR	NR	0
DEED		0.125	0	NR	NR	NR	NR	0
NFE		0.375	0	0	0	NR	NR	0
SCH		0.375	0	0	0	NR	NR	0
EMI	X	0.125	0	NR	NR	NR	NR	0
REF		0.375	0	0	0	NR	NR	0
NFA		0.375	0	0	0	NR	NR	0
SLIC	X	0.625	0	3	20	3	NR	26
HAZNET	X	0.125	0	NR	NR	NR	NR	0
Los Angeles Co. HMS	X	0.125	0	NR	NR	NR	NR	0
LA Co. Site Mitigation		0.125	0	NR	NR	NR	NR	0
AOCONCERN		1.125	0	0	0	0	0	0

EDR PROPRIETARY HISTORICAL DATABASES

Gas Stations/Dry Cleaners	0.375	0	49	80	NR	NR	129
Coal Gas	1.125	0	0	0	0	0	0

BROWNFIELDS DATABASES

US BROWNFIELDS	0.625	0	0	0	0	NR	0
VCP	0.625	0	0	1	0	NR	1

NOTES:

See the EDR Proprietary Historical Database Section for details

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID
Direction
Distance
Distance (ft.)
Elevation

Site

Database(s)

EDR ID Number
EPA ID Number

A1
Target INDEPENDENCE INC
Property 777 FRONT ST
BURBANK, CA 91502

HAZNET S103969832
N/A

Actual: 585 ft.
Site 1 of 5 in cluster A

HAZNET:

Gepaid: CAC001217472
TSD EPA ID: CAD000088252
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .0417
Waste Category: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method: Transfer Station
Contact: INDEPENDENCE INC
Telephone: (818) 238-2457
Mailing Address: 9937 JEFFERSON BLVD SUITE 200
CLOVIS, CA 90232
County Los Angeles

A2
Target ERRY GATES-THE CROW
Property 777 FRONT ST
BURBANK, CA 91503

HAZNET S103971981
N/A

Actual: 585 ft.
Site 2 of 5 in cluster A

HAZNET:

Gepaid: CAC001056584
TSD EPA ID: CAD008252405
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .4586
Waste Category: Unspecified organic liquid mixture
Disposal Method: Recycler
Contact: JERRY GATES
Telephone: (000) 000-0000
Mailing Address: 777 FRONT ST
BURBANK, CA 91503
County Los Angeles

A3
Target UNOCAL SS #0535
Property 777 FRONT
BURBANK, CA 91503

Cortese S103890252
HAZNET N/A
CA SLIC

Actual: 585 ft.
Site 3 of 5 in cluster A

HAZNET:

Gepaid: CAC001442384
TSD EPA ID: CAD008252405
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .1459
Waste Category: Unspecified solvent mixture Waste
Disposal Method: Recycler
Contact: RED LINE/3RD TIME PRODUCTIONS
Telephone: (818) 777-2540
Mailing Address: 100 UNIVERSAL CITY PLAZA BLDG 2128 STE C
UNIVERSAL CITY, CA 91608
County Los Angeles

Map ID
Direction
Distance
Distance (ft.)
Elevation Site



Database(s)
EDR ID Number
EPA ID Number

UNOCAL SS #0535 (Continued)

S103990252

Gepaid: CAC001442384
TSD EPA ID: CAD008252405
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .1000
Waste Category: Other organic solids
Disposal Method: Transfer Station
Contact: RED LINE/3RD TIME PRODUCTIONS
Telephone: (818) 777-2540
Mailing Address: 100 UNIVERSAL CITY PLAZA BLDG 2128 STE C
UNIVERSAL CITY, CA 91608
County: Los Angeles

Gepaid: CAC001442384
TSD EPA ID: CAD008252405
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .6879
Waste Category: Aqueous solution with 10% or more total organic residues
Disposal Method: Recycler
Contact: RED LINE/3RD TIME PRODUCTIONS
Telephone: (818) 777-2540
Mailing Address: 100 UNIVERSAL CITY PLAZA BLDG 2128 STE C
UNIVERSAL CITY, CA 91608
County: Los Angeles

Gepaid: CAC000766376
TSD EPA ID: CAD000088252
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .0041
Waste Category: Off-specification, aged, or surplus organics
Disposal Method: Transfer Station
Contact: T.O.W. PRODUCTIONS CORP
Telephone: (818) 238-2450
Mailing Address: 8228 SUNSET BLVD, #311
LOS ANGELES, CA 90046
County: Los Angeles

Gepaid: CAC000766376
TSD EPA ID: CAD000088252
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .1459
Waste Category: Paint sludge
Disposal Method: Transfer Station
Contact: T.O.W. PRODUCTIONS CORP
Telephone: (818) 238-2450
Mailing Address: 8228 SUNSET BLVD, #311
LOS ANGELES, CA 90046
County: Los Angeles

CORTESE:
Region: CORTESE
Fac Address 2: Not reported

CA STATE SLIC:
Global Id: SL0611181789
Region: STATE

Map ID
Direction
Distance
Distance (ft.)
Elevation Site



Database(s)
EDR ID Number
EPA ID Number

UNOCAL SS #0535 (Continued)

S103990252

Assigned Name : SLICSITE
Lead Agency Contact : Not reported
Lead Agency : Not reported
Lead Agency Case Number : Not reported
Responsible Party : Not reported
Recent Dtw : Not reported
Substance Released : Not reported

A4
Target
Property
ZERO WEST DIVISION
777 FRONT STREET
BURBANK, CA 91502

EMI
LOS ANGELES CO. HMS
S105036178
N/A

Actual:
585 ft.
Site 4 of 5 in cluster A

HMS:
Facility ID: 009812-009653
Area: 3E
Facility Type: T0
Permit Number: 00000887T
Facility Status: Removed
Region: Los Angeles County:

Permit Status: Removed

EMISSIONS :
Facility ID : 9056
Air District Code : SC
SIC Code : 2522
Total Priority Score : Not reported
Health Risk Assessment : Not reported
Non-cancer Chronic Haz Index : Not reported
Non-cancer Acute Haz Index : Not reported
Air Basin : SC
Air District Name : SOUTH COAST AQMD
Community Health Air Pollution Info System : Not reported
Consolidated Emission Reporting Rule : Not reported
County Code : 19
County ID : 19

A5
Target
Property
ZERO WEST DIV.
777 N FRONT ST
BURBANK, CA 91502

HIST UST
U001568362
N/A

Actual:
585 ft.
Site 5 of 5 in cluster A

UST HIST:
Facility ID: 63868
Total Tanks: 0
Owner Address: 777 FRONT STREET
BURBANK, CA 91502
Tank Used for: PRODUCT
Tank Num: 1
Tank Capacity: 00005000
Type of Fuel: UNLEADED
Leak Detection: Stock Inventor
Contact Name: TONY OZMEN
Facility Type: Other

Owner Name: ZERO CORPORATION
Region: STATE

Container Num: 1
Year Installed: 1975
Tank Construction: 1/4 inches

Telephone: (818) 846-4191
Other Type: MANUFACTURING

Facility ID: 63868
Total Tanks: 0
Owner Address: 777 FRONT STREET

Owner Name: ZERO CORPORATION
Region: STATE

Map ID
Direction
Distance
Distance (ft.)
Elevation Site



Database(s)
EDR ID Number
EPA ID Number

ZERO WEST DIV. (Continued)

U001568362

BURBANK, CA 91502
Tank Used for: PRODUCT
Tank Num: 2
Tank Capacity: 00005000
Type of Fuel: UNLEADED
Leak Detection: Stock Invenor
Contact Name: TONY OZMEN
Facility Type: Other
Container Num: 2
Year Installed: 1975
Tank Construction: 1/4 inches
Telephone: (818) 846-4191
Other Type: MANUFACTURING

NPL
Region

< 1/8
1 ft.

**SAN FERNANDO VALLEY (AREA 2)
CRYSTAL SPRINGS WELLFIELD AREA
GLENDALE, CA 91209**

CERCLIS 1000710134
FINDS CAD980894901
NPL
ROD
Cal-Sites
AWP

CERCLIS Classification Data:

Site incident category:	Not reported	Federal Facility:	Not a Federal Facility
Non NPL Status:	Not reported		
Ownership Status:	Mixed Ownership	NPL Status:	Currently on the Final NPL
Contact:	Elizabeth Adams	Contact Tel:	(415) 972-3183
Contact Title:	Not reported		
Contact:	Loren Henning	Contact Tel:	(415) 972-3164
Contact Title:	Not reported		
Contact:	Jere Johnson	Contact Tel:	(415) 972-3094
Contact Title:	Not reported		
Contact:	Frederick Schaufli	Contact Tel:	(415) 972-3174
Contact Title:	Not reported		
Site Description:	SAN FERNANDO #2 IS AN AREA OF CONTAM GRD WTR IN VICINITY OF CRYSTAL SPRINGS WELL FLD AREA IN L.A., CO. PART OF THE SAN FERNANDO VLY BASIN, A NATURAL UNDGRD RESERVOIR, SOURCE OF DRK WTR FOR 3 MIL. CONTAMINATED WITH TCE & PCE.		

CERCLIS Assessment History:

Assessment:	DISCOVERY	Completed:	12/01/1983
Assessment:	PRELIMINARY ASSESSMENT	Completed:	04/01/1984
Assessment:	SITE INSPECTION	Completed:	04/01/1984
Assessment:	HRS PACKAGE	Completed:	04/01/1984
Assessment:	PROPOSAL TO NPL	Completed:	10/15/1984
Assessment:	NPL RP SEARCH	Completed:	08/15/1985
Assessment:	FINAL LISTING ON NPL	Completed:	06/10/1986
Assessment:	REMOVAL ASSESSMENT	Completed:	06/17/1991
Assessment:	RISK/HEALTH ASSESSMENT	Completed:	12/15/1992
Assessment:	ECOLOGICAL RISK ASSESSMENT	Completed:	12/15/1992
Assessment:	COMBINED R/F/S	Completed:	06/18/1993
Assessment:	RECORD OF DECISION	Completed:	06/18/1993
Assessment:	RECORD OF DECISION	Completed:	06/18/1993
Assessment:	COMBINED R/F/S	Completed:	06/18/1993
Assessment:	NPL RP SEARCH	Completed:	06/30/1993
Assessment:	ADMIN ORDER ON CONSENT	Completed:	03/30/1994
Assessment:	RD/RA NEGOTIATIONS	Completed:	03/30/1994
Assessment:	PRP RD	Completed:	11/11/1996
Assessment:	PRP RD	Completed:	11/11/1996
Assessment:	RD/RA NEGOTIATIONS	Completed:	11/26/1996
Assessment:	UNILATERAL ADMIN ORDER	Completed:	11/26/1996
Assessment:	UNILATERAL ADMIN ORDER	Completed:	09/30/1997
Assessment:	PPA ASSESSMENT	Completed:	12/02/1999
Assessment:	Lodged By DOJ	Completed:	05/17/2000
Assessment:	ADMIN ORDER ON CONSENT	Completed:	06/07/2000

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

EDR ID Number
EPA ID Number
Database(s)

SAN FERNANDO VALLEY (AREA 2) (Continued)

1000710134

Assessment:	CONSENT DECREE	Completed:	08/02/2000
Assessment:	SECTION 107 LITIGATION	Completed:	08/02/2000
Assessment:	PREPARATION OF COST DOCM PKGE	Completed:	09/30/2000
Assessment:	PPA ASSESSMENT	Completed:	12/22/2000
Assessment:	ADMIN ORDER ON CONSENT	Completed:	07/23/2001
Assessment:	PRP RA	Completed:	09/30/2002
Assessment:	READY-FOR-REUSE EVALUATION CHECKLIST	Completed:	03/24/2004

CERCLIS Site Status:

Not reported

CERCLIS Alias Name(s):

SAN FERNANDO VLY BASIN CRYSTAL SPGS AREA
GLENDALE OPERABLE UNIT
SAN FERNANDO VALLEY (AREA 2)
SAN FERNANDO VALLEY (AREA 2)

NPL:

EPA ID: CAD980894901
Region: 09
Federal: General
Final Date: 06/10/1986

NPL SUMMARY:

Summary :

Conditions at proposal October 15, 1984): San Fernando Valley Area 2) is an area of contaminated ground water located in the vicinity of the Crystal Springs Well Field in the Cities of Los Angeles and Glendale, Los Angeles County, California. Th

is area is part of the San Fernando Valley Basin, a natural underground reservoir that represents an important source of drinking water for at least 3 million people in the Los Angeles metropolitan area. The contaminated ground water, which underli

es an area of approximately 6,680 acres, contains trichloroethylene (TCE) and perchloroethylene (PCE), according to tests conducted by the California Department of Health Services, as well as numerous local government agencies.

The State s recommen

ded drinking water guidelines for TCE and PCE (5 and 4 parts per billion respectively) are exceeded in a number of public wells in this area. To alleviate this contamination, wells are either taken out of service or blended with water from clean so

urces to ensure that the public receives water with TCE/PCE concentrations below the State s guidelines.Status June 10, 1986): EPA and the Los Angeles Department of Water and Power are entering into a cooperative agreement for a remedial investiga

tion of the San Fernando Valley Basin and a feasibility study targeted at Area 1, the most contaminated area. The RI is scheduled to begin in early 1986.

NPL Contaminant:

NPL Status: Final
Substance Id: U044
Case Num: 67-66-3
Substance : CHLOROFORM
Pathway : The Ground water migration route , or pathway.
GW Scoring : Observed Release & Toxicity
SW Scoring : Not reported
Air Scoring: Not reported
Soil Scoring: Not reported
DC Scoring: Not reported
FE Scoring: Not reported
NPL Status: Final

Map ID
Direction
Distance
Distance (ft.)
Elevation

Site

Database(s)
EDR ID Number
EPA ID Number

SAN FERNANDO VALLEY (AREA 2) (Continued)

1000710134

Substance Id: U210
Case Num: 79-34-5
Substance : TETRACHLOROETHENE
Pathway : The Ground water migration route , or pathway.
GW Scoring : Observed Release
SW Scoring : Not reported
Air Scoring: Not reported
Soil Scoring: Not reported
DC Scoring: Not reported
FE Scoring: Not reported

NPL Status: Final
Substance Id: U228
Case Num: 79-01-6
Substance : TRICHLOROETHYLENE (TCE), 1,1,2-
Pathway : The Ground water migration route , or pathway.
GW Scoring : Observed Release
SW Scoring : Not reported
Air Scoring: Not reported
Soil Scoring: Not reported
DC Scoring: Not reported
FE Scoring: Not reported

NPL Site:
CERCLIS Id: CAD980894901
Site City: Los Angeles/Glendale
Site State: CA
NPL Status: Final
Status Date: 06/10/86
Federal Site: Not reported
HRS Score: 42.24
GW Score: 73.08
SW Score: 0.00
Air Score: 0.00
Soil Score: 0.00
DC Score: 0.00
FE Score: 0.00

NPL Char:
NPL Status: Final
Category Description: DEPTH TO AQUIFER
Category Value: 1
NPL Status: Final
Category Description: DISTANCE TO THE NEAREST POPULATION
Category Value: 10
NPL Status: Final
Category Description: OBSERVED RELEASE-Ground Water
Category Value: Not reported
NPL Status: Final
Category Description: OTHER GROUND WATER USE-Industrial Process Cooling
Category Value: Not reported
NPL Status: Final
Category Description: PHYSICAL STATE-Liquid
Category Value: Not reported
NPL Status: Final
Category Description: SITE ACTIVITY WASTE SOURCE-Ground Water Plume

Map ID
Direction
Distance
Distance (ft.)
Elevation Site



Database(s)
EDR ID Number
EPA ID Number

SAN FERNANDO VALLEY (AREA 2) (Continued)

1000710134

Category Value: Not reported
NPL Status: Final
Category Description: SITE ACTIVITY WASTE SOURCE-Unknown
Category Value: Not reported
NPL Status: Final
Category Description: SURFACE WATER ADJACENT TO SITE-Drain Ditch
Category Value: Not reported
NPL Status: Final
Category Description: SURFACE WATER ADJACENT TO SITE-River
Category Value: Not reported

NPL SITE STATUS:

NPL Status: Final
Proposed Date: 10/15/1984
Final Date: 06/10/1986
Deleted Date: Not reported

ROD:

Full-text of USEPA Record of Decision(s) is available from EDR.

FINDS:

Other Pertinent Environmental Activity Identified at Site:
Comprehensive Environmental Response, Compensation and Liability Information System

CAL-SITES:

Facility ID: 19990012
Status: AWP - ANNUAL WORKPLAN (AWP) - ACTIVE SITE
Status Date: 01/01/1984
Lead: EPA
Region: 3 - GLENDALE
Branch: SA - SO CAL - GLENDALE
File Name: Not reported
Status Name: ANNUAL WORKPLAN - ACTIVE SITE
Lead Agency: ENVIRONMENTAL PROTECTION AGENCY Not reported
NPL: Listed
SIC: 99 NONCLASSIFIABLE ESTABLISHMENTS
Facility Type: NPJF
Type Name: NPL SITE, JOINT STATE/FEDERAL-FUNDED
Staff Member Responsible for Site: TYARGEAU
Supervisor Responsible for Site: Not reported
Region Water Control Board: LA - LOS ANGELES
Access: Not reported
Cortese: Not reported
Hazardous Ranking Score: Not reported
Date Site Hazard Ranked: Not reported
Groundwater Contamination: Confirmed
No. of Contamination Sources: 1
Lat/Long: Not reported
Lat/Long Method: Not reported
State Assembly District Code: 43
State Senate District: 21

Click this hyperlink while viewing on your computer to access additional CAL-SITES detail in the EDR Site Report.

AWP Facility ID: 19990012
Facility Type: NPL site, joint state/federal-funded
Site Access Controlled: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation

Site

Database(s)
EDR ID Number
EPA ID Number

SAN FERNANDO VALLEY (AREA 2) (Continued)

1000710134

Region : GLENDALE
SMBR Branch Unit: SO CAL - GLENDALE
SMBR Branch Code : SA
Site Name : Not reported
Current Status Date : 19/84/0101
Current Status : ANNUAL WORKPLAN - ACTIVE SITE
Lead Agency Code : EPA
Lead Agency : ENVIRONMENTAL PROTECTION AGENCY
Awp Site Type: NPL SITE, JOINT STATE/FEDERAL-FUNDED
NPL : L
Tier Of AWP Site : Not reported
Source Of Funding : Not reported
Responsible Staff Member : TYARGEAU
Supervisor Responsible : Not reported
Facility SIC : NONCLASSIFIABLE ESTABLISHMENTS
SIC Code : 99
RWQCB Associated With Site: LOS ANGELES
RWQCB Code : LA
Site Listed HWS List : Not reported
Hazard Ranking Score : Not reported
Date Site Hazard Ranked : Not reported
Groundwater Contamination : Confirmed
Of Contamination Sources : 1
Lat/long Method : Not reported
Description Of Entity : Not reported
State Assembly Distt Code : 43
State Senate District : 21
Lat/long : 0° 0' 0" / 0° 0' 0"

B6
WSW
1/8-1/4
806 ft.

**BU BANK WT RECLM.PLT.
2 W. CHESTNUT ST.
BURBANK, CA 91502**

Notify 65 \$100178652
N/A

Site 1 of 2 In cluster B

Relative:
Lower

NOTIFY 65:

Actual:
566 ft.

Date Reported: Not reported Staff Initials: Not reported
Board File Number: Not reported
Facility Type: Not reported
Discharge Date: Not reported
Incident Description: 91502-1642

C7
ENE
1/8-1/4
934 ft.

**IKEA
600 N SAN FERNANDO BLVD
BURBANK, CA 91502**

UST U003775837
EMI N/A

Site 1 of 2 In cluster C

Relative:
Higher

EMISSIONS :

Actual:
616 ft.

Facility ID : 77664
Air District Code : SC
SIC Code : 9999
Total Priority Score : Not reported
Health Risk Assessment : Not reported
Non-cancer Chronic Haz Index : Not reported
Non-cancer Acute Haz Index : Not reported
Air Basin : SC
Air District Name : SOUTH COAST AQMD

Map ID
Direction
Distance
Distance (ft.)
Elevation Site



Database(s) EDR ID Number
EPA ID Number

IKEA (Continued)

U003775937

Community Health Air Pollution Info System : Not reported
Consolidated Emission Reporting Rule : Not reported
County Code : 19
County ID : 19

State UST:

Facility ID: 000600
Region: STATE
Local Agency: 19007

C8
ENE
1/8-1/4
937 ft.

EXPRESSLY PORTRAITS INC
201 E MAGNOLIA UNIT 136
BURBANK, CA 91501

RCRIS-SQG **1000820201**
FINDS **CAD983662305**

Relative:
Higher

Site 2 of 2 in cluster C

RCRIS:

Owner: EXPRESSLY PORTRAITS INC
(415) 578-9291
EPA ID: CAD983662305
Contact: MEL ORCHARD
(415) 578-9291

Actual:
616 ft.

Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act information system

B9
West
1/8-1/4
1025 ft.

ARTISTS & SCULPTORS FOUNDRY
825 N. LAKE ST.
BURBANK, CA 91502

CA SLIC **S106484795**
N/A

Relative:
Lower

Site 2 of 2 in cluster B

CA STATE SLIC :

Global Id : SL603799000
Region : STATE
Assigned Name : SLIC SITE
Lead Agency Contact : UNASSIGNED
Lead Agency : LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number : 109.6587
Responsible Party : UNKNOWN
Recent Dtw : Not reported
Substance Released : VOC

Actual:
575 ft.

Map ID
Direction
Distance
Distance (ft.)
Elevation



Site

Database(s)

EDR ID Number
EPA ID Number

D10 SWANER HARDWOOD COMPANY, INC.
SE 5 W MAGNOLIA BLVD
1/8-1/4 BURBANK, CA 91502
1030 ft.

HIST UST U001568354
N/A

Site 1 of 3 in cluster D

Relative:
Lower

UST HIST:

Actual:
579 ft.

Facility ID: 416
Total Tanks: 3
Owner Address: 5 W. MAGNOLIA BLVD.
BURBANK, CA 91502
Tank Used for: PRODUCT
Tank Num: 1
Tank Capacity: 00007500
Type of Fuel: DIESEL
Leak Detection: Visual
Contact Name: KEITH M. SWANER
Facility Type: Other

Owner Name: SWANER HARDWOOD COMPANY, INC.
Region: STATE

Container Num: DIESEL #1
Year Installed: Not reported
Tank Construction: Not Reported

Telephone: (213) 849-6761
Other Type: HARDWOOD LUMBER CO.

Facility ID: 416
Total Tanks: 3
Owner Address: 5 W. MAGNOLIA BLVD.
BURBANK, CA 91502
Tank Used for: PRODUCT
Tank Num: 2
Tank Capacity: 00008000
Type of Fuel: UNLEADED
Leak Detection: Visual
Contact Name: KEITH M. SWANER
Facility Type: Other

Owner Name: SWANER HARDWOOD COMPANY, INC.
Region: STATE

Container Num: UNLEADED 2
Year Installed: Not reported
Tank Construction: Not Reported

Telephone: (213) 849-6761
Other Type: HARDWOOD LUMBER CO.

Facility ID: 416
Total Tanks: 3
Owner Address: 5 W. MAGNOLIA BLVD.
BURBANK, CA 91502
Tank Used for: PRODUCT
Tank Num: 3
Tank Capacity: 00003000
Type of Fuel: PREMIUM
Leak Detection: Visual
Contact Name: KEITH M. SWANER
Facility Type: Other

Owner Name: SWANER HARDWOOD COMPANY, INC.
Region: STATE

Container Num: PREMIUM 3
Year Installed: Not reported
Tank Construction: Not Reported

Telephone: (213) 849-6761
Other Type: HARDWOOD LUMBER CO.

D11 SWANER HARDWOOD CO INC
SE 5 W MAGNOLIA BLVD
1/8-1/4 BURBANK, CA 91502
1030 ft.

RCRIS-SQG 1000686383
FINDS CAD983636663
UST

Relative:
Lower

Site 2 of 3 in cluster D

Actual:
579 ft.

CA FID UST
HAZNET
LOS ANGELES CO, HMS

Map ID
Direction
Distance
Distance (ft.)
Elevation

Site

Database(s)

EDR ID Number
EPA ID Number

SWANER HARDWOOD CO INC (Continued)

1000686383

RCRIS:

Owner: GARY SWANER
(213) 849-6761
EPA ID: CAD983636663
Contact: STEPHEN HAAG
(213) 849-6761
Classification: Small Quantity Generator
TSDF Activities: Not reported
Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system

HAZNET:

Gepaid: CAD983636663
TSD EPA ID: CAT000613893
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .2209
Waste Category: Aqueous solution with less than 10% total organic residues
Disposal Method: Transfer Station
Contact: KEITH M SWANER
Telephone: (213) 849-6761
Mailing Address: P O BOX 4200
BURBANK, CA 91503 - 4200
County: Los Angeles
Gepaid: CAD983636663
TSD EPA ID: CAT000613893
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .2918
Waste Category: Aqueous solution with less than 10% total organic residues
Disposal Method: Transfer Station
Contact: KEITH M SWANER
Telephone: (213) 849-6761
Mailing Address: P O BOX 4200
BURBANK, CA 91503 - 4200
County: Los Angeles
Gepaid: CAD983636663
TSD EPA ID: CAT000613893
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 0.2875
Waste Category: Aqueous solution with less than 10% total organic residues
Disposal Method: Transfer Station
Contact: KEITH M SWANER
Telephone: (213) 849-6761
Mailing Address: P O BOX 4200
BURBANK, CA 91503 - 4200
County: Los Angeles

Map ID
Direction
Distance
Distance (ft.)
Elevation

Site

Database(s)

EDR ID Number
EPA ID Number

SWANER HARDWOOD CO INC (Continued)

1000686383

Gepaid: CAD983636663
TSD EPA ID: Not reported
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 0.58
Waste Category: Unspecified oil-containing waste
Disposal Method: Recycler
Contact: KEITH SWANER
Telephone: (323) 849-6761
Mailing Address: PO BOX 4200
BURBANK, CA 91503 - 4200
County: Not reported

Gepaid: CAD983636663
TSD EPA ID: Not reported
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 0.05
Waste Category: Unspecified sludge waste
Disposal Method: Disposal, Land Fill
Contact: KEITH SWANER
Telephone: (323) 849-6761
Mailing Address: PO BOX 4200
BURBANK, CA 91503 - 4200
County: Not reported

FID:

Facility ID:	19010682	Regulate ID:	00226969
Reg By:	Active Underground Storage Tank Location		
Cortese Code:	Not reported	SIC Code:	Not reported
Status:	Active	Facility Tel:	(213) 849-6761
Mail To:	Not reported		
	5 W MAGNOLIA BLVD		
	BURBANK, CA 91502		
Contact:	Not reported	Contact Tel:	Not reported
DUNs No:	Not reported	NPDES No:	Not reported
Creation:	10/22/93	Modified:	00/00/00
EPA ID:	Not reported		
Comments:	Not reported		

HMS:

Facility Id:	009714-009549		
Area:	3E		
Facility Type:	T0		
Permit Number:	00000885T	Permit Status:	Removed
Facility Status:	Removed		
Region:	Los Angeles County:		

State UST:

Facility ID: 009549
Region: STATE
Local Agency: 19007

Map ID
Direction
Distance
Distance (ft.)
Elevation



E12
South
1/8-1/4
1159 ft.

ORO AMERICA INCORPORATED
443 NORTH VARNEY STREET
BURBANK, CA 91502

Site 1 of 7 in cluster E

RCRIS-LQG
FINDS
HAZNET
EMI

EDR ID Number
EPA ID Number

1000101844
CAD981427941

LOS ANGELES CO. HMS

Relative:
Lower

RCRIS:

Owner: NOT REQUIRED
(415) 555-1212

Actual:
567 ft.

EPA ID: CAD981427941

Contact: Not reported

Classification: Large Quantity Generator

TSDF Activities: Not reported

Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:

National Emissions Inventory

National Toxics Inventory

Resource Conservation and Recovery Act Information system

HAZNET:

Gepaid: CAD981427941

TSD EPA ID: CAD008488025

Gen County: Los Angeles

Tsd County: Los Angeles

Tons: .4587

Waste Category: Other Inorganic solid waste

Disposal Method: Treatment, Tank

Contact: OROAMERICA INC (PUBLIC CO)

Telephone: (000) 000-0000

Mailing Address: 443 N VARNEY ST
BURBANK, CA 91502 - 1733

County: Los Angeles

Gepaid: CAD981427941

TSD EPA ID: CAD008488025

Gen County: Los Angeles

Tsd County: Los Angeles

Tons: .6880

Waste Category: Unspecified alkaline solution

Disposal Method: Treatment, Tank

Contact: OROAMERICA INC (PUBLIC CO)

Telephone: (000) 000-0000

Mailing Address: 443 N VARNEY ST.
BURBANK, CA 91502 - 1733

County: Los Angeles

Gepaid: CAD981427941

TSD EPA ID: CAD008488025

Gen County: Los Angeles

Tsd County: Los Angeles

Tons: .6880

Waste Category:

Disposal Method: Not reported

Contact: OROAMERICA INC (PUBLIC CO)

Telephone: (000) 000-0000

Mailing Address: 443 N VARNEY ST
BURBANK, CA 91502 - 1733

Map ID
Direction
Distance
Distance (ft.)
Elevation Site



Database(s) EDR ID Number
EPA ID Number

ORO AMERICA INCORPORATED (Continued)

1000101844

County Los Angeles
Gepaid: CAD981427941
TSD EPA ID: CAD008488025
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .6880
Waste Category: Alkaline solution without metals (pH > 12.5)
Disposal Method: Treatment, Tank
Contact: OROAMERICA INC (PUBLIC CO)
Telephone: (000) 000-0000
Mailing Address: 443 N VARNEY ST
BURBANK, CA 91502 - 1733

County Los Angeles
Gepaid: CAD981427941
TSD EPA ID: CAD008504881
Gen County: Los Angeles
Tsd County: Orange
Tons: .1250
Waste Category:
Disposal Method: Recycler
Contact: OROAMERICA INC (PUBLIC CO)
Telephone: (000) 000-0000
Mailing Address: 443 N VARNEY ST
BURBANK, CA 91502 - 1733

County Los Angeles

Click this hyperlink while viewing on your computer to access
43 additional CA HAZNET record(s) in the EDR Site Report.

HMS:

Facility Id: 026034-035521
Area: 3E
Facility Type: Not reported
Permit Number: Not reported Permit Status: Not reported
Facility Status: OPEN
Region: Los Angeles County:

EMISSIONS :

Facility ID : 55473
Air District Code : SC
SIC Code : 3911
Total Priority Score : Not reported
Health Risk Assessment : Not reported
Non-cancer Chronic Haz Index : Not reported
Non-cancer Acute Haz Index : Not reported
Air Basin : SC
Air District Name : SOUTH COAST AQMD
Community Health Air Pollution Info System : Not reported
Consolidated Emission Reporting Rule : Not reported
County Code : 19
County ID : 19

Map ID
Direction
Distance
Distance (ft.)
Elevation Site



Database(s) EDR ID Number
EPA ID Number

F13 UNOCAL
North 901 N SAN FERNANDO BLVD
1/8-1/4 BURBANK, CA 91504
1159 ft.

UST U003776426
N/A

Relative: Site 1 of 3 in cluster F

Higher State UST:
Facility ID: 009981
Actual: Region: STATE
620 ft. Local Agency: 19007

F14 UNION OIL SERVICE STATION #247
North 901 N SAN FERNANDO BLVD
1/8-1/4 BURBANK, CA 91504
1159 ft.

HIST UST 1000166650
N/A

Relative: Site 2 of 3 in cluster F

Higher UST HIST:
Facility ID: 56082
Total Tanks: 1
Owner Address: 3701 WILSHIRE BOULEVARD-SUITE
LOS ANGELES, CA 90010
Tank Used for: WASTE
Tank Num: 1
Tank Capacity: 00000000
Type of Fuel: 06
Leak Detection: None
Contact Name: CHARLES E. MERCIER
Facility Type: Gas Station
Owner Name: UNION OIL COMPANY OF CALIFORNIA
Region: STATE
Container Num: 2477-00
Year Installed: Not reported
Tank Construction: Not Reported
Telephone: (818) 848-9795
Other Type: Not reported

F15 SERVICE STATION 2477
North 901 N SAN FERNANDO BLVD
1/8-1/4 BURBANK, CA 91504
1159 ft.

HIST UST U001568382
N/A

Relative: Site 3 of 3 in cluster F

Higher UST HIST:
Facility ID: 29319
Total Tanks: 3
Owner Address: 3701 WILSHIRE BOULEVARD-SUITE
LOS ANGELES, CA 90010
Tank Used for: PRODUCT
Tank Num: 1
Tank Capacity: 00009950
Type of Fuel: UNLEADED
Leak Detection: Stock Inventor, Pressure Test
Contact Name: CHARLES E. MERCIER
Facility Type: Gas Station
Owner Name: UNION OIL COMPANY OF CALIFORNIA
Region: STATE
Container Num: 2477-1
Year Installed: 1973
Tank Construction: Not Reported
Telephone: (818) 848-9795
Other Type: Not reported
Facility ID: 29319
Total Tanks: 3
Owner Address: 3701 WILSHIRE BOULEVARD-SUITE
LOS ANGELES, CA 90010
Tank Used for: PRODUCT
Tank Num: 2
Tank Capacity: 00009950
Type of Fuel: PREMIUM
Leak Detection: Stock Inventor, Pressure Test
Contact Name: CHARLES E. MERCIER
Facility Type: Gas Station
Owner Name: UNION OIL COMPANY OF CALIFORNIA
Region: STATE
Container Num: 2477-2
Year Installed: 1973
Tank Construction: Not Reported
Telephone: (818) 848-9795
Other Type: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation



Site

Database(s)

EDR ID Number
EPA ID Number

SERVICE STATION 2477 (Continued)

U001568382

Facility ID:	29319	Owner Name:	UNION OIL COMPANY OF CALIFORNIA
Total Tanks:	3	Region:	STATE
Owner Address:	3701 WILSHIRE BOULEVARD-SUITE LOS ANGELES, CA 90010		
Tank Used for:	WASTE	Container Num:	2477-4
Tank Num:	3	Year Installed:	73
Tank Capacity:	00000550	Tank Construction:	Not Reported
Type of Fuel:	WASTE OIL		
Leak Detection:	Stock Inventor, Pressure Test		
Contact Name:	CHARLES E MERCIER	Telephone:	(818) 848-9795
Facility Type:	Gas Station	Other Type:	Not reported

E16
South
1/8-1/4
1162 ft.

OROAMERICA
443 N. VARNEY ST.
BURBANK, CA 91502

CA SLIC **S106484785**
N/A

Site 2 of 7 in cluster E

Relative:
Lower

CA STATE SLIC :
Global Id : SL603798989
Region : STATE
Assigned Name : SLIC SITE
Lead Agency Contact : UNASSIGNED
Lead Agency : LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number : 109.5985
Responsible Party : UNKNOWN
Recent Dtw : Not reported
Substance Released : CR, VOC

Actual:
567 ft.

E17
South
1/8-1/4
1174 ft.

THREE D PLASTICS INC
440 N VARNEY ST
BURBANK, CA 91502

RCRIS-SQG **1000201928**
FINDS **CAD982336208**
HAZNET

Site 3 of 7 in cluster E

Relative:
Lower

RCRIS:
Owner: FRANK JAMES DVORACEK
(415) 555-1212
EPA ID: CAD982336208
Contact: ENVIRONMENTAL MANAGER
(213) 849-1316

Actual:
567 ft.

Classification: Small Quantity Generator
TSDF Activities: Not reported
Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system

Map ID
Direction
Distance
Distance (ft.)
Elevation Site



EDR ID Number
EPA ID Number
Database(s)

THREE D PLASTICS INC (Continued)

1000201928

HAZNET:

Gepaid: CAD982336208
TSD EPA ID: CAD009522988
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 1.4595
Waste Category: Waste oil and mixed oil
Disposal Method: Recycler
Contact: FRANK J. DVORACEK
Telephone: (818) 954-8453
Mailing Address: 430 N VARNEY ST
BURBANK, CA 91502 - 1732
County Los Angeles

Gepaid: CAD982336208
TSD EPA ID: CAD099452708
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 7.5351
Waste Category: Waste oil and mixed oil
Disposal Method: Recycler
Contact: FRANK J. DVORACEK
Telephone: (818) 954-8453
Mailing Address: 430 N VARNEY ST
BURBANK, CA 91502 - 1732
County Los Angeles

Gepaid: CAD982336208
TSD EPA ID: CAT080013352
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 3.4402
Waste Category: Unspecified oil-containing waste
Disposal Method: Recycler
Contact: FRANK J. DVORACEK
Telephone: (818) 954-8453
Mailing Address: 430 N VARNEY ST
BURBANK, CA 91502 - 1732
County Los Angeles

Gepaid: CAD982336208
TSD EPA ID: TND000772186
Gen County: Los Angeles
Tsd County: 99
Tons: .5000
Waste Category: Unspecified oil-containing waste
Disposal Method: Transfer Station
Contact: FRANK J. DVORACEK
Telephone: (818) 954-8453
Mailing Address: 430 N VARNEY ST
BURBANK, CA 91502 - 1732
County Los Angeles

Map ID
Direction
Distance
Distance (ft.)
Elevation Site



Database(s) EDR ID Number
EPA ID Number

THREE D PLASTICS INC (Continued)

1000201928

Gepaid: CAD982336208
TSD EPA ID: CAT080013352
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 2.2643
Waste Category: Waste oil and mixed oil
Disposal Method: Recycler
Contact: FRANK J. DVORACEK
Telephone: (818) 954-8453
Mailing Address: 430 N VARNEY ST
BURBANK, CA 91502 - 1732
County: Los Angeles

[Click this hyperlink](#) while viewing on your computer to access
11 additional CA HAZNET record(s) in the EDR Site Report.

D18
SE
1/8-1/4
1218 ft.

SILTAMAKI AND BENKOUSKY
350 N BONNYWOOD PL
BURBANK, CA 91502

HIST UST U001568351
N/A

Site 3 of 3 in cluster D

Relative:
Equal

Actual:
584 ft.

UST HIST:

Facility ID: 47096
Total Tanks: 1
Owner Address: 350 N. BONNYWOOD PL.
BURBANK, CA 91502
Tank Used for: PRODUCT
Tank Num: 1
Tank Capacity: 00008000
Type of Fuel: Not reported
Leak Detection: None
Contact Name: Not reported
Facility Type: Other

Owner Name: SILTAMAKI AND BENKOUSKY
Region: STATE

Container Num: #1
Year Installed: 1972
Tank Construction: Not Reported

Telephone: (818) 848-6500
Other Type: INDUSTRIAL BUILDING

G19
WNW
1/8-1/4
1237 ft.

BURBANK YARD
4 W BURBANK BLVD
BURBANK, CA 91506

CA FID UST S101583747
LOS ANGELES CO. HMS N/A

Site 1 of 4 in cluster G

Relative:
Higher

Actual:
594 ft.

FID:

Facility ID: 19005870
Reg By: Active Underground Storage Tank Location
Cortese Code: Not reported
Status: Active
Mail To: Not reported
200 MARION WAY
BURBANK, CA 91506

Regulate ID: 00041507
SIC Code: Not reported
Facility Tel: (818) 000-0000

Contact: Not reported
DUNs No: Not reported
Creation: 10/22/93
EPA ID: Not reported
Comments: Not reported

Contact Tel: Not reported
NPDES No: Not reported
Modified: 00/00/00

HMS:

Facility Id: 011498-011543
Area: 3E

Map ID
Direction
Distance
Distance (ft.)
Elevation

Site

Database(s)

EDR ID Number
EPA ID Number

H24 ACME AUTOWORK
WSW 738 N. VICTORY BLVD.
1/4-1/2 BURBANK, CA 91502
1378 ft.

CA SLIC S106484470
N/A

Site 1 of 2 in cluster H

Relative:
Lower

CA STATE SLIC :

Global Id : SL603798644

Actual:
560 ft.

Region : STATE

Assigned Name : SLIC SITE

Lead Agency Contact : UNASSIGNED

Lead Agency : LOS ANGELES RWQCB (REGION 4)

Lead Agency Case Number : 104.1579

Responsible Party : BOB KRAUSS

Recent Dtw : Not reported

Substance Released : VOC

G25 1928 JEWELRY COMPANY
WNW 1000 N. LAKE ST.
1/4-1/2 BURBANK, CA 91504
1377 ft.

CA SLIC S106484464
N/A

Site 4 of 4 in cluster G

Relative:
Lower

CA STATE SLIC :

Global Id : SL603798638

Actual:
583 ft.

Region : STATE

Assigned Name : SLIC SITE

Lead Agency Contact : UNASSIGNED

Lead Agency : LOS ANGELES RWQCB (REGION 4)

Lead Agency Case Number : 104.1243

Responsible Party : MR. HERB NEEDLES

Recent Dtw : Not reported

Substance Released : VOC

I26 VORELCO INC.
WSW 825 N. VICTORY BLVD.
1/4-1/2 BURBANK, CA 91502
1386 ft.

CA SLIC S106484792
N/A

Site 1 of 4 in cluster I

Relative:
Equal

CA STATE SLIC :

Global Id : SL603798997

Actual:
584 ft.

Region : STATE

Assigned Name : SLIC SITE

Lead Agency Contact : MOHAMMAD ZAIDI

Lead Agency : LOS ANGELES RWQCB (REGION 4)

Lead Agency Case Number : 109.6296

Responsible Party : TOM MOFFATT

Recent Dtw : Not reported

Substance Released : VOC

Map ID
Direction
Distance
Distance (ft.)
Elevation



127
WSW
1/4-1/2
1386 ft

ALLAN PORSCHE AUDI, LTD
825 N VICTORY BLVD
BURBANK, CA 91502

Database(s)
EDR ID Number
EPA ID Number

HIST UST
U001568320
N/A

Relative:
Equal
Site 2 of 4 in cluster 1

Actual:
584 ft.

UST HIST:

Facility ID: 41143
Total Tanks: 2
Owner Address: 27650 DEQUINDRE ROAD
WARREN, MI 48092

Owner Name: VARELCO, INC.
Region: STATE

Tank Used for: WASTE

Tank Num: 1

Container Num: 1

Tank Capacity: 00000000

Year Installed: Not reported

Type of Fuel: WASTE OIL

Tank Construction: Not Reported

Leak Detection: None

Contact Name: ALLAN WINOGURA/BARBAR PLANTIN

Telephone: (818) 841-0911

Facility Type: Other

Other Type: AUTO DEALERSHIP

Facility ID: 41143

Owner Name: VARELCO, INC.

Total Tanks: 2

Region: STATE

Owner Address: 27650 DEQUINDRE ROAD
WARREN, MI 48092

Tank Used for: WASTE

Tank Num: 2

Container Num: 2

Tank Capacity: 00000000

Year Installed: Not reported

Type of Fuel: Not reported

Tank Construction: Not Reported

Leak Detection: None

Contact Name: ALLAN WINOGURA/BARBAR PLANTIN

Telephone: (818) 841-0911

Facility Type: Other

Other Type: AUTO DEALERSHIP

128
WSW
1/4-1/2
1386 ft.

FOUR WHEEL PARTS WHOLESALERS
825 NORTH VICTORY BLVD
BURBANK, CA 91502

RCRIS-SQG
FINDS
HAZNET
LOS ANGELES CO. HMS
1000417997
CAD981688252

Relative:
Equal

Site 3 of 4 in cluster 1

Actual:
584 ft.

RCRIS:

Owner: FOUR WHEEL PARTS WHOLESALERS
(310) 900-5500

EPA ID: CAD981688252

Contact: DAN HANAMI
(818) 840-8090

Classification: Small Quantity Generator

TSD Activities: Not reported

Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system

Map ID
Direction
Distance
Distance (ft.)
Elevation Site



Database(s)
EDR ID Number
EPA ID Number

FOUR WHEEL PARTS WHOLESALERS (Continued)

1000417997

HAZNET:

Gepaid: CAC000072109
TSD EPA ID: CAD000088252
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .1250
Waste Category: Unspecified solvent mixture Waste
Disposal Method: Transfer Station
Contact: Not reported
Telephone: (000) 000-0000
Mailing Address: TROY, MI 48007 - 7050
County: Los Angeles

Gepaid: CAD981688252
TSD EPA ID: Not reported
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 0.07
Waste Category: Aqueous solution with less than 10% total organic residues
Disposal Method: Transfer Station
Contact: INACTIVE UNDELIVER SURVEY
Telephone: --
Mailing Address: 825 N VICTORY BLVD
BURBANK, CA 91502
County: Not reported

Gepaid: CAD981688252
TSD EPA ID: Not reported
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 0.16
Waste Category: Aqueous solution with less than 10% total organic residues
Disposal Method: Transfer Station
Contact: INACTIVE UNDELIVER SURVEY
Telephone: --
Mailing Address: 825 N VICTORY BLVD
BURBANK, CA 91502
County: Not reported

HMS:

Facility Id: 012641-012810
Area: 3E
Facility Type: T0
Permit Number: 00004734T Permit Status: Removed
Facility Status: Removed
Region: Los Angeles County:

E29
South
1/4-1/2
1387 ft.

COATING FACILITY
410 N VARNEY ST
BURBANK, CA 91502

HIST UST U001568332
N/A

Relative:
Lower

Site 6 of 7 in cluster E

Actual:
567 ft.

UST HIST:

Facility ID: 64190
Total Tanks: 1
Owner Address: 135 W. MAGNOLIA BLVD.
BURBANK, CA 91510 - 7704
Tank Used for: WASTE
Tank Num: 1

Owner Name: INTERNATIONAL ELECTRONIC RESEA
Region: STATE

Container Num: 2

Map ID
Direction
Distance
Distance (ft.)
Elevation

Site

Database(s)

EDR ID Number
EPA ID Number

COATING FACILITY (Continued)

U001568332

Tank Capacity:	00000045	Year Installed:	1967
Type of Fuel:	Not reported	Tank Construction:	Not Reported
Leak Detection:	None		
Contact Name:	E. GALVEZ	Telephone:	(213) 849-2481
Facility Type:	Other	Other Type:	MANUFACTURING

E30
South
1/4-1/2
1387 ft.

COATING
410 N VARNEY ST
BURBANK, CA 91502

HIST UST
EMI N/A

U001568331

Site 7 of 7 in cluster E

Relative:
Lower

UST HIST:

Actual:
567 ft.

Facility ID:	17537
Total Tanks:	1
Owner Address:	135 WEST MAGNOLIA BLVD. BURBANK, CA 91502
Tank Used for:	WASTE
Tank Num:	1
Tank Capacity:	00000905
Type of Fuel:	Not reported
Leak Detection:	None
Contact Name:	ELIZABETH GALVEZ
Facility Type:	Other

Owner Name: INTERNATIONAL ELECTRONIC RESEA
Region: STATE

Container Num: 1
Year Installed: 1967
Tank Construction: Not Reported

Telephone: (213) 849-2481
Other Type: MANUFACTURING

EMISSIONS :

Facility ID :	1732
Air District Code :	SC
SIC Code :	3679
Total Priority Score :	Not reported
Health Risk Assessment :	Not reported
Non-cancer Chronic Haz Index :	Not reported
Non-cancer Acute Haz Index :	Not reported
Air Basin :	SC
Air District Name :	SOUTH COAST AQMD
Community Health Air Pollution Info System :	Not reported
Consolidated Emission Reporting Rule :	Not reported
County Code :	19
County ID :	19

J31
South
1/4-1/2
1389 ft.

INTL ELECTRONIC RESEARCH CORP
413 N MOSS ST
BURBANK, CA 91502

RCRIS-SQG 1000857225
FINDS CAD008255804
LOS ANGELES CO. HMS
CA WDS

Site 1 of 11 in cluster J

Relative:
Lower

Actual:
566 ft.

Map ID
Direction
Distance
Distance (ft.)
Elevation Site



Database(s)
EDR ID Number
EPA ID Number

INTL ELECTRONIC RESEARCH CORP (Continued)

1000857225

RCRIS:

Owner: DYNAMICS CORP OF AMERICA
(219) 293-7511
EPA ID: CAD008255804
Contact: Not reported
Classification: Small Quantity Generator
TSDF Activities: Not reported
Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system

WDS:

Facility ID: 4 191001782
Facility Contact: W. Anderson
SIC Code: 3499
Agency Name: IERC INT'L ELEC. RESEARCH CORP
Agency Address: 0
Agency Contact: Not reported
Design Flow: 0 Million Gal/Day
Facility Type: Not reported
Facility Status: Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
Agency Type: Not reported
Waste Type: Stormwater Runoff - Inert/Influent or Solid Wastes that do not contain soluble pollutants or organic wastes and have little adverse impact on water quality. Such wastes could cause turbidity and siltation. Uncontaminated soils, rubble and concrete are examples of this category.
Threat to Water: Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a Higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
Complexity: Category C - Facilities having no waste treatment systems, such as cooling water dischargers or those who must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.
Reclamation: No reclamation requirements associated with this facility.
POTW: The facility is not a POTW.
NPDES Number: CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion: 4

HMS:

Facility Id: 011321-011349
Area: 3E
Facility Type: Not reported
Permit Number: Not reported
Facility Status: OPEN
Region: Los Angeles County
Permit Status: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation

Site

Database(s)

EDR ID Number
EPA ID Number

H32
SW
1/4-1/2
1405 ft.

MEDI RIDE INC
700 N VICTORY BLVD
BURBANK, CA 91506

RCRIS-SQG
FINDS

1000597529
CAD983615444

Site 2 of 2 in cluster H

Relative:
Lower

RCRIS:

Owner: MEDI RIDE
(818) 507-0000

Actual:
579 ft.

EPA ID: CAD983615444

Contact: KEN GREENBLATT
(818) 562-6984

Classification: Small Quantity Generator

TSDF Activities: Not reported

Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system

J33
South
1/4-1/2
1409 ft.

IERC INT'L ELEC. RESEARCH CORP
135 W. MAGNOLIA BLVD.
BURBANK, CA 91502

CA SLIC S106484784
N/A

Site 2 of 11 in cluster J

Relative:
Lower

CA STATE SLIC:

Global Id: SL603798988

Actual:
566 ft.

Region: STATE

Assigned Name: SLICSITE

Lead Agency Contact: UNASSIGNED

Lead Agency: LOS ANGELES RWQCB (REGION 4)

Lead Agency Case Number: 109.5562

Responsible Party: W. ANDERSON

Recent Dtw: 88.14

Substance Released: MET, VOC

I34
WSW
1/4-1/2
1432 ft.

SPENCE ELECTROPLATING
917 W. CHESTNUT ST.
BURBANK, CA

CA SLIC S106484794
N/A

Site 4 of 4 in cluster I

Relative:
Lower

CA STATE SLIC:

Global Id: SL603798999

Actual:
583 ft.

Region: STATE

Assigned Name: SLICSITE

Lead Agency Contact: UNASSIGNED

Lead Agency: LOS ANGELES RWQCB (REGION 4)

Lead Agency Case Number: 109.6557

Responsible Party: Not reported

Recent Dtw: Not reported

Substance Released: CR, VOC

Map ID
Direction
Distance
Distance (ft.)
Elevation

APPENDICES

Site

Database(s)

EDR ID Number
EPA ID Number

35
ESE
1/4-1/2
1454 ft.

FLIGHT CENTER
72 E PALM AVE
BURBANK, CA 91502

RCRIS-SQG
FINDS
HAZNET
LOS ANGELES CO. HMS
1000234965
CAD027953959

Relative:
Higher

RCRIS:

Owner: NOT REQUIRED
(415) 555-1212

Actual:
592 ft.

EPA ID: CAD027953959

Contact: Not reported

Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system

HAZNET:

Gepaid: CAL000022171
TSD EPA ID: CAD008364432
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 2085
Waste Category: Unspecified solvent mixture Waste
Disposal Method: Recycler
Contact: DON FISKE
Telephone: (000) 000-0000
Mailing Address: PO BOX 3116
BURBANK, CA 91504 - 3116
County: Los Angeles

HMS:

Facility Id: 026023-035510
Area: 3E
Facility Type: Not reported
Permit Number: Not reported
Facility Status: OPEN
Region: Los Angeles County:

Permit Status: Not reported

J36
South
1/4-1/2
1458 ft.

DEBURRING
151 W MAGNOLIA BLVD
BURBANK, CA 91502

HIST UST
U001568334
N/A

Site 3 of 11 in cluster J

Relative:
Lower

UST HIST:

Facility ID: 17538
Total Tanks: 1
Owner Address: 135 WEST MAGNOLIA BLVD.
BURBANK, CA 91502
Tank Used for: WASTE
Tank Num: 1
Tank Capacity: 00000435
Type of Fuel: Not reported
Leak Detection: None
Contact Name: ERNEST MARTINEZ
Facility Type: Other

Owner Name: INTERNATIONAL ELECTRONIC RESEA
Region: STATE

Container Num: 1
Year Installed: 1967
Tank Construction: Not Reported

Telephone: (213) 849-2481
Other Type: MANUFACTURING

Map ID
Direction
Distance
Distance (ft.)
Elevation



Site

Database(s)

EDR ID Number
EPA ID Number

K37 BURBANK YD.
WNW #4 WEST BURBANK BLVD.
1/4-1/2 BURBANK, CA 91502
1478 ft.

HIST UST U001568330
N/A

Site 1 of 7 in cluster K

Relative:
Lower

UST HIST:

Actual:
583 ft.

Facility ID: 41507
Total Tanks: 1
Owner Address: ONE MARKET PLAZA - ROOM 1007
SAN FRANCISCO, CA 94105
Tank Used for: PRODUCT
Tank Num: 1
Tank Capacity: 00001500
Type of Fuel: REGULAR
Leak Detection: Visual, Stock Inventor
Contact Name: D.M. KNOSP
Facility Type: Other

Owner Name: SOUTHERN PACIFIC TRANSPORTATIO
Region: STATE

Container Num: 1
Year Installed: Not reported
Tank Construction: Not Reported

Telephone: (714) 877-5830
Other Type: TRANS. CO.

L38 TERRY LUMBER
SW 640 N VICTORY BLVD
1/4-1/2 BURBANK, CA 91502
1488 ft.

UST U003777192
N/A

Site 1 of 3 in cluster L

Relative:
Lower

State UST:

Actual:
576 ft.

Facility ID: 014089
Region: STATE
Local Agency: 19007

L39 BUILDERS EMPORIUM
SW 641 N VICTORY BLVD
1/4-1/2 BURBANK, CA 91502
1493 ft.

RCRIS-SQG 1000278734
FINDS CAD982032583

Site 2 of 3 in cluster L

Relative:
Lower

RCRIS:

Actual:
576 ft.

Owner: WICKES CORP
(415) 555-1212
EPA ID: CAD982032583
Contact: ENVIRONMENTAL MANAGER
(714) 852-4250
Classification: Small Quantity Generator
TSDF Activities: Not reported
Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system

Map ID
Direction
Distance
Distance (ft.)
Elevation



Site

Database(s)

EDR ID Number
EPA ID Number

M40
West
1/4-1/2
1496 ft.

AGFA-GEVAERT, INC.
914 N. VICTORY BLVD.
BURBANK, CA 91502

CA SLIC

S106484777
N/A

Site 1 of 5 in cluster M

Relative:
Higher

CA STATE SLIC:

Global Id : SL603798981
Region : STATE
Assigned Name : SLICSITE
Lead Agency Contact : UNASSIGNED
Lead Agency : LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number : 109.5045
Responsible Party : EDWARD MURPHY
Recent Dtw : Not reported
Substance Released : VOC

Actual:
586 ft.

M41
West
1/4-1/2
1496 ft.

AGFA DIVISION OF BAYER
914 NORTH VICTORY BLVD.
BURBANK, CA 91502

RCRIS-SQG
FINDS
HAZNET

1000142592
CAD981461767

Site 2 of 5 in cluster M

Relative:
Higher

RCRIS:

Owner: JEM INTERNATIONAL INC
(818) 880-5106
EPA ID: CAD981461767
Contact: WILLIAM BOSMANN
(201) 440-2500

Actual:
586 ft.

Classification: Small Quantity Generator
TSDF Activities: Not reported
Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system

HAZNET:

Gepaid: CAD981461767
TSD EPA ID: CAD008302903
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .0625
Waste Category: Unspecified organic liquid mixture
Disposal Method: Recycler
Contact: JEM INTERNATIONAL
Telephone: (818) 880-5106
Mailing Address: 100 CHALLENGER RD
RIDGEFIELD PARK, NJ 07660 - 2105
County: Los Angeles

Map ID
Direction
Distance
Distance (ft.)
Elevation Site



EDR ID Number
EPA ID Number
Database(s)

AGFA DIVISION OF BAYER (Continued)

1000142592

Gepaid: CAD981461767
TSD EPA ID: CAD008302903
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 1.2927
Waste Category: Off-specification, aged, or surplus organics
Disposal Method: Transfer Station
Contact: JEM INTERNATIONAL
Telephone: (818) 880-5106
Mailing Address: 100 CHALLENGER RD
RIDGEFIELD PARK, NJ 07660 - 2105
County: Los Angeles

Gepaid: CAD981461767
TSD EPA ID: CAT000646117
Gen County: Los Angeles
Tsd County: Kings
Tons: .8340
Waste Category: Off-specification, aged, or surplus organics
Disposal Method: Transfer Station
Contact: JEM INTERNATIONAL
Telephone: (818) 880-5106
Mailing Address: 100 CHALLENGER RD
RIDGEFIELD PARK, NJ 07660 - 2105
County: Los Angeles

Gepaid: CAD981461767
TSD EPA ID: CAT000646117
Gen County: Los Angeles
Tsd County: Kings
Tons: 2.1267
Waste Category: Laboratory waste chemicals
Disposal Method: Treatment, Tank
Contact: JEM INTERNATIONAL
Telephone: (818) 880-5106
Mailing Address: 100 CHALLENGER RD
RIDGEFIELD PARK, NJ 07660 - 2105
County: Los Angeles

Gepaid: CAD981461767
TSD EPA ID: CAT000646117
Gen County: Los Angeles
Tsd County: Kings
Tons: .0625
Waste Category: Photochemicals/photoprocessing waste
Disposal Method: Disposal, Other
Contact: JEM INTERNATIONAL
Telephone: (818) 880-5106
Mailing Address: 100 CHALLENGER RD
RIDGEFIELD PARK, NJ 07660 - 2105
County: Los Angeles

[Click this hyperlink](#) while viewing on your computer to access
34 additional CA HAZNET record(s) in the EDR Site Report.

Map ID
Direction
Distance
Distance (ft.)
Elevation

Site

Database(s)

EDR ID Number
EPA ID Number

M42
West
1/4-1/2
1502 ft.

CHEVRON #9-5538
923 VICTORY BLVD N
BURBANK, CA 91502

Cortese
LUST

S102427298
N/A

Site 3 of 5 in cluster M

Relative:
Higher

State LUST:

Actual:
586 ft.

Cross Street: Not reported
Qty Leaked: Not reported
Case Number: 915020143
Reg Board: 4
Chemical: Gasoline
Lead Agency: Local Agency
Local Agency: 19007
Case Type: Soil only
Status: Case Closed
Review Date: Not reported
Workplan: Not reported
Pollution Char: Not reported
Remed Action: Not reported
Monitoring: Not reported
Close Date: 1997-08-29 00:00:00
Release Date: Not reported
Cleanup Fund Id: Not reported
Discover Date: Not reported
Enforcement Dt: Not reported
Ent Type: Not reported
Enter Date: 1986-12-31 00:00:00
Funding: Not reported
Staff Initials: DB
How Discovered: Tank Closure
How Stopped: Not reported
Interim: Not reported
Leak Cause: UNK
Leak Source: UNK
MTBE Date: Not reported
Max MTBE GW: Not reported
MTBE Tested: MTBE Detected. Site tested for MTBE & MTBE detected
Priority: Not reported
Local Case #: 0
Beneficial: Not reported
Staff: UNK
GW Qualifier: Not reported
Max MTBE Soil: ND Parts per Million
Soil Qualifier: Not reported
Hydr Basin #: SAN FERNANDO VALLEY
Operator: SCHANDLER, ODETTE
Oversight Prgm: LUST
Review Date: 1997-08-29 00:00:00
Stop Date: Not reported
Work Suspended: Not reported
Responsible Party: CHEVRON USA, INC.
RP Address: P.O. BOX 2833, LA HABRA, CA 90631
Global Id: T0603702507
Org Name: Not reported
Contact Person: Not reported
MTBE Conc: 1
Mtb Fuel: 1
Water System Name: Not reported

Confirm Leak: Not reported
Prelim Assess: Not reported
Remed Plan: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site



Database(s)
EDR ID Number
EPA ID Number

CHEVRON #9-5538 (Continued)

S102427298

Well Name: Not reported
Distance To Lust: 1
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported

Cross Street: Not reported
Qty Leaked: Not reported
Case Number 915020143A
Reg Board: 4
Chemical: Gasoline
Lead Agency: Regional Board
Local Agency: 18007
Case Type: Soil only

Status: Case Closed
Review Date: 1999-12-10 00:00:00
Workplan: Not reported
Pollution Char: Not reported
Remed Action: Not reported
Monitoring: Not reported
Close Date: 2001-11-05 00:00:00

Confirm Leak: 1999-12-10 00:00:00
Prelim Assess: Not reported
Remed Plan: Not reported

Release Date: Not reported
Cleanup Fund Id: Not reported
Discover Date: Not reported
Enforcement Dt: Not reported
Enf Type: Not reported
Enter Date: Not reported
Funding: Not reported
Staff Initials: DB
How Discovered: Not reported
How Stopped: Not reported
Interim: Not reported
Leak Cause: Not reported
Leak Source: Not reported
MTBE Date: Not reported
Max MTBE GW: Not reported
MTBE Tested: Site NOT Tested for MTBE. Includes Unknown and Not Analyzed.
Priority: Not reported
Local Case #: 0
Beneficial: Not reported
Staff: MB
GW Qualifier: Not reported
Max MTBE Soil: Not reported
Soil Qualifier: Not reported
Hydr Basin #: SAN FERNANDO VALLEY
Operator: Not reported
Oversight Prgm: LUST
Review Date: 2000-01-20 00:00:00
Stop Date: Not reported
Work Suspended: Not reported
Responsible Party: MR. JOHN FULLER
RP Address: P.O. BOX 2833
Global Id: T0603702508
Org Name: Not reported
Contact Person: Not reported
MTBE Conc: 0
Mlbe Fuel: 1
Water System Name: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site



Database(s)
EDR ID Number
EPA ID Number

CHEVRON #9-5538 (Continued)

S102427298

Well Name: Not reported
Distance To Lust: 1
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported

LUST Region 4:

Report Date: 12/10/1999
Lead Agency: Regional Board
Local Agency: 19007
Substance: Gasoline
Case Type: Soil
Status: Case Closed
Region: 4
Staff: MB

Date Case Last Changed on Database: 1/20/00
Date Leak Record Entered: Not reported
Historical Max MTBE Date: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil : Not reported
County: Los Angeles
Organization : Not reported
Regional Board: 4

Owner Contact: Not reported

Responsible Party:

MR. JOHN FULLER

RP Address:

P.O. BOX 2833

Significant Interim Remedial Action Taken:

Not reported

Program :

LUST

Lat / Long :

34 / -118

Local Agency Staff:

DB

Summary :

1/20/00 RESPONSE TO MTBE INVESTIGATION

Hydrologic Basin # :

SAN FERNANDO VALLEY

Beneficial Use :

Not reported

Priority :

Not reported

Cleanup Fund Id :

Not reported

Suspended :

Not reported

Local Case No :

Not reported

Substance Quantity :

0

Abatement Method Used at the Site:

Not reported

Operator :

Not reported

Water System :

Not reported

Well Name :

Not reported

Approx. Dist To Production Well (ft) :

2959.441575

Assigned Name :

Not reported

Source of Cleanup Funding:

Not reported

Date the Leak was Discovered:

/ /

How the Leak was Discovered:

Not reported

How the Leak was Stopped:

Not reported

Cause of Leak:

Not reported

Leak Source:

Not reported

Date The Leak was Stopped:

Not reported

Date Confirmation Leak Began:

12/10/99

Preliminary Site Assessment Workplan Submitted: Not reported

Preliminary Site Assessment Began: Not reported

Pollution Characterization Began: Not reported

Remediation Plan Submitted: Not reported

Remedial Action Underway: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site



Database(s) EDR ID Number
EPA ID Number

CHEVRON #9-5538 (Continued)

5102427298

Post Remedial Action Monitoring Began:	Not reported
Date the Case was Closed:	11/5/01
Enforcement Action Date:	Not reported
Date Leak First Reported:	12/10/1999
Enforcement Type:	Not reported
Global ID :	T0603702508
Cross Street:	Not reported
Report Date:	05/22/1985
Lead Agency:	Local Agency
Local Agency:	19007
Substance:	Gasoline
Case Type:	Soil
Status:	Case Closed
Region:	4
Staff:	UNK
Date Case Last Changed on Database:	8/29/97
Date Leak Record Entered:	12/31/86
Historical Max MTBE Date:	Not reported
GW Qualifier:	Not reported
Soil Qualifier:	Not reported
Hist Max MTBE Conc in Groundwater:	Not reported
Hist Max MTBE Conc in Soil :	Not reported
County:	Los Angeles
Organization :	Not reported
Regional Board:	4
Owner Contact:	Not reported
Responsible Party:	CHEVRON USA, INC.
RP Address:	P.O. BOX 2833, LA HABRA, CA 90631
Significant Interim Remedial Action Taken:	Not reported
Program :	LUST
Lat / Long :	34 / -118
Local Agency Staff:	DB
Summary :	OLD CASE #000234
Hydrologic Basin # :	SAN FERNANDO VALLEY
Beneficial Use :	Not reported
Priority :	Not reported
Cleanup Fund Id :	Not reported
Suspended :	Not reported
Local Case No :	Not reported
Substance Quantity :	0
Abatement Method Used at the Site:	Not reported
Operator :	SCHANDLER, ODETTE
Water System :	Not reported
Well Name :	Not reported
Approx. Dist To Production Well (ft) :	2886.954305
Assigned Name :	Not reported
Source of Cleanup Funding:	Not reported
Date the Leak was Discovered:	05/22/1985
How the Leak was Discovered:	Tank Closure
How the Leak was Stopped:	Not reported
Cause of Leak:	UNK
Leak Source:	UNK
Date The Leak was Stopped:	5/22/85
Date Confirmation Leak Began:	Not reported
Preliminary Site Assessment Workplan Submitted:	Not reported
Preliminary Site Assessment Began:	Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site



Database(s) EDR ID Number
EPA ID Number

CHEVRON #9-5538 (Continued)

S102427298

Pollution Characterization Began: Not reported
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Date the Case was Closed: 8/29/97
Enforcement Action Date: Not reported
Date Leak First Reported: 05/22/1985
Enforcement Type: Not reported
Global ID : T0603702507
Cross Street: Not reported

CORTESE:

Region: CORTESE
Fac Address 2: 923 VICTORY BLVD N

Region: CORTESE
Fac Address 2: 923 VICTORY BLVD N

N43
NNW
1/4-1/2
1517 ft.

CROWN CLEANERS
928 W SAN FERNANDO RD
BURBANK, CA

CLEANERS **S106166935**
N/A

Site 1 of 4 in cluster N

Relative:
Higher

Actual:
617 ft.

CA Cleaners:
Inactive Date: 1/1/1995
EPA Id: CAL000016807
Facility Address 2 Not reported
NAICS Code : Not reported
Facility Active : No
Mail Name : Not reported
Mailing Address: 928 W SAN FERNANDO RD
BURBANK, CA 91504
Owner Name : BOHUN JOHN S
Mailing Address: --
-- , 99 --
Owner Telephone 0000000000
Contact Name : SURVEY LETTER UNDELIV 11-22-94
Mailing Address: --
-- , 99 --
Contact Telephone:-
Contact Fax : Not reported
Contact Email : Not reported
Region Code : 3

N44
NNW
1/4-1/2
1517 ft.

BURBANK CLEANERS
928 N SAN FERNANDO STE G
BURBANK, CA 91504

HAZNET **S103953578**
CLEANERS **N/A**

Site 2 of 4 in cluster N

Relative:
Higher

Actual:
617 ft.

CA Cleaners:
Inactive Date: 6/30/2000
EPA Id: CAL000195509
Facility Address 2 Not reported
NAICS Code : Not reported
Facility Active : No
Mail Name : Not reported
Mailing Address: 928 N SAN FERNANDO STE G

Map ID
Direction
Distance
Distance (ft.)
Elevation

Site

MAP

Database(s)

EDR ID Number
EPA ID Number

BURBANK CLEANERS (Continued)

S103953578

BURBANK, CA 91504
Owner Name : ROY YOON
Mailing Address: 928 N SAN FERNANDO STE G
BURBANK, CA 91504
Owner Telephone 8188411126
Contact Name : ROY YOON
Mailing Address: INACT 00VQ FINAL NOTICE - BATCH
4/10/01
BURBANK, CA 91504
Contact Telephone 8188411126
Contact Fax : Not reported
Contact Email : Not reported
Region Code : 3

HAZNET:

Gepaid: CAL000195509
TSD EPA ID: CAD981375983
Gen County: Los Angeles
Tsd County: 1
Tons: .1251
Waste Category: Solids or sludges with halogenated organic compounds > 1000mg/kg
Disposal Method: Recycler
Contact: ROY YOON
Telephone: (818) 841-1126
Mailing Address: 928 N SAN FERNANDO STE G
BURBANK, CA 91504

County Los Angeles

Gepaid: CAL000195509
TSD EPA ID: Not reported
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 0.01
Waste Category: Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.)
Disposal Method: Transfer Station
Contact: ROY YOON
Telephone: (818) 841-1126
Mailing Address: 928 N SAN FERNANDO STE G
BURBANK, CA 91504

County Not reported

Gepaid: CAL000195509
TSD EPA ID: Not reported
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 0
Waste Category: Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.)
Disposal Method: Not reported
Contact: ROY YOON
Telephone: (818) 841-1126
Mailing Address: 928 N SAN FERNANDO STE G
BURBANK, CA 91504

County Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site



Database(s) EDR ID Number
EPA ID Number

BURBANK CLEANERS (Continued)

S103953578

Gepaid: CAL000195509
TSD EPA ID: AZD009015389
Gen County: Los Angeles
Tsd County: 99
Tons: .0000
Waste Category: Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.)
Disposal Method: Recycler
Contact: ROY YOON
Telephone: (818) 841-1126
Mailing Address: 928 N SAN FERNANDO STE G
BURBANK, CA 91504
County Los Angeles

Gepaid: CAL000195509
TSD EPA ID: AZD009015389
Gen County: Los Angeles
Tsd County: 99
Tons: .2750
Waste Category: Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.)
Disposal Method: Disposal, Land Fill
Contact: ROY YOON
Telephone: (818) 841-1126
Mailing Address: 928 N SAN FERNANDO STE G
BURBANK, CA 91504
County Los Angeles

**N45
NNW
1/4-1/2
1518 ft.**

**CROWN 1HR CLEANERS
928 N SAN FERNANDO RD
BURBANK, CA 91504**

**RCRIS-SQG 1000583302
FINDS CAD982439101
CLEANERS**

**Relative:
Higher**

Site 3 of 4 in cluster N

**Actual:
617 ft.**

RCRIS:
Owner: JOH BOHUN
(415) 555-1212
EPA ID: CAD982439101
Contact: ENVIRONMENTAL MANAGER
(818) 953-7255

Classification: Small Quantity Generator
TSDF Activities: Not reported
Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system

CA Cleaners:

Inactive Date: 1/1/1995
EPA id: CAD982439101
Facility Address 2 Not reported
NAICS Code : Not reported
Facility Active : No
Mail Name : Not reported
Mailing Address: 928 N SAN FERNANDO RD
BURBANK, CA 91504
Owner Name : JOH BOHUN
Mailing Address: NOT REQUIRED

Map ID
Direction
Distance
Distance (ft.)
Elevation

Site

Database(s)

EDR ID Number
EPA ID Number

CROWN 1HR CLEANERS (Continued)

1000593302

NOT REQUIRED, ME 99999
Owner Telephone 4155551212
Contact Name : SURVEY LETTER UNDELIV 11-22-94
Mailing Address: NOT REQUIRED
NOT REQUIRED, ME 99999
Contact Telephone 4155551212
Contact Fax : Not reported
Contact Email : Not reported
Region Code : 3

M46
West
1/4-1/2
1520 ft.

PMI PROP MASTER INC
912 ISABEL ST.
BURBANK, CA 91506

CA SLIC **S106484793**
N/A

Relative:
Higher

Site 4 of 5 in cluster M

Actual:
586 ft.

CA STATE SLIC :
Global Id : SL603798998
Region : STATE
Assigned Name : SLIC SITE
Lead Agency Contact : MOHAMMAD ZAIDI
Lead Agency : LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number : 109.6533
Responsible Party : BRETT WARNER
Recent Dtw : Not reported
Substance Released : VOC

M47
West
1/4-1/2
1520 ft.

AERO INDUSTRIAL CO INC
912 ISABEL ST
BURBANK, CA 91506

RCRIS-SQG **1000325579**
FINDS **CAD009530916**

Relative:
Higher

Site 5 of 5 in cluster M

Actual:
586 ft.

RCRIS:
Owner: AERO INDUSTRIAL CO INC
(213) 849-3044
EPA ID: CAD009530916
Contact: ENVIRONMENTAL MANAGER
(213) 849-3044
Classification: Small Quantity Generator
TSDF Activities: Not reported
Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system

Map ID
Direction
Distance
Distance (ft.)
Elevation



Site

Database(s)

EDR ID Number
EPA ID Number

K48
WNW
1/4-1/2
1532 ft.

CARRIER CORPORATION
1020 N LAKE
BURBANK, CA 91506

RCRIS-SQG
FINDS
HAZNET
1000361773
CAD982483794

Site 2 of 7 in cluster K

Relative:
Higher

RCRIS:

Owner: CARRIER CORP
(415) 555-1212

EPA ID: CAD982483794

Contact: ENVIRONMENTAL MANAGER
(818) 483-3533

Classification: Small Quantity Generator

TSD Activities: Not reported

Violation Status: No violations found

Actual:
585 ft.

FINDS:

Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system

HAZNET:

Gepaid: CAD982483794

TSD EPA ID: CAD008302903

Gen County: Los Angeles

Tsd County: Los Angeles

Tons: 1.0425

Waste Category: Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.)

Disposal Method: Recycler

Contact: Not reported

Telephone: (000) 000-0000

Mailing Address: 17900 E AJAX CIRCLE
CITY OF INDUSTRY, CA 91748

County: Los Angeles

Gepaid: CAD982483794

TSD EPA ID: CAD008302903

Gen County: Los Angeles

Tsd County: Los Angeles

Tons: 10.0330

Waste Category: Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.)

Disposal Method: Not reported

Contact: Not reported

Telephone: (000) 000-0000

Mailing Address: 17900 E AJAX CIRCLE
CITY OF INDUSTRY, CA 91748

County: Los Angeles

Gepaid: CAL000036447

TSD EPA ID: CAL000161743

Gen County: Los Angeles

Tsd County: Santa Clara

Tons: .2500

Waste Category: Unspecified oil-containing waste

Disposal Method: Transfer Station

Contact: CARRIER CORPORATION

Telephone: (000) 000-0000

Mailing Address: 17900 E AJAX CIR
INDUSTRY, CA 91748 - 1133

County: Los Angeles

Map ID
Direction
Distance
Distance (ft.)
Elevation Site



Database(s) EDR ID Number
EPA ID Number

CARRIER CORPORATION (Continued)

1000361773

Gepaid: CAD982483794
TSD EPA ID: CAD008302903
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 5.2123
Waste Category: Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.)
Disposal Method: Recycler
Contact: Not reported
Telephone: (000) 000-0000
Mailing Address: 17900 E AJAX CIRCLE
CITY OF INDUSTRY, CA 91748
County Los Angeles
Gepaid: CAD982483794
TSD EPA ID: CAD008302903
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .8340
Waste Category: Waste oil and mixed oil
Disposal Method: Recycler
Contact: Not reported
Telephone: (000) 000-0000
Mailing Address: 17900 E AJAX CIRCLE
CITY OF INDUSTRY, CA 91748
County Los Angeles

[Click this hyperlink while viewing on your computer to access](#)
3 additional CA HAZNET record(s) in the EDR Site Report.

049 MICHAEL ALGAZY
South 428 MOSS ST
1/4-1/2 BURBANK, CA 91502
1541 ft.

RCRIS-SQG 1000239088
FINDS CAD981461536

Relative: Site 1 of 5 in cluster 0
Lower

Actual: RCRIS:
569 ft. Owner: MICHAEL ALGAZY
(415) 555-1212
EPA ID: CAD981461536
Contact: ENVIRONMENTAL MANAGER
(213) 622-8069
Classification: Small Quantity Generator
TSDF Activities: Not reported
Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation



J50
 South
 1/4-1/2
 1542 ft.

BURBANK PUBLIC SERVICE DE
 164 MAGNOLIA
 BURBANK, CA 91503

Database(s)

EDR ID Number
 EPA ID Number

Cortese
 LUST
 S104160091
 N/A

Site 4 of 11 in cluster J

Relative:
 Lower

Actual:
 567 ft.

State LUST:

Cross Street: LAKE ST
 Qty Leaked: Not reported
 Case Number: 915020070
 Reg Board: 4
 Chemical: Diesel
 Lead Agency: Local Agency
 Local Agency: 19007
 Case Type: Soil only
 Status: Pollution Characterization
 Abate Method: Other Means
 Review Date: Not reported
 Workplan: Not reported
 Pollution Char: Not reported
 Remed Action: Not reported
 Monitoring: Not reported
 Close Date: Not reported
 Release Date: Not reported
 Cleanup Fund Id: Not reported
 Discover Date: Not reported
 Enforcement Dt: Not reported
 Enf Type: Not reported
 Enter Date: Not reported
 Funding: Not reported
 Staff Initials: DB
 How Discovered: Tank Closure
 How Stopped: Not reported
 Interim: Not reported
 Leak Cause: Corrosion
 Leak Source: Tank
 MTBE Date: Not reported
 Max MTBE GW: Not reported
 MTBE Tested: MTBE Detected. Site tested for MTBE & MTBE detected
 Priority: Not reported
 Local Case #: 0
 Beneficial: Not reported
 Staff: UNK
 GW Qualifier: Not reported
 Max MTBE Soil: ND Parts per Million
 Soil Qualifier: Not reported
 Hydr Basin #: SAN FERNANDO VALLEY
 Operator: FRANK MILLER
 Oversight Prgm: LUST
 Review Date: 1998-04-21 00:00:00
 Stop Date: Not reported
 Work Suspended: Not reported
 Responsible Party: FIRESTONE ENERGY COMPANY
 RP Address: 200 PINE AVE., SUITE #514, LONG BEACH, CA 90802
 Global Id: T0603702501
 Org Name: Not reported
 Contact Person: Not reported
 MTBE Conc: 1
 Mtbe Fuel: 0

Confirm Leak: Not reported
 Prelim Assess: Not reported
 Remed Plan: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site



Database(s)
EDR ID Number
EPA ID Number

BURBANK PUBLIC SERVICE DE (Continued)

S104160091

Water System Name: Not reported
Well Name: Not reported
Distance To LUST: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported

LUST Region 4:

Report Date: 10/13/1988
Lead Agency: Local Agency
Local Agency: 19007
Substance: Diesel
Case Type: Soil
Status: Pollution Characterization
Region: 4
Staff: UNK

Date Case Last Changed on Database:

4/21/98

Date Leak Record Entered:

Not reported

Historical Max MTBE Date:

Not reported

GW Qualifier:

Not reported

Soil Qualifier:

Not reported

Hist Max MTBE Conc in Groundwater:

Not reported

Hist Max MTBE Conc in Soil :

Not reported

County:

Los Angeles

Organization :

Not reported

Regional Board:

4

Owner Contact: Not reported

Responsible Party:

FIRESTONE ENERGY COMPANY

RP Address:

200 PINE AVE., SUITE #514, LONG BEACH, CA 90802

Significant Interim Remedial Action Taken:

Not reported

Program :

LUST

Lat / Long :

34 / -118

Local Agency Staff:

DB

Summary :

OTHER TANK WAS A DIESEL OIL WASTE OIL TANK 1000
GALLONS, CLEANUP FINISHED 10/13/88 (WASTE OIL
ONLY) TREATMENT FOR CLEANUP = ED

Hydrologic Basin # :

SAN FERNANDO VALLEY

Beneficial Use :

Not reported

Priority :

Not reported

Cleanup Fund Id :

Not reported

Suspended :

Not reported

Local Case No :

Not reported

Substance Quantity :

0

Abatement Method Used at the Site:

OT

Operator :

FRANK MILLER

Water System :

Not reported

Well Name :

Not reported

Approx. Dist To Production Well (ft) :

742.0249827

Assigned Name :

Not reported

Source of Cleanup Funding:

Not reported

Date the Leak was Discovered:

09/01/1988

How the Leak was Discovered:

Tank Closure

How the Leak was Stopped:

Not reported

Cause of Leak:

Corrosion

Leak Source:

Tank

Date The Leak was Stopped:

2/9/98

Date Confirmation Leak Began:

Not reported

Preliminary Site Assessment Workplan Submitted:

Not reported

Preliminary Site Assessment Began:

Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation



Database(s)
EDR ID Number
EPA ID Number

BURBANK PUBLIC SERVICE DE (Continued)

S104160091

Pollution Characterization Began: 12/14/88
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Date the Case was Closed: Not reported
Enforcement Action Date: Not reported
Date Leak First Reported: 10/13/1988
Enforcement Type: Not reported
Global ID: T0603702501
Cross Street: LAKE ST

CORTESE:

Region: CORTESE
Fac Address 2: Not reported

J51
South
1/4-1/2
1542 ft.

BURBANK PUBLIC SERVICE DEPT
164 W MAGNOLIA BLVD
BURBANK, CA 91503

HIST UST U001568363
N/A

Site 5 of 11 in cluster J

Relative:
Lower

UST HIST:

Actual:
867 ft.

Facility ID: 29228
Total Tanks: 13
Owner Address: 164 WEST MAGNOLIA BLVD
BURBANK, CA 91503
Tank Used for: PRODUCT
Tank Num: 1
Tank Capacity: 00040000
Type of Fuel: 06
Leak Detection: None
Contact Name: Not reported
Facility Type: Other

Owner Name: CITY OF BURBANK
Region: STATE

Container Num: D-3
Year Installed: 1971
Tank Construction: 1/2 inches

Telephone: (818) 953-8640
Other Type: ELECTRIC UTILITY

Facility ID: 29228
Total Tanks: 13
Owner Address: 164 WEST MAGNOLIA BLVD
BURBANK, CA 91503

Owner Name: CITY OF BURBANK
Region: STATE

Tank Used for: PRODUCT
Tank Num: 2
Tank Capacity: 00020000
Type of Fuel: 06
Leak Detection: None
Contact Name: Not reported
Facility Type: Other

Container Num: D-1
Year Installed: 1968
Tank Construction: 5/16 inches

Telephone: (818) 953-8640
Other Type: ELECTRIC UTILITY

Facility ID: 29228
Total Tanks: 13
Owner Address: 164 WEST MAGNOLIA BLVD
BURBANK, CA 91503

Owner Name: CITY OF BURBANK
Region: STATE

Tank Used for: PRODUCT
Tank Num: 3
Tank Capacity: 00020000
Type of Fuel: 06
Leak Detection: None
Contact Name: Not reported
Facility Type: Other

Container Num: D-2
Year Installed: 1968
Tank Construction: 5/16 inches

Telephone: (818) 953-8640
Other Type: ELECTRIC UTILITY

Facility ID: 29228

Owner Name: CITY OF BURBANK

Map ID
Direction
Distance
Distance (ft.)
Elevation Site



Database(s)
EDR ID Number
EPA ID Number

BURBANK PUBLIC SERVICE DEPT (Continued)

U001568363

Total Tanks: 13
Owner Address: 164 WEST MAGNOLIA BLVD
BURBANK, CA 91503
Tank Used for: PRODUCT
Tank Num: 4
Tank Capacity: 00040000
Type of Fuel: 06
Leak Detection: None
Contact Name: Not reported
Facility Type: Other

Region: STATE

Container Num: D-4
Year Installed: 1971
Tank Construction: 1/2 inches

Telephone: (818) 953-9640
Other Type: ELECTRIC UTILITY

Facility ID: 29228
Total Tanks: 13
Owner Address: 164 WEST MAGNOLIA BLVD
BURBANK, CA 91503
Tank Used for: PRODUCT
Tank Num: 5
Tank Capacity: 00040000
Type of Fuel: 06
Leak Detection: None
Contact Name: Not reported
Facility Type: Other

Owner Name: CITY OF BURBANK
Region: STATE

Container Num: D-5
Year Installed: 1971
Tank Construction: 1/2 inches

Telephone: (818) 953-9640
Other Type: ELECTRIC UTILITY

Facility ID: 29228
Total Tanks: 13
Owner Address: 164 WEST MAGNOLIA BLVD
BURBANK, CA 91503
Tank Used for: PRODUCT
Tank Num: 6
Tank Capacity: 00040000
Type of Fuel: Not reported
Leak Detection: None
Contact Name: Not reported
Facility Type: Other

Owner Name: CITY OF BURBANK
Region: STATE

Container Num: F-1
Year Installed: 1942
Tank Construction: 12 inches

Telephone: (818) 953-9640
Other Type: ELECTRIC UTILITY

Facility ID: 29228
Total Tanks: 13
Owner Address: 164 WEST MAGNOLIA BLVD
BURBANK, CA 91503
Tank Used for: PRODUCT
Tank Num: 7
Tank Capacity: 00053000
Type of Fuel: Not reported
Leak Detection: None
Contact Name: Not reported
Facility Type: Other

Owner Name: CITY OF BURBANK
Region: STATE

Container Num: F-2
Year Installed: 1963
Tank Construction: 8 inches

Telephone: (818) 953-9640
Other Type: ELECTRIC UTILITY

Facility ID: 29228
Total Tanks: 13
Owner Address: 164 WEST MAGNOLIA BLVD
BURBANK, CA 91503
Tank Used for: PRODUCT
Tank Num: 8
Tank Capacity: 00004200
Type of Fuel: Not reported
Leak Detection: None
Contact Name: Not reported

Owner Name: CITY OF BURBANK
Region: STATE

Container Num: F-3
Year Installed: Not reported
Tank Construction: Not Reported

Telephone: (818) 953-9640

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP ENTRIES

Database(s)
EDR ID Number
EPA ID Number

BURBANK PUBLIC SERVICE DEPT (Continued)

U001568363

Facility Type:	Other	Other Type:	ELECTRIC UTILITY
Facility ID:	29228	Owner Name:	CITY OF BURBANK
Total Tanks:	13	Region:	STATE
Owner Address:	164 WEST MAGNOLIA BLVD BURBANK, CA 91503		
Tank Used for:	PRODUCT	Container Num:	F-4
Tank Num:	9	Year Installed:	Not reported
Tank Capacity:	00004200	Tank Construction:	Not Reported
Type of Fuel:	Not reported	Telephone:	(818) 953-9640
Leak Detection:	None	Other Type:	ELECTRIC UTILITY
Contact Name:	Not reported		
Facility Type:	Other	Owner Name:	CITY OF BURBANK
		Region:	STATE
Facility ID:	29228		
Total Tanks:	13	Container Num:	S-1
Owner Address:	164 WEST MAGNOLIA BLVD BURBANK, CA 91503	Year Installed:	1983
Tank Used for:	PRODUCT	Tank Construction:	Not Reported
Tank Num:	10	Telephone:	(818) 953-9640
Tank Capacity:	00002000	Other Type:	ELECTRIC UTILITY
Type of Fuel:	Not reported		
Leak Detection:	None	Owner Name:	CITY OF BURBANK
Contact Name:	Not reported	Region:	STATE
Facility Type:	Other		
Facility ID:	29228	Container Num:	G-1
Total Tanks:	13	Year Installed:	Not reported
Owner Address:	164 WEST MAGNOLIA BLVD BURBANK, CA 91503	Tank Construction:	Not Reported
Tank Used for:	PRODUCT	Telephone:	(818) 953-9640
Tank Num:	11	Other Type:	ELECTRIC UTILITY
Tank Capacity:	00010000		
Type of Fuel:	PREMIUM	Owner Name:	CITY OF BURBANK
Leak Detection:	None	Region:	STATE
Contact Name:	Not reported		
Facility Type:	Other	Container Num:	G-2
		Year Installed:	Not reported
Facility ID:	29228	Tank Construction:	Not Reported
Total Tanks:	13	Telephone:	(818) 953-9640
Owner Address:	164 WEST MAGNOLIA BLVD BURBANK, CA 91503	Other Type:	ELECTRIC UTILITY
Tank Used for:	PRODUCT		
Tank Num:	12	Owner Name:	CITY OF BURBANK
Tank Capacity:	00005000	Region:	STATE
Type of Fuel:	DIESEL		
Leak Detection:	None	Container Num:	G-3
Contact Name:	Not reported	Year Installed:	1983
Facility Type:	Other		
Facility ID:	29228		
Total Tanks:	13		
Owner Address:	164 WEST MAGNOLIA BLVD BURBANK, CA 91503		
Tank Used for:	PRODUCT		
Tank Num:	13		
Tank Capacity:	00010000		

Map ID
Direction
Distance
Distance (ft.)
Elevation Site



EDR ID Number
Database(s) EPA ID Number

BURBANK PUBLIC SERVICE DEPT (Continued)

U001568363

Type of Fuel:	UNLEADED	Tank Construction:	Not Reported
Leak Detection:	None		
Contact Name:	Not reported	Telephone:	(818) 953-9640
Facility Type:	Other	Other Type:	ELECTRIC UTILITY

J52
South
1/4-1/2
1542 ft.

BURBANK PUBLIC SERVICE DEPT
164 W MAGNOLIA BLVD
BURBANK, CA 91503

CA FID UST
EMI
CA WDS
CA SLIC

S101618665
N/A

Relative:
Lower

Site 6 of 11 in cluster J

Actual:
567 ft.

FID:

Facility ID:	19001855	Regulate ID:	00029228
Reg By:	Active Underground Storage Tank Location		
Corresp Code:	Not reported	SIC Code:	Not reported
Status:	Active	Facility Tel:	(818) 953-9640
Mail To:	Not reported		
	164 W MAGNOLIA BLVD BURBANK, CA 91503		
Contact:	Not reported	Contact Tel:	Not reported
DUNS No:	Not reported	NPDES No:	Not reported
Creation:	10/22/93	Modified:	00/00/00
EPA ID:	Not reported		
Comments:	Not reported		

CA STATE SLIC :

Global Id :	SL0002044J00
Region :	STATE
Assigned Name :	SLIC SITE
Lead Agency Contact :	Not reported
Lead Agency :	Not reported
Lead Agency Case Number :	Not reported
Responsible Party :	Not reported
Recent Dtw :	Not reported
Substance Released :	Not reported

WDS:

Facility ID:	Los Angeles River 196000043	Facility Telephone:	(818) 238-3500
Facility Contact:	Albert Lopez	SIC Code 2:	Not reported
SIC Code:	4911		
Agency Name:	BURBANK, CITY OF PUBLIC SERVICE		
Agency Address:	0		
Agency Contact:	Not reported	Agency Phone:	Not reported
Design Flow:	0 Million Gal/Day	Baseline Flow:	0 Million Gal/Day
Facility Type:	Other - Does not fall into the category of Municipal/Domestic, Industrial, Agricultural or Solid Waste (Class I, II or III)		
Facility Status:	Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.		
Agency Type:	City		
Waste Type:	Miscellaneous (Includes wastes from dewatering, recreational lake overflow, swimming pool wastes, water ride wastewater, ground water seepage and other wastes of this type) - Designated/Influent or Solid Wastes that pose a significant threat to water quality because of their high concentrations (E.G., BOD, Hardness, TRF, Chloride). 'Manageable' hazardous wastes (E.G., inorganic salts and heavy metals) are included in this category.		
Threat to Water:	Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.		
Complexity:	Category C - Facilities having no waste treatment systems, such as cooling water		

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site



Database(s) EDR ID Number
 EPA ID Number

BURBANK PUBLIC SERVICE DEPT (Continued)

S101618665

dischargers or those who must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

Reclamation: No reclamation requirements associated with this facility.

POTW: The facility is not a POTW.

NPDES Number: CAG994001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board

Subregion: 4

EMISSIONS :

Facility ID : 25638
 Air District Code : SC
 SIC Code : 4931
 Total Priority Score : Not reported
 Health Risk Assessment : 0.33
 Non-cancer Chronic Haz Index : Not reported
 Non-cancer Acute Haz Index : 0.33
 Air Basin : SC
 Air District Name : SOUTH COAST AQMD
 Community Health Air Pollution Info System : Y
 Consolidated Emission Reporting Rule : B
 County Code : 19
 County ID : 19

J53 **MAGNOLIA POWER PLANT**
 South **164 WEST MAGNOLIA BLVD.**
 1/4-1/2 **BURBANK, CA 91503**
 1542 ft.

VCP S105756682
N/A

Site 7 of 11 in cluster J

Relative:
 Lower

Actual:
 567 ft.

VCP:

Facility ID 19490250
 Dtsr Region Code : 3
 Region Code Definition : GLENDALE
 County Code : 19
 Site Name Under : Not reported
 Current Status Date : 06052003
 Current Status Code : NFA
 Current Status : NO FURTHER ACTION FOR DTSC
 Lead Agency Code : DTSC
 Lead Agency : DEPT OF TOXIC SUBSTANCES CONTROL
 Site Type Code : VCP
 Site Type : VOLUNTARY CLEANUP PROGRAM
 National Priorities List : Not reported
 Tier : Not reported
 Source Of Funding Code : Not reported
 Staff Member : MISKAROU
 Supervisor : Not reported
 Sic Code : 49
 Sic Code Definition : ELECTRIC, GAS & SANITARY SERVICES
 Site Mitigatn & Brnfrds Reuse Prog (SMBR) Code : SA
 SMBR Branch : SO CAL - GLENDALE
 Regional Water Quality Control Board : LA
 RWQCB Definition : LOS ANGELES
 Site Access Controlled : Not reported
 Listed In Haz Wst & Substnecs Sites List (CORTESE) : Not reported
 Date Hazard Flagged : Not reported
 GW Contamination Suspected : Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation

Site

MAP 5111133

Database(s)
EDR ID Number
EPA ID Number

MAGNOLIA POWER PLANT (Continued)

S105756682

Of Sources Contributing To Contamination : 0
Lat/Long : 0° 0' 0" / 0° 0' 0"
Direction Lat : Not reported
Direction Long : Not reported
Lat/Long Method : Not reported
Entity Lat/Long Coordinates Refer To : Not reported
State Assembly Distt Code : 04
State Senate Distt Code : 01

Identifying Code: Not reported
ID Value: Not reported
Other ID Desc: Not reported
Alternate Name(s): **MAGNOLIA POWER PLANT**
Address(es): **164 WEST MAGNOLIA BLVD.
BURBANK, CA 91503**

Background Info : The Magnolia Power Plant site consists of only a portion of the City of Burbank Public Services Department (PSD) facility. The majority of PSD facility is occupied by electrical generating and utility service equipment. The Site is the proposed location for 328 MW natural gas combined-cycle generating facility, and will be constructed on about 3 acres of existing 23 acre facility. The subject site includes Magnolia Units #1 and #2, associated cooling towers, transpower storage area, a large 78,000-barrel above ground storage tank. Magnolia Units #1, #2 were constructed in 1941 and then shut down in 1980s. A phase I and phase II Site Assessment indicate that constituents of concern include Total Petroleum Hydrocarbon (TPH) up to 2,570 mg/kg and Volatile Organic Compounds including 1,1,2,2 - Tetrachloreth and 5.81 ppb and 1,2,3 - Trichloropropane (6.9 ppb) and Arsenic.

Facility Id : 19490250
AWP Activities Code : 1
DTSC Site Activity Code : ORDER
Activity Code Def: VSE, IORSE, FFA, FFSRA, VCA, EA
AWP Activity Id : VCA
Dt Activity Due For Completion : Not reported
Revised Due Date : Not reported
Date Activity Completed : 01062003
Est # Of Person-years To Complete : 0
Est. Size Of An Activity Code : Not reported
Site Status When Activity Commitment Made : NFA
Status Code Definition : NO FURTHER ACTION FOR DTSC
Cubic Yards Of Solids Removed At Completion : 0
Gallons Of Liquid Removed Upon Completion : 0
Cubic Yards Of Solids Treated Upon Completion : 0
Actvty Deleted Via Commitmnt/Completns Screen : Not reported
Facility Id : 19490250
AWP Activities Code : 2
DTSC Site Activity Code : PEA
Activity Code Def: PRELIMINARY ENDANGERMENT ASSESSMENT
AWP Activity Id : VCA
Dt Activity Due For Completion : Not reported
Revised Due Date : Not reported
Date Activity Completed : 06052003
Est # Of Person-years To Complete : 0
Est. Size Of An Activity Code : Not reported
Site Status When Activity Commitment Made : NFA
Status Code Definition : NO FURTHER ACTION FOR DTSC

REFERENCES

EDR ID Number

EPA ID Number

\$105756682

Cubic Yards Of Solids Removed At Completion : 0

Gallons Of Liquid Removed Upon Completion :	0
---	---

Cubic Yards Of Solids Treated Upon Completion : 0

Activity Deleted Via Commitment/Completeness Screen : Not reported

Special Program Code: Not reported

Special Program : Not reported

Comments Date : 01062003

Comments : DTSC entered into a VCA with Southern California Public Power Authorities (Docket No. HSA-A 02/03-086) to conduct a Site Characterization and Removal Action Workplan for Magnolia Power Plant Site at 164 West Magnolia Blvd., Burbank. DTSC completed review of the PEA and concurred with the PEA conclusion and recommendation and terminated that NO FURTHER ACTION is required at the Site.

UST U003776360
N/A

**Relative;
Lower**

State UST:

Facility ID: 009677

Actual:	Region:	STATE
567 ft	Local Agency:	19007

Region: STATE

Local Agency: 19007

PADS 1000440532
RCRIS-LQG CAD980360796
FINDS
LES CO. HMS
CA WDS

Relative:
Lower

ACRIS:

Owner: NOT REQUIRED
(415) 555-1212

EPA ID: CAD980360796

Contact:	Not reported
----------	--------------

Classification: Large Quantity Generator

TSDF Activities: Not reported

Violation Status: No violations found

Other Pertinent Environmental Activity Identified at Site:

- Aerometric Information Retrieval System/AIRS Facility Subsystem
- Clean Air Markets Division Business System
- Integrated Compliance Information
- National Emissions Inventory
- National Emissions Trends
- National Toxics Inventory
- Resource Conservation and Recovery Act Information system

Facility ID: 4 191000949
Facility Contact: James Malek
SIC Code: 4911
Agency Name: BURBANK, CITY OF
Agency Address: Burbank 0

Facility Telephone (818) 238-3561
SIC Code 2: 3612

Map ID
Direction
Distance
Distance (ft.)
Elevation



Database(s)
EDR ID Number
EPA ID Number

CITY OF BURBANK PUBLIC SERVICE (Continued)

1000440532

Agency Contact: Not reported
Design Flow: 0 Million Gal/Day
Facility Type: Other - Does not fall into the category of Municipal/Domestic, Industrial, Agricultural or Solid Waste (Class I, II or III)
Facility Status: Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
Agency Type: City
Waste Type: Stormwater Runoff - Designated/Influent or Solid Wastes that pose a significant threat to water quality because of their high concentrations (E.G., BOD, Hardness, TRF, Chloride). 'Manageable' hazardous wastes (E.G., inorganic salts and heavy metals) are included in this category.
Threat to Water: Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not. All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
Complexity: Category C - Facilities having no waste treatment systems, such as cooling water dischargers or those who must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.
Reclamation: No reclamation requirements associated with this facility.
POTW: The facility is not a POTW.
NPDES Number: CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion: 4
HMS:
Facility Id: 009836-009677
Area: 3E
Facility Type: T0
Permit Number: 00000920T
Facility Status: Removed
Region: Los Angeles County: Permit Status: Removed

J56
South
1/4-1/2
1550 ft.
BURBANK STEAM PLANT
164 W. MAGNOLIA BLVD.
BURBANK, CA 91502

CA SLIC S106484791
N/A

Relative:
Lower
Site 10 of 11 in cluster J
CA STATE SLIC :

Actual:
567 ft.

Global Id : SL603796996
Region : STATE
Assigned Name : SLIC SITE
Lead Agency Contact : MOHAMMAD ZAIDI
Lead Agency : LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number : 109.6261
Responsible Party : MR. FRANK AQ. MILLER
Recent Dtw : Not reported
Substance Released : VOC

Map ID
Direction
Distance
Distance (ft.)
Elevation



L57
SW
1/4-1/2
1571 ft

ARRIFLEX CORP
600 N VICTORY BLVD
BURBANK, CA 91502

RCRIS-SQG
FINDS
HAZNET

EDR ID Number
EPA ID Number

1000252147
CAD099455701

Relative:
Lower

Actual:
575 ft.

Site 3 of 3 in cluster L

RCRIS:

Owner: NOT REQUIRED
(415) 555-1212
EPA ID: CAD099455701
Contact: Not reported
Classification: Small Quantity Generator
TSDF Activities: Not reported
Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system

HAZNET:

Gepaid: CAD099455701
TSD EPA ID: CAT060022148
Gen County: Los Angeles
Tsd County: San Bernardino
Tons: .2293
Waste Category: Paint sludge
Disposal Method: Transfer Station
Contact: ARRIFLEX CORP
Telephone: (818) 841-7070
Mailing Address: 600 N VICTORY BLVD
BURBANK, CA 91502 - 1639
County: Los Angeles

Gepaid: CAD099455701
TSD EPA ID: CAD000088252
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 0.1251
Waste Category: Unspecified solvent mixture Waste
Disposal Method: Transfer Station
Contact: ARRIFLEX CORP
Telephone: (818) 841-7070
Mailing Address: 600 N VICTORY BLVD
BURBANK, CA 91502 - 1639
County: Los Angeles

Gepaid: CAD099455701
TSD EPA ID: Not reported
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 0.22
Waste Category: Unspecified solvent mixture Waste
Disposal Method: Transfer Station
Contact: BILL RUSSELL-VP WESTERN REGION
Telephone: (818) 841-7070
Mailing Address: 600 N VICTORY BLVD
BURBANK, CA 91502 - 1639
County: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site



Database(s) EDR ID Number
EPA ID Number

ARRIFLEX CORP (Continued)

1000252147

Gepaid: CAD099455701
TSD EPA ID: CAD009452657
Gen County: Los Angeles
Tsd County: San Mateo
Tons: .0160
Waste Category: Laboratory waste chemicals
Disposal Method: Recycler
Contact: ARRIFLEX CORP
Telephone: (818) 841-7070
Mailing Address: 600 N VICTORY BLVD
BURBANK, CA 91502 - 1639
County Los Angeles

J58
South
1/4-1/2
1603 ft.

ACCESS CONTROLS
177 W MAGNOLIA
BURBANK, CA 91502

RCRIS-SQG 1000222242
FINDS CAD982464034
HAZNET

Relative:
Lower

Site 11 of 11 in cluster J

Actual:
568 ft.

RCRIS:
Owner: ELI MESHULAM
(415) 555-1212
EPA ID: CAD982464034
Contact: ENVIRONMENTAL MANAGER
(818) 953-5428
Classification: Small Quantity Generator
TSD Activities: Not reported
Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system

HAZNET:

Gepaid: CAD982464034
TSD EPA ID: CAT080013352
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 3.9406
Waste Category: Aqueous solution with less than 10% total organic residues
Disposal Method: Recycler
Contact: Not reported
Telephone: (000) 000-0000
Mailing Address: 177 W MAGNOLIA
BURBANK, CA 91502
County Los Angeles

Map ID
Direction
Distance
Distance (ft.)
Elevation Site



Database(s) EDR ID Number
EPA ID Number

59 BURBANK UNIFIED SCHOOL DISTRICT
NNE 902 N THIRD ST
1/4-1/2 BURBANK, CA 91502
1619 ft.

RCRIS-SQG 1000161745
FINDS CAD089433791
HAZNET

Relative: RCRIS:
Higher Owner: NOT REQUIRED
(415) 555-1212
Actual: EPA ID: CAD089433791
642 ft. Contact: Not reported
Classification: Small Quantity Generator
TSDF Activities: Not reported
Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system

HAZNET:

Gepaid: CAL000016689
TSD EPA ID: CAD050806850
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .0005
Waste Category: Off-specification, aged, or surplus inorganics
Disposal Method: Recycler
Contact: BURBANK SCHOOL DISTRICT
Telephone: (000) 000-0000
Mailing Address: 330 N BUENA VISTA ST
BURBANK, CA 91505 - 3607
County Los Angeles
Gepaid: CAL000016689
TSD EPA ID: CAD097030993
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .2084
Waste Category: Laboratory waste chemicals
Disposal Method: Recycler
Contact: BURBANK SCHOOL DISTRICT
Telephone: (000) 000-0000
Mailing Address: 330 N BUENA VISTA ST
BURBANK, CA 91505 - 3607
County Los Angeles
Gepaid: CAL000016689
TSD EPA ID: CAD009007626
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .8428
Waste Category: Asbestos-containing waste
Disposal Method: Disposal, Land Fill
Contact: BURBANK SCHOOL DISTRICT
Telephone: (000) 000-0000
Mailing Address: 330 N BUENA VISTA ST
BURBANK, CA 91505 - 3607
County Los Angeles

Map ID
Direction
Distance
Distance (ft.)
Elevation

Site



Database(s)
EDR ID Number
EPA ID Number

BURBANK UNIFIED SCHOOL DISTRICT (Continued)

1000161745

Gepald: CAL000016689
TSD EPA ID: CAD006252405
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .0208
Waste Category: Unspecified organic liquid mixture
Disposal Method: Recycler
Contact: BURBANK SCHOOL DISTRICT
Telephone: (000) 000-0000
Mailing Address: 330 N BUENA VISTA ST
BURBANK, CA 91505 - 3607
County: Los Angeles
Gepald: CAD069433791
TSD EPA ID: CAT00613893
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .0166
Waste Category: Aqueous solution with less than 10% total organic residues
Disposal Method: Transfer Station
Contact: BURBANK USD
Telephone: (818) 558-4600
Mailing Address: 330 N BUENA VISTA ST
BURBANK, CA 91505 - 3607
County: Los Angeles

Click this hyperlink while viewing on your computer to access
3 additional CA HAZNET record(s) in the EDR Site Report.

N60
NNW
1/4-1/2
1675 ft.

ALL AMERICAN SPORTS CLUB
1000 N SAN FERNANDO BLVD
BURBANK, CA 91504

RCRIS-SQG 1000101858
FINDS CAD982318347

Relative:
Higher

Actual:
617 ft.

Site 4 of 4 in cluster N

RCRIS:
Owner: NOT REQUIRED
(415) 555-1212
EPA ID: CAD982318347
Contact: Not reported
Classification: Small Quantity Generator
TSDF Activities: Not reported
Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system

Map ID
Direction
Distance
Distance (ft.)
Elevation Site



Database(s) EDR ID Number
EPA ID Number

K61
WNW
1/4-1/2
1686 ft.

MERCIERS UNOCAL #1
900 W BURBANK BLVD
BURBANK, CA 91506

CA FID UST
HAZNET S101585409
N/A

Site 3 of 7 in cluster K

Relative:
Higher

HAZNET:

Actual:
588 ft.

Gepald: CAD981646714
TSD EPA ID: CAD028409019
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 4.5870
Waste Category: Tank bottom waste
Disposal Method: Treatment, Tank
Contact: UNION OIL COMPANY OF CALIFORNIA
Telephone: (714) 428-6560
Mailing Address: PO BOX 25376
SANTA ANA, CA 92799 - 5376
County: Los Angeles

FID:

Facility ID:	19023213	Regulate ID:	Not reported
Reg By:	Active Underground Storage Tank Location		
Cortese Code:	Not reported	SIC Code:	Not reported
Status:	Active	Facility Tel:	(818) 848-2110
Mail To:	Not reported		
	12200 SYLVAN BURBANK, CA 91506		
Contact:	Not reported	Contact Tel:	Not reported
DUNs No:	Not reported	NPDES No:	Not reported
Creation:	10/22/93	Modified:	00/00/00
EPA ID:	Not reported		
Comments:	Not reported		

K62
WNW
1/4-1/2
1686 ft.

SERVICE STATION 0881
900 W BURBANK BLVD
BURBANK, CA 91502

HIST UST U001568349
N/A

Site 4 of 7 in cluster K

Relative:
Higher

UST HIST:

Actual:
588 ft.

Facility ID: 3933
Total Tanks: 3
Owner Address: 3701 WILSHIRE BOULEVARD-SUITE
LOS ANGELES, CA 90010
Tank Used for: WASTE
Tank Num: 1
Tank Capacity: 00000550
Type of Fuel: WASTE OIL
Leak Detection: Stock Inventor, Pressure Test
Contact Name: RAY VOELKER
Facility Type: Gas Station

Owner Name: UNION OIL COMPANY OF CALIFORNIA
Region: STATE

Container Num: 08814
Year Installed: 1967
Tank Construction: Not Reported

Telephone: (818) 849-5081
Other Type: Not reported

Facility ID: 3933
Total Tanks: 3
Owner Address: 3701 WILSHIRE BOULEVARD-SUITE
LOS ANGELES, CA 90010
Tank Used for: PRODUCT
Tank Num: 2
Tank Capacity: 00009940
Type of Fuel: UNLEADED

Owner Name: UNION OIL COMPANY OF CALIFORNIA
Region: STATE

Container Num: 08811
Year Installed: 1967
Tank Construction: Not Reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site



Database(s)
EDR ID Number
EPA ID Number

SERVICE STATION 0881 (Continued)

U001568349

Leak Detection:	Stock Inventor, Pressure Test	Telephone:	(818) 849-5081
Contact Name:	RAY VOELKER	Other Type:	Not reported
Facility Type:	Gas Station		
Facility ID:	3933	Owner Name:	UNION OIL COMPANY OF CALIFORNIA
Total Tanks:	3	Region:	STATE
Owner Address:	3701 WILSHIRE BOULEVARD-SUITE LOS ANGELES, CA 90010		
Tank Used for:	PRODUCT	Container Num:	08812
Tank Num:	3	Year Installed:	1967
Tank Capacity:	00009940	Tank Construction:	Not Reported
Type of Fuel:	PREMIUM		
Leak Detection:	Stock Inventor, Pressure Test	Telephone:	(818) 849-5081
Contact Name:	RAY VOELKER	Other Type:	Not reported
Facility Type:	Gas Station		

K63
WNW
1/4-1/2
1686 ft.

UNION OIL SERVICE STATION 0881
900 W BURBANK BLVD
BURBANK, CA 91502

HIST UST U001568358
N/A

Relative:
Higher

Site 5 of 7 in cluster K

Actual: 588 ft.	UST HIST:		
	Facility ID:	55711	Owner Name:
	Total Tanks:	1	Region:
	Owner Address:	3701 WILSHIRE BOULEVARD - SUIT LOS ANGELES, CA 90010	UNION OIL COMPANY OF CALIFORNIA STATE
	Tank Used for:	WASTE	
	Tank Num:	1	Container Num:
	Tank Capacity:	00000000	1
	Type of Fuel:	WASTE OIL	Year Installed:
	Leak Detection:	None	Not reported
	Contact Name:	RAY VOELKER	Tank Construction:
	Facility Type:	Gas Station	Not Reported
		Telephone:	(818) 849-5081
		Other Type:	Not reported

P64
WSW
1/4-1/2
1716 ft.

SPENCE ELECTROPLATING COMPANY
1001 CHESTNUT ST.
BURBANK, CA 91506

CA SLIC S106484798
N/A

Relative:
Lower

Site 1 of 4 in cluster P

Actual: 583 ft.	CA STATE SLIC:	
	Global Id:	SL603799003
	Region:	STATE
	Assigned Name:	SLIC SITE
	Lead Agency Contact:	UNASSIGNED
	Lead Agency:	LOS ANGELES RWQCB (REGION 4)
	Lead Agency Case Number:	109.6716
	Responsible Party:	FRED HARRIS
	Recent Dtw:	Not reported
	Substance Released:	CR, VOC

Map ID
Direction
Distance
Distance (ft.)
Elevation Site



Database(s) EDR ID Number
EPA ID Number

P65 SPENCE ELECTRO PLATING
WSW 1001 CHESTNUT ST.
1/4-1/2 BURBANK, CA 91506
1716 ft.

Relative:
Lower

Site 2 of 4 in cluster P

RCRIS-LQG 1000308095
FINDS CAD008308520
HIST UST
HAZNET
EMI
LOS ANGELES CO. HMS
CA WDS

Actual:
583 ft.

RCRIS:

Owner: THE RICHARD J & ESTHER E. WOOLEY TRUST
(415) 555-1212
EPA ID: CAD008308520
Contact: Not reported
Classification: Large Quantity Generator
TSD Activities: Not reported

BIENNIAL REPORTS:

Last Biennial Reporting Year: 2001

Waste	Quantity (Lbs)	Waste	Quantity (Lbs)
D002	290385.00	D007	11770000.00
F006	460460.00		

Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:
National Emissions Inventory
National Emissions Trends
Resource Conservation and Recovery Act Information system
Toxics Release Inventory

HAZNET:

Gepald: CAD008308520
TSD EPA ID: CAD097030993
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .2107
Waste Category: Other Inorganic solid waste
Disposal Method: Disposal, Other
Contact: SCIENCE ELECTRO PLATING CO
Telephone: (213) 849-7725
Mailing Address: 1001 CHESTNUT ST
BURBANK, CA 91506 - 1622
County: Los Angeles
Gepald: CAD008308520
TSD EPA ID: CAD097030993
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 10.4250
Waste Category: Liquids with pH <UN> 2 with metals
Disposal Method: Recycler
Contact: SCIENCE ELECTRO PLATING CO
Telephone: (213) 849-7725
Mailing Address: 1001 CHESTNUT ST
BURBANK, CA 91506 - 1622
County: Los Angeles

Map ID
Direction
Distance
Distance (ft.)
Elevation Site



Database(s) EDR ID Number
EPA ID Number

SPENCE ELECTRO PLATING (Continued)

1000308095

Gepaid: CAD008308520
TSD EPA ID: CAD097030993
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 2.0850
Waste Category: Liquids with nickel > 134 mg/l
Disposal Method: Recycler
Contact: SCIENCE ELECTRO PLATING CO
Telephone: (213) 849-7725
Mailing Address: 1001 CHESTNUT ST
BURBANK, CA 91506 - 1622
County: Los Angeles

Gepaid: CAD008308520
TSD EPA ID: CAD097030993
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 28.7730
Waste Category: Liquids with pH <UN> 2
Disposal Method: Recycler
Contact: SCIENCE ELECTRO PLATING CO
Telephone: (213) 849-7725
Mailing Address: 1001 CHESTNUT ST
BURBANK, CA 91506 - 1622
County: Los Angeles

Gepaid: CAD008308520
TSD EPA ID: CAT000646117
Gen County: Los Angeles
Tsd County: Kings
Tons: 24.1860
Waste Category: Liquids with chromium (VI) > 500 mg/l
Disposal Method: Treatment, Tank
Contact: SCIENCE ELECTRO PLATING CO
Telephone: (213) 849-7725
Mailing Address: 1001 CHESTNUT ST
BURBANK, CA 91506 - 1622
County: Los Angeles

Click this hyperlink while viewing on your computer to access
43 additional CA HAZNET record(s) in the EDR Site Report.

WDS:

Facility ID: 4 191000762
Facility Contact: Fred Harris
SIC Code: 3471
Agency Name: SPENCE ELECTROPLATING COMPANY
Agency Address: 0
Agency Contact: Not reported
Design Flow: 0 Million Gal/Day
Facility Type: Other - Does not fall into the category of Municipal/Domestic, Industrial, Agricultural or Solid Waste (Class I, II or III)
Facility Status: Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
Agency Type: Private
Waste Type: Stormwater Runoff - Designated/Influent or Solid Wastes that pose a significant threat to water quality because of their high concentrations (E.G., BOD, Hardness, TRF, Chloride). 'Manageable' hazardous wastes (E.G., inorganic salts and heavy metals) are included in

Facility Telephone: (818) 531-1931
SIC Code 2: Not reported

Agency Phone: Not reported
Baseline Flow: 0 Million Gal/Day

Map ID
Direction
Distance
Distance (ft.)
Elevation

Site

Database(s)

EDR ID Number
EPA ID Number

SPENCE ELECTRO PLATING (Continued)

1000308095

this category.
Threat to Water: Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
Complexity: Category C - Facilities having no waste treatment systems, such as cooling water dischargers or those who must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.
Reclamation: No reclamation requirements associated with this facility.
POTW: The facility is not a POTW.
NPDES Number: CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion: 4

HMS:

Facility Id: 023388-032666
Area: 3E
Facility Type: Not reported
Permit Number: Not reported
Facility Status: OPEN
Region: Los Angeles County:

Permit Status: Not reported

UST HIST:

Facility ID: 46933
Total Tanks: 1
Owner Address: 1001 CHESTNUT ST.
BURBANK, CA 91506
Tank Used for: WASTE
Tank Num: 1
Tank Capacity: 00000000
Type of Fuel: Not reported
Leak Detection: Visual
Contact Name: MR. VAN STEWART
Facility Type: Other

Owner Name: SPENCE ELECTRO PLATING COMPANY
Region: STATE

Container Num: 1
Year Installed: 1967
Tank Construction: Not Reported

Telephone: (213) 849-7725
Other Type: METAL FINISHING

EMISSIONS :

Facility ID : 23025
Air District Code : SC
SIC Code : 3471
Total Priority Score : Not reported
Health Risk Assessment : Not reported
Non-cancer Chronic Haz Index : Not reported
Non-cancer Acute Haz Index : Not reported
Air Basin : SC
Air District Name : SOUTH COAST AQMD
Community Health Air Pollution Info System : Not reported
Consolidated Emission Reporting Rule : Not reported
County Code : 19
County ID : 19

Map ID
Direction
Distance
Distance (ft.)
Elevation



P66
WSW
1/4-1/2
1716 ft.

ZERO CORPORATION
1000 CHESTNUT STREET
BURBANK, CA 91503

RCRIS-SQG
FINDS

EDR ID Number
EPA ID Number

1000324894
CAT000625491

Relative:
Lower

Site 3 of 4 in cluster P

RCRIS:

Owner: NOT REQUIRED
(415) 555-1212

Actual:
583 ft.

EPA ID: CAT000625491

Contact: Not reported

Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system

K67
WNW
1/4-1/2
1731 ft.

MASTERCRAFT METAL
1010 VICTORY PL.
BURBANK, CA 91502

CA SLIC S106484446
N/A

Relative:
Higher

Site 6 of 7 in cluster K

CA STATE SLIC:

Global Id: SL603798617
Region: STATE
Assigned Name: SLIC SITE
Lead Agency Contact: UNASSIGNED
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number: 104.071
Responsible Party: UNKNOWN
Recent Dtw: Not reported
Substance Released: VOC

K68
WNW
1/4-1/2
1733 ft.

L & M BLACK OXIDE CO INC
1019 VICTORY PL
BURBANK, CA 91502

RCRIS-SQG 1000122686
FINDS CAD008339228
HAZNET
LOS ANGELES CO. HMS

Relative:
Higher

Site 7 of 7 in cluster K

RCRIS:

Owner: NOT REQUIRED
(415) 555-1212

Actual:
589 ft.

EPA ID: CAD008339228

Contact: ENVIRONMENTAL MANAGER
(818) 845-2654

Classification: Small Quantity Generator
TSDF Activities: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site



Database(s) EDR ID Number
EPA ID Number

L & M BLACK OXIDE CO INC (Continued)

1000122686

Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system

HAZNET:

Gepaid: CAD008339228
TSD EPA ID: CAT080033681
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 1.1467
Waste Category: Liquids with pH <UN> 2
Disposal Method: Recycler
Contact: KWANG E KIM
Telephone: (909) 861-3655
Mailing Address: PO BOX 1008
BURBANK, CA 91507 - 1008
County: Los Angeles

Gepaid: CAD008339228
TSD EPA ID: CAD089446710
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 2.0641
Waste Category: Waste oil and mixed oil
Disposal Method: Transfer Station
Contact: KWANG E KIM
Telephone: (909) 861-3655
Mailing Address: PO BOX 1008
BURBANK, CA 91507 - 1008
County: Los Angeles

Gepaid: CAD008339228
TSD EPA ID: CAD089446710
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 1.2500
Waste Category: Other inorganic solid waste
Disposal Method: Not reported
Contact: KWANG E KIM
Telephone: (909) 861-3655
Mailing Address: PO BOX 1008
BURBANK, CA 91507 - 1008
County: Los Angeles

Gepaid: CAD008339228
TSD EPA ID: CAD089446710
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 1.3750
Waste Category: Other inorganic solid waste
Disposal Method: Transfer Station
Contact: KWANG E KIM
Telephone: (909) 861-3655
Mailing Address: PO BOX 1008
BURBANK, CA 91507 - 1008
County: Los Angeles

Map ID
Direction
Distance
Distance (ft.)
Elevation Site



Database(s) EDR ID Number
EPA ID Number

L & M BLACK OXIDE CO INC (Continued)

1000122686

Gepaid: CAD008339228
TSD EPA ID: CAT080033681
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .4587
Waste Category: Alkaline solution without metals (pH > 12.5)
Disposal Method: Recycler
Contact: KWANG E KIM
Telephone: (909) 861-3655
Mailing Address: PO BOX 1008
BURBANK, CA 91507 - 1008
County: Los Angeles

Click this hyperlink while viewing on your computer to access
28 additional CA HAZNET record(s) in the EDR Site Report.

HMS:

Facility Id: 023239-032428
Area: 3E
Facility Type: Not reported
Permit Number: Not reported
Facility Status: OPEN
Region: Los Angeles County:

Permit Status: Not reported

69
SSW
1/4-1/2
1742 ft.

STANDARD BRANDS PAINT - #10
530 N VICTORY BLVD
BURBANK, CA 91502

HIST UST U001568353
N/A

Relative:
Lower

UST HIST:

Facility ID: 17004
Total Tanks: 1
Owner Address: 4300 W 190TH STREET
TORRANCE, CA 90509
Tank Used for: PRODUCT
Tank Num: 1
Tank Capacity: 00000000
Type of Fuel: Not reported
Leak Detection: Stock Inventor
Contact Name: CHUCK SENDEJAS
Facility Type: Other

Owner Name: STANDARD BRANDS PAINT COMPANY
Region: STATE

Actual:
574 ft.

Container Num: SBP-010-2
Year Installed: Not reported
Tank Construction: 3/8 Inches

Telephone: (818) 846-8304
Other Type: RETAIL PAINT

Q70
WNW
1/4-1/2
1754 ft.

L & M BLACK OXIDE CO. INC.
1019 VICTORY PL.
BURBANK, CA 91502

CA SLIC S106484442
N/A

Site 1 of 6 in cluster Q

Relative:
Higher

CA STATE SLIC :

Global Id : SL603798613
Region : STATE
Assigned Name : SLIC SITE
Lead Agency Contact : UNASSIGNED
Lead Agency : LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number : 104.064
Responsible Party : UNKNOWN
Recent DIW : Not reported
Substance Released : CR, VOC

Actual:
589 ft.

Map ID
Direction
Distance
Distance (ft.)
Elevation



Site

Database(s)

EDR ID Number
EPA ID Number

071
South
1/4-1/2
1754 ft.

COMMERICAL LAMP SUPPLY
205 WEST MAGNOLIA BLVD
BURBANK, CA 91502

RCRIS-SQG
FINDS
1000594686
CAD983585522

Relative:
Lower

Site 2 of 5 in cluster O

Actual:
568 ft.

RCRIS:
Owner: NORMA COLLEY
(415) 555-1212
EPA ID: CAD983585522
Contact: JOHN BROADWAY
(818) 843-2914
Classification: Small Quantity Generator
TSDF Activities: Not reported
Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system

072
South
1/4-1/2
1754 ft.

COMMERCIAL LAMP SUPPLY
205 W MAGNOLIA BLVD
BURBANK, CA 91502

HIST UST
U001568333
N/A

Relative:
Lower

Site 3 of 5 in cluster O

Actual:
568 ft.

UST HIST:

Facility ID: 20470
Total Tanks: 1
Owner Address: 205 W. MAGNOLIA BLVD.,
BURBANK, CA 91502
Tank Used for: PRODUCT
Tank Num: 1
Tank Capacity: 00002000
Type of Fuel: UNLEADED
Leak Detection: Not reported
Contact Name: FLOYD FULLER
Facility Type: Other

Owner Name: COMMERCIAL LAMP SUPPLY CORP.
Region: STATE

Container Num: 1
Year Installed: Not reported
Tank Construction: Not Reported

Telephone: (818) 843-2914
Other Type: PRIVATE

073
South
1/4-1/2
1754 ft.

BURBANK ROOFING SUPPLY
205 W MAGNOLIA BLVD
BURBANK, CA 91502

CA FID UST
HAZNET
LOS ANGELES CO. HMS
S101618660
N/A

Relative:
Lower

Site 4 of 5 in cluster O

Actual:
568 ft.

HAZNET:

Gepaid: CAL000200706
TSD EPA ID: Not reported
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 0.62
Waste Category: Waste oil and mixed oil
Disposal Method: Recycler
Contact: GREGG MONGER/ENV MGR
Telephone: (602) 683-2339
Mailing Address: 5425 E WASHINGTON
PHOENIX, AZ 85034
County: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site



Database(s)
EDR ID Number
EPA ID Number

BURBANK ROOFING SUPPLY (Continued)

S101618660

Gepaid: CAL000200706
TSD EPA ID: CAT080013352
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .4170
Waste Category: Waste oil and mixed oil
Disposal Method: Recycler
Contact: SUNSTATE EQUIPMENT COMPANY
Telephone: (602) 683-2305
Mailing Address: 5425 E WASHINGTON
PHOENIX, AZ 85034
County: Los Angeles

FID:

Facility ID:	19034555	Regulate ID:	00020470
Reg By:	Active Underground Storage Tank Location		
Cortese Code:	Not reported	SIC Code:	Not reported
Status:	Active	Facility Tel:	(213) 849-1178
Mail To:	Not reported		
	160 S NORTON AVE		
	BURBANK, CA 91502		
Contact:	Not reported	Contact Tel:	Not reported
DUNS No:	Not reported	NPDOS No:	Not reported
Creation:	10/22/93	Modified:	00/00/00
EPA ID:	Not reported		
Comments:	Not reported		

HMS:

Facility Id:	011469-011511		
Area:	3E		
Facility Type:	T0		
Permit Number:	00003057T	Permit Status:	Removed
Facility Status:	Removed		
Region:	Los Angeles County:		

074
South
1/4-1/2
1754 ft.

BURBANK ROOFING SUPPLY INC
205 W MAGNOLIA BLVD
BURBANK, CA 91502

HIST UST **U001568329**
N/A

Relative:
Lower

Site 5 of 5 In cluster 0

Actual:
566 ft.

UST HIST:

Facility ID: 60909
Total Tanks: 1
Owner Address: 5234 LOS BENITOS WAY
LOS ANGELES, CA 90027
Tank Used for: PRODUCT
Tank Num: 1
Tank Capacity: 00002000
Type of Fuel: DIESEL
Leak Detection: None
Contact Name: SUPERVISOR
Facility Type: Other

Owner Name: JOHN E.MACKEL
Region: STATE

Container Num: #1
Year Installed: Not reported
Tank Construction: Not Reported

Telephone: (213) 849-1178
Other Type: WHOLESALE ROOFING MA

APPENDICES

TC1285242.2s Page 70

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation



MARJON INDUSTRIES (Continued)

EDR ID Number
 EPA ID Number

Database(s)

1000265635

RCRIS:

Owner: HOFMANN INDUSTRIES
 (415) 555-1212
 EPA ID: CAD981379910
 Contact: ENVIRONMENTAL MANAGER
 (818) 845-8564

Classification: Small Quantity Generator
 TSD Activities: Not reported

Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:
 Resource Conservation and Recovery Act Information system

FID:

Facility ID:	19006134	Regulate ID:	00050907
Reg By:	Active Underground Storage Tank Location		
Cortese Code:	Not reported	SIC Code:	Not reported
Status:	Active	Facility Tel:	(818) 000-0000
Mail To:	Not reported		
	1120 SCOTT RD.		
	BURBANK, CA 91504		
Contact:	Not reported	Contact Tel:	Not reported
DUNS No:	Not reported	NPDES No:	Not reported
Creation:	10/22/93	Modified:	00/00/00
EPA ID:	Not reported		
Comments:	Not reported		

UST HIST:

Facility ID:	50907	Owner Name:	MARY FUCHS, SYLVIA JASPER, AND
Total Tanks:	1	Region:	STATE
Owner Address:	15601 MEADOW GATE RD.		
	ENCINO, CA 91436		
Tank Used for:	PRODUCT		
Tank Num:	1	Container Num:	1
Tank Capacity:	00001000	Year Installed:	1954
Type of Fuel:	REGULAR	Tank Construction:	12 gauge
Leak Detection:	None		
Contact Name:	Not reported	Telephone:	(818) 845-8564
Facility Type:	Other	Other Type:	MFG. MATERIAL HOLG.

Q78 QUALITY READY MIX
 WNW 1061 VICTORY PL
 1/4-1/2 BURBANK, CA 91502
 1826 ft.

CA FID UST S101618662
 N/A

Relative:
 Higher

Site 3 of 6 in cluster Q

Actual:
 590 ft.

Map ID
Direction
Distance
Distance (ft.)
Elevation Site



Database(s)
EDR ID Number
EPA ID Number

QUALITY READY MIX (Continued)

S101618862

FID:

Facility ID:	19039801	Regulate ID:	Not reported
Reg By:	Active Underground Storage Tank Location		
Cortese Code:	Not reported	SIC Code:	Not reported
Status:	Active	Facility Tel:	Not reported
Mail To:	Not reported		
	1061 VICTORY PL		
	BURBANK, CA 91502		
Contact:	Not reported	Contact Tel:	Not reported
DUNS No:	Not reported	NPDES No:	Not reported
Creation:	10/22/93	Modified:	00/00/00
EPA ID:	Not reported		
Comments:	Not reported		

Q79
WNW
1/4-1/2
1826 ft.

QUALITY READY-MIX
1061 N VICTORY PL
BURBANK, CA 91502

HIST UST **U001568348**
N/A

Site 4 of 6 in cluster Q

Relative:
Higher

Actual:
590 ft.

UST HIST:

Facility ID: 41196
Total Tanks: 6
Owner Address: 1061 VICTORY PL
BURBANK, CA 91502
Tank Used for: PRODUCT
Tank Num: 1
Tank Capacity: 00008000
Type of Fuel: DIESEL
Leak Detection: Visual
Contact Name: Not reported
Facility Type: Other

Owner Name: QUALITY READY-MIX
Region: STATE

Container Num: 1
Year Installed: 1968
Tank Construction: Not Reported

Telephone: (818) 848-6685
Other Type: CONCRETE PRODUCER

Facility ID: 41196
Total Tanks: 6
Owner Address: 1061 VICTORY PL
BURBANK, CA 91502
Tank Used for: PRODUCT
Tank Num: 2
Tank Capacity: 00001950
Type of Fuel: REGULAR
Leak Detection: Visual
Contact Name: Not reported
Facility Type: Other

Owner Name: QUALITY READY-MIX
Region: STATE

Container Num: #2
Year Installed: 1968
Tank Construction: Not Reported

Telephone: (818) 848-6685
Other Type: CONCRETE PRODUCER

Facility ID: 41196
Total Tanks: 6
Owner Address: 1061 VICTORY PL
BURBANK, CA 91502
Tank Used for: PRODUCT
Tank Num: 3
Tank Capacity: 00000500
Type of Fuel: Not reported
Leak Detection: Visual
Contact Name: Not reported
Facility Type: Other

Owner Name: QUALITY READY-MIX
Region: STATE

Container Num: #3
Year Installed: 1972
Tank Construction: Not Reported

Telephone: (818) 848-6685
Other Type: CONCRETE PRODUCER

Facility ID: 41196

Owner Name: QUALITY READY-MIX

Map ID
Direction
Distance
Distance (ft.)
Elevation Site



Database(s)
EDR ID Number
EPA ID Number

QUALITY READY-MIX (Continued)

U001568348

Total Tanks: 6
Owner Address: 1061 VICTORY PL.
BURBANK, CA 91502

Region: STATE

Tank Used for: WASTE
Tank Num: 4
Tank Capacity: 00000550
Type of Fuel: WASTE OIL
Leak Detection: Visual
Contact Name: Not reported
Facility Type: Other

Container Num: #4
Year Installed: 1972
Tank Construction: Not Reported

Telephone: (818) 848-6685
Other Type: CONCRETE PRODUCER

Facility ID: 41196
Total Tanks: 6
Owner Address: 1061 VICTORY PL.
BURBANK, CA 91502

Owner Name: QUALITY READY-MIX
Region: STATE

Tank Used for: WASTE
Tank Num: 5
Tank Capacity: 00000000
Type of Fuel: Not reported
Leak Detection: Visual
Contact Name: Not reported
Facility Type: Other

Container Num: #5
Year Installed: 1967
Tank Construction: 6 inches

Telephone: (818) 848-6685
Other Type: CONCRETE PRODUCER

Facility ID: 41196
Total Tanks: 6
Owner Address: 1061 VICTORY PL.
BURBANK, CA 91502

Owner Name: QUALITY READY-MIX
Region: STATE

Tank Used for: WASTE
Tank Num: 6
Tank Capacity: 00001000
Type of Fuel: WASTE OIL
Leak Detection: Visual
Contact Name: Not reported
Facility Type: Other

Container Num: #6
Year Installed: 1983
Tank Construction: 12 inches

Telephone: (818) 848-6685
Other Type: CONCRETE PRODUCER

R80
SE
1/4-1/2
1832 ft.

U E SPECIALTIES
201 N FRONT ST
BURBANK, CA 91502

RCRIS-SQG 1000132146
FINDS CAD980895734

Site 1 of 2 in cluster R

Relative:
Lower

RCRIS:

Owner: NOT REQUIRED
(415) 555-1212

EPA ID: CAD980895734

Contact: ENVIRONMENTAL MANAGER
(818) 846-8066

Classification: Small Quantity Generator
TSDF Activities: Not reported

Actual:
576 ft.

Map ID
Direction
Distance
Distance (ft.)
Elevation Site



Database(s)
EDR ID Number
EPA ID Number

U E SPECIALTIES (Continued)

1000132146

Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system

R81
SE
1/4-1/2
1832 ft.

RAILCHEM
201 N. FRONT ST.
BURBANK, CA 91502
Site 2 of 2 in cluster R

RCRIS-SQG 1000278017
RCRIS-TSD CAD075275180
FINDS
RAATS
CORRACTS
CERC-NFRAP

Relative:
Lower

Actual:
576 ft.

CERCLIS-NFRAP Classification Data:

Site Incident Category: Not reported
Non NPL Code: DR
Ownership Status: Private

Federal Facility: Not a Federal Facility

CERCLIS-NFRAP Assessment History:

Assessment: DISCOVERY
Assessment: PRELIMINARY ASSESSMENT
Assessment: ARCHIVE SITE

NPL Status: Not on the NPL

Completed: 04/08/1992

Completed: 10/19/1992

Completed: 01/23/1996

CORRACTS Data:

EPA Id: CAD075275180
Region: 9
Area Name: ENTIRE FACILITY
Actual Date: 12/22/1992
Corrective Action: CA075ME - CA Prioritization, Facility or area was assigned a medium corrective action priority
2002 NAICS Title: Not Reported

EPA Id: CAD075275180
Region: 9
Area Name: ENTIRE FACILITY
Actual Date: 09/11/1992
Corrective Action: CA075ME - CA Prioritization, Facility or area was assigned a medium corrective action priority
2002 NAICS Title: Not Reported

EPA Id: CAD075275180
Region: 9
Area Name: ENTIRE FACILITY
Actual Date: / /
Corrective Action: CA100 - RFI Imposition
2002 NAICS Title: Not Reported

EPA Id: CAD075275180
Region: 9
Area Name: ENTIRE FACILITY
Actual Date: 12/31/1992
Corrective Action: CA225NR - Stabilization Measures Evaluation, This facility is , not amenable to stabilization activity at the, present time for reasons other than (1) It appears to be technically, infeasible or inappropriate (NF) or (2) there is a lack of technical, information (IN). Reasons for this conclusion may be the status of, closure at the facility, the degree of risk, timing considerations, the status of corrective action work at the facility, or other, administrative considerations
2002 NAICS Title: Not Reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site



Database(s)
EDR ID Number
EPA ID Number

RAILCHEM (Continued)

1000278017

RCRIS Corrective Action Summary:

Event: RFI Imposition
Event Date: Not reported

Event: CMI Workplan Approved
Event Date: 06/30/2000

Event: Stabilization Measures Evaluation. This facility is not amenable to stabilization activity at the present time for reasons other than 1) it appears to be technically infeasible or inappropriate (NF) or 2) there is a lack of technical information (IN). Reasons for this conclusion may be the status of closure at the facility, the degree of risk, timing considerations, the status of corrective action work at the facility, or other administrative considerations.
Event Date: 12/31/1992

Event: CA Prioritization, Facility or area was assigned a medium corrective action priority.
Event Date: 12/22/1992

Event: CA Prioritization, Facility or area was assigned a medium corrective action priority.
Event Date: 09/11/1992

RCRIS:

Owner: NOT REQUIRED
(415) 555-1212
EPA ID: CAD075275180
Contact: Not reported

Classification: TSDF
TSDF Activities: Not reported

Violation Status: Violations exist

Regulation Violated:	Not reported
Area of Violation:	TRANSPORTER-OTHER REQUIREMENTS
Date Violation Determined:	07/26/1990
Actual Date Achieved Compliance:	Not reported
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	10/26/1990
Penalty Type:	Proposed Monetary Penalty
Enforcement Action:	INITIAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date:	01/07/1991
Penalty Type:	Proposed Monetary Penalty
Enforcement Action:	INITIAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date:	11/07/1991
Penalty Type:	Proposed Monetary Penalty
Regulation Violated:	Not reported
Area of Violation:	TSD-CLOSURE/POST-CLOSURE REQUIREMENTS
Date Violation Determined:	07/26/1990
Actual Date Achieved Compliance:	Not reported
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	10/26/1990
Penalty Type:	Proposed Monetary Penalty
Enforcement Action:	INITIAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date:	01/07/1991

Map ID
Direction
Distance
Distance (ft.)
Elevation Site



Database(s)
EDR ID Number
EPA ID Number

RAILCHEM (Continued)

1000278017

Penalty Type: Proposed Monetary Penalty
Enforcement Action: INITIAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date: 11/07/1991
Penalty Type: Proposed Monetary Penalty
Regulation Violated: Not reported
Area of Violation: GENERATOR-OTHER REQUIREMENTS
Date Violation Determined: 07/26/1990
Actual Date Achieved Compliance: Not reported
Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 10/26/1990
Penalty Type: Proposed Monetary Penalty
Enforcement Action: INITIAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date: 01/07/1991
Penalty Type: Proposed Monetary Penalty
Enforcement Action: INITIAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date: 11/07/1991
Penalty Type: Proposed Monetary Penalty

Penalty Summary:

Penalty Description	Penalty Date	Penalty Amount	Lead Agency
Proposed Monetary Penalty	11/7/1991	30000	STATE
Proposed Monetary Penalty	1/7/1991	30000	STATE

There are 3 violation record(s) reported at this site:

Evaluation	Area of Violation	Date of Compliance
Compliance Evaluation Inspection	TRANSPORTER-OTHER REQUIREMENTS TSD-CLOSURE/POST-CLOSURE REQUIREMENTS GENERATOR-OTHER REQUIREMENTS	

FINDS:

Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system

Q82 95538
WNW 823 W BURBANK BLVD
1/4-1/2 BURBANK, CA 91506
1834 ft.

HIST UST U001568433
N/A

Relative:
Higher

Site 5 of 6 in cluster Q

Actual:
590 ft.

UST HIST:

Facility ID: 62766
Total Tanks: 4
Owner Address: 575 MARKET
SAN FRANCISCO, CA 94105
Tank Used for: PRODUCT
Tank Num: 1
Tank Capacity: 00006000
Type of Fuel: Not reported
Leak Detection: Stock Inventor
Contact Name: KHOURY, IBRAHIM D.
Facility Type: Gas Station

Owner Name: CHEVRON U.S.A. INC.
Region: STATE

Container Num: 1
Year Installed: 1962
Tank Construction: 0000250 unknown

Telephone: (818) 842-8086
Other Type: Not reported

Facility ID: 62766
Total Tanks: 4
Owner Address: 575 MARKET

Owner Name: CHEVRON U.S.A. INC.
Region: STATE

Map ID
Direction
Distance
Distance (ft.)
Elevation



Database(s)
EDR ID Number
EPA ID Number

95538 (Continued)

U001568433

SAN FRANCISCO, CA 94105	
Tank Used for:	PRODUCT
Tank Num:	2
Tank Capacity:	00006000
Type of Fuel:	Not reported
Leak Detection:	Stock Inventor
Contact Name:	KHOURY,IBRAHIM D.
Facility Type:	Gas Station
Facility ID:	62766
Total Tanks:	4
Owner Address:	575 MARKET SAN FRANCISCO, CA 94105
Tank Used for:	PRODUCT
Tank Num:	3
Tank Capacity:	00009000
Type of Fuel:	Not reported
Leak Detection:	Stock Inventor
Contact Name:	KHOURY,IBRAHIM D.
Facility Type:	Gas Station
Facility ID:	62766
Total Tanks:	4
Owner Address:	575 MARKET SAN FRANCISCO, CA 94105
Tank Used for:	WASTE
Tank Num:	4
Tank Capacity:	00000550
Type of Fuel:	Not reported
Leak Detection:	Stock Inventor
Contact Name:	KHOURY,IBRAHIM D.
Facility Type:	Gas Station

Container Num:	2
Year Installed:	1962
Tank Construction:	0000250 unknown
Telephone:	(818) 842-8086
Other Type:	Not reported
Owner Name:	CHEVRON U.S.A. INC.
Region:	STATE

Container Num:	3
Year Installed:	1962
Tank Construction:	0000250 unknown
Telephone:	(818) 842-8086
Other Type:	Not reported
Owner Name:	CHEVRON U.S.A. INC.
Region:	STATE

Container Num:	4
Year Installed:	1962
Tank Construction:	0000100 unknown
Telephone:	(818) 842-8086
Other Type:	Not reported

S83
SE
1/4-1/2
1834 ft

SWISS DANE CORP
36 E ORANGE GROVE AVE
BURBANK, CA 91502

RCRIS-SQG 1000385900
FINDS CAD981613508

Site 1 of 2 in cluster S

Relative:
Higher

RCRIS:

Owner: JOSEPH ODERMATT
(415) 556-1212
EPA ID: CAD981613508
Contact: ENVIRONMENTAL MANAGER
(818) 846-3452

Actual:
589 ft

Classification: Small Quantity Generator
TSDF Activities: Not reported
Violation Status: No violations found

Map ID
Direction
Distance
Distance (ft.)
Elevation Site



Database(s) EDR ID Number
EPA ID Number

SWISS DANE CORP (Continued)

1000385900

FINDS:

Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system

Q84
WNW
1/4-1/2
1838 ft.

CHEVRON
925 W BURBANK BLVD
BURBANK, CA 91506

UST U003776273
N/A

Site 6 of 6 in cluster Q

Relative:
Higher

State UST:
Facility ID: 009328
Region: STATE
Local Agency: 19007

Actual:
590 ft.

S85
ESE
1/4-1/2
1865 ft.

STERLING TIRE CO
201 N 1ST ST
BURBANK, CA 91502

RCRIS-SQG 1000364525
FINDS CAD982416307
Cortese
LUST

Site 2 of 2 in cluster S

Relative:
Higher

RCRIS:
Owner: GEORGALAS LJ
(415) 555-1212
EPA ID: CAD982416307
Contact: Not reported
Classification: Small Quantity Generator
TSDF Activities: Not reported
Violation Status: No violations found

Actual:
595 ft.

FINDS:

Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system

State LUST:

Cross Street: Not reported
Qty Leaked: Not reported
Case Number: 915020043
Reg Board: 4
Chemical: 1
Lead Agency: Regional Board
Local Agency: 19007
Case Type: Soil only
Status: Case Closed
Review Date: Not reported
Workplan: Not reported
Pollution Char: Not reported
Remed Action: Not reported
Monitoring: Not reported
Close Date: 1997-11-19 00:00:00
Release Date: Not reported
Cleanup Fund Id: Not reported
Discover Date: Not reported
Enforcement Dt: Not reported
Enf Type: Not reported
Enter Date: 1990-12-12 00:00:00

Confirm Leak: Not reported
Prelim Assess: Not reported
Remed Plan: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site



Database(s) EDR ID Number
EPA ID Number

STERLING TIRE CO (Continued)

1000364525

Funding: Not reported
Staff Initials: DB
How Discovered: Not reported
How Stopped: Not reported
Interim: Not reported
Leak Cause: Not reported
Leak Source: Not reported
MTBE Date: Not reported
Max MTBE GW: Not reported
MTBE Tested: Not Required to be Tested.
Priority: Not reported
Local Case #: 0
Beneficial: Not reported
Staff: GK
GW Qualifier: Not reported
Max MTBE Soil: Not reported
Soil Qualifier: Not reported
Hydr Basin #: SAN FERNANDO VALLEY
Operator: OLD CASE #121390-03
Oversight Prgm: LUST
Review Date: 1997-10-31 00:00:00
Stop Date: Not reported
Work Suspended: Not reported
Responsible Party: BLANK RP
RP Address: 245 E. OLIVE AVE., SUITE #500, BURBANK, CA 91502
Global Id: T0603702498
Org Name: Not reported
Contact Person: Not reported
MTBE Conc: 0
Mtb Fuel: 0
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported

LUST Region 4:

Report Date: 10/18/1990
Lead Agency: Regional Board
Local Agency: 19007
Substance: 1
Case Type: Soil
Status: Case Closed
Region: 4
Staff: GK
Date Case Last Changed on Database:
Date Leak Record Entered:
Historical Max MTBE Date:
GW Qualifier:
Soil Qualifier:
Hist Max MTBE Conc in Groundwater:
Hist Max MTBE Conc in Soil:
County:
Organization:
Regional Board:
Owner Contact: Not reported
Responsible Party:
RP Address:

10/31/97

12/12/90

Not reported

Not reported

Not reported

Not reported

Not reported

Los Angeles

Not reported

4

BLANK RP

245 E. OLIVE AVE., SUITE #500, BURBANK, CA 91502

Map ID
Direction
Distance
Distance (ft.)
Elevation Site



Database(s) EDR ID Number
EPA ID Number

STERLING TIRE CO (Continued)

1000364525

Significant Interim Remedial Action Taken: Not reported
Program : LUST
Lat / Long : 34 / -118
Local Agency Staff: DB
Summary : 5/6/97 - COUNTY ASSESSOR REVIEW.
6/6/97 - INFORMATION LETTER SENT &
FOLLOW-UP 3/19/97- DAB ASSIGNED
CASE TO MSH
SAN FERNANDO VALLEY
Hydrologic Basin # :
Beneficial Use : Not reported
Priority : Not reported
Cleanup Fund Id : Not reported
Suspended : Not reported
Local Case No : Not reported
Substance Quantity : 0
Abatement Method Used at the Site: Not reported
Operator : OLD CASE #121390-03
Water System : Not reported
Well Name : Not reported
Approx. Dist To Production Well (ft) : 1450.049475
Assigned Name : Not reported
Source of Cleanup Funding: Not reported
Date the Leak was Discovered: / /
How the Leak was Discovered: Not reported
How the Leak was Stopped: Not reported
Cause of Leak: Not reported
Leak Source: Not reported
Date The Leak was Stopped: Not reported
Date Confirmation Leak Began: Not reported
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: Not reported
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Date the Case was Closed: 11/19/97
Enforcement Action Date: Not reported
Date Leak First Reported: 10/18/1990
Enforcement Type: Not reported
Global ID : T0603702498
Cross Street: Not reported

CORTESE:

Region: CORTESE
Fac Address 2: 201 001ST ST N

T86
West
1/4-1/2
1868 ft.

SUN ART PLATING CO.
1021 ISABEL ST.
BURBANK, CA 91506

CA SLIC S106484788
N/A

Site 1 of 4 in cluster T

Relative;
Higher

CA STATE SLIC :

Actual;
589 ft.

Global Id : SL603798993
Region : STATE
Assigned Name : SLICSITE
Lead Agency Contact : UNASSIGNED
Lead Agency : LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number : 109.6173

Map ID
Direction
Distance
Distance (ft.)
Elevation Site



Database(s) EDR ID Number
EPA ID Number

SUN ART PLATING CO. (Continued)

\$106484788

Responsible Party : MR. BILL HABITZ
Recent Dtw : Not reported
Substance Released : CR, VOC

T87
West
1/4-1/2
1868 ft.

SUN ART PLATING
1021 ISABEL ST
BURBANK, CA 91506

RCRIS-SQG 1000102445
FINDS CAD982477580

Relative:
Higher

Actual:
689 ft.

Site 2 of 4 in cluster T

RCRIS:
Owner: RUTH ALEXANDER
(415) 555-1212
EPA ID: CAD982477580
Contact: ENVIRONMENTAL MANAGER
(818) 842-4415

Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system

88
NNW
1/4-1/2
1974 ft.

PHOTO STOP
1121E N SAN FERNANDO BLVD
BURBANK, CA 91504

RCRIS-SQG 1000415354
FINDS CAD981383201
HAZNET

Relative:
Higher

Actual:
613 ft.

RCRIS:
Owner: NATHAN LOCKMAN
(415) 555-1212
EPA ID: CAD981383201

Contact: Not reported
Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system

HAZNET:

Gepaid: CAD981383201
TSD EPA ID: CAD108040858
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .1250
Waste Category: Photochemicals/photoprocessing waste
Disposal Method: Not reported
Contact: IN W KIM
Telephone: (818) 248-0652
Mailing Address: 1121 N SAN FERNANDO BLVD
BURBANK, CA 91504 - 4300
County: Los Angeles

Map ID
Direction
Distance
Distance (ft.)
Elevation Site



EDR ID Number
EPA ID Number
Database(s)

PHOTO STOP (Continued)

1000415354

Gepaid: CAD981383201
TSD EPA ID: CAD108040858
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .1875
Waste Category: Photochemicals/photoprocessing waste
Disposal Method: Recycler
Contact: IN W KIM
Telephone: (818) 248-0652
Mailing Address: 1121 N SAN FERNANDO BLVD
BURBANK, CA 91504 - 4300
County: Los Angeles

Gepaid: CAD981383201
TSD EPA ID: CAD108040858
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .0625
Waste Category: Photochemicals/photoprocessing waste
Disposal Method: Not reported
Contact: IN W KIM
Telephone: (818) 248-0652
Mailing Address: 1121 N SAN FERNANDO BLVD
BURBANK, CA 91504 - 4300
County: Los Angeles

Gepaid: CAD981383201
TSD EPA ID: CAL000121946
Gen County: Los Angeles
Tsd County: Marin
Tons: 1.3761
Waste Category: Photochemicals/photoprocessing waste
Disposal Method: Recycler
Contact: IN W KIM
Telephone: (818) 248-0652
Mailing Address: 1121 N SAN FERNANDO BLVD
BURBANK, CA 91504 - 4300
County: Los Angeles

Gepaid: CAD981383201
TSD EPA ID: CAL000121946
Gen County: Los Angeles
Tsd County: Marin
Tons: 1.5012
Waste Category: Photochemicals/photoprocessing waste
Disposal Method: Recycler
Contact: IN W KIM
Telephone: (818) 248-0652
Mailing Address: 1121 N SAN FERNANDO BLVD
BURBANK, CA 91504 - 4300
County: Los Angeles

Click this hyperlink while viewing on your computer to access
6 additional CA HAZNET record(s) in the EDR Site Report.

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation



Site

Database(s)

EDR ID Number
 EPA ID Number

89
 WSW
 1/4-1/2
 2085 ft.

AMERICAN SOUND & VIDEO CORP
 1111 CHESTNUT ST
 , CA

LOS ANGELES CO. HMS
 LUST

S104733310
 N/A

Relative:
 Higher

Actual:
 585 ft.

State LUST:
 Cross Street: Not reported
 Qty Leaked: Not reported
 Case Number: 166-97
 Reg Board: 9
 Chemical: 0
 Lead Agency: Regional Board
 Local Agency: Not reported
 Case Type: Not reported
 Status: Not reported
 Review Date: Not reported
 Workplan: Not reported
 Pollution Char: Not reported
 Remed Action: Not reported
 Monitoring: Not reported
 Close Date: Not reported
 Release Date: Not reported
 Cleanup Fund Id: Not reported
 Discover Date: Not reported
 Enforcement Dt: Not reported
 Enf Type: None Taken
 Enter Date: Not reported
 Funding: Not reported
 Staff Initials: Not reported
 How Discovered: Not reported
 How Stopped: Not reported
 Interim: Not reported
 Leak Cause: Not reported
 Leak Source: Not reported
 MTBE Date: Not reported
 Max MTBE GW: Not reported
 MTBE Tested: Not Required to be Tested.
 Priority: Not reported
 Local Case #: 400271
 Beneficial: Not reported
 Staff: CK
 GW Qualifier: Not reported
 Max MTBE Soil: Not reported
 Soil Qualifier: Not reported
 Hydr Basin #: Not reported
 Operator: Not reported
 Oversight Prgm: Department of Defense UST
 Review Date: Not reported
 Stop Date: Not reported
 Work Suspended: Not reported
 Responsible Party: Bill Collins
 RP Address: Not reported
 Global Id: T0608507131
 Org Name: Not reported
 Contact Person: Not reported
 MTBE Conc: 0
 Mtb Fuel: 0
 Water System Name: Not reported
 Well Name: Not reported

Confirm Leak: Not reported
 Prelim Assess: Not reported
 Remed Plan: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation

Site

Database(s)

EDR ID Number
EPA ID Number

AMERICAN SOUND & VIDEO CORP (Continued)

S104733310

Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported

HMS:

Facility Id: 023391-032669
Area: 3E
Facility Type: Not reported
Permit Number: Not reported
Facility Status: OPEN
Region: Los Angeles County:

Permit Status: Not reported

T90
West
1/4-1/2
2125 ft.

DYNAMIC PLATING INC
1100 TO 11002 ISABEL STREET
BURBANK, CA 91506

CERCLIS 1000149767
RCRIS-SQG CAD053878120
FINDS

Site 3 of 4 in cluster T

Relative:
Higher

Actual:
592 ft.

CERCLIS Classification Data:

Site incident category: Not reported
Non NPL Status: Removal Only Site (No Site Assessment Work Needed)

Federal Facility: Not a Federal Facility

Ownership Status: Unknown

NPL Status: Not on the NPL

Contact: Jere Johnson

Contact Tel: (415) 972-3094

Contact Title: Not reported

Contact: Hedy Salter

Contact Tel: (415) 972-3046

Contact Title: Not reported

CERCLIS Assessment History:

Assessment: DISCOVERY

Completed: 01/22/1990

Assessment: REMOVAL

Completed: 11/09/2002

CERCLIS Site Status:

Cleaned up

RCRIS:

Owner: CHUCK CEBALLOS
(415) 555-1212

EPA ID: CAD053878120

Contact: Not reported

Classification: Small Quantity Generator

TSDF Activities: Not reported

Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:

Comprehensive Environmental Response, Compensation and Liability Information System
Resource Conservation and Recovery Act Information system

T91
West
1/4-1/2
2134 ft.

GTR MARBLE INC.
1102 ISABEL ST.
BURBANK, CA 91506

CA SLIC S106484783
N/A

Site 4 of 4 in cluster T

Relative:
Higher

Actual:
592 ft.

CA STATE SLIC :

Global Id : SL603798987

Region : STATE

Assigned Name : SLIC SITE

Lead Agency Contact : MOHAMMAD ZAIDI

Map ID
Direction
Distance
Distance (ft.)
Elevation Site



Database(s) EDR ID Number
EPA ID Number

GTR MARBLE INC. (Continued)

S106484783

Lead Agency : LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number : 109.5378
Responsible Party : UNKNOWN
Recent Dtw : Not reported
Substance Released : CR, VOC

U92 TEXACO FOOD MART #0251
SSW 400 VICTORY BLVD N
1/4-1/2 BURBANK, CA
2156 ft.

Cortese S101307316
LUST N/A

Site 1 of 2 in cluster U

Relative:
Lower

State LUST:

Actual:
569 ft.

Cross Street: MAGNOLIA
Qty Leaked: Not reported
Case Number: 915020170
Reg Board: 4
Chemical: Diesel
Lead Agency: Local Agency
Local Agency: 19007
Case Type: Soil only
Status: Remedial action (cleanup) Underway
Review Date: Not reported
Workplan: Not reported
Pollution Char: Not reported
Remed Action: 1993-12-09 00:00:00
Monitoring: Not reported
Close Date: Not reported
Release Date: Not reported
Cleanup Fund Id: Not reported
Discover Date: Not reported
Enforcement Dt: Not reported
Ent Type: Not reported
Enter Date: 1993-12-24 00:00:00
Funding: Not reported
Staff Initials: DB
How Discovered: OM
How Stopped: Not reported
Interim: Not reported
Leak Cause: Overfill
Leak Source: Other Source
MTBE Date: Not reported
Max MTBE GW: Not reported
MTBE Tested: MTBE Detected. Site tested for MTBE & MTBE detected
Priority: Not reported
Local Case #: 0
Beneficial: Not reported
Staff: UNK
GW Qualifier: Not reported
Max MTBE Soil: 2.20 Parts per Million
Soil Qualifier: Not reported
Hydr Basin #: SAN FERNANDO VALLEY
Operator: TEXACO REFINING & MARKETING CO
Oversight Prgm: LUST
Review Date: 1993-12-24 00:00:00
Stop Date: Not reported
Work Suspended: Not reported
Responsible Party: TEXACO REF. AND MARKETING CO.
RP Address: SAME AS ABOVE

Confirm Leak: Not reported
Prelim Assess: Not reported
Remed Plan: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

APPENDINGS

Database(s) EDR ID Number
EPA ID Number

TEXACO FOOD MART #0251 (Continued)

S101307316

Global Id: T0603792930
Org Name: Not reported
Contact Person: Not reported
MTBE Conc: 1
Mtbe Fuel: 0
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported

LUST Region 4:

Report Date: 12/09/1993
Lead Agency: Local Agency
Local Agency: 19007
Substance: Diesel
Case Type: Soil
Status: Remedial action (cleanup) Underway
Region: 4
Staff: UNK
Date Case Last Changed on Database: 12/24/93
Date Leak Record Entered: 12/24/93
Historical Max MTBE Date: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: 2.2
County: Los Angeles
Organization: Not reported
Regional Board: 4
Owner Contact: Not reported
Responsible Party: TEXACO REF AND MARKINTING CO.
RP Address: SAME AS ABOVE
Significant Interim Remedial Action Taken: Not reported
Program: LUST
Lat / Long: 34 / -118
Local Agency Staff: DB
Summary: Not reported
Hydrologic Basin #: SAN FERNANDO VALLEY
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Local Case No: Not reported
Substance Quantity: 0
Abatement Method Used at the Site: Not reported
Operator: TEXACO REFINING & MARKETING CO
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 1037.632864
Assigned Name: Not reported
Source of Cleanup Funding: Not reported
Date the Leak was Discovered: 12/09/1993
How the Leak was Discovered: OM
How the Leak was Stopped: Not reported
Cause of Leak: Overfill
Leak Source: Other Source
Date The Leak was Stopped: 12/9/93

Map ID
Direction
Distance
Distance (ft.)
Elevation

Site

Database(s)

EDR ID Number
EPA ID Number

TEXACO FOOD MART #0251 (Continued)

S101307316

Date Confirmation Leak Began: Not reported
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: Not reported
Remediation Plan Submitted: Not reported
Remedial Action Underway: 12/8/93
Post Remedial Action Monitoring Began: Not reported
Date the Case was Closed: Not reported
Enforcement Action Date: Not reported
Date Leak First Reported: 12/09/1993
Enforcement Type: Not reported
Global ID : T0603782930
Cross Street: MAGNOLIA

CORTESE:

Region: CORTESE
Fac Address 2: 400 VICTORY BLVD N

**U93
SSW
1/4-1/2
2180 ft.**

**MAGNOLIA CAR WASH
910 MAGNOLIA BLVD W
BURBANK, CA 91506**

**Cortese S104406391
LUST N/A**

Site 2 of 2 in cluster U

**Relative:
Lower**

State LUST:

**Actual:
569 ft.**

Cross Street: VICTORY BLVD
Qty Leaked: Not reported
Case Number: 915060098
Reg Board: 4
Chemical: Gasoline
Lead Agency: Regional Board
Local Agency: 19007
Case Type: Soil only
Status: Pollution Characterization
Review Date: 1999-02-24 00:00:00
Workplan: Not reported
Pollution Char: Not reported
Remed Action: Not reported
Monitoring: Not reported
Close Date: Not reported
Release Date: Not reported
Cleanup Fund Id: Not reported
Discover Date: Not reported
Enforcement Dt: Not reported
Enf Type: None Taken
Enter Date: Not reported
Funding: Not reported
Staff Initials: DB
How Discovered: Repair Tank
How Stopped: Not reported
Interim: Not reported
Leak Cause: UNK
Leak Source: Piping
MTBE Date: Not reported
Max MTBE GW: Not reported
MTBE Tested: MTBE Detected. Site tested for MTBE & MTBE detected
Priority: Not reported
Local Case #: 0
Beneficial: Not reported

Confirm Leak: 1999-02-24 00:00:00
Prelim Assess: Not reported
Remed Plan: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site



Database(s) EDR ID Number
EPA ID Number

MAGNOLIA CAR WASH (Continued)

S104406391

Staff : MB
GW Qualifier : Not reported
Max MTBE Soil : 1260 Parts per Million
Soil Qualifier : Not reported
Hydr Basin # : SAN FERNANDO VALLEY
Operator : MASIS GHEVONDIAN
Oversight Prgm: LUST
Review Date : 2002-05-23 00:00:00
Stop Date : Not reported
Work Suspended Not reported
Responsible Party: AMANDEL
RP Address: 12611 PROMONTORY RD.
Global Id: T0603702540
Org Name: Not reported
Contact Person: Not reported
MTBE Conc: 1
Mibe Fuel: 1
Water System Name: Not reported
Well Name: Not reported
Distance To LUST: 1
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported

LUST Region 4:

Report Date: 02/24/1999
Lead Agency: Regional Board
Local Agency: 19007
Substance: Gasoline
Case Type: Soil
Status: Pollution Characterization
Region: 4
Staff: MB

Date Case Last Changed on Database:

5/23/02

Date Leak Record Entered:

Not reported

Historical Max MTBE Date:

Not reported

GW Qualifier:

Not reported

Soil Qualifier:

Not reported

Hist Max MTBE Conc In Groundwater:

Not reported

Hist Max MTBE Conc In Soil :

1260

County:

Los Angeles

Organization :

Not reported

Regional Board:

4

Owner Contact: Not reported

Responsible Party:

AMANDEL

RP Address:

12611 PROMONTORY RD.

Significant Interim Remedial Action Taken:

Not reported

Program :

LUST

Lat / Long :

34 / -118

Local Agency Staff:

DB

Summary :

Not reported

Hydrologic Basin # :

SAN FERNANDO VALLEY

Beneficial Use :

Not reported

Priority :

Not reported

Cleanup Fund Id :

Not reported

Suspended :

Not reported

Local Case No :

Not reported

Substance Quantity :

0

Abatement Method Used at the Site:

Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation

Site

PENDINGS

Database(s)

EDR ID Number
EPA ID Number

MAGNOLIA CAR WASH (Continued)

S104406391

Operator : MASIS GHEVONDIAN
Water System : Not reported
Well Name : Not reported
Approx. Dist To Production Well (ft) : 986.1710161
Assigned Name : Not reported
Source of Cleanup Funding: Not reported
Date the Leak was Discovered: 05/20/1998
How the Leak was Discovered: TR
How the Leak was Stopped: Not reported
Cause of Leak: UNK
Leak Source: Piping
Date The Leak was Stopped: 5/19/98
Date Confirmation Leak Began: 2/24/99
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: 1/15/04
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Date the Case was Closed: Not reported
Enforcement Action Date: Not reported
Date Leak First Reported: 02/24/1999
Enforcement Type: N
Global ID : T0603702540
Cross Street: VICTORY BLVD

CORTESE:

Region: CORTESE
Fac Address 2: 910 MAGNOLIA BLVD W

V94
West
1/4-1/2
2181 ft.

MIDWEST COMMUNICATION CORP.
1117 ISABEL ST.
BURBANK, CA 91506

CA SLIC S106484789
N/A

Site 1 of 2 in cluster V

Relative:
Higher

Actual:
592 ft.

CA STATE SLIC :
Global Id : SL603798994
Region : STATE
Assigned Name : SLIC SITE
Lead Agency Contact : UNASSIGNED
Lead Agency : LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number : 109.6174
Responsible Party : MR. DON TOTHE
Recent Dtw : Not reported
Substance Released : VOC

V95
West
1/4-1/2
2184 ft.

CALIFORNIA COAST COLOR
1121 ISABEL ST.
BURBANK, CA 91502

CA SLIC S106484428
N/A

Site 2 of 2 in cluster V

Relative:
Higher

Actual:
592 ft.

CA STATE SLIC :
Global Id : SL603798598
Region : STATE
Assigned Name : SLIC SITE
Lead Agency Contact : UNASSIGNED
Lead Agency : LOS ANGELES RWQCB (REGION 4)

Map ID
Direction
Distance
Distance (ft.)
Elevation



CALIFORNIA COAST COLOR (Continued)

EDR ID Number
EPA ID Number

Database(s)

S106484428

Lead Agency Case Number : 104.0171
Responsible Party : UNKNOWN
Recent Dtw : Not reported
Substance Released : CR, VOC

W96
South
1/4-1/2
2198 ft.

ACSCO PRODUCTS, INCORPORATED
313 N. LAKE ST.
BURBANK, CA 91502

CA SLIC S106484421
N/A

Site 1 of 2 in cluster W

Relative:
Lower

CA STATE SLIC :

Actual:
566 ft.

Global Id : SL603798591
Region : STATE
Assigned Name : SLIC SITE
Lead Agency Contact : UNASSIGNED
Lead Agency : LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number : 104.003
Responsible Party : MR. FRED GALLAWAY
Recent Dtw : Not reported
Substance Released : VOC

97
SE
1/4-1/2
2284 ft.

CONTINENTAL-HAGEN FACILIT
5 OLIVE
BURBANK, CA 91502

Cortese S104773276
LUST N/A

Relative:
Lower

State LUST:

Actual:
571 ft.

Cross Street: 001 ST STREET-FLOWER ST
Qty Leaked: Not reported
Case Number: 915020034
Reg Board: 4
Chemical: Gasoline
Lead Agency: Regional Board
Local Agency: 19007
Case Type: Other ground water affected
Status: Case Closed
Review Date: Not reported
Workplan: Not reported
Pollution Char: Not reported
Remed Action: Not reported
Monitoring: Not reported
Close Date: 2000-06-30 00:00:00
Release Date: Not reported
Cleanup Fund Id: Not reported
Discover Date: Not reported
Enforcement Dt: Not reported
Enf Type: Not reported
Enter Date: 1990-11-06 00:00:00
Funding: Not reported
Staff Initials: DB
How Discovered: Tank Closure
How Stopped: Not reported
Interim: Yes
Leak Cause: UNK
Leak Source: Tank
MTBE Date: 1965-01-01 00:0
Max MTBE GW: ND Parts per Billion

Confirm Leak: Not reported
Prelim Assess: Not reported
Remed Plan: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site



Database(s)
EDR ID Number
EPA ID Number

CONTINENTAL-HAGEN FACILIT (Continued)

S104773276

MTBE Tested: MTBE Detected. Site tested for MTBE & MTBE detected
Priority: 3A
Local Case #: 0
Beneficial: Not reported
Staff: AT
GW Qualifier: Not reported
Max MTBE Soil: 10 Parts per Million
Soil Qualifier: Not reported
Hydr Basin #: SAN FERNANDO VALLEY
Operator: OLD CASE 109.5310
Oversight Prgm: LUST
Review Date: 2000-10-20 00:00:00
Stop Date: Not reported
Work Suspended: Not reported
Responsible Party: CITY OF BURBANK
RP Address: P.O. BOX 6459, BURBANK, CA 91510-6459
Global Id: T0603702497
Org Name: Not reported
Contact Person: Not reported
MTBE Conc: 2
Mtb Fuel: 1
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 1
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported

LUST Region 4:

Report Date: 08/09/1990
Lead Agency: Regional Board
Local Agency: 19007
Substance: Gasoline
Case Type: Groundwater
Status: Case Closed
Region: 4
Staff: AT
Date Case Last Changed on Database:
Date Leak Record Entered:
Historical Max MTBE Date:
GW Qualifier:
Soil Qualifier:
Hist Max MTBE Conc In Groundwater:
Hist Max MTBE Conc In Soil :
County:
Organization :
Regional Board:
Owner Contact: Not reported
Responsible Party:
RP Address:
Significant Interim Remedial Action Taken:
Program :
Lat / Long :
Local Agency Staff:
Summary :

10/20/00
11/6/90
Not reported
Not reported
Not reported
Not reported
10
Los Angeles
Not reported
4

CITY OF BURBANK
P.O. BOX 6459, BURBANK, CA 91510-6459
Yes
LUST
34 / -118
DB
7SEP95SANWA BANK CALIFORNIA - RP? SOIL SAMPLES AT
VAPOR WELLBTX 3,480/34,600/37,600/140,000 PPB
(15JUN95 APPENDIX G) VAPOR CONCS TPH-G 46,000
PPM(V); BTEX 490/650/93/360 PPM(V) 11/06/90 CASE
ASSIGNED TO EGS;10/20/00 LETTER

Map ID
Direction
Distance
Distance (ft.)
Elevation Site



Database(s) EDR ID Number
EPA ID Number

CONTINENTAL-HAGEN FACILIT (Continued)

S104773276

Hydrologic Basin # : SAN FERNANDO VALLEY
Beneficial Use : Not reported
Priority : 3A
Cleanup Fund Id : Not reported
Suspended : Not reported
Local Case No : Not reported
Substance Quantity : 0
Abatement Method Used at the Site: Not reported
Operator : OLD CASE 109.5310
Water System : Not reported
Well Name : Not reported
Approx. Dist To Production Well (ft) : 592.7121619
Assigned Name : Not reported
Source of Cleanup Funding: Not reported
Date the Leak was Discovered: / /
How the Leak was Discovered: Tank Closure
How the Leak was Stopped: Not reported
Cause of Leak: UNK
Leak Source: Tank
Date The Leak was Stopped: Not reported
Date Confirmation Leak Began: Not reported
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: 11/6/90
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Date the Case was Closed: 6/30/00
Enforcement Action Date: Not reported
Date Leak First Reported: 08/09/1990
Enforcement Type: Not reported
Global ID : T0603702497
Cross Street : 001 ST STREET-FLOWER ST

CORTESE:

Region: CORTESE
Fac Address 2: Not reported

W98
South
1/4-1/2
2338 ft.

**L & M EDITORIAL
222 W. PALM AVE.
BURBANK, CA 91505**

**CA SLIC S106484797
N/A**

Relative:
Lower

Site 2 of 2 in cluster W

Actual:
565 ft.

CA STATE SLIC :

Global Id : SL603799002
Region : STATE
Assigned Name : SLICSITE
Lead Agency Contact : UNASSIGNED
Lead Agency : LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number : 109.6705
Responsible Party : BRIAN SAUNDERS
Recent Dtw : Not reported
Substance Released : CR, VOC

Map ID
Direction
Distance
Distance (ft.)
Elevation

Site

Database(s)

EDR ID Number
EPA ID Number

99
West
1/4-1/2
2475 ft.

ECOLA SERVICES
1207 ISABEL ST.
BURBANK, CA 91506

CA SLIC S106484782
N/A

Relative:
Higher

CA STATE SLIC :

Global Id : SL603798986
Region : STATE
Assigned Name : SLIC SITE
Lead Agency Contact : UNASSIGNED
Lead Agency : LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number : 109.5302
Responsible Party : UNKNOWN
Recent Dtw : Not reported
Substance Released : CR, VOC

100
South
1/4-1/2
2520 ft.

VERADYNE CORP.
330 N. VICTORY BLVD.
BURBANK, CA 91502

CA SLIC S106484787
N/A

Relative:
Lower

CA STATE SLIC :

Global Id : SL603798991
Region : STATE
Assigned Name : SLIC SITE
Lead Agency Contact : UNASSIGNED
Lead Agency : LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number : 109.6113
Responsible Party : UNKNOWN
Recent Dtw : Not reported
Substance Released : VOC

101
NW
1/2-1
2677 ft.

LOCKHEED PLANT B-1
17505 VICTORY PL
BURBANK, CA 91520

Cortese LUST S100228028
N/A

Relative:
Higher

State LUST:

Cross Street: Not reported
Qty Leaked: Not reported
Case Number: 915200034A
Reg Board: 4
Chemical: Gasoline
Lead Agency: Regional Board
Local Agency: 19007
Case Type: Soil only
Status: Leak being confirmed
Review Date: 2000-02-23 00:00:00
Workplan: Not reported
Pollution Char: Not reported
Remed Action: Not reported
Monitoring: Not reported
Close Date: Not reported
Release Date: Not reported
Cleanup Fund Id: Not reported
Discover Date: Not reported
Enforcement Dt: Not reported
Enf Type: Not reported
Enter Date: Not reported
Funding: Not reported

Confirm Leak: 2000-02-23 00:00:00
Prelim Assess: Not reported
Remed Plan: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site



Database(s) EDR ID Number
EPA ID Number

LOCKHEED PLANT B-1 (Continued)

S100228028

Staff Initials: DB
How Discovered: Not reported
How Stopped: Not reported
Interim : Not reported
Leak Cause: Not reported
Leak Source: Not reported
MTBE Date : Not reported
Max MTBE GW : Not reported
MTBE Tested: Site NOT Tested for MTBE.Includes Unknown and Not Analyzed.
Priority: Not reported
Local Case # : 0
Beneficial: Not reported
Staff : MB
GW Qualifier : Not reported
Max MTBE Soil : Not reported
Soil Qualifier : Not reported
Hydr Basin #: SAN FERNANDO VALLEY
Operator : Not reported
Oversight Prgm: LUST
Review Date : 2000-03-29 00:00:00
Stop Date : Not reported
Work Suspended : Not reported
Responsible Party: BLANK RP
RP Address: Not reported
Global Id: T0603702545
Org Name: Not reported
Contact Person: Not reported
MTBE Conc: 0
Mtbe Fuel: 1
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 1
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported

Cross Street: Not reported
Qty Leaked: Not reported
Case Number: 915200034
Reg Board: 4
Chemical: Solvents
Lead Agency: Regional Board
Local Agency : 19007
Case Type: Aquifer affected
Status: Case Closed
Review Date: Not reported
Workplan: Not reported
Pollution Char: Not reported
Remed Action: 1989-03-13 00:00:00
Monitoring: Not reported
Close Date: 1995-06-29 00:00:00
Release Date: Not reported
Cleanup Fund Id : Not reported
Discover Date : Not reported
Enforcement Dt : Not reported
Erf Type: Not reported
Enter Date : 1986-12-31 00:00:00
Funding: Not reported

Confirm Leak: Not reported
Prelim Assess: Not reported
Remed Plan: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation

Site

MAP FINDINGS

Database(s)

EDR ID Number
EPA ID Number

LOCKHEED PLANT B-1 (Continued)

S100228028

Staff Initials: DB
How Discovered: Not reported
How Stopped: Not reported
Interim : Not reported
Leak Cause: UNK
Leak Source: UNK
MTBE Date : Not reported
Max MTBE GW : Not reported
MTBE Tested: Not Required to be Tested.
Priority: Not reported
Local Case # : 0
Beneficial: Not reported
Staff : UNK
GW Qualifier : Not reported
Max MTBE Soil : Not reported
Soil Qualifier : Not reported
Hydr Basin #: SAN FERNANDO VALLEY
Operator : FAEDER, EDWARD J.
Oversight Prgm: LUST
Review Date : 1989-03-13 00:00:00
Stop Date : Not reported
Work Suspended: Not reported
Responsible Party: LOCKHEED AERONAUTICAL SYSTEMS
RP Address: PO BOX 551, BURBANK, CA 91520
Global Id: T0603702544
Org Name: Not reported
Contact Person: Not reported
MTBE Conc: 0
Mtb Fuel: 0
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported

LUST Region 4:

Report Date: 02/23/2000
Lead Agency: Regional Board
Local Agency: 19007
Substance: Gasoline
Case Type: Soil
Status: Leak being confirmed
Region: 4
Staff: MB
Date Case Last Changed on Database: 3/29/00
Date Leak Record Entered: Not reported
Historical Max MTBE Date: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil : Not reported
County: Los Angeles
Organization : Not reported
Regional Board: 4
Owner Contact: Not reported
Responsible Party: BLANK RP
RP Address: Not reported
Significant Interim Remedial Action Taken: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site



Database(s) EDR ID Number
EPA ID Number

LOCKHEED PLANT B-1 (Continued)

S100228028

Program :	LUST
Lat / Long :	34 / -118
Local Agency Staff:	DB
Summary :	Not reported
Hydrologic Basin # :	SAN FERNANDO VALLEY
Beneficial Use :	Not reported
Priority :	Not reported
Cleanup Fund Id :	Not reported
Suspended :	Not reported
Local Case No :	Not reported
Substance Quantity :	0
Abatement Method Used at the Site:	Not reported
Operator :	Not reported
Water System :	Not reported
Well Name :	Not reported
Approx. Dist To Production Well (ft) :	2607.942751
Assigned Name :	Not reported
Source of Cleanup Funding:	Not reported
Date the Leak was Discovered:	//
How the Leak was Discovered:	Not reported
How the Leak was Stopped:	Not reported
Cause of Leak:	Not reported
Leak Source:	Not reported
Date The Leak was Stopped:	Not reported
Date Confirmation Leak Began:	2/23/00
Preliminary Site Assessment Workplan Submitted:	Not reported
Preliminary Site Assessment Began:	Not reported
Pollution Characterization Began:	Not reported
Remediation Plan Submitted:	Not reported
Remedial Action Underway:	Not reported
Post Remedial Action Monitoring Began:	Not reported
Date the Case was Closed:	Not reported
Enforcement Action Date:	Not reported
Date Leak First Reported:	02/23/2000
Enforcement Type:	Not reported
Global ID :	T0603702645
Cross Street:	Not reported
Report Date:	11/18/1983
Lead Agency:	Regional Board
Local Agency:	19007
Substance:	Solvents
Case Type:	Specific tank leak that has contaminated an aquifer used for drinking water
Status:	Case Closed
Region:	4
Staff:	UNK
Date Case Last Changed on Database:	3/13/89
Date Leak Record Entered:	12/31/86
Historical Max MTBE Date:	Not reported
GW Qualifier:	Not reported
Soil Qualifier:	Not reported
Hist Max MTBE Conc In Groundwater:	Not reported
Hist Max MTBE Conc In Soil :	Not reported
County:	Los Angeles
Organization :	Not reported
Regional Board:	4
Owner Contact:	Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation

Site

Database(s)

EDR ID Number
EPA ID Number

LOCKHEED PLANT B-1 (Continued)

S100228028

Responsible Party:	LOCKHEED AERONAUTICAL SYSTEMS
RP Address:	PO BOX 551, BURBANK, CA 91520
Significant Interim Remedial Action Taken:	Not reported
Program :	LUST
Lat / Long :	34 / -118
Local Agency Staff:	DB
Summary :	THIS CASE WAS INITIATED BY RWQCB. SOIL AND GROUNDWATER CLEANUP UNDERWAY. AB-1803 UNIT 2 IS HANDLING OLD CASE #915200034
Hydrologic Basin # :	SAN FERNANDO VALLEY
Beneficial Use :	Not reported
Priority :	Not reported
Cleanup Fund Id :	Not reported
Suspended :	Not reported
Local Case No :	Not reported
Substance Quantity :	0
Abatement Method Used at the Site:	Not reported
Operator :	FAEDER, EDWARD J.
Water System :	Not reported
Well Name :	Not reported
Approx. Dist To Production Well (ft) :	1169.377851
Assigned Name :	Not reported
Source of Cleanup Funding:	Not reported
Date the Leak was Discovered:	/ /
How the Leak was Discovered:	Not reported
How the Leak was Stopped:	Not reported
Cause of Leak:	UNK
Leak Source:	UNK
Date The Leak was Stopped:	Not reported
Date Confirmation Leak Began:	Not reported
Preliminary Site Assessment Workplan Submitted:	Not reported
Preliminary Site Assessment Began:	Not reported
Pollution Characterization Began:	2/17/89
Remediation Plan Submitted:	Not reported
Remedial Action Underway:	3/13/89
Post Remedial Action Monitoring Began:	Not reported
Date the Case was Closed:	6/29/95
Enforcement Action Date:	Not reported
Date Leak First Reported:	11/18/1983
Enforcement Type:	Not reported
Global ID :	T0603702544
Cross Street:	Not reported

CORTESE:

Region: CORTESE
Fac Address 2: 17505 VICTORY PL

Region: CORTESE
Fac Address 2: 17505 VICTORY PL

Map ID
Direction
Distance
Distance (ft.)
Elevation Site



Database(s) EDR ID Number
EPA ID Number

102 KBC AMERICA INC.
WSW 730 N. MARIPOSA ST.
1/2-1 BURBANK, CA 91506
2722 ft.

CA SLIC S106484778
N/A

Relative: CA STATE SLIC :
Lower Global Id : SL603798982
Region : STATE
Actual: Assigned Name : SLIC SITE
583 ft. Lead Agency Contact : UNASSIGNED
Lead Agency : LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number : 109.5072
Responsible Party : UNKNOWN
Recent Dtw : Not reported
Substance Released : CR, VOC

X103 CIRCUIT CRAFT COMPANY
SE 205 FLOWER
1/2-1 BURBANK, CA 91502
2740 ft.

Cortese S105022950
N/A

Relative: Site 1 of 2 in cluster X
Lower CORTESE:
Region: CORTESE
Actual: Fac Address 2: Not reported
557 ft.

X104 GILDERFLUKE & CO.
SE 205 S. FLOWER ST.
1/2-1 BURBANK, CA 91502
2782 ft.

CA SLIC S106484781
N/A

Relative: Site 2 of 2 in cluster X
Lower CA STATE SLIC :
Global Id : SL603798985
Actual: Region : STATE
556 ft. Assigned Name : SLIC SITE
Lead Agency Contact : UNASSIGNED
Lead Agency : LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number : 109.5294
Responsible Party : UNKNOWN
Recent Dtw : Not reported
Substance Released : VOC

Y105 BURBANK FIRE STATION #11
East 353 OLIVE
1/2-1 BURBANK, CA 91502
2823 ft.

Cortese S105022952
N/A

Relative: Site 1 of 2 in cluster Y
Higher CORTESE:
Region: CORTESE
Actual: Fac Address 2: Not reported
639 ft.

Map ID
Direction
Distance
Distance (ft.)
Elevation

Site

Database(s)

EDR ID Number
EPA ID Number

Y106 BURBANK FIRE STATION #11
East 353 OLIVE AVE E
1/2-1 LOS ANGELES, CA 91502
2858 ft.

LUST S103945737
N/A

Relative: Site 2 of 2 in cluster Y
Higher

Actual:
641 ft

State LUST:

Cross Street: GLENOAKS

Qty Leaked: Not reported

Case Number 915020161

Reg Board: 4

Chemical: Gasoline

Lead Agency: Local Agency

Local Agency : 19007

Case Type: Soil only

Status: Preliminary site assessment workplan submitted

Review Date: Not reported

Confirm Leak: Not reported

Workplan: Not reported

Prelim Assess: Not reported

Pollution Char: Not reported

Remed Plan: Not reported

Remed Action: Not reported

Monitoring: Not reported

Close Date: Not reported

Release Date: Not reported

Cleanup Fund Id : Not reported

Discover Date : Not reported

Enforcement Dt : Not reported

Ent Type: Not reported

Enter Date : Not reported

Funding: Not reported

Staff Initials: DB

How Discovered: Repair Tank

How Stopped: Not reported

Interim : Not reported

Leak Cause: UNK

Leak Source: UNK

MTBE Date : Not reported

Max MTBE GW : Not reported

MTBE Tested: MTBE Detected. Site tested for MTBE & MTBE detected

Priority: Not reported

Local Case # : 0

Beneficial: Not reported

Staff : UNK

GW Qualifier : Not reported

Max MTBE Soil : ND Parts per Million

Soil Qualifier : Not reported

Hydr Basin #: SAN FERNANDO VALLEY

Operator : Not reported

Oversight Prgm: LUST

Review Date : 1999-07-27 00:00:00

Stop Date : Not reported

Work Suspended : Not reported

Responsible Party: CITY OF BURBANK

RP Address: 275 E. OLIVE AVE., BURBANK, CA 91502

Global Id: T0603702510

Org Name: Not reported

Contact Person: Not reported

MTBE Conc: 1

Mtbe Fuel: 1

Water System Name: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

BURBANK FIRE STATION #11 (Continued)

S103945737

Well Name: Not reported
Distance To Lust: 1
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported

LUST Region 4:

Report Date: 07/27/1999
Lead Agency: Local Agency
Local Agency: 19007
Substance: Gasoline
Case Type: Soil
Status: Preliminary site assessment workplan submitted
Region: 4
Staff: UNK
Date Case Last Changed on Database: 7/27/99
Date Leak Record Entered: Not reported
Historical Max MTBE Date: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: Not reported
County: Los Angeles
Organization: Not reported
Regional Board: 4
Owner Contact: Not reported
Responsible Party: CITY OF BURBANK
RP Address: 275 E. OLIVE AVE., BURBANK CA 91502
Significant Interim Remedial Action Taken: Not reported
Program: LUST
Lat / Long: 34 / -118
Local Agency Staff: DB
Summary: Not reported
Hydrologic Basin #: SAN FERNANDO VALLEY
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Local Case No: Not reported
Substance Quantity: 0
Abatement Method Used at the Site: Not reported
Operator: Not reported
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 1567.442227
Assigned Name: Not reported
Source of Cleanup Funding: Not reported
Date the Leak was Discovered: 01/27/1999
How the Leak was Discovered: TR
How the Leak was Stopped: Not reported
Cause of Leak: UNK
Leak Source: UNK
Date The Leak was Stopped: Not reported
Date Confirmation Leak Began: Not reported
Preliminary Site Assessment Workplan Submitted: 7/27/99
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: Not reported
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site



Database(s) EDR ID Number
EPA ID Number

BURBANK FIRE STATION #11 (Continued)

S103945737

Post Remedial Action Monitoring Began: Not reported
Date the Case was Closed: Not reported
Enforcement Action Date: Not reported
Date Leak First Reported: 07/27/1999
Enforcement Type: Not reported
Global ID : T0603702510
Cross Street: GLENOAKS

107
SSE
1/2-1
2879 ft.

CITY OF BURBANK PUBLIC WORKS DEPARTMENT
124 SOUTH LAKE STREET
BURBANK, CA 91502

RCRIS-LQG 1000161756
FINDS CAD982509416
Cortase
LUST

Relative:
Lower

RCRIS:

Owner: CITY OF BURBANK
(818) 953-3146

Actual:
556 ft.

EPA ID: CAD982509416

Contact: Not reported

Classification: Large Quantity Generator
TSDF Activities: Not reported

BIENNIAL REPORTS:

Last Biennial Reporting Year: 2001

<u>Waste</u>	<u>Quantity (Lbs)</u>	<u>Waste</u>	<u>Quantity (Lbs)</u>
D001	7680.00	D002	80.00
D039	1260.00	F001	260.00

Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system

State LUST:

Cross Street: OLIVE AVE
Qty Leaked: Not reported
Case Number: 915020061
Reg Board: 4
Chemical: 8
Lead Agency: Local Agency
Local Agency: 19007
Case Type: Soil only
Status: Case Closed
Abate Method: Excavate and Dispose - remove contaminated soil and dispose in approved site

Review Date:	Not reported	Confirm Leak:	Not reported
Workplan:	Not reported	Prelim Assess:	Not reported
Pollution Char:	Not reported	Remed Plan:	Not reported
Remed Action:	Not reported		
Monitoring:	Not reported		
Close Date:	1998-09-04 00:00:00		
Release Date:	Not reported		
Cleanup Fund Id:	Not reported		
Discover Date:	Not reported		
Enforcement Dt:	Not reported		
Enf Type:	Not reported		
Enter Date:	1998-01-13 00:00:00		
Funding:	Not reported		

Map ID
Direction
Distance
Distance (ft.)
Elevation Site



Database(s) EDR ID Number
EPA ID Number

CITY OF BURBANK PUBLIC WORKS DEPARTMENT (Continued)

1000161756

Staff Initials: DB
How Discovered: Tank Closure
How Stopped: Not reported
Interim: Not reported
Leak Cause: UNK
Leak Source: Piping
MTBE Date: Not reported
Max MTBE GW: Not reported
MTBE Tested: MTBE Detected. Site tested for MTBE & MTBE detected
Priority: Not reported
Local Case #: 0
Beneficial: Not reported
Staff: UNK
GW Qualifier: Not reported
Max MTBE Soil: 31 Parts per Million
Soil Qualifier: Not reported
Hydr Basin #: SAN FERNANDO VALLEY
Operator: RICHARD HARMON
Oversight Prgm: LUST
Review Date: 1998-09-04 00:00:00
Stop Date: Not reported
Work Suspended: Not reported
Responsible Party: CITY OF BURBANK
RP Address: 124 S. LAKE ST., BURBANK, CA 91502
Global Id: T0603702500
Org Name: Not reported
Contact Person: Not reported
MTBE Conc: 1
Mtbe Fuel: 0
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported

LUST Region 4:

Report Date: 11/19/1997
Lead Agency: Local Agency
Local Agency: 19007
Substance: 8
Case Type: Soil
Status: Case Closed
Region: 4
Staff: UNK
Date Case Last Changed on Database:
Date Leak Record Entered:
Historical Max MTBE Date:
GW Qualifier:
Soil Qualifier:
Hist Max MTBE Conc in Groundwater:
Hist Max MTBE Conc in Soil:
County:
Organization:
Regional Board:
Owner Contact: Not reported
Responsible Party:
RP Address:
Significant Interim Remedial Action Taken:

9/4/98
1/13/98
Not reported
Not reported
Not reported
Not reported
31
Los Angeles
Not reported
4
CITY OF BURBANK
124 S. LAKE ST., BURBANK, CA 91502
Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site



Database(s) EDR ID Number
EPA ID Number

CITY OF BURBANK PUBLIC WORKS DEPARMENT (Continued)

1000161756

Program : LUST
Lat / Long : 34 / -118
Local Agency Staff: DB
Summary : SOURCE OF SPILL CONTROLLED. CONTAMINATED SOIL
REMOVED/ISOLATED. PIPING SYSTEM REPLACEMENT
UNDERWAY. NO FURTHER ACTION NECESSARY.
SAN FERNANDO VALLEY
Hydrologic Basin # :
Beneficial Use : Not reported
Priority : Not reported
Cleanup Fund Id : Not reported
Suspended : Not reported
Local Case No : Not reported
Substance Quantity : 0
Abatement Method Used at the Site: Excavate and Dispose
Operator : RICHARD HARMON
Water System : Not reported
Well Name : Not reported
Approx. Dist To Production Well (ft) : 579.5658079
Assigned Name : Not reported
Source of Cleanup Funding: Not reported
Date the Leak was Discovered: 11/19/1997
How the Leak was Discovered: Tank Closure
How the Leak was Stopped: Not reported
Cause of Leak: UNK
Leak Source: Piping
Date The Leak was Stopped: 9/2/98
Date Confirmation Leak Began: Not reported
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: Not reported
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Date the Case was Closed: 9/4/98
Enforcement Action Date: Not reported
Date Leak First Reported: 11/19/1997
Enforcement Type: Not reported
Global ID : T0603702500
Cross Street: OLIVE AVE

CORTESE:

Region: CORTESE
Fac Address 2: 124 LAKE ST S

108
East
1/2-1
3053 ft.
CHEVRON
100 S GLENOAKS BLVD
BURBANK, CA 91502

UST U003776242
LUST N/A

Relative: LUST Region 7:
Higher
Lead Agency: Regional Board
Status: 9 - CASE CLOSED
Actual: Region: 7
651 ft. Case Num: 7T2262002
Case Worker: RT
ID : 608
Global ID : T0606501015
Substance : Unleaded gasoline

Map ID
Direction
Distance
Distance (ft.)
Elevation Site



Database(s) EDR ID Number
EPA ID Number

CHEVRON (Continued)

U003776242

State UST:
Facility ID: 009090
Region: STATE
Local Agency: 19007

109 BURBANK SOUND
SW 1321 W. MAGNOLIA BLVD.
1/2-1 BURBANK, CA 91506
3242 ft.

CA SLIC S106484780
N/A

Relative: **CA STATE SLIC :**
Lower Global Id : SL603798984
 Region : STATE
Actual: Assigned Name : SLICSITE
566 ft. Lead Agency Contact : UNASSIGNED
 Lead Agency : LOS ANGELES RWQCB (REGION 4)
 Lead Agency Case Number : 109.5212
 Responsible Party : UNKNOWN
 Recent Dtw : Not reported
 Substance Released : VOC

110 ABIDANK MNFG. COMP.
South 210 S. VICTORY BLVD.
1/2-1 BURBANK, CA 91502
3928 ft.

Notify 65 S100178003
N/A

Relative: **NOTIFY 65:**
Lower Date Reported: Not reported Staff Initials: Not reported
 Board File Number: Not reported
Actual: Facility Type: Not reported
547 ft. Discharge Date: Not reported
 Incident Description: 91502-2348

MAP FINDINGS - EDA PROJECT - SAN FRANCISCO, CALIF. - 1940S

YEAR	NAME	ADDRESS	CITY	ST	DIR.	DIST.	ELEV.	TYPE
1970	AUTHORIZED RADIATOR SERVICE	801 N SAN FERNANDO BLVD	BURBANK	CA	NNE	1/8-1/4	Higher	Automobile Radiator Repairs
1952	BARNHART K O	102 E MAGNOLIA BLVD	BURBANK	CA	ESE	1/8-1/4	Higher	Automobile Repainting
1952	BARNHART K O	102 E MAGNOLIA BLVD	BURBANK	CA	ESE	1/8-1/4	Higher	Automobile Repainting
1952	BARTON S SPOTTING & PRESSING SERVICE, 111	E MAGNOLIA BLVD	BURBANK	CA	ESE	1/8-1/4	Higher	Cleaners And Dyers
1952	BARTON S SPOTTING & PRESSING SERVICE, 111	E MAGNOLIA BLVD	BURBANK	CA	ESE	1/8-1/4	Higher	Cleaners And Dyers
1952	BURBANK RADIATOR SHOP	801 N SAN FERNANDO BLVD	BURBANK	CA	NNE	1/8-1/4	Higher	Radiator Repairs Automobile
1970	ERNIE S UNION	901 N SAN FERNANDO BLVD	BURBANK	CA	North	1/8-1/4	Higher	Gasoline Stations
1942	ESHBACH B K	907 N SAN FERNANDO BLVD	BURBANK	CA	NNE	1/8-1/4	Higher	Gasoline And Oil Service Stations
1942	ESHBACH B K	907 N SAN FERNANDO BLVD	BURBANK	CA	NNE	1/8-1/4	Higher	Gasoline And Oil Service Stations
1952	FRIEND S AUTOMOTIVE SERVICE	109 E BURBANK BLVD	BURBANK	CA	NW	1/8-1/4	Higher	Automobile Repainting
1952	FRIEND S AUTOMOTIVE SERVICE	109 E BURBANK BLVD	BURBANK	CA	NW	1/8-1/4	Higher	Automobile Repainting
1946	GALLIERS EDW	825 N SAN FERNANDO BLVD	BURBANK	CA	NNE	1/8-1/4	Higher	Gasoline And Oil Service Stations
1946	GALLIERS EDW	825 N SAN FERNANDO BLVD	BURBANK	CA	NNE	1/8-1/4	Higher	Gasoline And Oil Service Stations
1942	GROEBL HARRIS AUTOMOTIVE SERVICE	718-720 N SAN FERNANDO BLVD	BURBANK	CA	NNE	1/8-1/4	Higher	Automobile Repainting
1942	GROEBL HARRIS AUTOMOTIVE SERVICE	718-720 N SAN FERNANDO BLVD	BURBANK	CA	NNE	1/8-1/4	Higher	Automobile Repainting
1952	HARVEY S LAUNDERETTE	827 N SAN FERNANDO BLVD	BURBANK	CA	NNE	1/8-1/4	Higher	Laundries Self Serve
1952	HARVEY S LAUNDERETTE	827 N SAN FERNANDO BLVD	BURBANK	CA	NNE	1/8-1/4	Higher	Laundries Self Serve
1942	HAYS O L	825 N SAN FERNANDO BLVD	BURBANK	CA	NNE	1/8-1/4	Higher	Gasoline And Oil Service Stations
1942	HAYS O L	825 N SAN FERNANDO BLVD	BURBANK	CA	NNE	1/8-1/4	Higher	Gasoline And Oil Service Stations
1942	HOFFMAN R D	402 N FRONT ST	BURBANK	CA	SSE	1/8-1/4	Same	Automobile Repainting
1942	HOFFMAN R D	402 N FRONT	BURBANK	CA	SSE	1/8-1/4	Same	Automobile Repainting
1952	HOLLAND & CALLAHAN ASSOCIATED SERVICE, 605	N SAN FERNANDO BLVD	BURBANK	CA	ENE	1/8-1/4	Higher	Gasoline Stations
1952	HOLLAND & CALLAHAN ASSOCIATED SERVICE, 605	N SAN FERNANDO BLVD	BURBANK	CA	ENE	1/8-1/4	Higher	Gasoline Stations
1952	HOLMES M W AUTO ELECTRIC SERVICE	132 E MAGNOLIA BLVD	BURBANK	CA	ESE	1/8-1/4	Higher	Automobile Repainting
1952	HOLMES M W AUTO ELECTRIC SERVICE	132 E MAGNOLIA BLVD	BURBANK	CA	ESE	1/8-1/4	Higher	Automobile Repainting
1946	HOLMES M W AUTO ELECTRIC SERVICE	807 N SAN FERNANDO BLVD	BURBANK	CA	NNE	1/8-1/4	Higher	Gasoline And Oil Service Stations
1946	HOLMES M W AUTO ELECTRIC SERVICE	807 N SAN FERNANDO BLVD	BURBANK	CA	NNE	1/8-1/4	Higher	Gasoline And Oil Service Stations
1952	IGILEY S MOBIL SERVICE	801 N SAN FERNANDO BLVD	BURBANK	CA	North	1/8-1/4	Higher	Gasoline Stations
1952	IGILEY S MOBIL SERVICE	801 N SAN FERNANDO BLVD	BURBANK	CA	North	1/8-1/4	Higher	Gasoline Stations
1952	JERRY S UNION SERVICE	901 N SAN FERNANDO BLVD	BURBANK	CA	NNE	1/8-1/4	Higher	Automobile Lubrication
1952	JERRY S UNION SERVICE	901 N SAN FERNANDO BLVD	BURBANK	CA	NNE	1/8-1/4	Higher	Automobile Lubrication
1946	LEPPER BILL MOTORS	800 N SAN FERNANDO BLVD	BURBANK	CA	SE	1/8-1/4	Higher	Gasoline And Oil Service Stations
1942	MC MASTER B A	5 E MAGNOLIA BLVD	BURBANK	CA	SE	1/8-1/4	Higher	Gasoline And Oil Service Stations
1942	MC MASTER B A	5 E MAGNOLIA BLVD	BURBANK	CA	SE	1/8-1/4	Higher	Gasoline And Oil Service Stations
1946	MEADOWS J R MRS	711 N SAN FERNANDO BLVD	BURBANK	CA	NE	1/8-1/4	Higher	Clothes Pressers And Cleaners
1946	MEADOWS J R MRS	711 N SAN FERNANDO BLVD	BURBANK	CA	NE	1/8-1/4	Higher	Clothes Pressers And Cleaners
1942	MORSE GEORGIA M	711 N SAN FERNANDO BLVD	BURBANK	CA	NE	1/8-1/4	Higher	Clothes Pressers And Cleaners
1942	MORSE GEORGIA M	711 N SAN FERNANDO BLVD	BURBANK	CA	NE	1/8-1/4	Higher	Clothes Pressers And Cleaners
1970	OZZIE S RADIATOR SHOP	801 N SAN FERNANDO BLVD	BURBANK	CA	NNE	1/8-1/4	Higher	Automobile Radiator Repairs
1942	PALMER N H	111 E MAGNOLIA BLVD	BURBANK	CA	ESE	1/8-1/4	Higher	Clothes Pressers And Cleaners
1942	PALMER N H	111 E MAGNOLIA BLVD	BURBANK	CA	ESE	1/8-1/4	Higher	Clothes Pressers And Cleaners
1952	PALMERS NED CLEANERS	111 E MAGNOLIA BLVD	BURBANK	CA	ESE	1/8-1/4	Higher	Cleaners And Dyers
1952	PALMERS NED CLEANERS	111 E MAGNOLIA BLVD	BURBANK	CA	ESE	1/8-1/4	Higher	Cleaners And Dyers
1946	PARKS J B	57 E MAGNOLIA BLVD	BURBANK	CA	ESE	1/8-1/4	Higher	Automobile Repainting
1946	PARKS J B	57 E MAGNOLIA BLVD	BURBANK	CA	ESE	1/8-1/4	Higher	Automobile Repainting
1952	REDIGER AL SERVICE	102 E MAGNOLIA BLVD	BURBANK	CA	ESE	1/8-1/4	Higher	Gasoline Stations

UNRECORDED - BURBANK PROPERTY HISTORY - BURBANK

YEAR	NAME	ADDRESS	CITY	ST	DIR.	DIST.	ELEV.	TYPE
1952	REDIGER AL SERVICE	102 E MAGNOLIA BLVD	BURBANK	CA	ESE	1/8-1/4	Higher	Gasoline Stations
1946	TUCKER C E	111 E MAGNOLIA BLVD	BURBANK	CA	ESE	1/8-1/4	Higher	Clothes Pressers And Cleaners
1946	TUCKER C E	111 E MAGNOLIA BLVD	BURBANK	CA	ESE	1/8-1/4	Higher	Clothes Pressers And Cleaners
1946	WARREN LEE	58 E MAGNOLIA BLVD	BURBANK	CA	ESE	1/8-1/4	Higher	Automobile Repairing
1946	WARREN LEE	58 E MAGNOLIA BLVD	BURBANK	CA	ESE	1/8-1/4	Higher	Automobile Repairing
1952	ACME RADIATOR	1024 VICTORY PL	BURBANK	CA	WNW	1/4-1/2	Higher	Radiator Repairers Automobile
1952	APOPIAN GEO	1000 VICTORY PL	BURBANK	CA	WNW	1/4-1/2	Higher	Gasoline Stations
1946	BAILEY M J	251 N SAN FERNANDO BLVD	BURBANK	CA	ESE	1/4-1/2	Higher	Gasoline And Oil Service Stations
1946	BAILEY M J	251 N SAN FERNANDO BLVD	BURBANK	CA	ESE	1/4-1/2	Higher	Gasoline And Oil Service Stations
1970	BUD S CLEENCRRAFT CLEANERS	661 N VICTORY BLVD	BURBANK	CA	SW	1/4-1/2	Higher	Cleaners And Dyers
1970	BUD S CLEENCRRAFT CLEANERS	661 N VICTORY BLVD	BURBANK	CA	SW	1/4-1/2	Higher	Cleaners And Dyers
1970	BUD S CLEENCRRAFT CLEANERS	661 N VICTORY BLVD	BURBANK	CA	SW	1/4-1/2	Higher	Cleaners And Dyers
1952	BURBANK VICTORY CENTER SUPER SERVICE, 1002	W VICTORY BLVD	BURBANK	CA	WNW	1/4-1/2	Higher	Gasoline Stations
1952	BURBANK VICTORY CENTER SUPER SERVICE, 1002	W VICTORY BLVD	BURBANK	CA	WNW	1/4-1/2	Higher	Gasoline Stations
1952	CHAMELLE CLEANERS	921 W BURBANK BLVD	BURBANK	CA	WNW	1/4-1/2	Higher	Cleaners And Dyers
1952	CHAMELLE CLEANERS	921 W BURBANK BLVD	BURBANK	CA	WNW	1/4-1/2	Higher	Cleaners And Dyers
1942	COY A A	305 N SAN FERNANDO BLVD	BURBANK	CA	WNW	1/4-1/2	Higher	Automobile Repairing
1942	COY A A	305 N SAN FERNANDO BLVD	BURBANK	CA	WNW	1/4-1/2	Higher	Automobile Repairing
1942	COYLE J H	305 N SAN FERNANDO BLVD	BURBANK	CA	East	1/4-1/2	Higher	Automobile Repairing
1942	COYLE J H	305 N SAN FERNANDO BLVD	BURBANK	CA	East	1/4-1/2	Higher	Automobile Repairing
1946	DILLON R F	305 N SAN FERNANDO BLVD	BURBANK	CA	East	1/4-1/2	Higher	Automobile Repairing
1946	DILLON R F	305 N SAN FERNANDO BLVD	BURBANK	CA	East	1/4-1/2	Higher	Automobile Repairing
1942	EVANS R S	1003 W VICTORY BLVD	BURBANK	CA	WNW	1/4-1/2	Higher	Gasoline And Oil Service Stations
1942	EVANS R S	1003 W VICTORY BLVD	BURBANK	CA	WNW	1/4-1/2	Higher	Gasoline And Oil Service Stations
1942	FINO SERVICE STATION	305 N SAN FERNANDO BLVD	BURBANK	CA	WNW	1/4-1/2	Higher	Automobile Laundries
1942	FINO SERVICE STATION	221 W MAGNOLIA BLVD	BURBANK	CA	South	1/4-1/2	Lower	Gasoline And Oil Service Stations
1970	FLOYD S MIKE GARAGE	221 W MAGNOLIA BLVD	BURBANK	CA	South	1/4-1/2	Lower	Gasoline And Oil Service Stations
1970	FLOYD S MIKE GARAGE	225 N 1ST ST	BURBANK	CA	ESE	1/4-1/2	Higher	Automobile Repairing
1970	FLOYD S MIKE GARAGE	225 N 1ST ST	BURBANK	CA	ESE	1/4-1/2	Higher	Automobile Repairing
1930	GLENDALE AUTO LAUNDRY	1121 S SAN FERNANDO BLVD	GLENDALE	CA	NNW	1/4-1/2	Higher	Service Stations (Gasoline And Oil)
1937	HALLESON N A	125 E ORANGE GROVE AVE	PASADENA	CA	ESE	1/4-1/2	Higher	Automobile Repairing
1942	HOLMES M W	317 N SAN FERNANDO BLVD	PASADENA	CA	ESE	1/4-1/2	Higher	Automobile Repairing
1942	HOLMES M W	317 N SAN FERNANDO BLVD	BURBANK	CA	East	1/4-1/2	Higher	Automobile Repairing
1942	HURD H H	501 N SAN FERNANDO BLVD	BURBANK	CA	East	1/4-1/2	Higher	Gasoline And Oil Service Stations
1942	HURD H H	501 N SAN FERNANDO BLVD	BURBANK	CA	East	1/4-1/2	Higher	Gasoline And Oil Service Stations
1942	INDEPENDENT SUPER SERVICE	305 N SAN FERNANDO BLVD	BURBANK	CA	East	1/4-1/2	Higher	Gasoline And Oil Service Stations
1942	INDEPENDENT SUPER SERVICE	305 N SAN FERNANDO BLVD	BURBANK	CA	East	1/4-1/2	Higher	Gasoline And Oil Service Stations
1946	KARACAND G J	281 E SAN JOSE AVE	BURBANK	CA	ENE	1/4-1/2	Higher	Clothes Pressers And Cleaners
1946	KARACAND G J	281 E SAN JOSE AVE	BURBANK	CA	ENE	1/4-1/2	Higher	Clothes Pressers And Cleaners
1961	LAUNDROMAT	120 E ORANGE GROVE AVE	PASADENA	CA	ESE	1/4-1/2	Higher	Laundries Self Service
1942	LE VAN FRANK	251 N SAN FERNANDO BLVD	BURBANK	CA	ESE	1/4-1/2	Higher	Gasoline And Oil Service Stations
1942	LE VAN FRANK	251 N SAN FERNANDO BLVD	BURBANK	CA	ESE	1/4-1/2	Higher	Gasoline And Oil Service Stations
1970	LEONARD S SUPER SERVICE	641 N VICTORY BLVD	BURBANK	CA	SW	1/4-1/2	Higher	Gasoline Stations
1970	LEONARD S SUPER SERVICE	641 N VICTORY BLVD	BURBANK	CA	SW	1/4-1/2	Higher	Gasoline Stations
1970	LEONARD S SUPER SERVICE	841 N VICTORY BLVD	BURBANK	CA	SW	1/4-1/2	Higher	Gasoline Stations
1942	LOGAN J L	1003 W VICTORY BLVD	BURBANK	CA	WNW	1/4-1/2	Higher	Gasoline And Oil Service Stations



YEAR	NAME	ADDRESS	CITY	ST	DIR.	DIST.	ELEV.	TYPE
1942	LOGAN J L	1003 W VICTORY BLVD	BURBANK	CA	WNW	1/4-1/2	Higher	Gasoline And Oil Service Stations
1970	M & C AUTOMOTIVE	1000 W VICTORY BLVD	BURBANK	CA	WNW	1/4-1/2	Higher	Automobile Repairing
1970	M & C AUTOMOTIVE	1000 W VICTORY BLVD	BURBANK	CA	WNW	1/4-1/2	Higher	Automobile Repairing
1970	ME AFEE JACK MOTORS INC	1020 W CHESTNUT ST	BURBANK	CA	WSW	1/4-1/2	Higher	Automobile Repairing
1970	ME AFEE JACK MOTORS INC	1020 W CHESTNUT ST	BURBANK	CA	WSW	1/4-1/2	Higher	Automobile Repairing
1942	NELSON H E	125 E ORANGE GROVE AV	PASADENA	CA	ESE	1/4-1/2	Higher	Automobile Repairing
1937	ORANGE GROVE AUTO SERVICE	112 E ORANGE GROVE AVE	PASADENA	CA	ESE	1/4-1/2	Higher	Automobile Repairing
1946	OSKAMP JOHN	69 E PALM AV	BURBANK	CA	ESE	1/4-1/2	Higher	Automobile Repairing
1946	OSKAMP JOHN	69 E PALM AVE	BURBANK	CA	ESE	1/4-1/2	Higher	Automobile Repairing
1942	OSKAMP JOHN	69 E PALM AV	BURBANK	CA	ESE	1/4-1/2	Higher	Automobile Repairing
1942	OSKAMP JOHN	69 E PALM AVE	BURBANK	CA	ESE	1/4-1/2	Higher	Automobile Repairing
1942	PLANTER HARRY	806 N VICTORY BLVD	BURBANK	CA	WSW	1/4-1/2	Higher	Gasoline And Oil Service Stations
1942	PLANTER HARRY	806 N VICTORY BLVD	BURBANK	CA	WSW	1/4-1/2	Higher	Gasoline And Oil Service Stations
1970	RAY S UNION SERVICE	900 W BURBANK BLVD	BURBANK	CA	WNW	1/4-1/2	Higher	Gasoline Stations
1970	RAY S UNION SERVICE	900 W BURBANK BLVD	BURBANK	CA	WNW	1/4-1/2	Higher	Gasoline Stations
1970	RAY'S UNION SERVICE	900 W BURBANK BLVD	BURBANK	CA	WNW	1/4-1/2	Higher	Gasoline Stations
1970	ROGER S CLEANERS	271 E PALM AVE	BURBANK	CA	WNW	1/4-1/2	Higher	Cleaners And Dyers
1970	ROGER S CLEANERS	271 E PALM AV	BURBANK	CA	ESE	1/4-1/2	Higher	Cleaners And Dyers
1970	ROGER S LAUNDROMAT	271 E PALM AV	BURBANK	CA	ESE	1/4-1/2	Higher	Laundries Self Serve
1970	ROGER S LAUNDROMAT	271 E PALM AVE	BURBANK	CA	ESE	1/4-1/2	Higher	Laundries Self Serve
1970	ROGER'S CLEANERS	271 E PALM	BURBANK	CA	ESE	1/4-1/2	Higher	Laundries Self Serve
1970	ROGER'S LAUNDROMAT	271 E PALM AVE	BURBANK	CA	ESE	1/4-1/2	Higher	Laundries Self Serve
1970	ROGER'S LAUNDROMAT	271 E PALM AVE	BURBANK	CA	ESE	1/4-1/2	Higher	Laundries Self Serve
1970	SAUBERAN S LLOYD J STANDARD STATION	923 W BURBANK BLVD	BURBANK	CA	WNW	1/4-1/2	Higher	Gasoline Stations
1970	SAUBERAN S LLOYD J STANDARD STATION	923 W BURBANK BLVD	BURBANK	CA	WNW	1/4-1/2	Higher	Gasoline Stations
1970	SAUBERAN S LLOYD J STANDARD STATION	923 W BURBANK BLVD	BURBANK	CA	WNW	1/4-1/2	Higher	Gasoline Stations
1932	SERVEY C D	112 E ORANGE GROVE AV	PASADENA	CA	ESE	1/4-1/2	Higher	Automobile Repairing
1932	SERVEY C D	112 E ORANGE GROVE AVE	PASADENA	CA	ESE	1/4-1/2	Higher	Automobile Repairing
1942	SERVEY CLYDE	112 E ORANGE GROVE AV	PASADENA	CA	ESE	1/4-1/2	Higher	Automobile Repairing
1932	SHELTON WARD SERVICE	221 W MAGNOLIA BLVD	BURBANK	CA	South	1/4-1/2	Lower	Gasoline Stations
1932	SHELTON WARD SERVICE	221 W MAGNOLIA BLVD	BURBANK	CA	South	1/4-1/2	Lower	Gasoline Stations
1932	SHEPPARD J M UNION SERVICE	900 W BURBANK BLVD	BURBANK	CA	WNW	1/4-1/2	Higher	Gasoline Stations
1932	SHEPPARD J M UNION SERVICE	900 W BURBANK BLVD	BURBANK	CA	WNW	1/4-1/2	Higher	Gasoline Stations
1942	STANDARD STATIONS	349 N SAN FERNANDO BLVD	BURBANK	CA	ESE	1/4-1/2	Higher	Gasoline And Oil Service Stations
1942	SUMMIT SERVICE STATION	129 E ORANGE GROVE AV	PASADENA	CA	ESE	1/4-1/2	Higher	Gasoline And Oil Service Stations
1942	UNION OIL CO	900 W BURBANK BLVD	BURBANK	CA	WNW	1/4-1/2	Higher	Gasoline And Oil Service Stations
1942	UNION OIL CO	900 W BURBANK BLVD	BURBANK	CA	WNW	1/4-1/2	Higher	Gasoline And Oil Service Stations
1970	WASH A MATIC SELF SERVICE LAUNDRY	669 N VICTORY BLVD	BURBANK	CA	SW	1/4-1/2	Higher	Laundries Self Serve
1970	WASH A MATIC SELF SERVICE LAUNDRY	669 N VICTORY BLVD	BURBANK	CA	SW	1/4-1/2	Higher	Laundries Self Serve
1970	WASH A MATIC SELF SERVICE LAUNDRY	669 N VICTORY BLVD	BURBANK	CA	SW	1/4-1/2	Higher	Laundries Self Serve
1952	YOUNG S RICHFIELD SERVICE	501 N SAN FERNANDO BLVD	BURBANK	CA	East	1/4-1/2	Higher	Gasoline Stations
1952	YOUNG S RICHFIELD SERVICE	501 N SAN FERNANDO BLVD	BURBANK	CA	East	1/4-1/2	Higher	Gasoline Stations

Coal Gas Site Search: No site was found in a search of Real Property Scan's ENVIROHAZ databases.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
BURBANK	S106484798	BURBANK GATEWAY CENTER	0 3RD / MAGNOLIA BLVD.	91502	CA SLIC
BURBANK	S106085443	CITY OF BURBANK - SAFETY OFFICE	124 / 148 S SAN FERNANDO	91502	HAZNET
BURBANK	S106090928	RASMUSSEN'S GARAGE	110 8-W BURBANK BLVD	91502	HAZNET
BURBANK	S102003087	CITY OF BURBANK	CORNER OF BURBANK BLVD /		HAZNET
BURBANK	S104570480	UNION PACIFIC RAILROAD	CORNER OF LAKE / MAGNOLIA		HAZNET
BURBANK	S106483378	FORMER MENASCO AEROSPACE	FIRST / CEDAR STS		CA SLIC
BURBANK	S101480081	RAIL CHEMICAL DIVISION	201 FRONT STREET	91502	REF
BURBANK	S104572517	METRO LINK STATION	415 N. FRONT ST.	91502	HAZNET
BURBANK	S106484779	HYRAIL	7040 N LAKE ST	91502	CA SLIC
BURBANK	S106103480	BURBANK WWRP	7040 N LAKE ST	91502	CA WDS
BURBANK	S106103482	BURBANK WWRP	LOCKHEED FACILITY	91502	CA WDS
BURBANK	91205089	LOCKHEED FACILITY	52-56 MAGNOLIA		ERNS
BURBANK	S103663313	GULVIN ENTERPRISES	120 MAGNOLIA	91502	HAZNET
BURBANK	S105084879	BURBANK ENTERTAINMENT LLC	1220 WEST ORANGE AVENUE	91502	HAZNET
BURBANK	S106090857	DISNEY ELEMENTARY SCHOOL	1121 SAN FERNANDO RD		HAZNET
BURBANK	1000200495	CELEBRITY DRYCLEANERS		91504	RCRIS-SQG, FINDS, HAZNET, CLEANERS
BURBANK	1007200825	STAINLESS STEEL PRODUCTS	2860 N SAN FERNANDO	91504	RCRIS-SQG
BURBANK	S106167172	VISTA CLEANERS	2411 N SAN FERNANDO RD	91504	CLEANERS
BURBANK	S106245506	DBA BURBANK MARINE	3234 N SAN FERNANDO BLVD	91504	CLEANERS
BURBANK	S106484440	IMAGE LABORATORIES	3611 N. SAN FERNANDO BLVD.	91504	CA SLIC
BURBANK	S106484449	KAHR BEARING-SARGENT/FLETCHER	3610 N. SAN FERNANDO BLVD.	91504	CA SLIC
BURBANK	S106484450	AUTO MATTERS	2812 N. SAN FERNANDO BLVD.	91504	CA SLIC
BURBANK	S106484452	STAINLESS STEEL PRODUCTS INC.	2880 N. SAN FERNANDO BLVD.	91504	CA SLIC
BURBANK	S106484468	PREMIER DRY CLEANING	3238 N. SAN FERNANDO BLVD.	91504	CA SLIC
BURBANK	S105084734	COMPULSION INC/TRAFFIC	805 SAN FERNANDO RD STAGE 5	91502	HAZNET
BURBANK	S106090984	CITY OF BURBANK	152 SAN FERNANDO RD	91502	HAZNET
BURBANK	S106245784	MENASCO MFG CO (EIS USE)	SAN FERNANDO/ST / CEDAR/PROVIND	91502	EMI
BURBANK	U001566337	FIRESTONE STORES	601 SAN FERNANDO RD.	91502	HIST UST
BURBANK	S106484445	LOCKHEED PLANT B1	1705 VICTORY PL.	91504	CA SLIC
BURBANK	S100625804	CAL GREEN AUTO BODY INC	10205 VICTORY BL	91502	HAZNET
BURBANK	S105954444	IPPOLITO ESTATE	1714 / 1420 STANDARD AVE.	91201	Cal-Sites
GLENDALE	S105632075		BUILDING #8 LONG BEACH NAVAL		CHMIRS, LUST
LOS ANGELES COUNTY			3 MI W E O BURBANK	91502	HIST UST
VERDUGO PEAK	U001568246	PACIFIC BELL (#3-102)			

EPA Waste Codes Appendix

Code	Description
D001	IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.
D002	A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.
D007	CHROMIUM
D039	TETRACHLOROETHYLENE
F001	THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLOROETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE, AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
F006	WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

- **Elapsed ASTM days:** Provides confirmation that this EDR report meets or exceeds the 90-day updating requirement of the ASTM standard.

FEDERAL ASTM STANDARD RECORDS

NPL: National Priority List

Source: EPA

Telephone: N/A

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 07/30/04

Date Made Active at EDR: 09/09/04

Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 08/03/04

Elapsed ASTM days: 37

Date of Last EDR Contact: 08/03/04

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)

Telephone: 202-564-7333

EPA Region 1

Telephone 617-918-1143

EPA Region 6

Telephone: 214-655-6659

EPA Region 3

Telephone 215-814-5418

EPA Region 8

Telephone: 303-312-6774

EPA Region 4

Telephone 404-562-8033

Proposed NPL: Proposed National Priority List Sites

Source: EPA

Telephone: N/A

Date of Government Version: 07/22/04

Date Made Active at EDR: 09/09/04

Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 08/03/04

Elapsed ASTM days: 37

Date of Last EDR Contact: 08/03/04

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

Source: EPA

Telephone: 703-413-0223

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 05/17/04

Date Made Active at EDR: 08/10/04

Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 06/23/04

Elapsed ASTM days: 48

Date of Last EDR Contact: 09/21/04

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Source: EPA

Telephone: 703-413-0223

As of February 1995, CERCLIS sites designated "No Further Remedial Action Planned" (NFRAP) have been removed from CERCLIS. NFRAP sites may be sites where, following an initial investigation, no contamination was found, contamination was removed quickly without the need for the site to be placed on the NPL, or the contamination was not serious enough to require Federal Superfund action or NPL consideration. EPA has removed approximately 25,000 NFRAP sites to lift the unintended barriers to the redevelopment of these properties and has archived them as historical records so EPA does not needlessly repeat the investigations in the future. This policy change is part of the EPA's Brownfields Redevelopment Program to help cities, states, private investors and affected citizens to promote economic redevelopment of unproductive urban sites.

Date of Government Version: 05/17/04
Date Made Active at EDR: 08/10/04
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 06/23/04
Elapsed ASTM days: 48
Date of Last EDR Contact: 09/21/04

CORRACTS: Corrective Action Report

Source: EPA

Telephone: 800-424-9346

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 06/15/04
Date Made Active at EDR: 08/10/04
Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 06/25/04
Elapsed ASTM days: 46
Date of Last EDR Contact: 09/07/04

RCRIS: Resource Conservation and Recovery Information System

Source: EPA

Telephone: 800-424-9346

Resource Conservation and Recovery Information System. RCRIS includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs): generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month. Small quantity generators (SQGs): generate between 100 kg and 1,000 kg of hazardous waste per month. Large quantity generators (LQGs): generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. Transporters are individuals or entities that move hazardous waste from the generator off-site to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 06/15/04
Date Made Active at EDR: 07/20/04
Database Release Frequency: Varies

Date of Data Arrival at EDR: 06/23/04
Elapsed ASTM days: 27
Date of Last EDR Contact: 08/24/04

ERNS: Emergency Response Notification System

Source: National Response Center, United States Coast Guard

Telephone: 202-260-2342

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/31/03
Date Made Active at EDR: 03/12/04
Database Release Frequency: Annually

Date of Data Arrival at EDR: 01/26/04
Elapsed ASTM days: 46
Date of Last EDR Contact: 07/26/04

FEDERAL ASTM SUPPLEMENTAL RECORDS

BRS: Biennial Reporting System

Source: EPANTIS

Telephone: 800-424-9346

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/01/01
Database Release Frequency: Biennially

Date of Last EDR Contact: 09/20/04
Date of Next Scheduled EDR Contact: 12/13/04

CONSENT: Superfund (CERCLA) Consent Decrees

Source: Department of Justice, Consent Decree Library

Telephone: Varies

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 03/05/04
Database Release Frequency: Varies

Date of Last EDR Contact: 07/30/04
Date of Next Scheduled EDR Contact: 10/25/04

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ROD: Records Of Decision

Source: EPA

Telephone: 703-416-0223

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 06/07/04

Database Release Frequency: Annually

Date of Last EDR Contact: 07/07/04

Date of Next Scheduled EDR Contact: 10/04/04

DELISTED NPL: National Priority List Deletions

Source: EPA

Telephone: N/A

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 07/30/04

Database Release Frequency: Quarterly

Date of Last EDR Contact: 06/03/04

Date of Next Scheduled EDR Contact: 11/01/04

FINDS: Facility Index System/Facility Identification Initiative Program Summary Report

Source: EPA

Telephone: N/A

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 04/08/04

Database Release Frequency: Quarterly

Date of Last EDR Contact: 07/06/04

Date of Next Scheduled EDR Contact: 10/04/04

HMIRS: Hazardous Materials Information Reporting System

Source: U.S. Department of Transportation

Telephone: 202-366-4555

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 02/17/04

Database Release Frequency: Annually

Date of Last EDR Contact: 04/20/04

Date of Next Scheduled EDR Contact: 07/19/04

MLTS: Material Licensing Tracking System

Source: Nuclear Regulatory Commission

Telephone: 301-415-7169

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 07/15/04

Database Release Frequency: Quarterly

Date of Last EDR Contact: 07/06/04

Date of Next Scheduled EDR Contact: 10/04/04

MINE6: Mines Master Index File

Source: Department of Labor, Mine Safety and Health Administration

Telephone: 303-231-5959

Date of Government Version: 06/04/04

Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 09/28/04

Date of Next Scheduled EDR Contact: 12/27/04

NPL LIENS: Federal Superfund Liens

Source: EPA

Telephone: 202-564-4267

Federal Superfund Liens. Under the authority granted the USEPA by the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner receives notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/91
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 08/23/04
Date of Next Scheduled EDR Contact: 11/22/04

PADS: PCB Activity Database System

Source: EPA

Telephone: 202-564-3887

PCB Activity Database. PADS identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 06/29/04
Database Release Frequency: Annually

Date of Last EDR Contact: 08/10/04
Date of Next Scheduled EDR Contact: 11/08/04

DOD: Department of Defense Sites

Source: USGS

Telephone: 703-692-8801

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 10/01/03
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 08/12/04
Date of Next Scheduled EDR Contact: 11/08/04

INDIAN RESERV: Indian Reservations

Source: USGS

Telephone: 202-208-3710

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 10/01/03
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 08/12/04
Date of Next Scheduled EDR Contact: 11/08/04

FUDS: Formerly Used Defense Sites

Source: U.S. Army Corps of Engineers

Telephone: 202-528-4285

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 12/31/03
Database Release Frequency: Varies

Date of Last EDR Contact: 07/06/04
Date of Next Scheduled EDR Contact: 10/04/04

STORMWATER: Storm Water General Permits

Source: Environmental Protection Agency

Telephone: 202-564-0746

A listing of all facilities with Storm Water General Permits.

Date of Government Version: 02/04/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 07/06/04
Date of Next Scheduled EDR Contact: 10/04/04

RMP: Risk Management Plans

Source: Environmental Protection Agency

Telephone: 202-564-8600

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g. the fire department) should an accident occur.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 05/27/04
Database Release Frequency: Varies

Date of Last EDR Contact: 08/23/04
Date of Next Scheduled EDR Contact: 11/22/04

UMTRA: Uranium Mill Tailings Sites
Source: Department of Energy
Telephone: 505-845-0011

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized. In 1978, 24 inactive uranium mill tailings sites in Oregon, Idaho, Wyoming, Utah, Colorado, New Mexico, Texas, North Dakota, South Dakota, Pennsylvania, and on Navajo and Hopi tribal lands, were targeted for cleanup by the Department of Energy.

Date of Government Version: 04/22/04
Database Release Frequency: Varies

Date of Last EDR Contact: 09/20/04
Date of Next Scheduled EDR Contact: 12/20/04

ODI: Open Dump Inventory
Source: Environmental Protection Agency
Telephone: 800-424-9346

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/85
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 05/23/95
Date of Next Scheduled EDR Contact: N/A

RAATS: RCRA Administrative Action Tracking System
Source: EPA
Telephone: 202-564-4104

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/95
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 09/07/04
Date of Next Scheduled EDR Contact: 12/06/04

TRIS: Toxic Chemical Release Inventory System
Source: EPA
Telephone: 202-566-0250

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/02
Database Release Frequency: Annually

Date of Last EDR Contact: 09/20/04
Date of Next Scheduled EDR Contact: 12/20/04

TSCA: Toxic Substances Control Act
Source: EPA
Telephone: 202-260-5521

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/02
Database Release Frequency: Every 4 Years

Date of Last EDR Contact: 09/07/04
Date of Next Scheduled EDR Contact: 12/06/04

FTTS INSP: FIFRA/TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
Source: EPA
Telephone: 202-564-2501

Date of Government Version: 04/13/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 09/07/04
Date of Next Scheduled EDR Contact: 12/20/04

SSTS: Section 7 Tracking Systems

Source: EPA

Telephone: 202-564-5008

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/01
Database Release Frequency: Annually

Date of Last EDR Contact: 07/20/04
Date of Next Scheduled EDR Contact: 10/18/04

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

Source: EPA/Office of Prevention, Pesticides and Toxic Substances

Telephone: 202-564-2501

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/13/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 09/07/04
Date of Next Scheduled EDR Contact: 12/20/04

STATE OF CALIFORNIA ASTM STANDARD RECORDS

AWP: Annual Workplan Sites

Source: California Environmental Protection Agency

Telephone: 916-323-3400

Known Hazardous Waste Sites. California DTSC's Annual Workplan (AWP), formerly BEP, identifies known hazardous substance sites targeted for cleanup.

Date of Government Version: 06/01/04
Date Made Active at EDR: 06/25/04
Database Release Frequency: Annually

Date of Data Arrival at EDR: 06/04/04
Elapsed ASTM days: 21
Date of Last EDR Contact: 09/16/04

CAL-SITES: Calsites Database

Source: Department of Toxic Substance Control

Telephone: 916-323-3400

The Calsites database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Calsites database.

Date of Government Version: 06/01/04
Date Made Active at EDR: 06/25/04
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 06/04/04
Elapsed ASTM days: 21
Date of Last EDR Contact: 09/16/04

CHMIRS: California Hazardous Material Incident Report System

Source: Office of Emergency Services

Telephone: 916-845-8400

California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 12/31/03
Date Made Active at EDR: 06/25/04
Database Release Frequency: Varies

Date of Data Arrival at EDR: 05/18/04
Elapsed ASTM days: 38
Date of Last EDR Contact: 08/23/04

CORTESE: "Cortese" Hazardous Waste & Substances Sites List

Source: CAL-EPA/Office of Emergency Information

Telephone: 916-323-9100

The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites). This listing is no longer updated by the state agency.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 04/01/01
Date Made Active at EDR: 07/26/01
Database Release Frequency: No Update Planned

Date of Data Arrival at EDR: 05/29/01
Elapsed ASTM days: 58
Date of Last EDR Contact: 07/29/04

NOTIFY 65: Proposition 65 Records

Source: State Water Resources Control Board
Telephone: 916-445-3846

Proposition 65 Notification Records. NOTIFY 65 contains facility notifications about any release which could impact drinking water and thereby expose the public to a potential health risk.

Date of Government Version: 10/21/93
Date Made Active at EDR: 11/19/93
Database Release Frequency: No Update Planned

Date of Data Arrival at EDR: 11/01/93
Elapsed ASTM days: 18
Date of Last EDR Contact: 07/20/04

TOXIC PITS: Toxic Pits Cleanup Act Sites

Source: State Water Resources Control Board
Telephone: 916-227-4364

Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

Date of Government Version: 07/01/95
Date Made Active at EDR: 09/26/95
Database Release Frequency: No Update Planned

Date of Data Arrival at EDR: 08/30/95
Elapsed ASTM days: 27
Date of Last EDR Contact: 08/02/04

SWF/LF (SWIS): Solid Waste Information System

Source: Integrated Waste Management Board
Telephone: 916-341-6320

Active, Closed and Inactive Landfills. SWF/LF records typically contain an inventory of solid waste disposal facilities or landfills. These may be active or inactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 06/14/04
Date Made Active at EDR: 07/26/04
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 06/16/04
Elapsed ASTM days: 40
Date of Last EDR Contact: 09/14/04

WMUDS/SWAT: Waste Management Unit Database

Source: State Water Resources Control Board
Telephone: 916-227-4448

Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

Date of Government Version: 04/01/00
Date Made Active at EDR: 05/10/00
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 04/10/00
Elapsed ASTM days: 30
Date of Last EDR Contact: 09/08/04

LUST: Leaking Underground Storage Tank Information System

Source: State Water Resources Control Board
Telephone: 916-341-5752

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 07/12/04
Date Made Active at EDR: 07/30/04
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 07/12/04
Elapsed ASTM days: 18
Date of Last EDR Contact: 07/12/04

CA BOND EXP. PLAN: Bond Expenditure Plan

Source: Department of Health Services

Telephone: 916-255-2118

Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/89

Date Made Active at EDR: 08/02/94

Database Release Frequency: No Update Planned

Date of Data Arrival at EDR: 07/27/94

Elapsed ASTM days: 6

Date of Last EDR Contact: 05/31/94

CA UST:**UST:** Active UST Facilities

Source: SWRCB

Telephone: 916-341-5752

Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 07/12/04

Date Made Active at EDR: 08/06/04

Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 07/12/04

Elapsed ASTM days: 25

Date of Last EDR Contact: 07/12/04

VCP: Voluntary Cleanup Program Properties

Source: Department of Toxic Substances Control

Telephone: 916-323-3400

Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

Date of Government Version: 06/01/04

Date Made Active at EDR: 06/25/04

Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 06/04/04

Elapsed ASTM days: 21

Date of Last EDR Contact: 09/16/04

INDIAN LUST: Leaking Underground Storage Tanks on Indian Land

Source: Environmental Protection Agency

Telephone: 415-972-3372

LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 06/18/04

Date Made Active at EDR: 07/26/04

Database Release Frequency: Varies

Date of Data Arrival at EDR: 06/21/04

Elapsed ASTM days: 35

Date of Last EDR Contact: 08/23/04

INDIAN LUST: Leaking Underground Storage Tanks on Indian Land

Source: EPA Region 10

Telephone: 206-553-2857

LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 06/23/04

Date Made Active at EDR: 07/26/04

Database Release Frequency: Varies

Date of Data Arrival at EDR: 06/23/04

Elapsed ASTM days: 33

Date of Last EDR Contact: 08/23/04

INDIAN UST: Underground Storage Tanks on Indian Land

Source: EPA Region 9

Telephone: 415-972-3368

Date of Government Version: 06/18/04

Date Made Active at EDR: 07/26/04

Database Release Frequency: Varies

Date of Data Arrival at EDR: 06/21/04

Elapsed ASTM days: 35

Date of Last EDR Contact: 08/23/04

CA FID UST: Facility Inventory Database

Source: California Environmental Protection Agency

Telephone: 916-445-6532

The Facility Inventory Database (FID) contains a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board. Refer to local/county source for current data.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/31/94
Date Made Active at EDR: 09/29/95
Database Release Frequency: No Update Planned

Date of Data Arrival at EDR: 09/05/95
Elapsed ASTM days: 24
Date of Last EDR Contact: 12/28/98

HIST UST: Hazardous Substance Storage Container Database

Source: State Water Resources Control Board
Telephone: 916-341-5700

The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county source for current data.

Date of Government Version: 10/15/90
Date Made Active at EDR: 02/12/91
Database Release Frequency: No Update Planned

Date of Data Arrival at EDR: 01/25/91
Elapsed ASTM days: 18
Date of Last EDR Contact: 07/26/01

STATE OF CALIFORNIA ASTM SUPPLEMENTAL RECORDS

AST: Aboveground Petroleum Storage Tank Facilities

Source: State Water Resources Control Board
Telephone: 916-341-5712

Registered Aboveground Storage Tanks.

Date of Government Version: 12/01/03
Database Release Frequency: Quarterly

Date of Last EDR Contact: 08/02/04
Date of Next Scheduled EDR Contact: 11/01/04

CLEANERS: Cleaner Facilities

Source: Department of Toxic Substance Control
Telephone: 916-225-0873

A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaner's agents; linen supply; coin-operated laundries and cleaning; drycleaning plants, except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

Date of Government Version: 04/21/04
Database Release Frequency: Annually

Date of Last EDR Contact: 07/06/04
Date of Next Scheduled EDR Contact: 10/04/04

CA WDS: Waste Discharge System

Source: State Water Resources Control Board
Telephone: 916-341-5227

Sites which have been issued waste discharge requirements.

Date of Government Version: 06/18/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 09/21/04
Date of Next Scheduled EDR Contact: 12/20/04

DEED: List of Deed Restrictions

Source: Department of Toxic Substances Control
Telephone: 916-323-3400

The use of recorded land use restrictions is one of the methods the DTSC uses to protect the public from unsafe exposures to hazardous substances and wastes.

Date of Government Version: 07/06/04
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 07/07/04
Date of Next Scheduled EDR Contact: 10/04/04

NFA: No Further Action Determination

Source: Department of Toxic Substances Control
Telephone: 916-323-3400

This category contains properties at which DTSC has made a clear determination that the property does not pose a problem to the environment or to public health.

Date of Government Version: 06/01/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 09/16/04
Date of Next Scheduled EDR Contact: 11/29/04

EMI: Emissions Inventory Data

Source: California Air Resources Board

Telephone: 916-322-2990

Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/02

Database Release Frequency: Varies

Date of Last EDR Contact: 07/22/04

Date of Next Scheduled EDR Contact: 10/18/04

REF: Unconfirmed Properties Referred to Another Agency

Source: Department of Toxic Substances Control

Telephone: 916-323-3400

This category contains properties where contamination has not been confirmed and which were determined as not requiring direct DTSC Site Mitigation Program action or oversight. Accordingly, these sites have been referred to another state or local regulatory agency.

Date of Government Version: 06/01/04

Database Release Frequency: Quarterly

Date of Last EDR Contact: 09/16/04

Date of Next Scheduled EDR Contact: 11/29/04

SCH: School Property Evaluation Program

Source: Department of Toxic Substances Control

Telephone: 916-323-3400

This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category depending on the level of threat to public health and safety or the environment they pose.

Date of Government Version: 06/01/04

Database Release Frequency: Quarterly

Date of Last EDR Contact: 09/16/04

Date of Next Scheduled EDR Contact: 11/29/04

NFE: Properties Needing Further Evaluation

Source: Department of Toxic Substances Control

Telephone: 916-323-3400

This category contains properties that are suspected of being contaminated. These are unconfirmed contaminated properties that need to be assessed using the PEA process. PEA in Progress indicates properties where DTSC is currently conducting a PEA. PEA Required indicates properties where DTSC has determined a PEA is required, but not currently underway.

Date of Government Version: 06/01/04

Database Release Frequency: Quarterly

Date of Last EDR Contact: 09/16/04

Date of Next Scheduled EDR Contact: 11/29/04

SLIC: Statewide SLIC Cases

Source: State Water Resources Control Board

Telephone: 916-341-5752

The Spills, Leaks, Investigations, and Cleanups (SLIC) listings includes unauthorized discharges from spills and leaks, other than from underground storage tanks or other regulated sites.

Date of Government Version: 08/03/04

Database Release Frequency: Varies

Date of Last EDR Contact: 08/03/04

Date of Next Scheduled EDR Contact: 10/11/04

HAZNET: Facility and Manifest Data

Source: California Environmental Protection Agency

Telephone: 916-255-1136

Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method.

Date of Government Version: 12/31/02

Database Release Frequency: Annually

Date of Last EDR Contact: 08/09/04

Date of Next Scheduled EDR Contact: 11/08/04

LOCAL RECORDS

ALAMEDA COUNTY:

Local Oversight Program Listing of UGT Cleanup Sites

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700

Date of Government Version: 08/17/04
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 07/26/04
Date of Next Scheduled EDR Contact: 10/25/04

Underground Tanks

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700

Date of Government Version: 08/17/04
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 07/26/04
Date of Next Scheduled EDR Contact: 10/25/04

CONTRA COSTA COUNTY:

Site List

Source: Contra Costa Health Services Department
Telephone: 925-646-2286

List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 06/14/04
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 08/30/04
Date of Next Scheduled EDR Contact: 11/29/04

FRESNO COUNTY:

CUPA Resources List

Source: Dept. of Community Health
Telephone: 559-445-3271

Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

Date of Government Version: 07/21/04
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 08/09/04
Date of Next Scheduled EDR Contact: 11/08/04

KERN COUNTY:

Underground Storage Tank Sites & Tank Listing

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Kern County Sites and Tanks Listing.

Date of Government Version: 01/27/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 09/07/04
Date of Next Scheduled EDR Contact: 12/06/04

LOS ANGELES COUNTY:

List of Solid Waste Facilities

Source: La County Department of Public Works
Telephone: 818-456-5185

Date of Government Version: 06/03/03
Database Release Frequency: Varies

Date of Last EDR Contact: 08/19/04
Date of Next Scheduled EDR Contact: 11/15/04

City of El Segundo Underground Storage Tank
Source: City of El Segundo Fire Department
Telephone: 310-524-2236

Date of Government Version: 09/07/04
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 08/30/04
Date of Next Scheduled EDR Contact: 11/15/04

City of Long Beach Underground Storage Tank
Source: City of Long Beach Fire Department
Telephone: 562-570-2543

Date of Government Version: 03/28/03
Database Release Frequency: Annually

Date of Last EDR Contact: 08/27/04
Date of Next Scheduled EDR Contact: 11/22/04

City of Torrance Underground Storage Tank
Source: City of Torrance Fire Department
Telephone: 310-618-2973

Date of Government Version: 08/16/04
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 06/16/04
Date of Next Scheduled EDR Contact: 11/15/04

City of Los Angeles Landfills
Source: Engineering & Construction Division
Telephone: 213-473-7869

Date of Government Version: 03/01/04
Database Release Frequency: Varies

Date of Last EDR Contact: 09/14/04
Date of Next Scheduled EDR Contact: 12/13/04

HMS: Street Number List
Source: Department of Public Works
Telephone: 626-458-3517
Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 04/29/04
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 08/16/04
Date of Next Scheduled EDR Contact: 11/15/04

Site Mitigation List
Source: Community Health Services
Telephone: 323-890-7806
Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 02/26/04
Database Release Frequency: Annually

Date of Last EDR Contact: 08/18/04
Date of Next Scheduled EDR Contact: 11/15/04

San Gabriel Valley Areas of Concern
Source: EPA Region 9
Telephone: 415-972-3178
San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office.

Date of Government Version: 12/31/98
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 07/06/99
Date of Next Scheduled EDR Contact: N/A

MARIN COUNTY:

Underground Storage Tank Sites
Source: Public Works Department Waste Management
Telephone: 415-499-6647
Currently permitted USTs in Marin County.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 08/18/04
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 08/02/04
Date of Next Scheduled EDR Contact: 11/01/04

NAPA COUNTY:

Sites With Reported Contamination

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269

Date of Government Version: 06/28/04
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 09/27/04
Date of Next Scheduled EDR Contact: 12/27/04

Closed and Operating Underground Storage Tank Sites

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269

Date of Government Version: 06/28/04
Database Release Frequency: Annually

Date of Last EDR Contact: 09/27/04
Date of Next Scheduled EDR Contact: 12/27/04

ORANGE COUNTY:

List of Underground Storage Tank Cleanups

Source: Health Care Agency
Telephone: 714-834-3446
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 06/01/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 09/09/04
Date of Next Scheduled EDR Contact: 12/06/04

List of Underground Storage Tank Facilities

Source: Health Care Agency
Telephone: 714-834-3446
Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 06/01/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 09/09/04
Date of Next Scheduled EDR Contact: 12/06/04

List of Industrial Site Cleanups

Source: Health Care Agency
Telephone: 714-834-3446
Petroleum and non-petroleum spills.

Date of Government Version: 06/01/04
Database Release Frequency: Annually

Date of Last EDR Contact: 09/09/04
Date of Next Scheduled EDR Contact: 12/06/04

PLACER COUNTY:

Master List of Facilities

Source: Placer County Health and Human Services
Telephone: 530-869-7312
List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 07/07/04
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 09/20/04
Date of Next Scheduled EDR Contact: 12/20/04

RIVERSIDE COUNTY:**Listing of Underground Tank Cleanup Sites**

Source: Department of Public Health

Telephone: 909-358-5055

Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 06/21/04

Database Release Frequency: Quarterly

Date of Last EDR Contact: 07/19/04

Date of Next Scheduled EDR Contact: 10/18/04

Underground Storage Tank Tank List

Source: Health Services Agency

Telephone: 909-358-5055

Date of Government Version: 06/21/04

Database Release Frequency: Quarterly

Date of Last EDR Contact: 07/19/04

Date of Next Scheduled EDR Contact: 10/18/04

SACRAMENTO COUNTY:**CS - Contaminated Sites**

Source: Sacramento County Environmental Management

Telephone: 916-875-8406

Date of Government Version: 04/16/04

Database Release Frequency: Quarterly

Date of Last EDR Contact: 08/02/04

Date of Next Scheduled EDR Contact: 11/02/04

ML - Regulatory Compliance Master List

Source: Sacramento County Environmental Management

Telephone: 916-875-8406

Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 04/16/04

Database Release Frequency: Quarterly

Date of Last EDR Contact: 08/02/04

Date of Next Scheduled EDR Contact: 11/01/04

SAN BERNARDINO COUNTY:**Hazardous Material Permits**

Source: San Bernardino County Fire Department Hazardous Materials Division

Telephone: 909-387-3041

This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

Date of Government Version: 06/28/04

Database Release Frequency: Quarterly

Date of Last EDR Contact: 09/07/04

Date of Next Scheduled EDR Contact: 12/06/04

SAN DIEGO COUNTY:**Solid Waste Facilities**

Source: Department of Health Services

Telephone: 619-338-2209

San Diego County Solid Waste Facilities.

Date of Government Version: 08/01/00

Database Release Frequency: Varies

Date of Last EDR Contact: 08/23/04

Date of Next Scheduled EDR Contact: 11/22/04

Hazardous Materials Management Division Database

Source: Hazardous Materials Management Division

Telephone: 619-338-2268

The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 06/29/04

Database Release Frequency: Quarterly

Date of Last EDR Contact: 07/07/04

Date of Next Scheduled EDR Contact: 10/04/04

SAN FRANCISCO COUNTY:**Local Oversight Facilities**

Source: Department Of Public Health San Francisco County

Telephone: 415-252-3920

Date of Government Version: 06/07/04

Database Release Frequency: Quarterly

Date of Last EDR Contact: 09/20/04

Date of Next Scheduled EDR Contact: 12/06/04

Underground Storage Tank Information

Source: Department of Public Health

Telephone: 415-252-3920

Date of Government Version: 06/07/04

Database Release Frequency: Quarterly

Date of Last EDR Contact: 09/20/04

Date of Next Scheduled EDR Contact: 12/26/04

SAN MATEO COUNTY:**Fuel Leak List**

Source: San Mateo County Environmental Health Services Division

Telephone: 650-363-1921

Date of Government Version: 08/03/04

Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 07/09/04

Date of Next Scheduled EDR Contact: 10/11/04

Business Inventory

Source: San Mateo County Environmental Health Services Division

Telephone: 650-363-1921

List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 08/19/04

Database Release Frequency: Annually

Date of Last EDR Contact: 07/12/04

Date of Next Scheduled EDR Contact: 10/11/04

SANTA CLARA COUNTY:**Fuel Leak Site Activity Report**

Source: Santa Clara Valley Water District

Telephone: 408-265-2600

Date of Government Version: 06/30/04

Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 09/27/04

Date of Next Scheduled EDR Contact: 12/27/04

Hazardous Material Facilities

Source: City of San Jose Fire Department
Telephone: 408-277-4659

Date of Government Version: 10/01/03
Database Release Frequency: Annually

Date of Last EDR Contact: 09/07/04
Date of Next Scheduled EDR Contact: 12/06/04

SOLANO COUNTY:

Leaking Underground Storage Tanks

Source: Solano County Department of Environmental Management
Telephone: 707-421-6770

Date of Government Version: 07/08/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 09/13/04
Date of Next Scheduled EDR Contact: 12/13/04

Underground Storage Tanks

Source: Solano County Department of Environmental Management
Telephone: 707-421-6770

Date of Government Version: 07/08/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 09/13/04
Date of Next Scheduled EDR Contact: 12/13/04

SONOMA COUNTY:

Leaking Underground Storage Tank Sites

Source: Department of Health Services
Telephone: 707-565-6565

Date of Government Version: 07/26/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 07/26/04
Date of Next Scheduled EDR Contact: 10/25/04

SUTTER COUNTY:

Underground Storage Tanks

Source: Sutter County Department of Agriculture
Telephone: 530-822-7500

Date of Government Version: 01/29/04
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 07/06/04
Date of Next Scheduled EDR Contact: 10/04/04

VENTURA COUNTY:

Inventory of Illegal Abandoned and Inactive Sites

Source: Environmental Health Division
Telephone: 805-654-2813
Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 09/01/02
Database Release Frequency: Annually

Date of Last EDR Contact: 08/25/04
Date of Next Scheduled EDR Contact: 11/22/04

Listing of Underground Tank Cleanup Sites

Source: Environmental Health Division
Telephone: 805-654-2813
Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/04/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 09/14/04
Date of Next Scheduled EDR Contact: 12/13/04

Underground Tank Closed Sites List

Source: Environmental Health Division
Telephone: 805-654-2813

Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List

Date of Government Version: 05/04/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 07/13/04
Date of Next Scheduled EDR Contact: 10/11/04

Business Plan, Hazardous Waste Producers, and Operating Underground Tanks

Source: Ventura County Environmental Health Division
Telephone: 805-654-2813

The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 05/04/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 09/14/04
Date of Next Scheduled EDR Contact: 12/13/04

YOLO COUNTY:

Underground Storage Tank Comprehensive Facility Report

Source: Yolo County Department of Health
Telephone: 530-666-8646

Date of Government Version: 06/02/04
Database Release Frequency: Annually

Date of Last EDR Contact: 06/01/04
Date of Next Scheduled EDR Contact: 10/18/04

California Regional Water Quality Control Board (RWQCB) LUST Records

LUST REG 1: Active Toxic Site Investigation

Source: California Regional Water Quality Control Board North Coast (1)
Telephone: 707-576-2220

Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/01/01
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 08/23/04
Date of Next Scheduled EDR Contact: 11/22/04

LUST REG 2: Fuel Leak List

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457

Date of Government Version: 03/31/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 07/16/04
Date of Next Scheduled EDR Contact: 10/11/04

LUST REG 3: Leaking Underground Storage Tank Database

Source: California Regional Water Quality Control Board Central-Coast Region (3)
Telephone: 805-549-3147

Date of Government Version: 05/19/03
Database Release Frequency: Varies

Date of Last EDR Contact: 09/17/04
Date of Next Scheduled EDR Contact: 11/15/04

LUST REG 4: Underground Storage Tank Leak List

Source: California Regional Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6600

Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 02/10/04
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 08/16/04
Date of Next Scheduled EDR Contact: 12/27/04

LUST REG 5: Leaking Underground Storage Tank Database
Source: California Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-3291

Date of Government Version: 07/01/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 07/19/04
Date of Next Scheduled EDR Contact: 10/04/04

LUST REG 6L: Leaking Underground Storage Tank Case Listing
Source: California Regional Water Quality Control Board Lahontan Region (6)
Telephone: 916-542-5424
For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/09/03
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 09/08/04
Date of Next Scheduled EDR Contact: 12/06/04

LUST REG 6V: Leaking Underground Storage Tank Case Listing
Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Telephone: 760-346-7491

Date of Government Version: 08/09/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 10/04/04
Date of Next Scheduled EDR Contact: 01/03/05

LUST REG 7: Leaking Underground Storage Tank Case Listing
Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Telephone: 760-346-7491

Date of Government Version: 02/26/04
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 09/27/04
Date of Next Scheduled EDR Contact: 12/27/04

LUST REG 8: Leaking Underground Storage Tanks
Source: California Regional Water Quality Control Board Santa Ana Region (8)
Telephone: 909-782-4498
California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 07/01/04
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 08/09/04
Date of Next Scheduled EDR Contact: 11/08/04

LUST REG 9: Leaking Underground Storage Tank Report
Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980
Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 03/01/01
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 06/29/04
Date of Next Scheduled EDR Contact: 10/18/04

California Regional Water Quality Control Board (RWQCB) SLIC Records

SLIC REG 1: Active Toxic Site Investigations
Source: California Regional Water Quality Control Board, North Coast Region (1)
Telephone: 707-576-2220

Date of Government Version: 04/03/03
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 08/23/04
Date of Next Scheduled EDR Contact: 11/22/04

SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

Source: Regional Water Quality Control Board San Francisco Bay Region (2)

Telephone: 510-286-0457

Any contaminated site that impacts groundwater or has the potential to impact groundwater.

Date of Government Version: 07/12/04

Database Release Frequency: Quarterly

Date of Last EDR Contact: 07/12/04

Date of Next Scheduled EDR Contact: 10/11/04

SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

Source: California Regional Water Quality Control Board Central Coast Region (3)

Telephone: 805-549-3147

Any contaminated site that impacts groundwater or has the potential to impact groundwater.

Date of Government Version: 08/20/04

Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 08/16/04

Date of Next Scheduled EDR Contact: 11/15/04

SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

Source: Region Water Quality Control Board Los Angeles Region (4)

Telephone: 213-576-6600

Any contaminated site that impacts groundwater or has the potential to impact groundwater.

Date of Government Version: 07/08/04

Database Release Frequency: Quarterly

Date of Last EDR Contact: 07/26/04

Date of Next Scheduled EDR Contact: 10/25/04

SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

Source: Regional Water Quality Control Board Central Valley Region (5)

Telephone: 916-464-3291

Unregulated sites that impact groundwater or have the potential to impact groundwater.

Date of Government Version: 04/01/04

Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 07/06/04

Date of Next Scheduled EDR Contact: 10/04/04

SLIC REG 6L: SLIC Sites

Source: California Regional Water Quality Control Board, Lahontan Region

Telephone: 530-542-5574

Date of Government Version: 06/07/04

Database Release Frequency: Varies

Date of Last EDR Contact: 09/07/04

Date of Next Scheduled EDR Contact: 12/06/04

SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

Source: Regional Water Quality Control Board, Victorville Branch

Telephone: 619-241-6583

Date of Government Version: 04/01/04

Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 07/06/04

Date of Next Scheduled EDR Contact: 10/04/04

SLIC REG 7: SLIC List

Source: California Regional Quality Control Board, Colorado River Basin Region

Telephone: 760-346-7491

Date of Government Version: 08/25/04

Database Release Frequency: Varies

Date of Last EDR Contact: 08/23/04

Date of Next Scheduled EDR Contact: 11/22/04

SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

Source: California Region Water Quality Control Board Santa Ana Region (8)

Telephone: 909-782-3298

Date of Government Version: 07/01/04

Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 07/09/04

Date of Next Scheduled EDR Contact: 10/04/04

SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

Source: California Regional Water Quality Control Board San Diego Region (9)

Telephone: 858-467-2980

Date of Government Version: 04/29/04

Database Release Frequency: Annually

Date of Last EDR Contact: 08/30/04

Date of Next Scheduled EDR Contact: 11/29/04

EDR PROPRIETARY HISTORICAL DATABASES

EDR Historical Gas Station and Dry Cleaners: EDR has searched select national collections of business directories and has collected listings of potential dry cleaner and gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning and gas station/filling station/service station establishments. The categories reviewed included, but were not limited to: gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, dry cleaner, cleaners, laundry, laundromat, cleaning/laundry, wash & dry, etc.

This information is meant to assist and complement environmental professionals in their conduct of environmental site assessments, and is not meant to be a substitute for a full historical investigation as defined in ASTM E1527. The information provided in this proprietary database may or may not be complete; i.e., the absence of a dry cleaner or gas station/filling station/service station site does not necessarily mean that such a site did not exist in the area covered by this report.

(A note on "dry cleaning" sites: it is not possible for EDR to differentiate between establishments that use PERC on-site as a cleaning solvent and sites that function simply as drop-off and pick-up locations or that are traditional wet cleaning/laundry facilities. Therefore, it is essential for environmental professionals to incorporate professional judgment in the evaluation of each site.)

Former Manufactured Gas (Coal Gas) Sites: The existence and location of Coal Gas sites is provided exclusively to EDR by Real Property Scan, Inc. ©Copyright 1993 Real Property Scan, Inc. For a technical description of the types of hazards which may be found at such sites, contact your EDR customer service representative.

Disclaimer Provided by Real Property Scan, Inc.

The information contained in this report has predominantly been obtained from publicly available sources produced by entities other than Real Property Scan. While reasonable steps have been taken to insure the accuracy of this report, Real Property Scan does not guarantee the accuracy of this report. Any liability on the part of Real Property Scan is strictly limited to a refund of the amount paid. No claim is made for the actual existence of toxins at any site. This report does not constitute a legal opinion.

BROWNFIELDS DATABASES**VCP: Voluntary Cleanup Program Properties**

Source: Department of Toxic Substances Control

Telephone: 916-323-3400

Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

Date of Government Version: 06/01/04

Database Release Frequency: Quarterly

Date of Last EDR Contact: 09/16/04

Date of Next Scheduled EDR Contact: 11/29/04

US BROWNFIELDS: A Listing of Brownfields Sites

Source: Environmental Protection Agency

Telephone: 202-566-2777

Included in the listing are brownfields properties addresses by Cooperative Agreement Recipients and brownfields properties addressed by Targeted Brownfields Assessments. Targeted Brownfields Assessments-EPA's Targeted Brownfields Assessments (TBA) program is designed to help states, tribes, and municipalities--especially those without EPA Brownfields Assessment Demonstration Pilots--minimize the uncertainties of contamination often associated with brownfields. Under the TBA program, EPA provides funding and/or technical assistance for environmental assessments at brownfields sites throughout the country. Targeted Brownfields Assessments supplement and work with other efforts under EPA's Brownfields Initiative to promote cleanup and redevelopment of brownfields. Cooperative Agreement Recipients: States, political subdivisions, territories, and Indian tribes become BCRLF cooperative agreement recipients when they enter into BCRLF cooperative agreements with the U.S. EPA. EPA selects BCRLF cooperative agreement recipients based on a proposal and application process. BCRLF cooperative agreement recipients must use EPA funds provided through BCRLF cooperative agreement for specified brownfields-related cleanup activities.

Date of Government Version: N/A
 Database Release Frequency: Semi-Annually

Date of Last EDR Contact: N/A
 Date of Next Scheduled EDR Contact: N/A

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

Oil/Gas Pipelines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

Electric Power Transmission Line Data

Source: PennWell Corporation
 Telephone: (800) 823-6277

This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:

Source: American Hospital Association, Inc.
 Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services
 Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes

Source: National Institutes of Health
 Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools

Source: National Center for Education Statistics
 Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools

Source: National Center for Education Statistics
 Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Licensed Facilities

Source: Department of Social Services
 Telephone: 916-657-4041

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 from the U.S. Fish and Wildlife Service.

STREET AND ADDRESS INFORMATION

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GEOCHECK - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

FORMER ZERO CORPORATION FACILITY
777 NORTH FRONT STREET
BURBANK, CA 91502

TARGET PROPERTY COORDINATES

Latitude (North):	34.183102 - 34° 10' 59.2"
Longitude (West):	118.316299 - 118° 18' 58.7"
Universal Transverse Mercator:	Zone 11
UTM X (Meters):	378697.3
UTM Y (Meters):	3783046.0
Elevation:	584 ft. above sea level

EDR's GeoCheck Physical Setting Source Addendum has been developed to assist the environmental professional with the collection of physical setting source information in accordance with ASTM 1527-00, Section 7.2.3. Section 7.2.3 requires that a current USGS 7.5 Minute Topographic Map (or equivalent, such as the USGS Digital Elevation Model) be reviewed. It also requires that one or more additional physical setting sources be sought when (1) conditions have been identified in which hazardous substances or petroleum products are likely to migrate to or from the property, and (2) more information than is provided in the current USGS 7.5 Minute Topographic Map (or equivalent) is generally obtained, pursuant to local good commercial or customary practice, to assess the impact of migration of recognized environmental conditions in connection with the property. Such additional physical setting sources generally include information about the topographic, hydrologic, hydrogeologic, and geologic characteristics of a site, and wells in the area.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata. EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

GEOCHECK - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

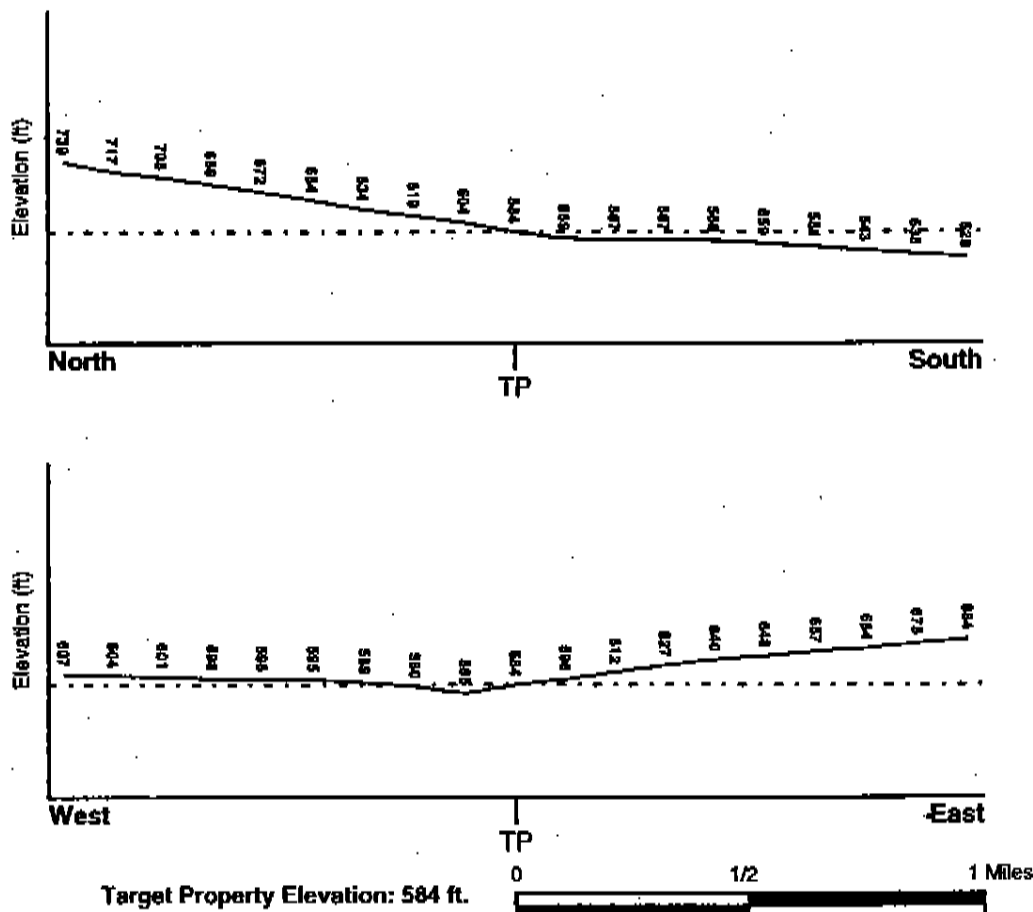
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

USGS Topographic Map: 34118-B3 BURBANK, CA
General Topographic Gradient: General SSW
Source: USGS 7.5 min quad index

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

-  Groundwater Flow Direction
-  Indeterminate Groundwater Flow at Location
-  Groundwater Flow Varies at Location
-  Closest Hydrogeological Data
-  Oil, gas or related wells

CUSTOMER: MACTEC, Inc.
CONTACT: Matt Fraychineaud
INQUIRY #: 1285242.2s
DATE: October 11, 2004 2:53 pm

GEOCHECK - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

Era: Cenozoic
System: Quaternary
Series: Quaternary
Code: Q (decoded above as Era, System & Series)

GEOLOGIC AGE IDENTIFICATION

Category: Stratified Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Amdt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name: URBAN LAND

Soil Surface Texture: variable

Hydrologic Group: Not reported

Soil Drainage Class: Not reported

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 10 inches

Depth to Bedrock Max: > 10 inches

Soil Layer Information							
	Boundary			Classification			
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	Permeability Rate (in/hr)	Soil Reaction (pH)
1	0 inches	6 inches	variable	Not reported	Not reported	Max: 0.00 Min: 0.00	Max: 0.00 Min: 0.00

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures: loam
clay
silt loam
clay loam
sandy loam
gravelly - sandy loam
loamy sand
fine sand
coarse sand
sand
gravelly - sand

Surficial Soil Types: loam
clay
silt loam
clay loam
sandy loam
gravelly - sandy loam
loamy sand
fine sand
coarse sand
sand
gravelly - sand

Shallow Soil Types: fine sandy loam
gravelly - loam
sand
silty clay

Deeper Soil Types: stratified
clay loam
silty clay loam
gravelly - sandy loam
coarse sand
sand
weathered bedrock
very fine sandy loam

ADDITIONAL ENVIRONMENTAL RECORD SOURCES

According to ASTM E 1527-00, Section 7.2.2, "one or more additional state or local sources of environmental records may be checked, in the discretion of the environmental professional, to enhance and supplement federal and state sources... Factors to consider in determining which local or additional state records, if any, should be checked include (1) whether they are reasonably ascertainable, (2) whether they are sufficiently useful, accurate, and complete in light of the objective of the records review (see 7.1.1), and (3) whether they are obtained, pursuant to local, good commercial or customary practice." One of the record sources listed in Section 7.2.2 is water well information. Water well information can be used to assist the environmental professional in assessing sources that may impact groundwater flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

GEOCHECK - PHYSICAL SETTING SOURCE SUMMARY

WELL SEARCH DISTANCE INFORMATION

<u>DATABASE</u>	<u>SEARCH DISTANCE (miles)</u>
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
4	USGS0138338	1/4 - 1/2 Mile South
5	USGS0138337	1/4 - 1/2 Mile South

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

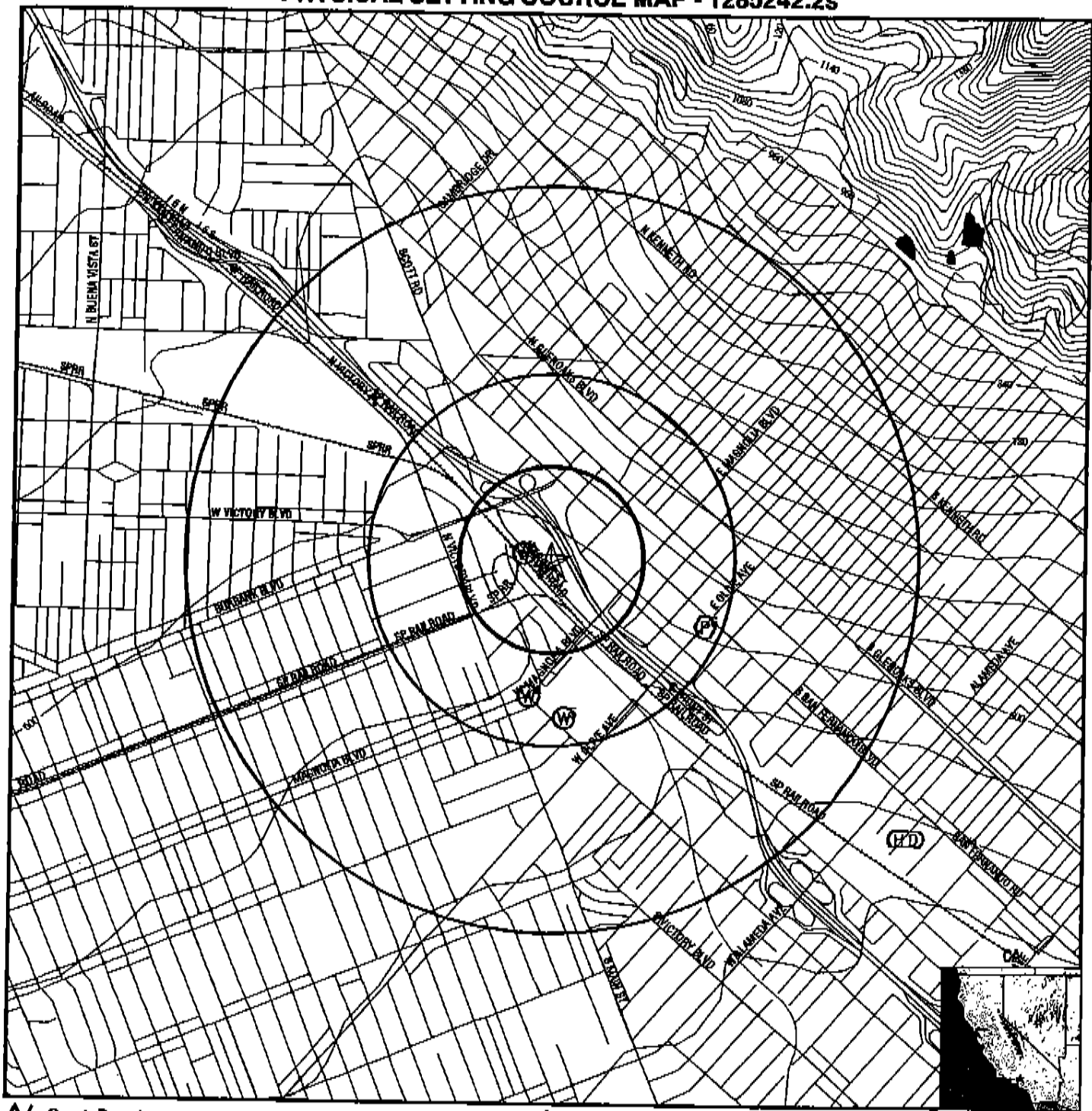
<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
6	CA1910179	1/4 - 1/2 Mile ESE

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
A1	591	0 - 1/8 Mile WNW
A2	589	0 - 1/8 Mile WNW
A3	22942	0 - 1/8 Mile WNW

PHYSICAL SETTING SOURCE MAP - 1285242.2s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake Fault Lines
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons

- Groundwater Flow Direction
- (GI) Indeterminate Groundwater Flow at Location
- (GV) Groundwater Flow Varies at Location
- (HD) Closest Hydrogeological Data
- Oil, gas or related wells

TARGET PROPERTY: Former Zero Corporation Facility
ADDRESS: 777 North Front Street
CITY/STATE/ZIP: Burbank CA 91502
LAT/LONG: 34.1831 / 118.3163

CUSTOMER: MACTEC, Inc.
CONTACT: Matt Fraychineaud
INQUIRY #: 1285242.2s
DATE: October 11, 2004 2:53 pm

GEOCHECK- PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

A1
WNW
0 - 1/8 Mile
Lower

CA WELLS 591

Water System Information:

Prime Station Code:	01N/14W-14B08 S	User ID:	4TH
FRDS Number:	1910179009	County:	Los Angeles
District Number:	07	Station Type:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Water Type:	Well/Groundwater	Well Status:	Active Raw
Source Lat/Long:	341100.0 1181900.0	Precision:	Undefined
Source Name:	WELL 15		
System Number:	1910179		
System Name:	BURBANK-CITY, WATER DEPT.		
Organization That Operates System:	PO BOX 631 BURBANK, CA 91503		
Pop Served:	93643	Connections:	25731
Area Served:	BURBANK		

Sample Information: * Only Findings Above Detection Level Are Listed

Sample Collected:	10/31/1989	Findings:	3.000 PC/L
Chemical:	GROSS ALPHA		
Sample Collected:	10/31/1989	Findings:	1.000 PC/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	10/31/1989	Findings:	5.000 PC/L
Chemical:	GROSS BETA		
Sample Collected:	10/31/1989	Findings:	3.000 PC/L
Chemical:	GROSS BETA COUNTING ERROR		
Sample Collected:	05/01/1991	Findings:	490.000 UMHO
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	05/01/1991	Findings:	7.800
Chemical:	PH (LABORATORY)		
Sample Collected:	05/01/1991	Findings:	44.000 MG/L
Chemical:	CALCIUM		
Sample Collected:	05/01/1991	Findings:	10.000 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	05/01/1991	Findings:	34.000 MG/L
Chemical:	SODIUM		
Sample Collected:	05/01/1991	Findings:	3.600 MG/L
Chemical:	POTASSIUM		
Sample Collected:	05/01/1991	Findings:	23.000 MG/L
Chemical:	CHLORIDE		
Sample Collected:	05/01/1991	Findings:	.480 MG/L
Chemical:	FLUORIDE (TEMPERATURE DEPENDENT)		
Sample Collected:	05/01/1991	Findings:	280.000 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	05/01/1991	Findings:	3.000 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	05/01/1991	Findings:	.200 NTU
Chemical:	TURBIDITY (LAB)		

GEOCHECK - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	03/18/1992	Findings:	2.800 UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	01/05/1993	Findings:	3.700 UG/L
Chemical:	TETRACHLOROETHYLENE		
Sample Collected:	01/05/1993	Findings:	180.000 UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	02/02/1993	Findings:	5.500 PC/L
Chemical:	GROSS ALPHA		
Sample Collected:	02/02/1993	Findings:	3.000 PC/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	02/02/1993	Findings:	7.400 PC/L
Chemical:	GROSS BETA		
Sample Collected:	02/02/1993	Findings:	2.800 PC/L
Chemical:	GROSS BETA COUNTING ERROR		
Sample Collected:	02/02/1993	Findings:	14.000 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	02/02/1993	Findings:	2.000 UG/L
Chemical:	CHLOROFORM (THM)		
Sample Collected:	02/02/1993	Findings:	4.000 UG/L
Chemical:	TETRACHLOROETHYLENE		
Sample Collected:	02/02/1993	Findings:	1.200 UG/L
Chemical:	1,2-DICHLOROETHANE		
Sample Collected:	02/02/1993	Findings:	84.000 UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	02/02/1993	Findings:	3.900 UG/L
Chemical:	CIS-1,2-DICHLOROETHYLENE		
Sample Collected:	02/02/1993	Findings:	2.000 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	02/16/1993	Findings:	5.500 UG/L
Chemical:	TETRACHLOROETHYLENE		
Sample Collected:	02/16/1993	Findings:	200.000 UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	03/06/1993	Findings:	6.100 UG/L
Chemical:	TETRACHLOROETHYLENE		
Sample Collected:	03/06/1993	Findings:	200.000 UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	04/06/1993	Findings:	3400.000 UG/L
Chemical:	NITRATE NITROGEN (NO3-N)		
Sample Collected:	04/06/1993	Findings:	4.100 PC/L
Chemical:	GROSS ALPHA		
Sample Collected:	04/06/1993	Findings:	2.100 PC/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	04/06/1993	Findings:	4.600 PC/L
Chemical:	GROSS BETA		
Sample Collected:	04/06/1993	Findings:	1.900 PC/L
Chemical:	GROSS BETA COUNTING ERROR		
Sample Collected:	04/06/1993	Findings:	210.000 UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	04/06/1993	Findings:	15.000 MG/L
Chemical:	NITRATE (AS NO3)		

GEOCHECK - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	08/17/1993	Findings:	4.450 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	08/17/1993	Findings:	3.850 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	08/17/1993	Findings:	2.910 PCI/L
Chemical:	GROSS BETA COUNTING ERROR		
Sample Collected:	08/17/1993	Findings:	3.050 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	11/09/1993	Findings:	2480.000 UG/L
Chemical:	NITRATE NITROGEN (NO3-N)		
Sample Collected:	11/09/1993	Findings:	16.000 UG/L
Chemical:	CHROMIUM (TOTAL)		
Sample Collected:	11/09/1993	Findings:	10.980 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	11/09/1993	Findings:	2480.000 UG/L
Chemical:	NITRATE + NITRITE (AS N)		
Sample Collected:	11/09/1993	Findings:	5.300 UG/L
Chemical:	CIS-1,2-DICHLOROETHYLENE		
Sample Collected:	12/07/1993	Findings:	.960 UG/L
Chemical:	CHLOROFORM (THM)		
Sample Collected:	12/07/1993	Findings:	3.860 UG/L
Chemical:	TETRACHLOROETHYLENE		
Sample Collected:	12/07/1993	Findings:	.780 UG/L
Chemical:	1,2-DICHLOROETHANE		
Sample Collected:	12/07/1993	Findings:	164.000 UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	12/07/1993	Findings:	3.580 UG/L
Chemical:	CIS-1,2-DICHLOROETHYLENE		
Sample Collected:	12/07/1993	Findings:	.960 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	12/21/1993	Findings:	.900 UG/L
Chemical:	CHLOROFORM (THM)		
Sample Collected:	12/21/1993	Findings:	3.900 UG/L
Chemical:	TETRACHLOROETHYLENE		
Sample Collected:	12/21/1993	Findings:	156.600 UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	12/21/1993	Findings:	2.700 UG/L
Chemical:	CIS-1,2-DICHLOROETHYLENE		
Sample Collected:	12/21/1993	Findings:	.900 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	01/21/1994	Findings:	2.890 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	01/21/1994	Findings:	6.020 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	01/21/1994	Findings:	.870 UG/L
Chemical:	CHLOROFORM (THM)		
Sample Collected:	01/21/1994	Findings:	4.510 UG/L
Chemical:	TETRACHLOROETHYLENE		
Sample Collected:	01/21/1994	Findings:	.820 UG/L
Chemical:	1,2-DICHLOROETHANE		

GROUNDWATER PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	01/21/1994	Findings:	152.000 UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	01/21/1994	Findings:	10.890 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	01/21/1994	Findings:	3.810 UG/L
Chemical:	CIS-1,2-DICHLOROETHYLENE		
Sample Collected:	01/21/1994	Findings:	.870 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	03/01/1994	Findings:	8.000
Chemical:	PH (LABORATORY)		
Sample Collected:	03/01/1994	Findings:	760.000 UG/L
Chemical:	NITRATE NITROGEN (NO3-N)		
Sample Collected:	03/01/1994	Findings:	20.000 MG/L
Chemical:	CHLORIDE		
Sample Collected:	03/01/1994	Findings:	15.000 UG/L
Chemical:	CHROMIUM (TOTAL)		
Sample Collected:	03/01/1994	Findings:	.690 UG/L
Chemical:	CHLOROFORM (THM)		
Sample Collected:	03/01/1994	Findings:	5.170 UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	03/01/1994	Findings:	273.000 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	03/01/1994	Findings:	3.350 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	03/01/1994	Findings:	.300 NTU
Chemical:	TURBIDITY (LAB)		
Sample Collected:	03/01/1994	Findings:	760.000 UG/L
Chemical:	NITRATE + NITRITE (AS N)		
Sample Collected:	04/05/1994	Findings:	2.220 PC/L
Chemical:	GROSS ALPHA		
Sample Collected:	04/05/1994	Findings:	5.630 PC/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	04/05/1994	Findings:	4.310 PC/L
Chemical:	GROSS BETA		
Sample Collected:	04/05/1994	Findings:	4.760 PC/L
Chemical:	GROSS BETA COUNTING ERROR		
Sample Collected:	04/05/1994	Findings:	.830 UG/L
Chemical:	CHLOROFORM (THM)		
Sample Collected:	04/05/1994	Findings:	5.460 UG/L
Chemical:	TETRACHLOROETHYLENE		
Sample Collected:	04/05/1994	Findings:	.630 UG/L
Chemical:	1,2-DICHLOROETHANE		
Sample Collected:	04/05/1994	Findings:	192.000 UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	04/05/1994	Findings:	4.260 UG/L
Chemical:	CIS-1,2-DICHLOROETHYLENE		
Sample Collected:	04/05/1994	Findings:	.830 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	04/06/1994	Findings:	2840.000 UG/L
Chemical:	NITRATE NITROGEN (NO3-N)		

GEOCHECK - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	04/06/1994	Findings:	12.580 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	04/19/1994	Findings:	500.000 UMHO
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	04/19/1994	Findings:	7.900
Chemical:	PH (LABORATORY)		
Sample Collected:	04/19/1994	Findings:	171.000 MG/L
Chemical:	TOTAL ALKALINITY (AS CaCO3)		
Sample Collected:	04/19/1994	Findings:	209.000 MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	04/19/1994	Findings:	2830.000 UG/L
Chemical:	NITRATE NITROGEN (NO3-N)		
Sample Collected:	04/19/1994	Findings:	192.000 MG/L
Chemical:	TOTAL HARDNESS (AS CaCO3)		
Sample Collected:	04/19/1994	Findings:	57.800 MG/L
Chemical:	CALCIUM		
Sample Collected:	04/19/1994	Findings:	14.400 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	04/19/1994	Findings:	34.500 MG/L
Chemical:	SODIUM		
Sample Collected:	04/19/1994	Findings:	24.000 MG/L
Chemical:	CHLORIDE		
Sample Collected:	04/19/1994	Findings:	.640 MG/L
Chemical:	FLUORIDE (TEMPERATURE DEPENDENT)		
Sample Collected:	04/19/1994	Findings:	11.000 UG/L
Chemical:	CHROMIUM (TOTAL)		
Sample Collected:	04/19/1994	Findings:	403.000 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	04/19/1994	Findings:	12.530 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	04/19/1994	Findings:	.200 NTU
Chemical:	TURBIDITY (LAB)		
Sample Collected:	05/03/1994	Findings:	.850 UG/L
Chemical:	CHLOROFORM (THM)		
Sample Collected:	05/03/1994	Findings:	6.300 UG/L
Chemical:	TETRACHLOROETHYLENE		
Sample Collected:	05/03/1994	Findings:	.760 UG/L
Chemical:	1,2-DICHLOROETHANE		
Sample Collected:	05/03/1994	Findings:	177.000 UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	05/03/1994	Findings:	4.780 UG/L
Chemical:	CIS-1,2-DICHLOROETHYLENE		
Sample Collected:	05/03/1994	Findings:	.850 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	06/01/1994	Findings:	8.000
Chemical:	PH (LABORATORY)		
Sample Collected:	06/01/1994	Findings:	640.000 UG/L
Chemical:	NITRATE NITROGEN (NO3-N)		
Sample Collected:	06/01/1994	Findings:	21.000 MG/L
Chemical:	CHLORIDE		

DEUGHECK - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	06/01/1994	Findings:	2.570 UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	06/01/1994	Findings:	360.000 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	06/01/1994	Findings:	2.800 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	06/01/1994	Findings:	.800 NTU
Chemical:	TURBIDITY (LAB)		
Sample Collected:	06/01/1994	Findings:	640.000 UG/L
Chemical:	NITRATE + NITRITE (AS N)		
Sample Collected:	07/05/1994	Findings:	.980 UG/L
Chemical:	CHLOROFORM (THM)		
Sample Collected:	07/05/1994	Findings:	7.610 UG/L
Chemical:	TETRACHLOROETHYLENE		
Sample Collected:	07/05/1994	Findings:	.920 UG/L
Chemical:	1,2-DICHLOROETHANE		
Sample Collected:	07/05/1994	Findings:	191.000 UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	07/05/1994	Findings:	5.970 UG/L
Chemical:	CIS-1,2-DICHLOROETHYLENE		
Sample Collected:	07/05/1994	Findings:	.980 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	08/16/1994	Findings:	1770.000 UG/L
Chemical:	NITRATE NITROGEN (NO3-N)		
Sample Collected:	08/16/1994	Findings:	3.710 PC/L
Chemical:	GROSS ALPHA		
Sample Collected:	08/16/1994	Findings:	5.630 PC/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	08/16/1994	Findings:	4.060 PC/L
Chemical:	GROSS BETA COUNTING ERROR		
Sample Collected:	08/16/1994	Findings:	7.820 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	09/01/1994	Findings:	7.800
Chemical:	PH (LABORATORY)		
Sample Collected:	09/01/1994	Findings:	26.000 MG/L
Chemical:	CHLORIDE		
Sample Collected:	09/01/1994	Findings:	3.810 UG/L
Chemical:	TETRACHLOROETHYLENE		
Sample Collected:	09/01/1994	Findings:	118.000 UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	09/01/1994	Findings:	319.000 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	09/01/1994	Findings:	8.740 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	09/01/1994	Findings:	3.900 UG/L
Chemical:	CIS-1,2-DICHLOROETHYLENE		
Sample Collected:	09/01/1994	Findings:	.290 NTU
Chemical:	TURBIDITY (LAB)		
Sample Collected:	09/06/1994	Findings:	.990 UG/L
Chemical:	CHLOROFORM (THM)		

GEOCHECK - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	09/06/1994	Findings:	7.330 UG/L
Chemical:	TETRACHLOROETHYLENE		
Sample Collected:	09/06/1994	Findings:	.960 UG/L
Chemical:	1,2-DICHLOROETHANE		
Sample Collected:	09/06/1994	Findings:	202.000 UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	09/06/1994	Findings:	6.630 UG/L
Chemical:	CIS-1,2-DICHLOROETHYLENE		
Sample Collected:	09/06/1994	Findings:	.990 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	10/04/1994	Findings:	3650.000 UG/L
Chemical:	NITRATE NITROGEN (NO3-N)		
Sample Collected:	10/04/1994	Findings:	4.290 PC/L
Chemical:	GROSS ALPHA		
Sample Collected:	10/04/1994	Findings:	6.870 PC/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	10/04/1994	Findings:	4.500 PC/L
Chemical:	GROSS BETA COUNTING ERROR		
Sample Collected:	10/04/1994	Findings:	13.900 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	10/04/1994	Findings:	1.020 UG/L
Chemical:	CHLOROFORM (THM)		
Sample Collected:	10/04/1994	Findings:	7.640 UG/L
Chemical:	TETRACHLOROETHYLENE		
Sample Collected:	10/04/1994	Findings:	1.070 UG/L
Chemical:	1,2-DICHLOROETHANE		
Sample Collected:	10/04/1994	Findings:	196.000 UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	10/04/1994	Findings:	6.960 UG/L
Chemical:	CIS-1,2-DICHLOROETHYLENE		
Sample Collected:	10/04/1994	Findings:	1.020 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	11/01/1994	Findings:	.990 UG/L
Chemical:	CHLOROFORM (THM)		
Sample Collected:	11/01/1994	Findings:	7.540 UG/L
Chemical:	TETRACHLOROETHYLENE		
Sample Collected:	11/01/1994	Findings:	1.170 UG/L
Chemical:	1,2-DICHLOROETHANE		
Sample Collected:	11/01/1994	Findings:	189.000 UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	11/01/1994	Findings:	7.000 UG/L
Chemical:	CIS-1,2-DICHLOROETHYLENE		
Sample Collected:	11/01/1994	Findings:	.990 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	12/08/1994	Findings:	1.020 UG/L
Chemical:	CHLOROFORM (THM)		
Sample Collected:	12/08/1994	Findings:	10.600 UG/L
Chemical:	TETRACHLOROETHYLENE		
Sample Collected:	12/08/1994	Findings:	1.100 UG/L
Chemical:	1,2-DICHLOROETHANE		

GEOCHECK: PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	12/08/1994	Findings:	208.000 UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	12/08/1994	Findings:	7.860 UG/L
Chemical:	CIS-1,2-DICHLOROETHYLENE		
Sample Collected:	12/08/1994	Findings:	1.020 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	01/17/1995	Findings:	3390.000 UG/L
Chemical:	NITRATE NITROGEN (NO3-N)		
Sample Collected:	01/17/1995	Findings:	5.710 PC/L
Chemical:	GROSS ALPHA		
Sample Collected:	01/17/1995	Findings:	1.940 PC/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	01/17/1995	Findings:	5.240 PC/L
Chemical:	GROSS BETA		
Sample Collected:	01/17/1995	Findings:	4.420 PC/L
Chemical:	GROSS BETA COUNTING ERROR		
Sample Collected:	01/17/1995	Findings:	1.020 UG/L
Chemical:	CHLOROFORM (THM)		
Sample Collected:	01/17/1995	Findings:	13.100 UG/L
Chemical:	TETRACHLOROETHYLENE		
Sample Collected:	01/17/1995	Findings:	1.150 UG/L
Chemical:	1,2-DICHLOROETHANE		
Sample Collected:	01/17/1995	Findings:	192.000 UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	01/17/1995	Findings:	15.030 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	01/17/1995	Findings:	8.290 UG/L
Chemical:	CIS-1,2-DICHLOROETHYLENE		
Sample Collected:	01/17/1995	Findings:	1.020 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	02/07/1995	Findings:	1.050 UG/L
Chemical:	CHLOROFORM (THM)		
Sample Collected:	02/07/1995	Findings:	14.600 UG/L
Chemical:	TETRACHLOROETHYLENE		
Sample Collected:	02/07/1995	Findings:	1.320 UG/L
Chemical:	1,2-DICHLOROETHANE		
Sample Collected:	02/07/1995	Findings:	189.000 UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	02/07/1995	Findings:	8.820 UG/L
Chemical:	CIS-1,2-DICHLOROETHYLENE		
Sample Collected:	02/07/1995	Findings:	1.050 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	03/07/1995	Findings:	1.000 UG/L
Chemical:	CHLOROFORM (THM)		
Sample Collected:	03/07/1995	Findings:	16.700 UG/L
Chemical:	TETRACHLOROETHYLENE		
Sample Collected:	03/07/1995	Findings:	.990 UG/L
Chemical:	1,2-DICHLOROETHANE		
Sample Collected:	03/07/1995	Findings:	183.000 UG/L
Chemical:	TRICHLOROETHYLENE		

RECOCHECK - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	03/07/1995	Findings:	8.050 UG/L
Chemical:	CIS-1,2-DICHLOROETHYLENE		
Sample Collected:	03/07/1995	Findings:	1.000 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	04/04/1995	Findings:	4.950 PC/L
Chemical:	GROSS ALPHA		
Sample Collected:	04/04/1995	Findings:	1.670 PC/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	04/04/1995	Findings:	4.220 PC/L
Chemical:	GROSS BETA		
Sample Collected:	04/04/1995	Findings:	3.120 PC/L
Chemical:	GROSS BETA COUNTING ERROR		
Sample Collected:	04/04/1995	Findings:	.980 UG/L
Chemical:	CHLOROFORM (THM)		
Sample Collected:	04/04/1995	Findings:	16.300 UG/L
Chemical:	TETRACHLOROETHYLENE		
Sample Collected:	04/04/1995	Findings:	1.140 UG/L
Chemical:	1,2-DICHLOROETHANE		
Sample Collected:	04/04/1995	Findings:	172.000 UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	04/04/1995	Findings:	14.420 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	04/04/1995	Findings:	7.880 UG/L
Chemical:	CIS-1,2-DICHLOROETHYLENE		
Sample Collected:	04/04/1995	Findings:	.960 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	07/18/1995	Findings:	5.330 PC/L
Chemical:	GROSS ALPHA		
Sample Collected:	07/18/1995	Findings:	1.890 PC/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	07/18/1995	Findings:	3.210 PC/L
Chemical:	GROSS BETA COUNTING ERROR		
Sample Collected:	07/18/1995	Findings:	6.010 PC/L
Chemical:	URANIUM		
Sample Collected:	07/18/1995	Findings:	.740 UG/L
Chemical:	CHLOROFORM (THM)		
Sample Collected:	07/18/1995	Findings:	17.400 UG/L
Chemical:	TETRACHLOROETHYLENE		
Sample Collected:	07/18/1995	Findings:	.630 UG/L
Chemical:	1,2-DICHLOROETHANE		
Sample Collected:	07/18/1995	Findings:	154.000 UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	07/18/1995	Findings:	14.700 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	07/18/1995	Findings:	7.210 UG/L
Chemical:	CIS-1,2-DICHLOROETHYLENE		
Sample Collected:	07/18/1995	Findings:	.740 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	07/18/1995	Findings:	1.380 PC/L
Chemical:	URANIUM COUNTING ERROR		

GEOCHECK® PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	10/10/1995	Findings:	5.080 PC/L
Chemical:	GROSS ALPHA		
Sample Collected:	10/10/1995	Findings:	2.110 PC/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	10/10/1995	Findings:	6.310 PC/L
Chemical:	URANIUM		
Sample Collected:	10/10/1995	Findings:	.700 UG/L
Chemical:	CHLOROFORM (THM)		
Sample Collected:	10/10/1995	Findings:	20.100 UG/L
Chemical:	TETRACHLOROETHYLENE		
Sample Collected:	10/10/1995	Findings:	154.000 UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	10/10/1995	Findings:	14.700 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	10/10/1995	Findings:	6.600 UG/L
Chemical:	CIS-1,2-DICHLOROETHYLENE		
Sample Collected:	10/10/1995	Findings:	.700 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	10/10/1995	Findings:	2.970 PC/L
Chemical:	URANIUM COUNTING ERROR		
Sample Collected:	12/12/1995	Findings:	.720 UG/L
Chemical:	CHLOROFORM (THM)		
Sample Collected:	12/12/1995	Findings:	27.500 UG/L
Chemical:	TETRACHLOROETHYLENE		
Sample Collected:	12/12/1995	Findings:	180.000 UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	12/12/1995	Findings:	6.570 UG/L
Chemical:	CIS-1,2-DICHLOROETHYLENE		
Sample Collected:	12/12/1995	Findings:	.720 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	01/09/1996	Findings:	7.040 PC/L
Chemical:	GROSS ALPHA		
Sample Collected:	01/09/1996	Findings:	2.420 PC/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	01/09/1996	Findings:	5.760 PC/L
Chemical:	GROSS BETA		
Sample Collected:	01/09/1996	Findings:	3.050 PC/L
Chemical:	GROSS BETA COUNTING ERROR		
Sample Collected:	01/09/1996	Findings:	3.010 PC/L
Chemical:	URANIUM		
Sample Collected:	01/09/1996	Findings:	.610 UG/L
Chemical:	CHLOROFORM (THM)		
Sample Collected:	01/09/1996	Findings:	25.700 UG/L
Chemical:	TETRACHLOROETHYLENE		
Sample Collected:	01/09/1996	Findings:	145.000 UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	01/09/1996	Findings:	15.000 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	01/09/1996	Findings:	5.990 UG/L
Chemical:	CIS-1,2-DICHLOROETHYLENE		

GEOCHECK - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	01/09/1996	Findings:	.610 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	01/09/1996	Findings:	.910 PC/L
Chemical:	URANIUM COUNTING ERROR		
Sample Collected:	04/02/1996	Findings:	7.530 PC/L
Chemical:	GROSS ALPHA		
Sample Collected:	04/02/1996	Findings:	2.400 PC/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	04/02/1996	Findings:	4.640 PC/L
Chemical:	GROSS BETA COUNTING ERROR		
Sample Collected:	04/02/1996	Findings:	6.220 PC/L
Chemical:	URANIUM		
Sample Collected:	04/02/1996	Findings:	1.300 UG/L
Chemical:	CHLOROFORM (THM)		
Sample Collected:	04/02/1996	Findings:	39.000 UG/L
Chemical:	TETRACHLOROETHYLENE		
Sample Collected:	04/02/1996	Findings:	.940 UG/L
Chemical:	1,2-DICHLOROETHANE		
Sample Collected:	04/02/1996	Findings:	324.000 UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	04/02/1996	Findings:	29.600 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	04/02/1996	Findings:	12.800 UG/L
Chemical:	CIS-1,2-DICHLOROETHYLENE		
Sample Collected:	04/02/1996	Findings:	1.300 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	04/02/1996	Findings:	2.270 PC/L
Chemical:	URANIUM COUNTING ERROR		
Sample Collected:	07/30/1996	Findings:	5.080 PC/L
Chemical:	GROSS ALPHA		
Sample Collected:	07/30/1996	Findings:	1.590 PC/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	07/30/1996	Findings:	4.770 PC/L
Chemical:	URANIUM		
Sample Collected:	07/30/1996	Findings:	.600 UG/L
Chemical:	CHLOROFORM (THM)		
Sample Collected:	07/30/1996	Findings:	32.300 UG/L
Chemical:	TETRACHLOROETHYLENE		
Sample Collected:	07/30/1996	Findings:	152.000 UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	07/30/1996	Findings:	15.030 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	07/30/1996	Findings:	4.790 UG/L
Chemical:	CIS-1,2-DICHLOROETHYLENE		
Sample Collected:	07/30/1996	Findings:	.600 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	07/30/1996	Findings:	1.140 PC/L
Chemical:	URANIUM COUNTING ERROR		
Sample Collected:	10/01/1996	Findings:	5.810 PC/L
Chemical:	GROSS ALPHA		

GEOCHECK - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	10/01/1996	Findings:	1.680 PC/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	10/01/1996	Findings:	.510 UG/L
Chemical:	CHLOROFORM (THM)		
Sample Collected:	10/01/1996	Findings:	31.200 UG/L
Chemical:	TETRACHLOROETHYLENE		
Sample Collected:	10/01/1996	Findings:	138.000 UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	10/01/1996	Findings:	14.800 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	10/01/1996	Findings:	4.130 UG/L
Chemical:	CIS-1,2-DICHLOROETHYLENE		
Sample Collected:	10/01/1996	Findings:	.510 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	10/01/1996	Findings:	1.460 PC/L
Chemical:	URANIUM COUNTING ERROR		
Sample Collected:	02/11/1997	Findings:	5.440 PC/L
Chemical:	GROSS ALPHA		
Sample Collected:	02/11/1997	Findings:	1.500 PC/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	02/11/1997	Findings:	4.830 PC/L
Chemical:	URANIUM		
Sample Collected:	02/11/1997	Findings:	24.700 UG/L
Chemical:	TETRACHLOROETHYLENE		
Sample Collected:	02/11/1997	Findings:	84.400 UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	02/11/1997	Findings:	11.700 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	02/11/1997	Findings:	2.080 UG/L
Chemical:	CIS-1,2-DICHLOROETHYLENE		
Sample Collected:	02/11/1997	Findings:	1.710 PC/L
Chemical:	URANIUM COUNTING ERROR		
Sample Collected:	05/13/1997	Findings:	6.390 PC/L
Chemical:	GROSS ALPHA		
Sample Collected:	05/13/1997	Findings:	2.340 PC/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	05/13/1997	Findings:	6.820 PC/L
Chemical:	URANIUM		
Sample Collected:	05/13/1997	Findings:	.530 UG/L
Chemical:	CHLOROFORM (THM)		
Sample Collected:	05/13/1997	Findings:	43.400 UG/L
Chemical:	TETRACHLOROETHYLENE		
Sample Collected:	05/13/1997	Findings:	184.000 UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	05/13/1997	Findings:	15.900 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	05/13/1997	Findings:	4.340 UG/L
Chemical:	CIS-1,2-DICHLOROETHYLENE		
Sample Collected:	05/13/1997	Findings:	.530 UG/L
Chemical:	TOTAL TRIHALOMETHANES		

PROCHECK - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	05/13/1997	Findings:	1.840 PC/L
Chemical:	URANIUM COUNTING ERROR		
Sample Collected:	06/24/1997	Findings:	553.000 UMHO
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	06/24/1997	Findings:	7.345
Chemical:	PH (LABORATORY)		
Sample Collected:	06/24/1997	Findings:	182.000 MG/L
Chemical:	TOTAL ALKALINITY (AS CaCO3)		
Sample Collected:	06/24/1997	Findings:	222.040 MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	06/24/1997	Findings:	232.000 MG/L
Chemical:	TOTAL HARDNESS (AS CaCO3)		
Sample Collected:	06/24/1997	Findings:	63.500 MG/L
Chemical:	CALCIUM		
Sample Collected:	06/24/1997	Findings:	15.500 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	06/24/1997	Findings:	30.200 MG/L
Chemical:	SODIUM		
Sample Collected:	06/24/1997	Findings:	3.550 MG/L
Chemical:	POTASSIUM		
Sample Collected:	06/24/1997	Findings:	24.500 MG/L
Chemical:	CHLORIDE		
Sample Collected:	06/24/1997	Findings:	.579 MG/L
Chemical:	FLUORIDE (TEMPERATURE DEPENDENT)		
Sample Collected:	06/24/1997	Findings:	19.000 UG/L
Chemical:	CHROMIUM (TOTAL)		
Sample Collected:	06/24/1997	Findings:	357.000 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	06/24/1997	Findings:	17.400 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	06/24/1997	Findings:	240 NTU
Chemical:	TURBIDITY (LAB)		
Sample Collected:	07/15/1997	Findings:	4.650 PC/L
Chemical:	GROSS ALPHA		
Sample Collected:	07/15/1997	Findings:	2.040 PC/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	07/15/1997	Findings:	.540 UG/L
Chemical:	CHLOROFORM (THM)		
Sample Collected:	07/15/1997	Findings:	52.400 UG/L
Chemical:	TETRACHLOROETHYLENE		
Sample Collected:	07/15/1997	Findings:	176.000 UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	07/15/1997	Findings:	16.200 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	07/15/1997	Findings:	4.240 UG/L
Chemical:	CIS-1,2-DICHLOROETHYLENE		
Sample Collected:	07/15/1997	Findings:	.540 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	08/05/1997	Findings:	20.000 UG/L
Chemical:	CHROMIUM (TOTAL)		

REGCHECKS - PHYSICAL SETTING-SOURCE MAP FINDINGS

Sample Collected:	09/02/1997	Findings:	16.000 UG/L
Chemical:	CHROMIUM (TOTAL)		
Sample Collected:	10/07/1997	Findings:	6.960 PC/L
Chemical:	GROSS ALPHA		
Sample Collected:	10/07/1997	Findings:	2.210 PC/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	10/07/1997	Findings:	2.410 PC/L
Chemical:	URANIUM		
Sample Collected:	10/07/1997	Findings:	.560 UG/L
Chemical:	CHLOROFORM (THM)		
Sample Collected:	10/07/1997	Findings:	64.500 UG/L
Chemical:	TETRACHLOROETHYLENE		
Sample Collected:	10/07/1997	Findings:	173.000 UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	10/07/1997	Findings:	17.500 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	10/07/1997	Findings:	4.250 UG/L
Chemical:	CIS-1,2-DICHLOROETHYLENE		
Sample Collected:	10/07/1997	Findings:	.560 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	10/07/1997	Findings:	.820 PC/L
Chemical:	URANIUM COUNTING ERROR		
Sample Collected:	10/08/1997	Findings:	19.100 UG/L
Chemical:	CHROMIUM (TOTAL)		
Sample Collected:	01/06/1998	Findings:	10.500 UG/L
Chemical:	TETRACHLOROETHYLENE		
Sample Collected:	01/06/1998	Findings:	17.800 UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	01/06/1998	Findings:	4.900 MG/L
Chemical:	NITRATE (AS NO3)		

A2
WNW
0 - 1/8 Mile
Lower

CA WELLS 589

Water System Information:

Prime Station Code:	01N/14W-11Q01 S	User ID:	4TH
FRDS Number:	1910179002	County:	Los Angeles
District Number:	07	Station Type:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Water Type:	Well/Groundwater	Well Status:	Active Raw
Source Lat/Long:	341100.0 1181900.0	Precision:	Undefined
Source Name:	WELL 07		
System Number:	1910179		
System Name:	BURBANK-CITY, WATER DEPT.		
Organization That Operates System:	-		
	PO BOX 631		
	BURBANK, CA 91503		
Pop Served:	93643	Connections:	25731
Area Served:	BURBANK		

GEOCHECK - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Information: * Only Findings Above Detection Level Are Listed

Sample Collected:	10/31/1989	Findings:	3.000 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	10/31/1989	Findings:	1.000 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	10/31/1989	Findings:	6.000 PCI/L
Chemical:	GROSS BETA		
Sample Collected:	10/31/1989	Findings:	3.000 PCI/L
Chemical:	GROSS BETA COUNTING ERROR		
Sample Collected:	05/01/1991	Findings:	510.000 UMHO
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	05/01/1991	Findings:	7.800
Chemical:	PH (LABORATORY)		
Sample Collected:	05/01/1991	Findings:	46.000 MG/L
Chemical:	CALCIUM		
Sample Collected:	05/01/1991	Findings:	11.000 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	05/01/1991	Findings:	36.000 MG/L
Chemical:	SODIUM		
Sample Collected:	05/01/1991	Findings:	3.800 MG/L
Chemical:	POTASSIUM		
Sample Collected:	05/01/1991	Findings:	23.000 MG/L
Chemical:	CHLORIDE		
Sample Collected:	05/01/1991	Findings:	.460 MG/L
Chemical:	FLUORIDE (TEMPERATURE DEPENDENT)		
Sample Collected:	05/01/1991	Findings:	300.000 UG/L
Chemical:	IRON		
Sample Collected:	05/01/1991	Findings:	1.500 UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	05/01/1991	Findings:	300.000 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	05/01/1991	Findings:	9.200 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	05/01/1991	Findings:	2.000 NTU
Chemical:	TURBIDITY (LAB)		
Sample Collected:	01/05/1993	Findings:	1.100 UG/L
Chemical:	TETRACHLOROETHYLENE		
Sample Collected:	01/05/1993	Findings:	7.000 UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	04/06/1993	Findings:	2700.000 UG/L
Chemical:	NITRATE NITROGEN (NO3-N)		
Sample Collected:	04/06/1993	Findings:	3.700 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	04/06/1993	Findings:	2.000 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	04/06/1993	Findings:	8.900 PCI/L
Chemical:	GROSS BETA		
Sample Collected:	04/06/1993	Findings:	2.100 PCI/L
Chemical:	GROSS BETA COUNTING ERROR		

GEOSURVEY PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	04/06/1993	Findings:	.900 UG/L
Chemical:	CHLOROFORM (THM)		
Sample Collected:	04/06/1993	Findings:	1.200 UG/L
Chemical:	TETRACHLOROETHYLENE		
Sample Collected:	04/06/1993	Findings:	13.000 UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	04/06/1993	Findings:	12.000 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	04/06/1993	Findings:	.900 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	08/17/1993	Findings:	7.900
Chemical:	PH (LABORATORY)		
Sample Collected:	08/17/1993	Findings:	26.400 MG/L
Chemical:	CHLORIDE		
Sample Collected:	08/17/1993	Findings:	4.080 PC/L
Chemical:	GROSS ALPHA		
Sample Collected:	08/17/1993	Findings:	3.780 PC/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	08/17/1993	Findings:	2.840 PC/L
Chemical:	GROSS BETA COUNTING ERROR		
Sample Collected:	08/17/1993	Findings:	295.000 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	08/17/1993	Findings:	9.630 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	08/17/1993	Findings:	.700 NTU
Chemical:	TURBIDITY (LAB)		
Sample Collected:	11/09/1993	Findings:	3170.000 UG/L
Chemical:	NITRATE NITROGEN (NO3-N)		
Sample Collected:	11/09/1993	Findings:	1.900 UG/L
Chemical:	TETRACHLOROETHYLENE		
Sample Collected:	11/09/1993	Findings:	14.100 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	11/09/1993	Findings:	3170.000 UG/L
Chemical:	NITRATE + NITRITE (AS N)		
Sample Collected:	12/07/1993	Findings:	1.020 UG/L
Chemical:	CHLOROFORM (THM)		
Sample Collected:	12/07/1993	Findings:	1.530 UG/L
Chemical:	TETRACHLOROETHYLENE		
Sample Collected:	12/07/1993	Findings:	11.700 UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	12/07/1993	Findings:	1.020 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	12/21/1993	Findings:	1.900 UG/L
Chemical:	TETRACHLOROETHYLENE		
Sample Collected:	12/21/1993	Findings:	17.000 UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	01/21/1994	Findings:	4.450 PC/L
Chemical:	GROSS ALPHA		
Sample Collected:	01/21/1994	Findings:	6.500 PC/L
Chemical:	GROSS ALPHA COUNTING ERROR		

GEOGHECK - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	01/21/1994	Findings:	1.210 UG/L
Chemical:	CHLOROFORM (THM)		
Sample Collected:	01/21/1994	Findings:	2.170 UG/L
Chemical:	TETRACHLOROETHYLENE		
Sample Collected:	01/21/1994	Findings:	21.100 UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	01/21/1994	Findings:	14.640 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	01/21/1994	Findings:	.520 UG/L
Chemical:	CIS-1,2-DICHLOROETHYLENE		
Sample Collected:	01/21/1994	Findings:	1.210 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	03/01/1994	Findings:	7.900
Chemical:	PH (LABORATORY)		
Sample Collected:	03/01/1994	Findings:	1900.000 UG/L
Chemical:	NITRATE NITROGEN (NO3-N)		
Sample Collected:	03/01/1994	Findings:	24.700 MG/L
Chemical:	CHLORIDE		
Sample Collected:	03/01/1994	Findings:	298.000 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	03/01/1994	Findings:	8.400 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	03/01/1994	Findings:	.700 NTU
Chemical:	TURBIDITY (LAB)		
Sample Collected:	03/01/1994	Findings:	1900.000 UG/L
Chemical:	NITRATE + NITRITE (AS N)		
Sample Collected:	04/05/1994	Findings:	1.480 PC/L
Chemical:	GROSS ALPHA		
Sample Collected:	04/05/1994	Findings:	5.440 PC/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	04/05/1994	Findings:	4.400 PC/L
Chemical:	GROSS BETA COUNTING ERROR		
Sample Collected:	04/05/1994	Findings:	1.340 UG/L
Chemical:	CHLOROFORM (THM)		
Sample Collected:	04/05/1994	Findings:	2.570 UG/L
Chemical:	TETRACHLOROETHYLENE		
Sample Collected:	04/05/1994	Findings:	25.200 UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	04/05/1994	Findings:	.520 UG/L
Chemical:	CIS-1,2-DICHLOROETHYLENE		
Sample Collected:	04/05/1994	Findings:	1.340 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	04/06/1994	Findings:	3670.000 UG/L
Chemical:	NITRATE NITROGEN (NO3-N)		
Sample Collected:	04/06/1994	Findings:	16.270 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	04/19/1994	Findings:	557.000 UMHO
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	04/19/1994	Findings:	9.000
Chemical:	PH (LABORATORY)		

GEOCHECK - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	04/19/1994	Findings:	175.000 MG/L
Chemical:	TOTAL ALKALINITY (AS CaCO3)		
Sample Collected:	04/19/1994	Findings:	214.000 MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	04/19/1994	Findings:	3330.000 UG/L
Chemical:	NITRATE NITROGEN (NO3-N)		
Sample Collected:	04/19/1994	Findings:	199.000 MG/L
Chemical:	TOTAL HARDNESS (AS CaCO3)		
Sample Collected:	04/19/1994	Findings:	62.900 MG/L
Chemical:	CALCIUM		
Sample Collected:	04/19/1994	Findings:	15.100 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	04/19/1994	Findings:	39.300 MG/L
Chemical:	SODIUM		
Sample Collected:	04/19/1994	Findings:	28.000 MG/L
Chemical:	CHLORIDE		
Sample Collected:	04/19/1994	Findings:	.560 MG/L
Chemical:	FLUORIDE (TEMPERATURE DEPENDENT)		
Sample Collected:	04/19/1994	Findings:	.040 UG/L
Chemical:	FOAMING AGENTS (MBAS)		
Sample Collected:	04/19/1994	Findings:	316.000 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	04/19/1994	Findings:	14.750 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	04/19/1994	Findings:	.260 NTU
Chemical:	TURBIDITY (LAB)		
Sample Collected:	05/03/1994	Findings:	1.280 UG/L
Chemical:	CHLOROFORM (THM)		
Sample Collected:	05/03/1994	Findings:	2.850 UG/L
Chemical:	TETRACHLOROETHYLENE		
Sample Collected:	05/03/1994	Findings:	27.900 UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	05/03/1994	Findings:	.610 UG/L
Chemical:	CIS-1,2-DICHLOROETHYLENE		
Sample Collected:	05/03/1994	Findings:	1.280 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	06/01/1994	Findings:	7.900
Chemical:	PH (LABORATORY)		
Sample Collected:	06/01/1994	Findings:	2280.000 UG/L
Chemical:	NITRATE NITROGEN (NO3-N)		
Sample Collected:	06/01/1994	Findings:	26.000 MG/L
Chemical:	CHLORIDE		
Sample Collected:	06/01/1994	Findings:	326.000 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	06/01/1994	Findings:	10.100 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	06/01/1994	Findings:	.600 NTU
Chemical:	TURBIDITY (LAB)		
Sample Collected:	06/01/1994	Findings:	2280.000 UG/L
Chemical:	NITRATE + NITRITE (AS N)		

RECHECK - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	07/05/1994	Findings:	1.270 UG/L
Chemical:	CHLOROFORM (THM)		
Sample Collected:	07/05/1994	Findings:	2.770 UG/L
Chemical:	TETRACHLOROETHYLENE		
Sample Collected:	07/05/1994	Findings:	29.400 UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	07/05/1994	Findings:	.830 UG/L
Chemical:	CIS-1,2-DICHLOROETHYLENE		
Sample Collected:	07/05/1994	Findings:	1.270 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	08/16/1994	Findings:	2040.000 UG/L
Chemical:	NITRATE NITROGEN (NO3-N)		
Sample Collected:	08/16/1994	Findings:	5.720 PC/L
Chemical:	GROSS ALPHA		
Sample Collected:	08/16/1994	Findings:	5.950 PC/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	08/16/1994	Findings:	7.360 PC/L
Chemical:	GROSS BETA		
Sample Collected:	08/16/1994	Findings:	4.430 PC/L
Chemical:	GROSS BETA COUNTING ERROR		
Sample Collected:	08/16/1994	Findings:	9.030 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	09/06/1994	Findings:	1.150 UG/L
Chemical:	CHLOROFORM (THM)		
Sample Collected:	09/06/1994	Findings:	2.700 UG/L
Chemical:	TETRACHLOROETHYLENE		
Sample Collected:	09/06/1994	Findings:	39.700 UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	09/06/1994	Findings:	1.350 UG/L
Chemical:	CIS-1,2-DICHLOROETHYLENE		
Sample Collected:	10/04/1994	Findings:	5.790 PC/L
Chemical:	GROSS ALPHA		
Sample Collected:	10/04/1994	Findings:	7.230 PC/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	10/04/1994	Findings:	4.320 PC/L
Chemical:	GROSS BETA COUNTING ERROR		
Sample Collected:	10/04/1994	Findings:	3650.000 UG/L
Chemical:	NITRATE NITROGEN (NO3-N)		
Sample Collected:	10/04/1994	Findings:	16.200 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	10/04/1994	Findings:	1.300 UG/L
Chemical:	CHLOROFORM (THM)		
Sample Collected:	10/04/1994	Findings:	2.670 UG/L
Chemical:	TETRACHLOROETHYLENE		
Sample Collected:	10/04/1994	Findings:	46.300 UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	10/04/1994	Findings:	1.670 UG/L
Chemical:	CIS-1,2-DICHLOROETHYLENE		
Sample Collected:	10/04/1994	Findings:	1.300 UG/L
Chemical:	TOTAL TRIHALOMETHANES		

GEOCHECK - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	11/01/1994	Findings:	1.230 UG/L
Chemical:	CHLOROFORM (THM)		
Sample Collected:	11/01/1994	Findings:	2.250 UG/L
Chemical:	TETRACHLOROETHYLENE		
Sample Collected:	11/01/1994	Findings:	43.200 UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	11/01/1994	Findings:	1.560 UG/L
Chemical:	CIS-1,2-DICHLOROETHYLENE		
Sample Collected:	11/01/1994	Findings:	1.230 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	12/08/1994	Findings:	.710 UG/L
Chemical:	CHLOROFORM (THM)		
Sample Collected:	12/08/1994	Findings:	2.740 UG/L
Chemical:	TETRACHLOROETHYLENE		
Sample Collected:	12/08/1994	Findings:	19.300 UG/L
Chemical:	TRICHLOROFLUOROMETHANE		
Sample Collected:	12/08/1994	Findings:	.710 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	01/17/1995	Findings:	4090.000 UG/L
Chemical:	NITRATE NITROGEN (NO3-N)		
Sample Collected:	01/17/1995	Findings:	4.690 PC/L
Chemical:	GROSS ALPHA		
Sample Collected:	01/17/1995	Findings:	1.810 PC/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	01/17/1995	Findings:	7.430 PC/L
Chemical:	GROSS BETA		
Sample Collected:	01/17/1995	Findings:	4.570 PC/L
Chemical:	GROSS BETA COUNTING ERROR		
Sample Collected:	01/17/1995	Findings:	1.440 UG/L
Chemical:	CHLOROFORM (THM)		
Sample Collected:	01/17/1995	Findings:	3.360 UG/L
Chemical:	TETRACHLOROETHYLENE		
Sample Collected:	01/17/1995	Findings:	44.900 UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	01/17/1995	Findings:	18.130 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	01/17/1995	Findings:	1.770 UG/L
Chemical:	CIS-1,2-DICHLOROETHYLENE		
Sample Collected:	01/17/1995	Findings:	1.440 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	02/07/1995	Findings:	1.420 UG/L
Chemical:	CHLOROFORM (THM)		
Sample Collected:	02/07/1995	Findings:	3.420 UG/L
Chemical:	TETRACHLOROETHYLENE		
Sample Collected:	02/07/1995	Findings:	.560 UG/L
Chemical:	1,2-DICHLOROETHANE		
Sample Collected:	02/07/1995	Findings:	51.400 UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	02/07/1995	Findings:	2.230 UG/L
Chemical:	CIS-1,2-DICHLOROETHYLENE		

GEOCHECK - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	03/07/1995	Findings:	1.230 UG/L
Chemical:	CHLOROFORM (THM)		
Sample Collected:	03/07/1995	Findings:	3.280 UG/L
Chemical:	TETRACHLOROETHYLENE		
Sample Collected:	03/07/1995	Findings:	.530 UG/L
Chemical:	1,2-DICHLOROETHANE		
Sample Collected:	03/07/1995	Findings:	48.500 UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	03/07/1995	Findings:	2.080 UG/L
Chemical:	CIS-1,2-DICHLOROETHYLENE		
Sample Collected:	03/07/1995	Findings:	1.230 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	04/04/1995	Findings:	4.190 PC/L
Chemical:	GROSS ALPHA		
Sample Collected:	04/04/1995	Findings:	1.550 PC/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	04/04/1995	Findings:	5.580 PC/L
Chemical:	GROSS BETA		
Sample Collected:	04/04/1995	Findings:	3.210 PC/L
Chemical:	GROSS BETA COUNTING ERROR		
Sample Collected:	04/04/1995	Findings:	1.090 UG/L
Chemical:	CHLOROFORM (THM)		
Sample Collected:	04/04/1995	Findings:	2.670 UG/L
Chemical:	TETRACHLOROETHYLENE		
Sample Collected:	04/04/1995	Findings:	.760 UG/L
Chemical:	1,2-DICHLOROETHANE		
Sample Collected:	04/04/1995	Findings:	49.200 UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	04/04/1995	Findings:	15.790 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	04/04/1995	Findings:	2.210 UG/L
Chemical:	CIS-1,2-DICHLOROETHYLENE		
Sample Collected:	04/04/1995	Findings:	1.090 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	07/18/1995	Findings:	.840 UG/L
Chemical:	CHLOROFORM (THM)		
Sample Collected:	07/18/1995	Findings:	2.880 UG/L
Chemical:	TETRACHLOROETHYLENE		
Sample Collected:	07/18/1995	Findings:	43.200 UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	07/18/1995	Findings:	16.300 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	07/18/1995	Findings:	2.600 UG/L
Chemical:	CIS-1,2-DICHLOROETHYLENE		
Sample Collected:	07/18/1995	Findings:	.840 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	10/10/1995	Findings:	6.390 PC/L
Chemical:	GROSS ALPHA		
Sample Collected:	10/10/1995	Findings:	2.290 PC/L
Chemical:	GROSS ALPHA COUNTING ERROR		

GEOCHECK - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	10/10/1995	Findings:	8.630 PC/L
Chemical:	URANIUM		
Sample Collected:	10/10/1995	Findings:	.900 UG/L
Chemical:	CHLOROFORM (THM)		
Sample Collected:	10/10/1995	Findings:	3.300 UG/L
Chemical:	TETRACHLOROETHYLENE		
Sample Collected:	10/10/1995	Findings:	52.200 UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	10/10/1995	Findings:	15.500 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	10/10/1995	Findings:	3.600 UG/L
Chemical:	CIS-1,2-DICHLOROETHYLENE		
Sample Collected:	10/10/1995	Findings:	.900 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	10/10/1995	Findings:	3.110 PC/L
Chemical:	URANIUM COUNTING ERROR		
Sample Collected:	12/12/1995	Findings:	.600 UG/L
Chemical:	CHLOROFORM (THM)		
Sample Collected:	12/12/1995	Findings:	2.860 UG/L
Chemical:	TETRACHLOROETHYLENE		
Sample Collected:	12/12/1995	Findings:	48.400 UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	12/12/1995	Findings:	2.860 UG/L
Chemical:	CIS-1,2-DICHLOROETHYLENE		
Sample Collected:	12/12/1995	Findings:	.600 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	01/09/1996	Findings:	6.880 PC/L
Chemical:	GROSS ALPHA		
Sample Collected:	01/09/1996	Findings:	2.400 PC/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	01/09/1996	Findings:	4.880 PC/L
Chemical:	GROSS BETA		
Sample Collected:	01/09/1996	Findings:	3.020 PC/L
Chemical:	GROSS BETA COUNTING ERROR		
Sample Collected:	01/09/1996	Findings:	3.350 PC/L
Chemical:	URANIUM		
Sample Collected:	01/09/1996	Findings:	.870 UG/L
Chemical:	CHLOROFORM (THM)		
Sample Collected:	01/09/1996	Findings:	3.900 UG/L
Chemical:	TETRACHLOROETHYLENE		
Sample Collected:	01/09/1996	Findings:	50.700 UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	01/09/1996	Findings:	17.900 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	01/09/1996	Findings:	4.160 UG/L
Chemical:	CIS-1,2-DICHLOROETHYLENE		
Sample Collected:	01/09/1996	Findings:	.870 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	01/09/1996	Findings:	.930 PC/L
Chemical:	URANIUM COUNTING ERROR		

GEOCHECKS - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	04/02/1996	Findings:	7.040 PC/L
Chemical:	GROSS ALPHA		
Sample Collected:	04/02/1996	Findings:	2.340 PC/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	04/02/1996	Findings:	4.810 PC/L
Chemical:	GROSS BETA COUNTING ERROR		
Sample Collected:	04/02/1996	Findings:	4.750 PC/L
Chemical:	URANIUM		
Sample Collected:	04/02/1996	Findings:	1.020 UG/L
Chemical:	CHLOROFORM (THM)		
Sample Collected:	04/02/1996	Findings:	7.000 UG/L
Chemical:	TETRACHLOROETHYLENE		
Sample Collected:	04/02/1996	Findings:	85.700 UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	04/02/1996	Findings:	18.200 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	04/02/1996	Findings:	5.600 UG/L
Chemical:	CIS-1,2-DICHLOROETHYLENE		
Sample Collected:	04/02/1996	Findings:	1.020 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	04/02/1996	Findings:	2.000 PC/L
Chemical:	URANIUM COUNTING ERROR		
Sample Collected:	07/30/1996	Findings:	4.540 PC/L
Chemical:	GROSS ALPHA		
Sample Collected:	07/30/1996	Findings:	1.500 PC/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	07/30/1996	Findings:	.830 UG/L
Chemical:	CHLOROFORM (THM)		
Sample Collected:	07/30/1996	Findings:	4.590 UG/L
Chemical:	TETRACHLOROETHYLENE		
Sample Collected:	07/30/1996	Findings:	56.200 UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	07/30/1996	Findings:	18.030 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	07/30/1996	Findings:	4.020 UG/L
Chemical:	CIS-1,2-DICHLOROETHYLENE		
Sample Collected:	07/30/1996	Findings:	.830 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	10/01/1996	Findings:	4.020 PC/L
Chemical:	GROSS ALPHA		
Sample Collected:	10/01/1996	Findings:	1.520 PC/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	10/01/1996	Findings:	.780 UG/L
Chemical:	CHLOROFORM (THM)		
Sample Collected:	10/01/1996	Findings:	4.910 UG/L
Chemical:	TETRACHLOROETHYLENE		
Sample Collected:	10/01/1996	Findings:	47.200 UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	10/01/1996	Findings:	18.700 MG/L
Chemical:	NITRATE (AS NO3)		

GEOCHECK - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	10/01/1996	Findings:	3.790 UG/L
Chemical:	CIS-1,2-DICHLOROETHYLENE		
Sample Collected:	10/01/1996	Findings:	.780 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	02/11/1997	Findings:	6.110 PC/L
Chemical:	GROSS ALPHA		
Sample Collected:	02/11/1997	Findings:	1.560 PC/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	02/11/1997	Findings:	5.350 PC/L
Chemical:	URANIUM		
Sample Collected:	02/11/1997	Findings:	2.950 UG/L
Chemical:	TETRACHLOROETHYLENE		
Sample Collected:	02/11/1997	Findings:	12.300 UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	02/11/1997	Findings:	11.300 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	02/11/1997	Findings:	1.810 PC/L
Chemical:	URANIUM COUNTING ERROR		
Sample Collected:	05/13/1997	Findings:	6.060 PC/L
Chemical:	GROSS ALPHA		
Sample Collected:	05/13/1997	Findings:	2.290 PC/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	05/13/1997	Findings:	3.890 PC/L
Chemical:	URANIUM		
Sample Collected:	05/13/1997	Findings:	.550 UG/L
Chemical:	CHLOROFORM (THM)		
Sample Collected:	05/13/1997	Findings:	7.660 UG/L
Chemical:	TETRACHLOROETHYLENE		
Sample Collected:	05/13/1997	Findings:	58.000 UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	05/13/1997	Findings:	18.200 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	05/13/1997	Findings:	3.420 UG/L
Chemical:	CIS-1,2-DICHLOROETHYLENE		
Sample Collected:	05/13/1997	Findings:	.550 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	05/13/1997	Findings:	1.500 PC/L
Chemical:	URANIUM COUNTING ERROR		
Sample Collected:	06/24/1997	Findings:	570.000 UMHO
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	06/24/1997	Findings:	7.360
Chemical:	PH (LABORATORY)		
Sample Collected:	06/24/1997	Findings:	179.000 MG/L
Chemical:	TOTAL ALKALINITY (AS CaCO3)		
Sample Collected:	06/24/1997	Findings:	218.380 MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	06/24/1997	Findings:	228.000 MG/L
Chemical:	TOTAL HARDNESS (AS CaCO3)		
Sample Collected:	06/24/1997	Findings:	63.200 MG/L
Chemical:	CALCIUM		

GEOCHEMICAL PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	06/24/1997	Findings:	14.800 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	06/24/1997	Findings:	35.200 MG/L
Chemical:	SODIUM		
Sample Collected:	06/24/1997	Findings:	3.390 MG/L
Chemical:	POTASSIUM		
Sample Collected:	06/24/1997	Findings:	30.500 MG/L
Chemical:	CHLORIDE		
Sample Collected:	06/24/1997	Findings:	.534 MG/L
Chemical:	FLUORIDE (TEMPERATURE DEPENDENT)		
Sample Collected:	06/24/1997	Findings:	14.000 UG/L
Chemical:	CHROMIUM (TOTAL)		
Sample Collected:	06/24/1997	Findings:	54.000 UG/L
Chemical:	ALUMINUM		
Sample Collected:	06/24/1997	Findings:	384.000 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	06/24/1997	Findings:	19.000 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	06/24/1997	Findings:	.300 NTU
Chemical:	TURBIDITY (LAB)		
Sample Collected:	07/15/1997	Findings:	4.880 PC/L
Chemical:	GROSS ALPHA		
Sample Collected:	07/15/1997	Findings:	1.870 PC/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	07/15/1997	Findings:	.650 UG/L
Chemical:	CHLOROFORM (THM)		
Sample Collected:	07/15/1997	Findings:	6.470 UG/L
Chemical:	TETRACHLOROETHYLENE		
Sample Collected:	07/15/1997	Findings:	52.700 UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	07/15/1997	Findings:	18.700 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	07/15/1997	Findings:	3.530 UG/L
Chemical:	CIS-1,2-DICHLOROETHYLENE		
Sample Collected:	07/15/1997	Findings:	.650 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	08/05/1997	Findings:	14.200 UG/L
Chemical:	CHROMIUM (TOTAL)		
Sample Collected:	10/07/1997	Findings:	7.710 PC/L
Chemical:	GROSS ALPHA		
Sample Collected:	10/07/1997	Findings:	2.300 PC/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	10/07/1997	Findings:	4.440 PC/L
Chemical:	URANIUM		
Sample Collected:	10/07/1997	Findings:	.670 UG/L
Chemical:	CHLOROFORM (THM)		
Sample Collected:	10/07/1997	Findings:	6.510 UG/L
Chemical:	TETRACHLOROETHYLENE		
Sample Collected:	10/07/1997	Findings:	39.000 UG/L
Chemical:	TRICHLOROETHYLENE		

GEOCHECK - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	10/07/1997	Findings:	19.500 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	10/07/1997	Findings:	3.180 UG/L
Chemical:	CIS-1,2-DICHLOROETHYLENE		
Sample Collected:	10/07/1997	Findings:	.670 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	10/07/1997	Findings:	1.050 PCI/L
Chemical:	URANIUM COUNTING ERROR		
Sample Collected:	10/08/1997	Findings:	11.200 UG/L
Chemical:	CHROMIUM (TOTAL)		
Sample Collected:	11/11/1997	Findings:	10.900 UG/L
Chemical:	CHROMIUM (TOTAL)		
Sample Collected:	01/06/1998	Findings:	14.100 MG/L
Chemical:	NITRATE (AS NO3)		

A3
WNW
0 - 1/8 Mile
Lower

CA WELLS 22942

Water System Information:

Prime Station Code:	G19/179-VOACEFF	User ID:	4TH
FRDS Number:	1910179013	County:	Los Angeles
District Number:	07	Station Type:	WELL/AMBNT/MUN/INTAKE
Water Type:	Well/Groundwater	Well Status:	Combined Treated
Source Lat/Long:	341100.0 1181900.0	Precision:	100 Feet (one Second)
Source Name:	GAC - COMBINED EFFLUENT		
System Number:	1910179		
System Name:	BURBANK-CITY, WATER DEPT.		
Organization That Operates System:	PO BOX 631		
	BURBANK, CA 91503		
Pop Served:	93643	Connections:	25731
Area Served:	BURBANK		

Sample Information: * Only Findings Above Detection Level Are Listed

Sample Collected:	12/07/1993	Findings:	1.070 UG/L
Chemical:	BROMODICHLORMETHANE (THM)		
Sample Collected:	12/07/1993	Findings:	1.070 UG/L
Chemical:	BROMOFORM (THM)		
Sample Collected:	12/07/1993	Findings:	1.400 UG/L
Chemical:	DIBROMOCHLOROMETHANE (THM)		
Sample Collected:	12/07/1993	Findings:	1.340 UG/L
Chemical:	CHLOROFORM (THM)		
Sample Collected:	12/07/1993	Findings:	.790 UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	12/07/1993	Findings:	.670 UG/L
Chemical:	CIS-1,2-DICHLOROETHYLENE		
Sample Collected:	12/07/1993	Findings:	4.880 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	01/04/1994	Findings:	8.410 UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	01/04/1994	Findings:	1.240 UG/L
Chemical:	CIS-1,2-DICHLOROETHYLENE		

GEOCHECK - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	01/21/1994	Findings:	.830 UG/L
Chemical:	BROMODICHLORMETHANE (THM)		
Sample Collected:	01/21/1994	Findings:	.790 UG/L
Chemical:	BROMOFORM (THM)		
Sample Collected:	01/21/1994	Findings:	1.230 UG/L
Chemical:	DIBROMOCHLOROMETHANE (THM)		
Sample Collected:	01/21/1994	Findings:	1.570 UG/L
Chemical:	CHLOROFORM (THM)		
Sample Collected:	01/21/1994	Findings:	16.600 UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	01/21/1994	Findings:	1.450 UG/L
Chemical:	CIS-1,2-DICHLOROETHYLENE		
Sample Collected:	01/21/1994	Findings:	4.420 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	03/03/1994	Findings:	4.010 UG/L
Chemical:	BROMODICHLORMETHANE (THM)		
Sample Collected:	03/03/1994	Findings:	2.530 UG/L
Chemical:	DIBROMOCHLOROMETHANE (THM)		
Sample Collected:	03/03/1994	Findings:	3.750 UG/L
Chemical:	CHLOROFORM (THM)		
Sample Collected:	04/05/1994	Findings:	.560 UG/L
Chemical:	DIBROMOCHLOROMETHANE (THM)		
Sample Collected:	04/05/1994	Findings:	.660 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	05/03/1994	Findings:	.650 UG/L
Chemical:	CHLOROFORM (THM)		
Sample Collected:	05/03/1994	Findings:	1.310 UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	05/03/1994	Findings:	.650 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	08/03/1994	Findings:	.780 UG/L
Chemical:	CHLOROFORM (THM)		
Sample Collected:	08/03/1994	Findings:	.890 UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	08/03/1994	Findings:	.620 UG/L
Chemical:	CIS-1,2-DICHLOROETHYLENE		
Sample Collected:	08/03/1994	Findings:	.780 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	08/25/1994	Findings:	9.000
Chemical:	PH (LABORATORY)		
Sample Collected:	08/25/1994	Findings:	41.500 MG/L
Chemical:	CHLORIDE		
Sample Collected:	08/25/1994	Findings:	1.300 UG/L
Chemical:	BROMODICHLORMETHANE (THM)		
Sample Collected:	08/25/1994	Findings:	1.900 UG/L
Chemical:	BROMOFORM (THM)		
Sample Collected:	08/25/1994	Findings:	1.300 UG/L
Chemical:	CHLOROFORM (THM)		
Sample Collected:	08/25/1994	Findings:	363.000 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		

GEOCHECK - PHYSICAL SECTING SOURCE MAP FINDINGS

Sample Collected:	08/25/1994	Findings:	.210 NTU
Chemical:	TURBIDITY (LAB)		
Sample Collected:	08/25/1994	Findings:	4.500 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	12/02/1994	Findings:	7.900
Chemical:	PH (LABORATORY)		
Sample Collected:	12/02/1994	Findings:	3390.000 UG/L
Chemical:	NITRATE NITROGEN (NO3-N)		
Sample Collected:	12/02/1994	Findings:	27.000 MG/L
Chemical:	CHLORIDE		
Sample Collected:	12/02/1994	Findings:	313.000 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	12/02/1994	Findings:	15.000 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	12/02/1994	Findings:	.660 NTU
Chemical:	TURBIDITY (LAB)		
Sample Collected:	12/02/1994	Findings:	.830 UG/L
Chemical:	BROMODICHLORMETHANE (THM)		
Sample Collected:	12/02/1994	Findings:	3.550 UG/L
Chemical:	BROMOFORM (THM)		
Sample Collected:	12/02/1994	Findings:	1.520 UG/L
Chemical:	DIBROMOCHLOROMETHANE (THM)		
Sample Collected:	12/02/1994	Findings:	1.040 UG/L
Chemical:	CHLOROFORM (THM)		
Sample Collected:	12/02/1994	Findings:	3.140 UG/L
Chemical:	TOLUENE		
Sample Collected:	12/02/1994	Findings:	2.670 UG/L
Chemical:	ETHYLBENZENE		
Sample Collected:	12/02/1994	Findings:	.990 UG/L
Chemical:	XYLENES (TOTAL)		
Sample Collected:	12/02/1994	Findings:	6.940 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	12/02/1994	Findings:	.990 UG/L
Chemical:	M,P-XYLENE		
Sample Collected:	01/17/1995	Findings:	5.890 UG/L
Chemical:	BROMOFORM (THM)		
Sample Collected:	01/17/1995	Findings:	.920 UG/L
Chemical:	DIBROMOCHLOROMETHANE (THM)		
Sample Collected:	01/17/1995	Findings:	6.910 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	02/07/1995	Findings:	.630 UG/L
Chemical:	CHLOROFORM (THM)		
Sample Collected:	02/07/1995	Findings:	.620 UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	02/07/1995	Findings:	.630 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	03/07/1995	Findings:	1.630 UG/L
Chemical:	BROMOFORM (THM)		
Sample Collected:	03/07/1995	Findings:	1.630 UG/L
Chemical:	TOTAL TRIHALOMETHANES		

GEOCHECK - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	08/08/1995	Findings:	2.270 UG/L
Chemical:	BROMOFORM (THM)		
Sample Collected:	08/08/1995	Findings:	2.270 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	11/07/1995	Findings:	.800 UG/L
Chemical:	BROMOFORM (THM)		
Sample Collected:	11/07/1995	Findings:	.800 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	01/02/1996	Findings:	.760 UG/L
Chemical:	BROMOFORM (THM)		
Sample Collected:	01/02/1996	Findings:	.630 UG/L
Chemical:	1,1,1-TRICHLOROETHANE		
Sample Collected:	01/02/1996	Findings:	.760 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	02/06/1996	Findings:	.960 UG/L
Chemical:	BROMODICHLORMETHANE (THM)		
Sample Collected:	02/06/1996	Findings:	1.300 UG/L
Chemical:	BROMOFORM (THM)		
Sample Collected:	02/06/1996	Findings:	1.080 UG/L
Chemical:	DIBROMOCHLOROMETHANE (THM)		
Sample Collected:	02/06/1996	Findings:	.800 UG/L
Chemical:	CHLOROFORM (THM)		
Sample Collected:	02/06/1996	Findings:	4.140 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	03/05/1996	Findings:	.760 UG/L
Chemical:	BROMOFORM (THM)		
Sample Collected:	03/05/1996	Findings:	.760 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	07/02/1996	Findings:	.850 UG/L
Chemical:	BROMOFORM (THM)		
Sample Collected:	07/02/1996	Findings:	.640 UG/L
Chemical:	DIBROMOCHLOROMETHANE (THM)		
Sample Collected:	07/02/1996	Findings:	1.490 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	08/29/1996	Findings:	516.000 UMHO
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	08/29/1996	Findings:	6.900
Chemical:	PH (LABORATORY)		
Sample Collected:	08/29/1996	Findings:	159.000 MG/L
Chemical:	TOTAL ALKALINITY (AS CaCO3)		
Sample Collected:	08/29/1996	Findings:	20.000 MG/L
Chemical:	CHLORIDE		
Sample Collected:	08/29/1996	Findings:	24.400 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	08/29/1996	Findings:	.240 NTU
Chemical:	TURBIDITY (LAB)		
Sample Collected:	10/31/1996	Findings:	573.000 UMHO
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	10/31/1996	Findings:	8.200
Chemical:	PH (LABORATORY)		

GEOCHEMICAL PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	10/31/1996	Findings:	45.500 MG/L
Chemical:	CHLORIDE		
Sample Collected:	10/31/1996	Findings:	349.000 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	10/31/1996	Findings:	3.760 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	10/31/1996	Findings:	.290 NTU
Chemical:	TURBIDITY (LAB)		
Sample Collected:	10/31/1996	Findings:	1.570 UG/L
Chemical:	BROMODICHLORMETHANE (THM)		
Sample Collected:	10/31/1996	Findings:	.870 UG/L
Chemical:	DIBROMOCHLOROMETHANE (THM)		
Sample Collected:	10/31/1996	Findings:	2.060 UG/L
Chemical:	CHLOROFORM (THM)		
Sample Collected:	10/31/1996	Findings:	4.500 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	11/05/1996	Findings:	.690 UG/L
Chemical:	BROMODICHLORMETHANE (THM)		
Sample Collected:	11/05/1996	Findings:	.570 UG/L
Chemical:	BROMOFORM (THM)		
Sample Collected:	11/05/1996	Findings:	.650 UG/L
Chemical:	DIBROMOCHLOROMETHANE (THM)		
Sample Collected:	11/05/1996	Findings:	.740 UG/L
Chemical:	CHLOROFORM (THM)		
Sample Collected:	11/05/1996	Findings:	2.650 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	01/07/1997	Findings:	1.310 UG/L
Chemical:	BROMOFORM (THM)		
Sample Collected:	01/07/1997	Findings:	1.310 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	05/06/1997	Findings:	1.160 UG/L
Chemical:	BROMOFORM (THM)		
Sample Collected:	05/06/1997	Findings:	1.160 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	10/08/1997	Findings:	12.500 UG/L
Chemical:	CHROMIUM (TOTAL)		

4
 South
 1/4 - 1/2 Mile
 Lower

FED USGS USGS0138338

GEOCHECK - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency:	USGS	Site ID:	341040118185901
Site Name:	001N014W11Q001S		
Dec. Latitude:	34.17778		
Dec. Longitude:	-118.3173		
Coord Sys:	NAD83		
State:	CA		
County:	Los Angeles County		
Altitude:	Not Reported		
Hydrologic code:	18070105		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	Not Reported	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	608		
Hole depth:	630	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

5
South
1/4 - 1/2 Mile
Lower

FED USGS USGS0138337

Agency:	USGS	Site ID:	341037118185301
Site Name:	001N014W14B008S		
Dec. Latitude:	34.17695		
Dec. Longitude:	-118.31563		
Coord Sys:	NAD83		
State:	CA		
County:	Los Angeles County		
Altitude:	Not Reported		
Hydrologic code:	18070105		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	Not Reported	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	453		
Hole depth:	498	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

6
ESE
1/4 - 1/2 Mile
Higher

FRDS PWS CA1910179

PWS ID:	CA1910179	PWS Status:	Not Reported
Date Initiated:	Not Reported	Date Deactivated:	Not Reported
PWS Name:	BURBANK-CITY, WATER DEPT. BURBANK, CA 915030631		

Treatment Objective: INORGANICS REMOVAL
Treatment Process: RAPID MIX
Source: Purchases surface water

GEDONECK - PHYSICAL SETTING SOURCE MAP FINDINGS

Addressee / Facility: Not Reported

Facility Latitude: 34 10 50

Facility Longitude: 118 18 29

City Served: BURBANK

Treatment Class: Mixed (treated and untreated)

Population: 93643

PWS currently has or had major violation(s) or enforcement:

No

GEOCHECK - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zip	Total Sites	> 4 pCi/L	Pct. > 4 pCi/L
91502	16	0	0.00

Federal EPA Radon Zone for LOS ANGELES County: 2

Note: Zone 1 indoor average level > 4 pCi/L.
 : Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
 : Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for LOS ANGELES COUNTY, CA

Number of sites tested: 63

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.711 pCi/L	98%	2%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	0.933 pCi/L	100%	0%	0%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002. 7.5-Minute DEMs correspond to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps.

HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 from the U.S. Fish and Wildlife Service.

HYDROGEOLOGIC INFORMATION

AQUIFLOW[®] Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

ADDITIONAL ENVIRONMENTAL RECORD SOURCES

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

California Drinking Water Quality Database

Source: Department of Health Services

Telephone: 916-324-2319

The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

California Oil and Gas Well Locations for District 2, 3, 5 and 6

Source: Department of Conservation

Telephone: 916-323-1779

RADON

State Database: CA Radon

Source: Department of Health Services

Telephone: 916-324-2208

Radon Database for California

Area Radon Information

Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones

Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRRA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities

Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater

Source: Department of Commerce, National Oceanic and Atmospheric Administration

California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

**PARCEL ACQUISITION SITE INVESTIGATION
777 NORTH FRONT STREET
I-5 SOUTHBOUND, BETWEEN
MAGNOLIA AND BURBANK AVENUES
07-LA-5; PM 28.1/31.9
BURBANK, CALIFORNIA
TASK ORDER NO. 15, EA NO. 121831
CONTRACT NO. 07A2211**

PREPARED FOR:

State of California
Department of Transportation
District 7, Division of Planning, 12th Floor, MS-16
Office of Environmental Engineering and Corridor Studies
100 South Main Street
Los Angeles, California 90012

PREPARED BY:

Ninyo & Moore
Geotechnical and Environmental Sciences Consultants
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June 30, 2009
Project No. 207126015

June 30, 2009
Project No. 207126015

Dr. Ayubur Rahman
State of California
Department of Transportation
District 7, 12th Floor, MS-16
Office of Environmental Engineering and Corridor Studies
100 South Main Street
Los Angeles, California 90012

Subject: Parcel Acquisition Site Investigation
777 North Front Street
I-5 Southbound between Magnolia and Burbank Avenues,
07-LA-5; PM 28.1/31.9
Burbank, California
Task Order No. 15; EA No. 121831
Contract No. 07A2211

Dear Mr. Rahman:

Ninyo & Moore has prepared this report to document the procedures and results for soil and soil vapor sampling conducted at 777 North Front Street, in Burbank, California. Fieldwork was conducted by Ninyo & Moore on April 20 through 24, 2009, in accordance with the State of California, Department of Transportation (Department) Contract No. 07A2211, Task Order No. 15 and Ninyo & Moore's work plan dated April 3, 2009. A description of field procedures and results, figures, tables, and appendices are attached. We appreciate the opportunity to provide service on this project.

Sincerely,
NINYO & MOORE



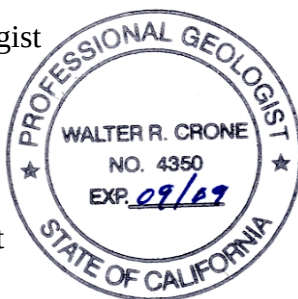
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EXECUTIVE SUMMARY

The Department is planning to acquire a portion of the property located at 777 North Front Street in order to construct high occupancy vehicle (HOV) lanes along Interstate 5 (I-5). The site will be used for widening the I-5 by replacing the existing retaining wall to the west of the site.

Former activities at the 777 North Front included metal and foam packaging operations, sulfuric anodizing operations, chromate conversion coating operations, and iron phosphate operations conducted by the Zero Manufacturing Corporation from 1975 to 1991. Contaminants of concern based on past site uses include tetrachloroethylene (PCE), trichloroethylene (TCE), 1,1,1-trichloroethane (1,1,1-TCA), 1,1-dichloroethene (1,1-DCE), and fuel products. Investigation and remediation activities were conducted from 1991 to 2001. The Regional Water Quality Control Board (RWQCB) issued a Certification of Completion in 2002 for the site investigation and remedial action conducted at the 777 North Front Street property.

Based on the results of this assessment the following conclusions have been made:

- Concentrations of volatile organic compounds (VOCs), metals, polychlorinated biphenyls (PCBs), semivolatile organic compounds (SVOCs), petroleum hydrocarbons, and pH were detected in the soil samples collected at the site at levels below the site specific clean up goals approved by the RWQCB. Chlorinated VOCs associated with off site sources or the San Fernando Valley Superfund Site (Superfund Site) were detected in low concentrations in some soil samples collected at the site. With the exception of one boring (1001-117), chlorinated VOCs were not detected in soil samples collected deeper than 5 feet bgs. In boring 1001-117, the deepest sample analyzed (40 feet bgs) did not contain detectable VOCs. As was discussed in the April 15, 2001, Hydro Geo Chem report, site soil does not appear to be a source of chlorinated VOC contamination because soil concentrations are low relative to other affected media such as soil vapor.
- PCE, TCE, freon 113, chloroform, toluene, 1,1,1-TCA, 1,1-DCE, 1,1,2-trichloroethane (1,1,2-TCA), and total petroleum hydrocarbons gasoline (TPHg) range were detected in soil vapor samples collected at the site. Concentrations of PCE and TCE exceeded California Human Health Screening Levels (CHHSLs). Concentrations of freon 113, chloroform, toluene, 1,1,1-TCA, 1,1-DCE, 1,1,2-TCA, and TPHg did not exceed CHHSLs. Freon 113, toluene, and chloroform were not detected in soil samples, so their source is likely off site. An on-site source for TPHg and the five chlorinated solvents that were detected in soil vapor, PCE, TCE, 1,1,1-TCA, 1,1-DCE, and 1,1,2-TCA, was not identified. The soil vapor contamination appears most elevated along the northwestern edge of the site. Impacts to the site likely have an off-site source and off-gassing from contaminated groundwater beneath the site associated with the Superfund Site may be contributing to the VOCs in soil vapor.

For these reasons there is a low likelihood that this site has contributed to contamination associated with the Superfund Site. It would appear that a rebound in soil vapor concentrations has occurred since the site was remediated as a portion of the 777 North Front Street property. However, these rebounded concentrations remain below the site clean up goals (Appendix G) approved by the RWQCB. Because the soil vapor PCE concentrations have increased from less than approximately 2,000 micrograms per cubic meter ($\mu\text{g}/\text{m}^3$) following remediation in 2001 to as much as 52,400 $\mu\text{g}/\text{m}^3$ reported in this study, there is a possibility that VOC concentrations could continue to increase and possibly exceed site clean-up goals of 71,000 $\mu\text{g}/\text{m}^3$, additional remedial action may be required. Insufficient data regarding the location, nature, concentration, and mass of the likely off-site source of VOC and groundwater beneath the site does not allow the likelihood of such a possible outcome to be estimated.

- Concentrations of PCE in soil vapor ranged from less than the detection limit of 20 to 52,400 $\mu\text{g}/\text{m}^3$. Concentrations of PCE in soil ranged from less than the detection limit of 5.5 to 63 micrograms per kilogram ($\mu\text{g}/\text{kg}$). Concentrations of TPH $\text{C}_4\text{-C}_{12}$ in soil were less than the detection limit of 1.0 mg/kg. Concentrations of TPH $\text{C}_{13}\text{-C}_{22}$ in soil ranged from less than the detection limit of 10 to 300 milligrams per kilogram (mg/kg). Concentrations of TPH $\text{C}_{23}\text{-C}_{32}$ in soil ranged from less than the detection limit of 10 to 1,300 mg/kg. Concentrations of TPH $>\text{C}_{32}$ in soil ranged from less than the detection limit of 10 to 1,800 mg/kg. Soil with detectable concentrations of petroleum hydrocarbons, approximately 16,500 cubic yards of soil from the surface to 20 feet below ground surface (bgs), would be classified as petroleum contaminated non-hazardous waste if it were disturbed during construction activities (e.g., excavation, grading). No detectable concentrations of petroleum hydrocarbons were reported in the site soil from depths of 20 to 40 feet bgs, so soil generated during construction activities at depths greater than 20 feet bgs would be considered clear of hazardous waste. Excavated site soil from the upper 20 feet containing petroleum hydrocarbon detections can be treated, recycled, reused, or disposed at a Class III disposal facility after acceptance from the selected facility as petroleum contaminated non-hazardous waste, based on their criterion (Refer to Appendix F, Figures 3, 5a, 5b, 5c, and 5d for further details). The source of petroleum hydrocarbon contamination in site soil is likely from the past property operations which for the most part occurred off site, or from sources such as spills, releases, etc. located off site. A specific source of petroleum hydrocarbon contamination in site soil was not located on site.
- The estimated cost to excavate, transport, and dispose the approximately 16,500 cubic yards of petroleum contaminated non-hazardous soil expected to be generated and the estimated cost to perform vapor monitoring and suppression for the remaining earth moving activities is approximately \$1,300,000 to \$2,000,000. The cost tables are presented in Appendix F.
- Residential land use CHHSLs are generally considered adequate for sensitive uses such as day-care centers, hospitals and the like, some of which house sensitive receptors such as toddlers, the elderly or even immune-compromised patients on a full time basis. For this reason, the CHHSLs are relatively conservative compared to the Threshold Limit Values

(TLVs) and Occupational Safety and Health Administration (OSHA) Permissible Exposure Limits (PELs), which were developed for healthy adults of working age and are based upon 8-hour exposures and 40 hour work weeks. Based on the TLVs and PELs the VOCs and TPHg concentrations detected in the soil vapor samples do not pose a risk to worker safety. Even so, it is recommended that the results of this site investigation (SI) be used in the development of a site-specific health and safety plan (HSP) for the proposed construction, because chemical exposure to site workers may still occur under certain conditions.

Based on the results of this assessment, Ninyo & Moore recommends the following:

- Prepare and implement a lead compliance plan due to the presence of lead in the soil.
- Prepare and implement a fugitive dust mitigation plan based on South Coast Air Quality Monitoring District (SCAQMD) Rule 403.
- Apply for and implement a SCAQMD Site Specific Rule 1166 permit for VOC contaminated soil excavation exceeding 2,000 cubic yards in a two year period.
- Prepare and implement a HSP for the proposed construction. Although the chemicals detected in soil and soil vapor are present in concentrations below risk levels, preparation of a HSP is still recommended to address worker safety.
- Soil containing petroleum hydrocarbons that is disturbed during construction activities should be removed and disposed or recycled as petroleum contaminated non-hazardous waste. If the department has the ability to reuse petroleum contaminated soil on the site, this would be allowed based on the soil analytical results; the maximum TPH C₄-C₁₂ concentration was less than the detection limit of 10 mg/kg that is less than the screening level of 500 mg/kg, the maximum TPH C₁₃-C₂₂ concentration was 300 mg/kg that is less than the screening level of 1,000 mg/kg, and the maximum TPH C₂₃-C₃₂ concentration was 1,300 mg/kg that is less than the screening level of 10,000 mg/kg, as specified in the RWQCB Interim Site Assessment & Cleanup Guidebook. Additional options for soil disposal may present themselves based on possible regulatory agency review and approval. We have not relied on this possibility in considering disposal options because we do not know what potential reuse options might exist in order to evaluate possible regulatory agency. This is a waste-handling requirement only, classification of site soil as petroleum contaminated non-hazardous waste does not indicate the need for site remediation or health and safety requirements.
- Based on the results of the analytical data and the proposed future site use, additional environmental assessment is not warranted.

1. INTRODUCTION

In accordance with the State of California, Department of Transportation (Department) Contract No. 07A2211, Task Order No. 15 (TO 15) and Ninyo & Moore's work plan dated April 3, 2009 (work plan), Ninyo & Moore has performed a parcel acquisition site assessment (SI) at a portion of 777 North Front Street in Burbank, California (site; Figure 1). This report has been prepared in general accordance with the work plan. This report is based on conditions at the site at the time of the sampling activities and provides documentation of our findings and recommendations.

1.1. Project Location

The project includes a portion of the private property at 777 North Front Street in Burbank, California (site, Figure 1). This currently vacant strip of land will be used for widening the Interstate 5 (I-5) by replacing the existing retaining wall to the west of the site. The site will be a partial-take by the Department as part of the reconfiguration project. The partial-take is within the former Zero Corporation portion of the 777 North Front Street property.

1.2. Proposed Project

Two HOV lanes will be constructed on the I-5. The widened freeway will be placed in private properties which the Department is planning to acquire. In support of the project, Ninyo & Moore has conducted a SI at the aforementioned site.

1.3. Site Description

The site is a strip of land on the northeast side of the 777 North Front Street property in Burbank, California. Adjacent to the northeast of the site is the Department right-of-way. Adjacent to the southwest of the site is the remainder of the 777 North Front Street property beyond which is North Front Street.

2. ENVIRONMENTAL SETTING

2.1. Geology/Hydrogeology

The site is within the northwestern block of the Los Angeles Basin. A majority of this province consists of alluvium, lake, playa, and terrace deposits, and unconsolidated and semi-consolidated sedimentary deposits. According to the Soil Survey of Los Angeles County, published by the United States Department of Agriculture Soil Conservation Service, dated June 1967, revised December 1969, the near surface soil associations underlying the site belong primarily to the Hanford association and the Tujunga-Soboba association.

Soil encountered during drilling activities was primarily layers of brown sand, silty sand, clayey sand, and sandy silt with trace gravel.

The site is within the San Fernando Valley Groundwater Basin of Los Angeles. Groundwater uses in the basin as designated by the Regional Water Quality Control Board (RWQCB) include, but are not limited to, municipal and domestic supply, industrial services and process supply, and agricultural supply. The closest surface water to the site is the Burbank Western Channel approximately 500 feet south of the site. The channel flows southeast into the Los Angeles River.

Drinking water in the San Fernando Valley Basin has been contaminated with trichloroethylene (TCE) and tetrachloroethylene (PCE) from numerous sources. Several plumes of contaminated groundwater are referred to collectively as the San Fernando Valley Superfund Site (Superfund Site). Based on the information provided by the United States Environmental Protection Agency (EPA), the site is within the portion of the Superfund Site known as the Burbank Operable Unit.

Based on the information obtained from the State Water Resources Control Board (SWRCB) Geotracker Website and obtained during the file reviews, the depth to groundwater in the site vicinity is approximately 100 feet below ground surface (bgs); the groundwater flow direction in the site vicinity is to the southeast. Based on this SI, groundwater beneath the site is present at depths greater than 100 feet bgs.

3. PROPERTY BACKGROUND RESEARCH

This site is located in the Superfund Site. Sometime between 1992 to 1995, the EPA placed this property on the List of Remedial Action Special Notice Recipients. Being on this list indicates that the owners of the property were potentially responsible for response actions taken by EPA pursuant to the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) for activities related to the Superfund Site.

Based on an Initial Site Assessment Report by Professional Services Industries (PSI), dated June 26, 2003, Zero Manufacturing Company performed metal stamping on this parcel and was a large-scale generator of hazardous waste. This property was identified to have recognized environmental conditions, as it was listed on the CERLIS/NFRAP, UNIQUE CO FINDS UST and GNRTR databases. The PSI report indicates that: “no further investigation is required by the Department of Toxic Substances Control (DTSC)”.

Ninyo & Moore contacted the DTSC, the RWQCB and the Burbank Fire Department (BFD) to request a file review for the 777 North Front Street property. Copies of documents reviewed are included in Appendix B of the work plan. Based on the documents reviewed, the following were noted:

- Past operations (1975-1991) at the property include metal and foam packaging operations, sulfuric anodizing operations, chromate conversion coating operations, and iron phosphate operations.
- 1975 – Violation issued for discharging waste water with elevated chromium concentrations by the City of Burbank Public Works Department.
- Various waste manifests reviewed indicating the accumulation of waste solvent, waste oil, waste acids, and paint sludge at the site. Chemicals routinely used at the property include: 1,1,1-trichloroethane (1,1,1-TCA), hydrochloric acid, nitric acid, chromic acid (aluminum coating process), sodium hydroxide, paint thinner, and hydraulic oil.
- 1991-1994 – Initial site investigations indicated the presence of volatile organic compounds (VOC) contamination in the soil. The following chemicals were reported above cleanup levels: PCE, TCE, 1,1,1-TCA, and 1,1-dichloroethene (1,1-DCE).
- 1998-1999 – Approved “Phase I” work plan initiated to remediate shallow soil contamination areas on the property to depths of 20 feet. A soil vapor extraction (SVE) system was

installed to remediate shallow soil contamination. Specific areas addressed in the Phase I remediation activities could not be determined based on the files reviewed by Ninyo & Moore.

- 1999-2000 – Approved “Phase II” work plan initiated to remediate deep soil and groundwater contamination to depths greater than 75 feet. Phase II work included a dual completion SVE system allowing for air sparging. Specific areas addressed in the Phase II remediation activities could not be determined based on the files reviewed by Ninyo & Moore.
- RWQCB requested additional soil and groundwater sampling for the evaluation of chromium, methyl tertiary butyl ether (MTBE) and 1,4-dioxane. Analytical results from 2000 do not indicate the presence of 1,4-dioxane or MTBE in the vicinity of the proposed sampling. Information regarding the results of chromium evaluation were unavailable in the files reviewed by Ninyo & Moore.
- PCE, TCE, and chloroform were reported in the groundwater in the vicinity of the proposed sampling locations. Documents indicate that five monitoring wells were installed in the area of the proposed sampling locations (MW1, and MW-7 through MW-10).
- References were made to a “no further action” determination of Phase I activities by RWQCB. However, actual RWQCB letters were not available for review. References made to a “no further requirements” determination of Phase II activities dated November 28, 2001. However, actual RWQCB letters were not available for review.
- Records reviewed from the BFD indicate two, 5,000-gallon, underground storage tanks (UST) containing flammable liquids installed in 1975. Records show that two, 5,000-gallon USTs were removed from the property on July 8, 1987. The location of the USTs could not be determined based on the records reviewed. A hand drawn figure of the property dated August 19, 1985, shows four clarifiers and makes reference to several tanks throughout the southern portion of the property along North Front Street. None of the USTs, aboveground storage tank (ASTs) or clarifiers appear to be in the area of the site.
- Groundwater direction varies in the site vicinity due primarily to pumping by the City of Burbank (south of the site) or Lockheed (northwest of the site, possibly as part of remediation activities in the site vicinity). The most recent groundwater data was from 2000, which shows groundwater flowing in a southeasterly direction. Groundwater levels during remediation activities ranged from 94 and 126 feet bgs.
- Groundwater in the site vicinity may still be impacted by VOCs, primarily TCE. Reports prepared on behalf of Zero Manufacturing by Hydro Geo Chem (HGC) suggest an upgradient, off-site source.
- Ninyo & Moore interviewed a RWQCB case manager familiar with the site who stated that he was unaware of requirements by the RWQCB for continued action at the site and that it was his understanding that the case was closed.

A report prepared by HGC called Results of Site Remediation and Request for No Further Action, dated April 5, 2001 is summarized as follows: Remediation was performed at the APW facility between May 1998 and October 2000 in the form of two phases of SVE to remove VOCs from the property soil. Based on HGC's estimates, approximately 8,000 pounds of VOCs were removed from the property via SVE including PCE, TCE, 1,1-DCE, 1,1,1-TCA, and fuel products. According to HGC, VOC concentrations from surface to 60 to 85 feet bgs have been reduced to below property cleanup goals. However, property cleanup goals were still exceeded for some VOCs, mainly TCE, in soil close to the water table. HGC attributes this to volatilization from TCE in the groundwater and suggests it is the result of an off-site source. The site cleanup goals were described in their Table 6 which is presented in Appendix B of the work plan.

HGC concluded that because VOC mass removal rates had been reduced to approximately 1.5 pounds of VOCs per day (mainly fuel components) and the VOC mass removal rates showed asymptotic behavior, continuing SVE would provide little benefit. They concluded that the system had effectively removed VOC concentrations to below property cleanup goals in most site areas.

HGC noted that in the boring B-2 area, shallow PCE concentrations rebounded, but the rebound concentrations remained below the property cleanup goals. They suspected the rebound was the result of reduced SVE efficiency within an old concrete floor buried near the surface in the area. It is unclear from the figures provided in the HGC report the location of boring B-2.

HGC also concluded that shallow and intermediate depth soil had non-detectable or 'very low' TCE concentrations and the suspected source of the TCE concentrations in soil gas samples collected from near the water table is the groundwater contaminated from an off-site source rather than a source on the property.

Based on the conclusions above, HGC recommended the SVE system be shut down, continued groundwater monitoring cease, and no further action be required for the property.

On June 30, 2002, the RWQCB issued a Certification of Completion for the former Zero Corporation facility at 777 North Front Street. The certification indicated the SI and remedial action (RA) at the property has been satisfactorily completed and a permanent remedy has been accom-

plished; applicable RA standards and objectives were achieved; and the responsible party has complied with the requirements of all state and local laws, ordinances, regulations, and standards that are applicable to the SI and RA.

The certification did not state to which levels the property had been remediated or if disturbance of property soil would constitute a construction worker hazard. The certification also did not state what the accomplished permanent remedy was. A copy of the certification and the accompanying RWQCB letter (dated July 1, 2002) are included in Appendix B of the work plan.

4. OBJECTIVES

The objective of this SI was to evaluate the potential existence of soil, soil vapor, and groundwater contamination at the site. The Department will be obtaining part of the parcel for the widening project. The SI will evaluate the presence of possible contaminants that may exceed the acceptable regulatory limits or compromise the safety of the construction workers on site. Project depths are not expected to exceed 40 feet bgs. The SI identifies the concentration of contaminants in the subsurface so that worker safety can be addressed during construction and handling and/or disposal of excess soil can be evaluated. The information obtained may be used to help the Project Engineer estimate the volume of soil impacted, and the cost for remedial activities and/or for the appraisal for the acquisition.

5. SCOPE OF WORK

The following scope of work was performed in accordance with the work plan.

5.1. Site-Specific Health and Safety Plan

Ninyo & Moore prepared and provided a site-specific HSP, under separate cover, based on the scope of work and potential hazards observed during site reconnaissance. The HSP covered the field activities conducted by Ninyo & Moore personnel and was approved by a California Certified Industrial Hygienist (CIH).

The HSP was prepared in accordance with applicable local, state, and federal regulations. The HSP included health and safety requirements related to the proposed scope of the project and planned fieldwork activities.

5.2. Site Investigation

5.2.1. Site Reconnaissance

Ninyo & Moore and the Department visited the site on February 26, 2009. Twelve locations were marked with white spray paint at the approximate locations shown as borings 1001-101 through 1001-111 and 1001-201 and 1001-202 on Figure 2. The remaining borings (1001-112 through 1001-120) were installed as step-out borings based on initial soil vapor results from the first 12 borings.

5.2.2. Underground Service Alert (USA)

Ninyo & Moore obtained an inquiry identification number from USA at least 48 hours prior to start of work at the site. This number was obtained for the proposed SI borings.

5.2.3. Geophysical Survey

The investigation areas were evaluated by a geophysical subcontractor in order to locate utilities or other interferences which might interfere with sampling.

5.2.4. Soil Sampling

Twenty direct push borings were advanced and sampled on the site at the approximate locations shown on Figure 2. Four samples were collected from borings 1001-101 through 1001-112 at 2, 5, 10, and 20 feet bgs. Four samples were collected from borings 1001-113 and 1001-114 at 25, 30, 35, and 40 feet bgs. Eight samples were collected from borings 1001-115, 1001-118, 1001-119, and 1001-120 at depths of 2, 5, 10, 20, 25, 30, 35, and 40 feet bgs. Seven soil samples were collected from boring 1001-116 at depths of 5, 10, 20, 25, 30, 35, and 40 feet bgs.

5.2.5. Sampling Procedures - Soil

Soil borings were located based on the site reconnaissance, surface markings, geophysical survey, and initial sampling. Soil samples were collected using a hydraulic push rig and a hollow-stem auger. Excess soil not collected as a sample was placed in a Department of Transportation (DOT) approved container and stored on the site pending removal. Please refer to Appendix A for specific procedures.

Sample containers were labeled with boring number, unique Department ID number, and sample depth. Sampling information, time, date of sample collection, sample matrix type, turn-around-time, container type, requested analysis, and other information was recorded on the chain-of-custody. Soil samples were stored in an ice chest for transport to an Environmental Laboratory Accreditation Program (ELAP) certified laboratory within 24 hours of collection.

5.2.6. Groundwater Sampling

Two borings 1001-201-G and 1001-202-G were advanced with a hollow-stem auger to 100 feet bgs to attempt to collect grab groundwater samples. Groundwater was not encountered during drilling. The borings were terminated and backfilled the same day.

5.2.7. Soil Vapor Sampling Procedures

Two soil vapor samples were collected from borings 1001-101 through 1001-112 at depths of 5 and 15 feet bgs. Two soil vapor samples were collected from borings 1001-113, 1001-114, and 1001-117 at depths of 25 and 40 feet bgs. Four soil vapor samples were collected from borings 1001-115, 1001-116, and 1001-118 through 1001-120 at depths of 5, 15, 25, and 40 feet bgs. If elevated concentrations of VOCs were detected in the 15 foot bgs vapor probe then additional samples were collected at depths of 25 and 40 feet bgs in that probe vicinity, with Department approval. Soil vapor samples were collected to evaluate gross and significant concentrations of VOCs in the vapor phase. The soil vapor samples were collected in accordance with the DTSC RWQCB guidance for active soil gas investigations and the procedures outlined in Appendix C of

the work plan. Soil vapor samples were analyzed on site by a state certified mobile laboratory.

5.2.8. Decontamination

Clean and decontaminated sampling equipment was used for each borehole location. Sampling equipment was decontaminated between boreholes to prevent introduction of foreign materials and cross contamination. Specific decontamination procedures are described in Appendix A.

Soil and decontamination water generated from the soil survey on the private properties were placed in DOT approved drums and stored on the site pending removal. The drums were subsequently transported to the Crosby & Overton disposal facility in Long Beach, California. A copy of the disposal documentation is presented in Appendix D.

5.2.9. Investigative Derived Wastes (IDW)

Discarded equipment/items, such as gloves and pails, were disposed of accordingly. IDW is not considered hazardous and can be disposed of at a permitted disposal facility. Discarded equipment that is to be disposed of, which can still be re-used, was rendered inoperable prior to its disposal in the refuse facility at the direction of the Department.

5.3. GPS Data Collection

Borings were located and marked in the field using the Departments GPS NAD83 datum. Investigative data for each boring, sample, and test performed were entered into an electronic Microsoft Access 2000 database file. Borings were identified by a unique identification number system. Analytic data for each boring is included in the database file (Appendix E).

5.4. Laboratory Analysis

Selected soil samples were analyzed for VOCs by EPA Method 8260B/5035; total petroleum hydrocarbons (TPH) in the gasoline, diesel, C₄-C₁₂, C₁₃-C₂₂, C₂₃-C₃₂, and greater than C₃₂

ranges by modified EPA Method 8015/5035; PCBs by EPA Method 8082; SVOCs by EPA Method 8270C; pH by EPA Method 9045C; and Title 22 Metals by EPA Method 6010B.

Soil vapor samples were analyzed for VOCs and TPHg by EPA Method 8260B and in accordance with the DTSC/RWQCB guidance for active soil gas investigations.

The laboratory detection and reporting limits for the analyses are reported as the Method Detection Limit (MDL) and Practical Quantitation Limit (PQL). Soil vapor samples were analyzed by an on-site state-certified mobile laboratory operated by Jones Environmental. Soil samples were analyzed by Advanced Technology Laboratories (ATL), a state-certified laboratory in Signal Hill, California.

5.5. Quality Control and Quality Assurance (QA/QC)

5.5.1. Field QA/QC

Field procedures, including decontamination of field sampling equipment, described in Appendix A, were utilized to ensure quality of samples during field sampling. Duplicate samples were collected. The number of duplicate samples to be collected was approximately 10 percent of the total number of samples collected from the site. Duplicate samples were collected, numbered, and packaged in the same manner as other samples. Rinsate blank (equipment blank) samples were collected at a rate of one per day and consisted of distilled water poured through decontaminated sampling equipment. A trip blank was included in each cooler containing VOC soil samples.

5.5.2. Laboratory QA/QC

ATL analyzed samples in accordance with the requirements of their in-house QA/QC program (a copy of which will be provided to the Department upon request) and the requirements of contract 07A2211.

Jones Environmental analyzed soil vapor samples in accordance with the DTSC/RWQCB Guidance for Soil Gas Investigations.

6. ANALYTICAL RESULTS

6.1. Chemical Results for Soil Samples

Results of the chemical analyses of soil samples are summarized in Table 1, Table 2, and Table 3. Selected data are presented on Figures 3 and 5. Boring logs are included in Appendix B. A copy of the laboratory reports is included in Appendix C. Analytical results are also presented in the attached Access database file (Appendix E). Chemical results for the soil samples collected during the current assessment are summarized as follows:

- Concentrations of PCE were detected in sixteen soil samples with the highest detected concentration of 63 micrograms per kilogram ($\mu\text{g/kg}$) in soil sample 1001-112-2-S. A detected concentration of TCE in soil sample 1001-103-2-S of 5.4 $\mu\text{g/kg}$ was reported. The concentrations of PCE and TCE detected are below their respective EPA preliminary remediation goals for industrial properties (PRGi) (PCE – 2,700 $\mu\text{g/kg}$; TCE – 14,000 $\mu\text{g/kg}$).
- One soil sample exceeded 10 times the State of California Soluble Threshold Limit Concentration (STLC) for lead: 1001-112-2-S (100 milligrams per kilogram [mg/kg]). The sample was subsequently analyzed for soluble lead by California Waste Extraction Test (WET) and a detected concentration of 2.4 milligrams per liter (mg/l) was reported. Detected concentrations of other Title 22 Metals were below 10 times their respective STLCs.
- Hexavalent chromium was detected in four samples with the greatest concentration of 0.18 mg/kg in soil sample 1001-106-5-S. The concentrations of hexavalent chromium detected are below the PRGi of 200 mg/kg .
- Diesel range organics were detected in twenty-five samples with the greatest concentration of 970 mg/kg in soil sample 1001-111-2-S. Gasoline range organics were not detected. TPH $\text{C}_4\text{-C}_{12}$ was not detected. TPH $\text{C}_{13}\text{-C}_{22}$ was detected in nineteen samples with the greatest concentration of 300 mg/kg in soil sample 1001-111-2-S. TPH $\text{C}_{23}\text{-C}_{32}$ was detected in twenty-one samples with the greatest concentration of 1,300 mg/kg in soil sample 1001-111-2-S. TPH $>\text{C}_{32}$ was detected in twelve samples with the greatest concentration of 1,800 mg/kg in soil sample 1001-111-2-S. The maximum concentrations detected are less than the maximum soil screening level (SSL) (Diesel - 1000 mg/kg ; TPH $\text{C}_{13}\text{-C}_{22}$ – 1,000 mg/kg ; TPH $\text{C}_{23}\text{-C}_{32}$ – 10,000 mg/kg ; TPH $>\text{C}_{32}$ – 10,000 mg/kg) for the protection of groundwater published by the Los Angeles Regional Water Quality Control Board (LARWQCB).
- PCBs were detected in one sample with concentration of 28 $\mu\text{g/kg}$ of aroclor 1260 in sample 1001-104-2-S. The concentration is below the PRGi for this aroclor of 740 $\mu\text{g/kg}$.

- SVOC concentrations of phenol were detected in four soil samples. The highest concentration of 1,000 µg/kg was detected in 1001-111-5. The detected concentrations were below the PRGi for phenol of 180,000,000 µg/kg.
- Concentrations of pH detected in soil samples ranged from 6.9 to 9.1.

6.2. Chemical Results for Soil Vapor Samples

Results of the chemical analyses of soil vapor samples are summarized in Table 4. Selected data are presented on Figures 3 and 4. A copy of the laboratory report is included in Appendix C. Results for the soil vapor samples are summarized as follows:

- The twenty soil vapor borings had detectable concentrations of PCE, TCE, freon 113, chloroform, toluene, 1,1,1-TCA, 1,1-DCE, 1,1,2-TCA, and TPHg.
- The greatest concentration of PCE was 52,400 micrograms per cubic meter (µg/m³) in 1001-103-15-SG. The CHHSL for PCE of 603 µg/m³ was exceeded.
- The greatest concentration of TCE was 6,920 µg/m³ in 1001-120-15-SG. The CHHSL for TCE of 1,770 µg/m³ was exceeded.
- The greatest concentration of freon 113 was 195 µg/m³ in 1001-120-40-SG. There is no listed CHHSL for freon 113.
- The greatest concentration of chloroform was 725 µg/m³ in 1001-119-40-SG. There is no listed CHHSL for chloroform.
- The greatest concentration of toluene was 587 µg/m³ in 1001-106-5-SG. The CHHSL for toluene of 378,000 µg/m³ was not exceeded.
- The greatest concentration of 1,1,1-TCA was 1,460 µg/m³ in 1001-116-25-SG. The CHHSL for 1,1,1-TCA of 2,790,000 µg/m³ was not exceeded.
- The greatest concentration of 1,1-DCE was 1,530 µg/m³ in 1001-116-25-SG. There is no listed CHHSL for 1,1-DCE.
- The greatest concentration of 1,1,2-TCA was 235 µg/m³ in 1001-116-40-SG. There is no listed CHHSL for 1,1,2-TCA.
- The greatest concentration of TPHg was 242 µg/m³ in 1001-116-15-SG. There is no listed CHHSL for TPHg.

6.3. Chemical Results for Blank Samples

Results of the chemical analyses of blank samples are summarized in Tables 5 through 7. A copy of the laboratory report is included in Appendix C. Barium, molybdenum, and zinc were detected at 0.0052, 0.022, and 0.018 milligrams per liter (mg/l), respectively, in blank sample ERB-1. These concentrations are below the soil detection limits and are unlikely to have contributed significantly to the soil sample results for that date of sampling (4/20/09). The pH of blank samples ERB-1 and QCEB was 6.5 and 5.8, respectively.

7. ESTIMATED VOLUME OF PETROLEUM IMPACTED SOIL

Based on the distribution of detected petroleum hydrocarbons in soil as shown in Figures 5a through 5d, the upper 2 feet and portions of the next 18 feet (down to approximately 20 feet bgs) will be classified as petroleum contaminated non-hazardous waste and should be recycled or disposed at a Class III disposal facility. The approximate volume of petroleum-impacted soil is estimated to be 16,500 cubic yards. However, confirmation testing should be conducted during earthwork activities.

8. CONCLUSIONS

Based on the results of the assessments conducted to date, the following conclusions have been made:

- Concentrations of VOCs, metals, PCBs, SVOCs, petroleum hydrocarbons, and pH were detected in the soil samples collected at the site at levels below the site specific clean up goals approved by the RWQCB. Chlorinated VOCs associated with off site sources or the Superfund Site were detected in low concentrations in some soil samples collected at the site. With the exception of one boring (1001-117), chlorinated VOCs were not detected in soil samples collected deeper than 5 feet bgs. In boring 1001-117, the deepest sample analyzed (40 feet bgs) did not contain detectable VOCs. As was discussed in the April 15, 2001, Hydro Geo Chem report, site soil does not appear to be a source of chlorinated VOC contamination because soil concentrations are low relative to other affected media such as soil vapor.
- PCE, TCE, freon 113, chloroform, toluene, 1,1,1-TCA, 1,1-DCE, 1,12-TCA, and TPHg range were detected in soil vapor samples collected at the site. Concentrations of PCE and TCE exceeded CHHSLs. Concentrations of freon 113, chloroform, toluene, 1,1,1-TCA, 1,1-

DCE, 1,1,2-TCA, and TPHg did not exceed CHHSLs. Freon 113, toluene, and chloroform were not detected in soil samples, so their source is likely off site. An on-site source for TPHg and the five chlorinated solvents that were detected in soil vapor, PCE, TCE, 1,1,1-TCA, 1,1-DCE, and 1,1,2-TCA, was not identified. The soil vapor contamination appears most elevated along the northwestern edge of the site. Impacts to the site likely have an off-site source and off-gassing from contaminated groundwater beneath the site associated with the Superfund Site may be contributing to the VOCs in soil vapor. For these reasons there is a low likelihood that this site has contributed to contamination associated with the Superfund Site. It would appear that a rebound in soil vapor concentrations has occurred since the site was remediated as a portion of the 777 North Front Street property. However, these rebounded concentrations remain below the site clean up goals (Appendix G) approved by the RWQCB. Because the soil vapor PCE concentrations have increased from less than approximately 2,000 micrograms per cubic meter ($\mu\text{g}/\text{m}^3$) following remediation in 2001 to as much as 52,400 $\mu\text{g}/\text{m}^3$ reported in this study, there is a possibility that VOC concentrations could continue to increase and possibly exceed site clean-up goals of 71,000 $\mu\text{g}/\text{m}^3$, additional remedial action may be required. Insufficient data regarding the location, nature, concentration, and mass of the likely off-site source of VOC and groundwater beneath the site does not allow the likelihood of such a possible outcome to be estimated.

- Concentrations of PCE in soil vapor ranged from less than the detection limit of 20 to 52,400 $\mu\text{g}/\text{m}^3$. Concentrations of PCE in soil ranged from less than the detection limit of 5.5 to 63 $\mu\text{g}/\text{kg}$. Concentrations of TPH $\text{C}_4\text{-C}_{12}$ in soil were less than the detection limit of 1.0 mg/kg. Concentrations of TPH $\text{C}_{13}\text{-C}_{22}$ in soil ranged from less than the detection limit of 10 to 300 mg/kg. Concentrations of TPH $\text{C}_{23}\text{-C}_{32}$ in soil ranged from less than the detection limit of 10 to 1,300 mg/kg. Concentrations of TPH $>\text{C}_{32}$ in soil ranged from less than the detection limit of 10 to 1,800 mg/kg. Soil with detectable concentrations of petroleum hydrocarbons, approximately 16,500 cubic yards of soil from the surface to 20 feet bgs, would be classified as petroleum contaminated non-hazardous waste if it were disturbed during construction activities (e.g., excavation, grading). No detectable concentrations of petroleum hydrocarbons were reported in the site soil from depths of 20 to 40 feet bgs, so soil generated during construction activities at depths greater than 20 feet bgs would be considered clear of hazardous waste. Excavated site soil from the upper 20 feet containing petroleum hydrocarbon detections can be treated, recycled, reused, or disposed at a Class III disposal facility after acceptance from the selected facility as petroleum contaminated non-hazardous waste, based on their criterion (Refer to Appendix F, Figures 3, 5a, 5b, 5c, and 5d for further details). The source of petroleum hydrocarbon contamination in site soil is likely from the past property operations which for the most part occurred off site, or from sources such as spills, releases, etc. located off site. A specific source of petroleum hydrocarbon contamination in site soil was not located on site.
- The estimated cost to excavate, transport, and dispose the approximately 16,500 cubic yards of petroleum contaminated non-hazardous soil expected to be generated and the estimated cost to perform vapor monitoring and suppression for the remaining earth moving activities is approximately \$1,300,000 to \$2,000,000. The cost tables are presented in Appendix F.

- Residential land use CHHSLs are generally considered adequate for sensitive uses such as day-care centers, hospitals and the like, some of which house sensitive receptors such as toddlers, the elderly or even immune-compromised patients on a full time basis. For this reason, the CHHSLs are relatively conservative compared to the TLVs and OSHA PELs, which were developed for healthy adults of working age and are based upon 8-hour exposures and 40 hour work weeks. Based on the TLVs and PELs the VOCs and TPHg concentrations detected in the soil vapor samples do not pose a risk to worker safety. Even so, it is recommended that the results of this SI be used in the development of a site-specific HSP for the proposed construction, because chemical exposure to site workers may still occur under certain conditions.

9. RECOMMENDATIONS

The following recommendations are based on the findings of this assessment.

- Prepare and implement a lead compliance plan due to the presence of lead in the soil.
- Prepare and implement a fugitive dust mitigation plan based on SCAQMD Rule 403.
- Apply for and implement a SCAQMD Site Specific Rule 1166 permit for VOC contaminated soil excavation exceeding 2,000 cubic yards in a two year period.
- Prepare and implement a HSP for the proposed construction. Although the chemicals detected in soil and soil vapor are present in concentrations below risk levels, preparation of a HSP is still recommended to address worker safety.
- Soil containing petroleum hydrocarbons that is disturbed during construction activities should be removed and disposed or recycled as petroleum contaminated non-hazardous waste. If the department has the ability to reuse petroleum contaminated soil on the site, this would be allowed based on the soil analytical results; the maximum TPH C₄-C₁₂ concentration was less than the detection limit of 10 mg/kg that is less than the screening level of 500 mg/kg, the maximum TPH C₁₃-C₂₂ concentration was 300 mg/kg that is less than the screening level of 1,000 mg/kg, and the maximum TPH C₂₃-C₃₂ concentration was 1,300 mg/kg that is less than the screening level of 10,000 mg/kg, as specified in the RWQCB Interim Site Assessment & Cleanup Guidebook. Additional options for soil disposal may present themselves based on possible regulatory agency review and approval. We have not relied on this possibility in considering disposal options because we do not know what potential reuse options might exist in order to evaluate possible regulatory agency. This is a waste-handling requirement only, classification of site soil as petroleum contaminated non-hazardous waste does not indicate the need for site remediation or health and safety requirements.
- Based on the results of the analytical data and the proposed future site use, additional environmental assessment is not warranted.

10. LIMITATIONS

The services outlined in this report have been conducted in a manner generally consistent with current regulatory guidelines. No warranty, expressed or implied, is made regarding the professional opinions presented in this report. Ninyo & Moore's opinions are based on an analysis of observed conditions and on information obtained from third parties. It is likely that variations in soil conditions may exist which were beyond the scope of work.

The samples collected and chemically analyzed and the observations made are believed to be representative of the general area evaluated; however, conditions can vary significantly between sampling locations. The interpretations and opinions contained in this report are based on the results of laboratory tests and analyses intended to detect the presence and measure the concentration of certain chemical or physical constituents in samples collected from the site. The analyses have been conducted by an independent laboratory, which is accredited by the United States EPA and/or certified by the State of California to conduct such analyses. Ninyo & Moore has no involvement in, or control over, such analyses and has no means of confirming the accuracy of laboratory results. Ninyo & Moore, therefore, disclaims any responsibility for inaccuracy in such laboratory results.

This document is intended to be used only in its entirety. No portion of the document, by itself, is designed to completely represent any aspect of the project described herein. Ninyo & Moore should be contacted if the reader requires any additional information, or has questions regarding content, interpretations presented, or completeness of this document. Opinions and judgments expressed herein, which are based on our understanding and interpretation of current regulatory standards, should not be construed as legal opinions.

11. REFERENCES

- Hydro Geo Chem, 2001, Results of Site Remediation and Request for No Further Action, APW Facility, Burbank, California, dated April 5.
- Ninyo & Moore, 2009, Detailed Work Plan for a Parcel Acquisition Site Investigation, 777 North Front Street, I-5 Southbound, between Magnolia and Burbank Avenues, dated April 3.
- Professional Services Industries, 2003, Initial Site Assessment Report, Zero Manufacturing Company, Burbank, California, dated June 26.
- Regional Water Quality Control Board, 2002, Certificate of Completion, Zero Corporation, 777 Front Street, Burbank, California, dated June 30.
- United States Geological Survey (USGS), 7.5-Minute Series, Burbank, California, Topographic Quadrangle Map, dated 1964 and photorevised 1981.

TABLE 1 – SOIL SAMPLE ANALYTICAL TEST RESULTS - VOCs

Sample No.	Depth (feet)	Date Sampled	EPA Method 8260B		
			PCE (µg/kg)	TCE (µg/kg)	Other VOCs (µg/kg)
1001-101-2-S	2	4/20/2009	5.5	ND	ND
1001-101-5-S	5	4/20/2009	22	ND	ND
1001-101-10-S	10	4/20/2009	ND	ND	ND
1001-101-20-S	20	4/20/2009	ND	ND	ND
1001-102-2-S	2	4/20/2009	18	ND	ND
1001-102-5-S	5	4/20/2009	ND	ND	ND
1001-102-10-S	10	4/20/2009	ND	ND	ND
1001-102-20-S	20	4/20/2009	ND	ND	ND
1001-103-2-S	2	4/20/2009	40	5.4	ND
1001-103-5-S	5	4/20/2009	9.9	ND	ND
1001-103-10-S	10	4/20/2009	ND	ND	ND
1001-103-20-S	20	4/20/2009	ND	ND	ND
1001-104-2-S	2	4/20/2009	ND	ND	ND
1001-104-5-S	5	4/20/2009	11	ND	ND
1001-104-10-S	10	4/20/2009	ND	ND	ND
1001-104-20-S	20	4/20/2009	ND	ND	ND
1001-105-2-S	2	4/20/2009	ND	ND	ND
1001-105-5-S	5	4/20/2009	ND	ND	ND
1001-105-10-S	10	4/20/2009	ND	ND	ND
1001-105-20-S	20	4/20/2009	ND	ND	ND
1001-106-2-S	2	4/21/2009	ND	ND	ND
1001-106-5-S	5	4/21/2009	ND	ND	ND
1001-106-10-S	10	4/21/2009	ND	ND	ND
1001-106-20-S	20	4/21/2009	ND	ND	ND
1001-106-20D-S	20	4/21/2009	ND	ND	ND
1001-107-2-S	2	4/21/2009	ND	ND	ND
1001-107-5-S	5	4/21/2009	ND	ND	ND
1001-107-10-S	10	4/21/2009	ND	ND	ND
1001-107-20-S	20	4/21/2009	ND	ND	ND
1001-108-2-S	2	4/21/2009	ND	ND	ND
1001-108-5-S	5	4/21/2009	ND	ND	ND
1001-108-10-S	10	4/21/2009	ND	ND	ND
1001-108-10D-S	10	4/21/2009	ND	ND	ND
1001-108-20-S	20	4/21/2009	ND	ND	ND
1001-109-2-S	2	4/21/2009	6.4	ND	ND
1001-109-5-S	5	4/21/2009	ND	ND	ND
1001-109-10-S	10	4/21/2009	ND	ND	ND
1001-109-20-S	20	4/21/2009	ND	ND	ND
1001-110-2-S	2	4/21/2009	19	ND	ND
1001-110-5-S	5	4/21/2009	ND	ND	ND
1001-110-5D-S	5	4/21/2009	4.9	ND	ND
1001-110-10-S	10	4/21/2009	ND	ND	ND
1001-110-20-S	20	4/21/2009	ND	ND	ND
1001-111-2-S	2	4/20/2009	11	ND	ND
1001-111-2D-S	2	4/20/2009	15	ND	ND
1001-111-5-S	5	4/20/2009	ND	ND	ND
1001-111-10-S	10	4/20/2009	ND	ND	ND
1001-111-20-S	20	4/20/2009	ND	ND	ND
1001-111-20D-S	20	4/20/2009	ND	ND	ND
1001-112-2-S	2	4/20/2009	63	ND	ND
1001-112-5-S	5	4/20/2009	7.3	ND	ND
1001-112-10-S	10	4/20/2009	ND	ND	ND
1001-112-20-S	20	4/20/2009	ND	ND	ND
1001-113-25-S	25	4/22/2009	ND	ND	ND
1001-113-30-S	30	4/22/2009	ND	ND	ND
1001-113-35-S	35	4/22/2009	ND	ND	ND
1001-113-40-S	40	4/22/2009	ND	ND	ND
1001-114-25-S	25	4/23/2009	ND	ND	ND
1001-114-30-S	30	4/23/2009	ND	ND	ND
1001-114-35-S	35	4/23/2009	ND	ND	ND

TABLE 1 – SOIL SAMPLE ANALYTICAL TEST RESULTS - VOCs

Sample No.	Depth (feet)	Date Sampled	EPA Method 8260B		
			PCE (µg/kg)	TCE (µg/kg)	Other VOCs (µg/kg)
1001-114-35D-S	35	4/23/2009	ND	ND	ND
1001-114-40-S	40	4/23/2009	ND	ND	ND
1001-115-2-S	2	4/23/2009	ND	ND	ND
1001-115-5-S	5	4/23/2009	ND	ND	ND
1001-115-10-S	10	4/23/2009	ND	ND	ND
1001-115-20-S	20	4/23/2009	ND	ND	ND
1001-115-25-S	25	4/23/2009	ND	ND	ND
1001-115-30-S	30	4/23/2009	ND	ND	ND
1001-115-35-S	35	4/23/2009	ND	ND	ND
1001-115-40-S	40	4/23/2009	ND	ND	ND
1001-115-40D-S	40	4/23/2009	ND	ND	ND
1001-116-5-S	5	4/23/2009	ND	ND	ND
1001-116-10-S	10	4/23/2009	ND	ND	ND
1001-116-20-S	20	4/23/2009	ND	ND	ND
1001-116-25-S	25	4/23/2009	ND	ND	ND
1001-116-30-S	30	4/23/2009	ND	ND	ND
1001-116-35-S	35	4/23/2009	ND	ND	ND
1001-116-40-S	40	4/23/2009	ND	ND	ND
1001-117-25-S	25	4/22/2009	ND	ND	ND
1001-117-30-S	30	4/22/2009	ND	ND	ND
1001-117-30D-S	30	4/22/2009	ND	ND	ND
1001-117-35-S	35	4/22/2009	5.5	ND	ND
1001-117-40-S	40	4/22/2009	ND	ND	ND
1001-118-2-S	2	4/23/2009	19	ND	ND
1001-118-5-S	5	4/23/2009	ND	ND	ND
1001-118-10-S	10	4/23/2009	ND	ND	ND
1001-118-20-S	20	4/23/2009	ND	ND	ND
1001-118-25-S	25	4/23/2009	ND	ND	ND
1001-118-30-S	30	4/23/2009	ND	ND	ND
1001-118-35-S	35	4/23/2009	ND	ND	ND
1001-118-40-S	40	4/23/2009	ND	ND	ND
1001-118-40D-S	40	4/23/2009	ND	ND	ND
1001-119-2-S	2	4/23/2009	ND	ND	ND
1001-119-5-S	5	4/23/2009	ND	ND	ND
1001-119-10-S	10	4/23/2009	ND	ND	ND
1001-119-20-S	20	4/23/2009	ND	ND	ND
1001-119-25-S	25	4/23/2009	ND	ND	ND
1001-119-30-S	30	4/23/2009	ND	ND	ND
1001-119-35-S	35	4/23/2009	ND	ND	ND
1001-119-40-S	40	4/23/2009	ND	ND	ND
1001-120-5-S	5	4/23/2009	31	ND	ND
1001-120-10-S	10	4/23/2009	ND	ND	ND
1001-120-20-S	20	4/23/2009	ND	ND	ND
1001-120-25-S	25	4/23/2009	ND	ND	ND
1001-120-25D-S	25	4/23/2009	ND	ND	ND
1001-120-30-S	30	4/23/2009	ND	ND	ND
1001-120-35-S	35	4/23/2009	ND	ND	ND
1001-120-40-S	40	4/23/2009	ND	ND	ND
PRG-Industrial			2,700	14,000	NA
Notes: EPA – United States Environmental Protection Agency µg/kg – microgram per kilogram PCE – tetrachloroethene TCE – trichloroethene VOCs – Volatile Organic Compounds ND – not detected above the Practical Quantitation Limit - see laboratory reports for additional details NA – not applicable PRG-Industrial – EPA Region 9, Preliminary Remediation Goals for Industrial Properties					

TABLE 2 – SOIL SAMPLE ANALYTICAL TEST RESULTS – TPH, PCBs, SVOCs, and pH

Sample No.	Depth (feet)	Date Sampled	EPA 8015B(M) (mg/kg)						EPA 3550B/8082 (µg/kg)	EPA 3550B/8270C (µg/kg)	EPA 9045C
			GRO	DRO	TPH C4-C12	TPH C13-C22	TPH C23-C32	TPH >C32	PCBs	SVOCs	pH
1001-101-2-S	2	4/20/2009	ND	ND	ND	ND	ND	ND	ND	ND	6.9
1001-101-5-S	5	4/20/2009	ND	ND	ND	ND	ND	ND	ND	ND	8.0
1001-101-10-S	10	4/20/2009	ND	11	ND	ND	ND	ND	ND	ND	7.8
1001-101-20-S	20	4/20/2009	ND	ND	ND	ND	ND	ND	ND	ND	8.3
1001-102-2-S	2	4/20/2009	ND	14	ND	ND	ND	ND	ND	ND	8.4
1001-102-5-S	5	4/20/2009	ND	ND	ND	ND	ND	ND	ND	ND	8.4
1001-102-10-S	10	4/20/2009	ND	ND	ND	ND	ND	ND	ND	ND	8.8
1001-102-20-S	20	4/20/2009	ND	ND	ND	ND	ND	ND	ND	ND	7.8
1001-103-2-S	2	4/20/2009	ND	45	ND	21	29	15	ND	ND	7.5
1001-103-5-S	5	4/20/2009	ND	42	ND	22	23	ND	ND	ND	7.3
1001-103-10-S	10	4/20/2009	ND	37	ND	21	22	ND	ND	ND	7.8
1001-103-20-S	20	4/20/2009	ND	32	ND	14	12	ND	ND	ND	7.8
1001-104-2-S	2	4/20/2009	ND	37	ND	20	21	ND	Aroclor 1260 28	ND	7.6
1001-104-5-S	5	4/20/2009	ND	27	ND	16	12	ND	ND	ND	7.6
1001-104-10-S	10	4/20/2009	ND	45	ND	25	22	ND	ND	ND	7.6
1001-104-20-S	20	4/20/2009	ND	ND	ND	ND	ND	ND	ND	ND	7.8
1001-105-2-S	2	4/20/2009	ND	73	ND	27	100	130	ND	ND	7.9
1001-105-5-S	5	4/20/2009	ND	42	ND	23	24	ND	ND	ND	7.0
1001-105-10-S	10	4/20/2009	ND	ND	ND	ND	ND	ND	ND	ND	7.7
1001-105-20-S	20	4/20/2009	ND	63	ND	33	40	16	ND	ND	7.7
1001-106-2-S	2	4/21/2009	ND	ND	ND	ND	ND	ND	ND	ND	7.8
1001-106-5-S	5	4/21/2009	ND	ND	ND	ND	ND	ND	ND	ND	8.1
1001-106-10-S	10	4/21/2009	ND	ND	ND	ND	ND	ND	ND	ND	8.1
1001-106-20-S	20	4/21/2009	ND	ND	ND	ND	ND	ND	ND	ND	7.8
1001-106-20D-S	20	4/21/2009	ND	ND	ND	ND	ND	ND	ND	ND	7.3
1001-107-2-S	2	4/21/2009	ND	12	ND	ND	ND	ND	ND	ND	9.1
1001-107-5-S	5	4/21/2009	ND	ND	ND	ND	ND	ND	ND	ND	8.2
1001-107-10-S	10	4/21/2009	ND	ND	ND	ND	ND	ND	ND	ND	8.3
1001-107-20-S	20	4/21/2009	ND	ND	ND	ND	ND	ND	ND	ND	8.2
1001-108-2-S	2	4/21/2009	ND	ND	ND	ND	ND	ND	ND	ND	8.2
1001-108-5-S	5	4/21/2009	ND	ND	ND	ND	ND	ND	ND	ND	8.2
1001-108-10-S	10	4/21/2009	ND	ND	ND	ND	ND	ND	ND	ND	8.2
1001-108-10D-S	10	4/21/2009	ND	ND	ND	ND	ND	ND	ND	ND	8.2
1001-108-20-S	20	4/21/2009	ND	ND	ND	ND	ND	ND	ND	ND	8.2
1001-109-2-S	2	4/21/2009	ND	89	ND	27	170	350	ND	ND	8.1
1001-109-5-S	5	4/21/2009	ND	ND	ND	ND	ND	ND	ND	ND	7.9
1001-109-10-S	10	4/21/2009	ND	ND	ND	ND	ND	ND	ND	ND	8.4
1001-109-20-S	20	4/21/2009	ND	16	ND	ND	15	45	ND	ND	7.9
1001-110-2-S	2	4/21/2009	ND	17	ND	ND	12	22	ND	Phenol 400	8.6
1001-110-5-S	5	4/21/2009	ND	ND	ND	ND	ND	ND	ND	ND	7.7
1001-110-5D-S	5	4/21/2009	ND	ND	ND	ND	ND	ND	ND	ND	7.6
1001-110-10-S	10	4/21/2009	ND	ND	ND	ND	ND	ND	ND	ND	8.4
1001-110-20-S	20	4/21/2009	ND	ND	ND	ND	ND	ND	ND	ND	8.2
1001-111-2-S	2	4/20/2009	ND	970	ND	300	1,300	1,800	ND	ND	7.9
1001-111-2D-S	2	4/20/2009	ND	200	ND	71	260	490	ND	ND	7.7
1001-111-5-S	5	4/20/2009	ND	48	ND	25	28	13	ND	Phenol 1,000	7.7
1001-111-10-S	10	4/20/2009	ND	59	ND	31	33	16	ND	Phenol 540	8.2
1001-111-20-S	20	4/20/2009	ND	58	ND	32	37	16	ND	Phenol 680	8.0
1001-111-20D-S	20	4/20/2009	ND	44	ND	23	24	14	ND	ND	8.0
1001-112-2-S	2	4/20/2009	ND	ND	ND	ND	ND	ND	ND	ND	7.9
1001-112-5-S	5	4/20/2009	ND	11	ND	ND	ND	ND	ND	ND	7.7
1001-112-10-S	10	4/20/2009	ND	42	ND	22	23	ND	ND	ND	8.3
1001-112-20-S	20	4/20/2009	ND	37	ND	19	20	ND	ND	ND	7.8
1001-113-30-S	30	4/22/2009	ND	ND	ND	ND	ND	ND	--	--	--
1001-113-40-S	40	4/22/2009	ND	ND	ND	ND	ND	ND	--	--	--

TABLE 2 – SOIL SAMPLE ANALYTICAL TEST RESULTS – TPH, PCBs, SVOCs, and pH

Sample No.	Depth (feet)	Date Sampled	EPA 8015B(M) (mg/kg)						EPA 3550B/8082 (µg/kg)	EPA 3550B/8270C (µg/kg)	EPA 9045C
			GRO	DRO	TPH C4-C12	TPH C13-C22	TPH C23-C32	TPH >C32	PCBs	SVOCs	pH
1001-114-30-S	30	4/23/2009	ND	ND	ND	ND	ND	ND	--	--	--
1001-114-40-S	40	4/23/2009	ND	ND	ND	ND	ND	ND	--	--	--
1001-115-30-S	30	4/23/2009	ND	ND	ND	ND	ND	ND	--	--	--
1001-115-40-S	40	4/23/2009	ND	ND	ND	ND	ND	ND	--	--	--
1001-115-40D-S	40	4/23/2009	ND	ND	ND	ND	ND	ND	--	--	--
1001-116-30-S	30	4/23/2009	ND	ND	ND	ND	ND	ND	--	--	--
1001-116-40-S	40	4/23/2009	ND	ND	ND	ND	ND	ND	--	--	--
1001-117-30-S	30	4/22/2009	ND	ND	ND	ND	ND	ND	--	--	--
1001-117-30D-S	30	4/22/2009	ND	ND	ND	ND	ND	ND	--	--	--
1001-117-40-S	40	4/22/2009	ND	ND	ND	ND	ND	ND	--	--	--
1001-118-30-S	30	4/23/2009	ND	ND	ND	ND	ND	ND	--	--	--
1001-118-40-S	40	4/23/2009	ND	ND	ND	ND	ND	ND	--	--	--
1001-118-40D-S	40	4/23/2009	ND	ND	ND	ND	ND	ND	--	--	--
1001-119-30-S	30	4/23/2009	ND	ND	ND	ND	ND	ND	--	--	--
1001-119-40-S	40	4/23/2009	ND	ND	ND	ND	ND	ND	--	--	--
1001-120-30-S	30	4/23/2009	ND	ND	ND	ND	ND	ND	--	--	--
1001-120-40-S	40	4/23/2009	ND	ND	ND	ND	ND	ND	--	--	--
Maximum SSLs			500	1,000	500	1,000	10,000	10,000	NL	NL	NL
PRG - Industrial			NL	NL	NL	NL	NL	NL	740	180,000,000	NL
Notes: EPA – United States Environmental Protection Agency mg/kg – milligrams per kilogram µg/kg – micrograms per kilogram GRO – gasoline range organics DRO – diesel range organics TPH – total petroleum hydrocarbons PCBs – polychlorinated biphenyls SVOCs – semi-volatile organic compounds ND – not detected above the Practical Quantitation Limit - see laboratory reports for additional details -- – Not analyzed PRG-Industrial – EPA Region 9, Preliminary Remediation Goals for Industrial Properties NL – Not Listed SSLs – Soil Screening Levels published by the California Regional Water Quality Control Board, Los Angeles Region											

TABLE 3 – SOIL SAMPLE ANALYTICAL TEST RESULTS – TITLE 22 METALS

Sample No.	Depth (feet)	Date Sampled	Metals (mg/kg)																		
			Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Hexavalent Chromium*	Cobalt	Copper	Lead	Lead STLC (mg/l)	Mercury**	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
1001-101-2-S	2	4/20/2009	ND	ND	140	ND	ND	21	ND	9.4	24	ND	--	ND	ND	17	ND	ND	ND	51	49
1001-101-5-S	5	4/20/2009	ND	ND	140	ND	ND	20	ND	8.1	22	ND	--	ND	ND	14	ND	ND	ND	49	49
1001-101-10-S	10	4/20/2009	ND	ND	97	ND	ND	14	ND	5.8	13	ND	--	ND	ND	9.7	ND	ND	ND	38	35
1001-101-20-S	20	4/20/2009	ND	ND	62	ND	ND	8.5	ND	3.8	8.8	ND	--	ND	ND	6.0	ND	ND	ND	24	22
1001-102-2-S	2	4/20/2009	ND	ND	170	ND	ND	24	ND	11	27	ND	--	ND	ND	19	ND	ND	ND	57	85
1001-102-5-S	5	4/20/2009	ND	ND	110	ND	ND	16	ND	6.6	17	ND	--	ND	ND	12	ND	ND	ND	42	36
1001-102-10-S	10	4/20/2009	ND	ND	120	ND	ND	17	ND	5.9	13	ND	--	ND	1.6	9.6	ND	ND	ND	41	35
1001-102-20-S	20	4/20/2009	ND	1.1	170	ND	ND	23	ND	11	28	ND	--	ND	ND	18	ND	ND	ND	57	55
1001-103-2-S	2	4/20/2009	ND	ND	160	ND	ND	21	ND	8.8	31	26	--	ND	ND	16	ND	ND	ND	52	250
1001-103-5-S	5	4/20/2009	ND	ND	110	ND	ND	17	ND	7.0	16	ND	--	ND	ND	12	ND	ND	ND	44	42
1001-103-10-S	10	4/20/2009	ND	ND	110	ND	ND	18	ND	7.0	18	ND	--	ND	ND	13	ND	ND	ND	44	39
1001-103-20-S	20	4/20/2009	ND	ND	140	ND	ND	21	ND	9.0	23	ND	--	ND	ND	15	ND	ND	ND	52	48
1001-104-2-S	2	4/20/2009	ND	ND	180	ND	2.0	24	ND	8.5	35	42	--	ND	ND	16	ND	ND	ND	49	260
1001-104-5-S	5	4/20/2009	ND	ND	130	ND	ND	19	ND	7.3	18	ND	--	ND	ND	14	ND	ND	ND	47	42
1001-104-10-S	10	4/20/2009	ND	ND	110	ND	ND	21	ND	6.5	16	ND	--	ND	2.3	11	ND	ND	ND	41	36
1001-104-20-S	20	4/20/2009	ND	ND	140	ND	ND	19	ND	8.3	21	ND	--	ND	ND	14	ND	ND	ND	47	47
1001-105-2-S	2	4/20/2009	ND	ND	180	ND	ND	25	ND	10	29	4.1	--	ND	ND	19	ND	ND	ND	57	96
1001-105-5-S	5	4/20/2009	ND	ND	150	ND	ND	23	ND	9.2	25	ND	--	ND	ND	17	ND	ND	ND	52	52
1001-105-10-S	10	4/20/2009	ND	ND	85	ND	ND	25	ND	4.6	10	ND	--	ND	7.7	7.1	ND	ND	ND	30	31
1001-105-20-S	20	4/20/2009	ND	ND	64	ND	ND	9.5	ND	4.3	10	ND	--	ND	ND	6.6	ND	ND	ND	27	23
1001-106-2-S	2	4/21/2009	ND	ND	170	ND	ND	29	ND	10	27	ND	--	ND	ND	18	ND	ND	ND	66	57
1001-106-5-S	5	4/21/2009	ND	ND	190	ND	ND	28	0.18	11	27	ND	--	ND	ND	20	ND	ND	ND	61	59
1001-106-10-S	10	4/21/2009	ND	ND	170	ND	ND	23	ND	10	26	ND	--	ND	ND	18	ND	ND	ND	56	55
1001-106-20-S	20	4/21/2009	ND	ND	180	ND	ND	25	ND	9.9	30	ND	--	ND	ND	17	ND	ND	ND	67	58
1001-106-20D-S	20	4/21/2009	ND	ND	160	ND	ND	22	ND	8.9	24	ND	--	ND	ND	15	ND	ND	ND	58	53
1001-107-2-S	2	4/21/2009	ND	ND	200	ND	ND	54	0.12	14	30	ND	--	ND	13	22	ND	ND	ND	64	62
1001-107-5-S	5	4/21/2009	ND	ND	220	ND	ND	35	0.10	13	33	ND	--	ND	ND	25	ND	ND	ND	75	71
1001-107-10-S	10	4/21/2009	ND	ND	160	ND	ND	22	ND	9.0	25	ND	--	ND	ND	17	ND	ND	ND	53	51
1001-107-20-S	20	4/21/2009	ND	ND	140	ND	ND	19	0.14	8.3	21	ND	--	ND	ND	13	ND	ND	ND	52	48
1001-108-2-S	2	4/21/2009	ND	ND	210	ND	ND	26	ND	11	29	1.3	--	ND	ND	19	ND	ND	ND	59	62
1001-108-5-S	5	4/21/2009	ND	ND	130	ND	ND	21	ND	8.3	18	ND	--	ND	ND	15	ND	ND	ND	50	44
1001-108-10-S	10	4/21/2009	ND	1.0	220	ND	ND	27	ND	12	31	ND	--	ND	ND	21	ND	ND	ND	65	64
1001-108-10D-S	10	4/21/2009	ND	ND	230	ND	ND	30	ND	13	37	ND	--	ND	ND	23	ND	ND	ND	73	72
1001-108-20-S	20	4/21/2009	ND	ND	150	ND	ND	18	ND	8.8	24	ND	--	ND	ND	13	ND	ND	ND	58	46
1001-109-2-S	2	4/21/2009	ND	20	150	ND	ND	19	ND	8.2	20	ND	--	ND	ND	14	ND	ND	ND	46	49
1001-109-5-S	5	4/21/2009	ND	ND	180	ND	ND	25	ND	10	28	ND	--	ND	ND	19	ND	ND	ND	59	59
1001-109-10-S	10	4/21/2009	ND	ND	81	ND	ND	13	ND	5.0	11	ND	--	ND	ND	9.3	ND	ND	ND	35	28
1001-109-20-S	20	4/21/2009	ND	ND	100	ND	ND	15	ND	5.9	16	ND	--	ND	ND	10	ND	ND	ND	36	34
1001-110-2-S	2	4/21/2009	ND	ND	130	ND	ND	18	ND	7.0	18	2.4	--	ND	ND	13	ND	ND	ND	43	77
1001-110-5-S	5	4/21/2009	ND	ND	200	ND	ND	26	ND	11	30	ND	--	ND	ND	20	ND	ND	ND	62	64
1001-110-5D-S	5	4/21/2009	ND	ND	180	ND	ND	24	ND	11	26	ND	--	ND	ND	18	ND	ND	ND	55	56
1001-110-10-S	10	4/21/2009	ND	ND	120	ND	ND	17	ND	7.4	17	ND	--	ND	ND	13	ND	ND	ND	43	41
1001-110-20-S	20	4/21/2009	ND	ND	75	ND	ND	9.7	ND	4.3	12	ND	--	ND	ND	7.0	ND	ND	ND	28	24
1001-111-2-S	2	4/20/2009	ND	ND	140	ND	ND	20	ND	7.6	25	20	--	ND	ND	14	ND	ND	ND	45	93
1001-111-2D-S	2	4/20/2009	ND	ND	150	ND	ND	21	ND	8.9	25	8.5	--	0.51	1.1	17	ND	ND	ND	53	72
1001-111-5-S	5	4/20/2009	ND	ND	200	ND	ND	25	ND	11	30	ND	--	ND	ND	19	ND	ND	ND	61	63
1001-111-10-S	10	4/20/2009	ND	ND	75	ND	ND	13	ND	5.1	11	ND	--	ND	ND	8.3	ND	ND	ND	34	27
1001-111-20-S	20	4/20/2009	ND	ND	120	ND	ND	21	ND	7.7	21	ND	--	ND	1.9	12	ND	ND	ND	45	40
1001-111-20D-S	20	4/20/2009	ND	ND	120	ND	ND	16	ND	7.3	23	ND	--	ND	ND	11	ND	ND	ND	47	40
1001-112-2-S	2	4/20/2009	ND	ND	170	ND	1.6	22	ND	8.4	48	100	2.4	ND	ND	17	ND	ND	ND	49	2,100
1001-112-5-S	5	4/20/2009	ND	ND	120	ND	ND	16	ND	6.7	16	ND	--	ND	ND	12	ND	ND	ND	43	38
1001-112-10-S	10	4/20/2009	ND	ND	79	ND	ND	8.5	ND	3.8	11	ND	--	ND	ND	5.8	ND	ND	ND	25	28
1001-112-20-S	20	4/20/2009	ND	ND	150	ND	ND	21	ND	8.6	24	ND	--	ND	ND	15	ND	ND	ND	51	49
TTLC (mg/kg)			500	500	10,000	75	100	2,500	NL	8,000	2,500	1,000	NL	20	3,500	2,000	100	500	700	2,400	5,000
10 x STLC (mg/l)			150	50	1,000	7.5	10	50	NL	800	250	50	5	2.0	3,500	200	10	50	70	240	2,500
PRG - Industrial			NL	NL	NL	NL	NL	200	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL

Notes:
mg/kg – milligrams per kilogram
mg/l – milligrams per liter
EPA – United States Environmental Protection Agency
Samples were analyzed using EPA Test Method 6010B.
* Hexavalent chromium was analyzed using EPA Test Method 7196A.
**Mercury was analyzed using EPA test method 7471A.
ND – not detected above the Practical Quantitation Limit - see laboratory reports for additional details
-- – Not Analyzed
NL – Not Listed
TTLC – State of California Total Threshold Limit Concentration
STLC – State of California Soluble Threshold Limit Concentration
PRG-Industrial – EPA Region 9, Preliminary Remediation Goals for Industrial Properties

TABLE 4 – SOIL VAPOR SAMPLE ANALYTICAL TEST RESULTS

Sample No.	Depth (feet)	Date Sampled	PCE	TCE	Freon 113	Chloroform	Toluene	1,1,1-trichloroethane	1,1-dichloroethene	1,1,2-trichloroethane	All Other VOCs	TPHg
			(µg/m ³)									
1001-101-5-SG 1P	5	4/21/2009	15,900	ND	ND	ND	41	ND	ND	ND	ND	ND
1001-101-5-SG 3P	5	4/21/2009	16,100	ND	ND	ND	27	104	ND	235	ND	ND
1001-101-5-SG 7P*	5	4/21/2009	16,200	ND	ND	ND	23	ND	ND	ND	ND	ND
1001-101-15-SG	15	4/21/2009	36,500	ND	ND	ND	42	ND	ND	ND	ND	ND
1001-102-5-SG	5	4/21/2009	4,820	ND	ND	ND	ND	ND	ND	ND	ND	ND
1001-102-15-SG	15	4/21/2009	4,370	ND	ND	ND	325	ND	ND	ND	ND	ND
1001-103-5-SG	5	4/21/2009	32,700	338	ND	ND	235	ND	ND	ND	ND	ND
1001-103-15-SG	15	4/21/2009	52,400**	130	ND	ND	45	ND	ND	ND	ND	ND
1001-104-5-SG	5	4/21/2009	4,590	52	ND	ND	ND	ND	ND	ND	ND	ND
1001-104-5-SG (DUP)	5	4/21/2009	4,190	50	ND	ND	ND	ND	ND	ND	ND	ND
1001-104-15-SG	15	4/21/2009	10,800	60	ND	ND	ND	ND	ND	ND	ND	ND
1001-105-5-SG	5	4/21/2009	783	ND	ND	ND	25	ND	ND	ND	ND	ND
1001-105-15-SG	15	4/21/2009	1,760	ND	ND	ND	65	ND	ND	ND	ND	ND
1001-106-5-SG	5	4/22/2009	270	ND	ND	ND	587	ND	ND	ND	ND	ND
1001-106-15-SG	15	4/22/2009	361	ND	ND	ND	197	ND	78	ND	ND	ND
1001-107-5-SG	5	4/22/2009	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1001-107-15-SG	15	4/22/2009	208	ND	45	ND	395	ND	114	ND	ND	ND
1001-108-5-SG	5	4/22/2009	283	ND	ND	ND	149	ND	ND	ND	ND	ND
1001-108-15-SG	15	4/22/2009	141	ND	ND	ND	393	ND	ND	ND	ND	ND
1001-109-5-SG	5	4/22/2009	1,340	ND	ND	ND	147	ND	ND	ND	ND	ND
1001-109-15-SG	15	4/22/2009	1,570	ND	ND	ND	386	ND	ND	ND	ND	ND
1001-110-5-SG	5	4/22/2009	5,070	ND	ND	ND	52	ND	ND	ND	ND	ND
1001-110-5-SG (DUP)	5	4/22/2009	4,970	ND	ND	ND	57	ND	ND	ND	ND	ND
1001-110-15-SG	15	4/22/2009	3,470	ND	ND	ND	374	ND	ND	ND	ND	ND
1001-111-5-SG	5	4/21/2009	2,730	ND	ND	ND	334	ND	ND	ND	ND	ND
1001-111-15-SG	15	4/21/2009	3,380	ND	ND	ND	529	ND	ND	ND	ND	ND
1001-112-5-SG	5	4/21/2009	869	ND	ND	ND	ND	ND	ND	ND	ND	ND
1001-112-15-SG	15	4/21/2009	28,200	ND	ND	ND	64	ND	ND	ND	ND	ND
1001-113-25-SG	25	4/22/2009	490	ND	ND	ND	ND	ND	ND	ND	ND	ND
1001-113-40-SG	40	4/22/2009	4,970	ND	ND	ND	ND	ND	ND	ND	ND	ND
1001-114-25-SG	25	4/23/2009	268	ND	ND	ND	99	ND	ND	ND	ND	ND
1001-114-40-SG	40	4/23/2009	193	ND	ND	ND	157	ND	ND	ND	ND	ND
1001-115-5-SG	5	4/23/2009	345	ND	ND	ND	156	ND	ND	ND	ND	ND
1001-115-15-SG	15	4/23/2009	694	117	ND	75	80	ND	ND	ND	ND	ND
1001-115-25-SG	25	4/23/2009	599	169	ND	243	119	ND	ND	ND	ND	ND
1001-115-25-SG (DUP)	25	4/23/2009	772	234	ND	311	112	ND	ND	ND	ND	ND
1001-115-40-SG	40	4/23/2009	173	41	ND	186	98	ND	ND	ND	ND	ND
1001-116-5-SG	5	4/23/2009	ND	ND	ND	ND	231	581	ND	ND	ND	ND
1001-116-15-SG	15	4/23/2009	ND	ND	ND	ND	242	1,040	296	ND	ND	242
1001-116-25-SG	25	4/23/2009	90	ND	34	ND	155	1,460	685	ND	ND	ND
1001-116-40-SG	40	4/23/2009	241	42	58	ND	203	1,090	1,530	ND	ND	203
1001-117-25-SG	25	4/22/2009	37,800	ND	ND	ND	30	ND	ND	ND	ND	ND
1001-117-40-SG	40	4/22/2009	46,700	ND	ND	ND	ND	ND	ND	ND	ND	ND
1001-118-5-SG	5	4/23/2009	1,230	ND	ND	ND	ND	ND	ND	ND	ND	ND
1001-118-15-SG	15	4/23/2009	560	ND	ND	ND	107	ND	ND	ND	ND	ND
1001-118-25-SG	25	4/23/2009	4,910	ND	ND	ND	ND	ND	ND	ND	ND	ND
1001-118-40-SG	40	4/23/2009	27,100	22	ND	ND	ND	ND	ND	ND	ND	ND

TABLE 4 – SOIL VAPOR SAMPLE ANALYTICAL TEST RESULTS

Sample No.	Depth (feet)	Date Sampled	PCE	TCE	Freon 113	Chloroform	Toluene	1,1,1-trichloroethane	1,1-dichloroethene	1,1,2-trichloroethane	All Other VOCs	TPHg
			(µg/m ³)									
1001-119-5-SG	5	4/24/2009	2,000	795	ND	ND	ND	ND	ND	ND	ND	ND
1001-119-15-SG	15	4/24/2009	3,050	ND	52	124	103	ND	ND	ND	ND	ND
1001-119-25-SG	25	4/24/2009	5,270	5,710	ND	398	100	ND	ND	ND	ND	ND
1001-119-40-SG	40	4/24/2009	7,750	6,920	96	725	ND	ND	ND	ND	ND	ND
1001-120-5-SG	5	4/24/2009	10,000	22	ND	ND	335	ND	ND	ND	ND	ND
1001-120-5-SG (DUP)	5	4/24/2009	9,790	ND	ND	ND	320	ND	ND	ND	ND	ND
1001-120-15-SG	15	4/24/2009	6,760	158	118	ND	209	ND	ND	ND	ND	ND
1001-120-25-SG	25	4/24/2009	9,020	589	165	ND	190	ND	109	ND	ND	ND
1001-120-40-SG	40	4/24/2009	3,150	198	195	ND	329	ND	171	ND	ND	ND
Screening Levels												
CHHSLs (Industrial Land Use in µg/m³)			603	1,770	NL	NL	378,000	2,790,000	NL	NL	NL	NL
Notes: ID – Identification PCE – tetrachloroethylene TCE – trichloroethylene VOCs – volatile organic compounds TPHg – total petroleum hydrocarbons gasoline range µg/m ³ – micrograms per cubic meter ND – not detected above the Practical Quantitation Limit - see laboratory reports for additional details NL – none listed CHHSLs – California Human Health Screening Levels established by the California Environmental Protection Agency in January 2005 * Seven purge volumes were used for this site because this purging level gave the highest results for the compound(s) of greatest interest. ** Sample diluted 4 times for this analyte.												

TABLE 5 – BLANK ANALYTICAL TEST RESULTS - VOCs

Sample No.	Date Sampled	US EPA Method 8260B		
		PCE (µg/l)	TCE (µg/l)	Other VOCs (µg/l)
ERB-1	4/20/2009	ND	ND	ND
Trip Blank	4/20/2009	ND	ND	ND
QCEB	4/21/2009	ND	ND	ND
QC EB-2	4/22/2009	ND	ND	ND
Trip Blank	4/22/2009	ND	ND	ND
QCEB-3	4/23/2009	ND	ND	ND
Trip Blank	4/23/2009	ND	ND	ND

Notes:

EPA – United States Environmental Protection Agency

µg/l – microgram per liter

PCE – tetrachloroethene

TCE – trichloroethene

VOCs – volatile organic compounds

ND – not detected above the Practical Quantitation Limit - see laboratory reports for additional details

EB – equipment blank

**TABLE 6 – BLANK SAMPLE ANALYTICAL TEST RESULTS –
TPH, PCBs, SVOCs, and pH**

Sample No.	Date Sampled	EPA 8015B(M) (mg/l)						EPA 3550B/8082 (µg/l)	EPA 3550B/8270C (µg/l)	EPA 9045C
		GRO	DRO	TPH C4-C12	TPH C13-C22	TPH C23-C32	TPH >C32	PCBs	SVOCs	pH
ERB-1	4/20/2009	ND	ND	ND	ND	ND	ND	ND	ND	6.5
QCEB	4/21/2009	ND	ND	ND	ND	ND	ND	ND	ND	5.8

Notes:

EPA – United States Environmental Protection Agency

mg/l – milligrams per liter

µg/l – micrograms per liter

GRO – gasoline range organics

DRO – diesel range organics

TPH – total petroleum hydrocarbons

PCBs – polychlorinated biphenyls

SVOCs – semi-volatile organic compounds

ND – not detected above the Practical Quantitation Limit - see laboratory reports for additional details

TABLE 7 – BLANK SAMPLE ANALYTICAL TEST RESULTS – TITLE 22 METALS

Sample	Sample Date	Metals (mg/l)																	
		Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Hexavalent Chromium*	Cobalt	Copper	Lead	Mercury**	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
ERB-1	4/20/2009	ND	ND	0.0052	ND	ND	ND	ND	ND	ND	ND	ND	0.022	ND	ND	ND	ND	ND	0.018
QCEB	4/21/2009	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

mg/l – milligrams per liter

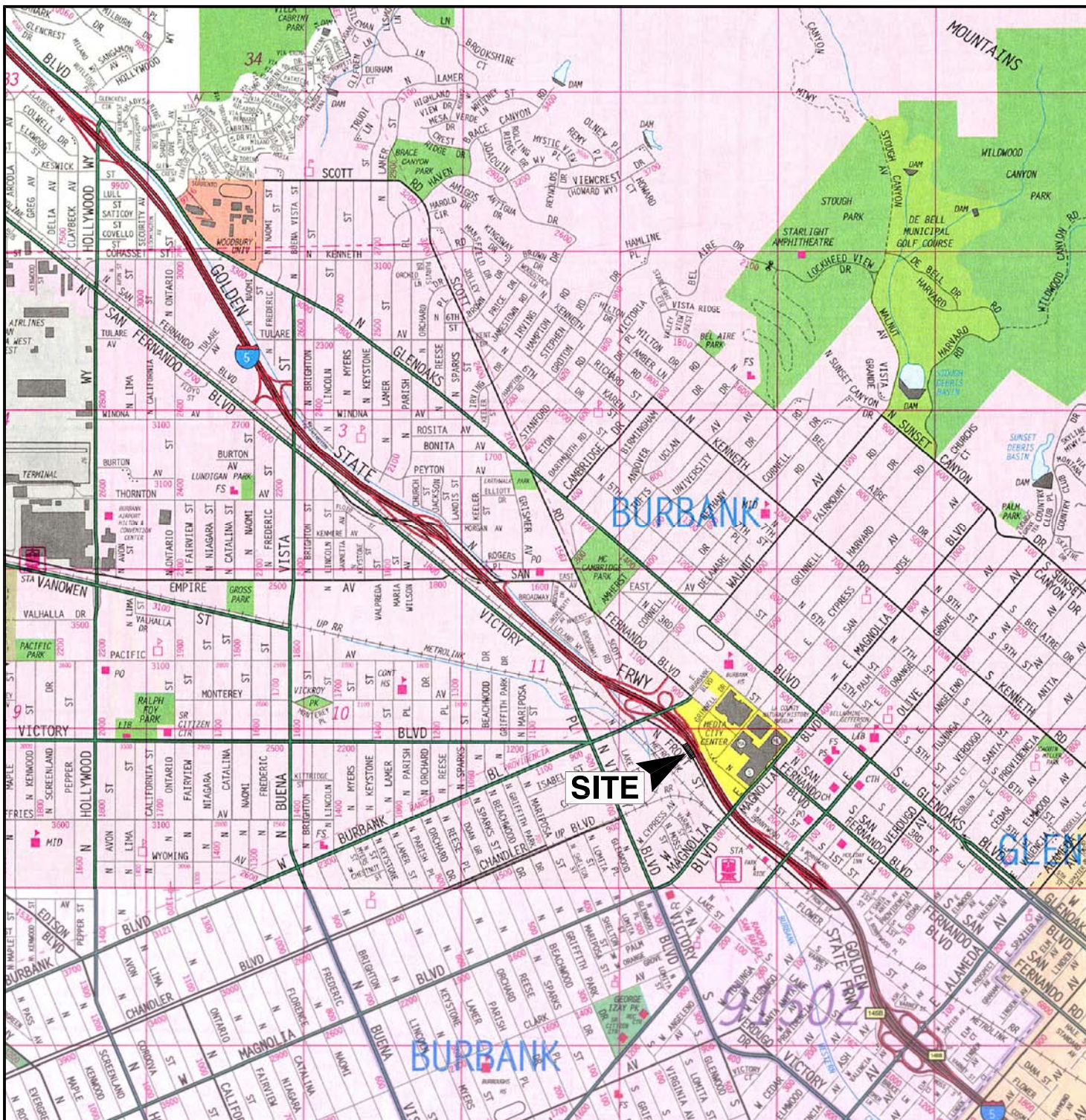
EPA – United States Environmental Protection Agency

Samples were analyzed using EPA Test Method 6010B.

* Hexavalent chromium was analyzed using EPA Test Method 7196A.

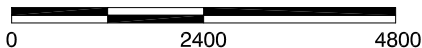
**Mercury was analyzed using EPA test method 7471A.

ND – not detected above the Practical Quantitation Limit - see laboratory reports for additional details



REFERENCE: 2007 THOMAS GUIDE FOR LOS ANGELES/ORANGE COUNTIES, STREET GUIDE AND DIRECTORY

APPROXIMATE SCALE IN FEET



NOTE: ALL DIMENSIONS, DIRECTIONS AND LOCATIONS ARE APPROXIMATE.
Map © Rand McNally, R.L.07-S-129



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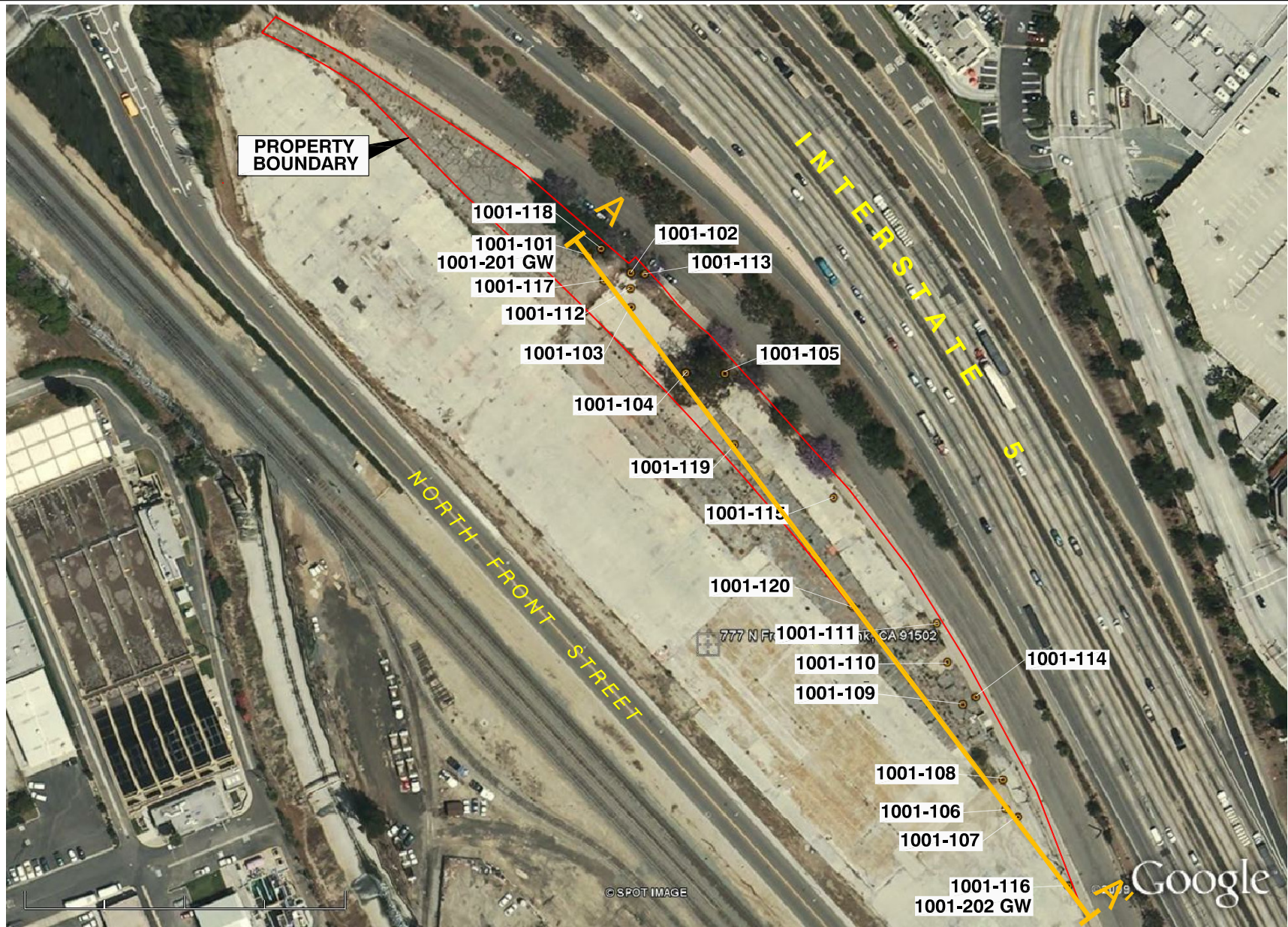
SITE LOCATION MAP

FIGURE

PROJECT NO.	DATE
207126015	6/09

777 NORTH FRONT STREET
BURBANK, CALIFORNIA

1



CROSS SECTION

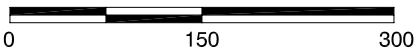


BORING LOCATION



SITE VICINITY GROUNDWATER FLOW DIRECTION

APPROXIMATE SCALE IN FEET



NOTE: ALL DIMENSIONS, DIRECTIONS AND LOCATIONS ARE APPROXIMATE.

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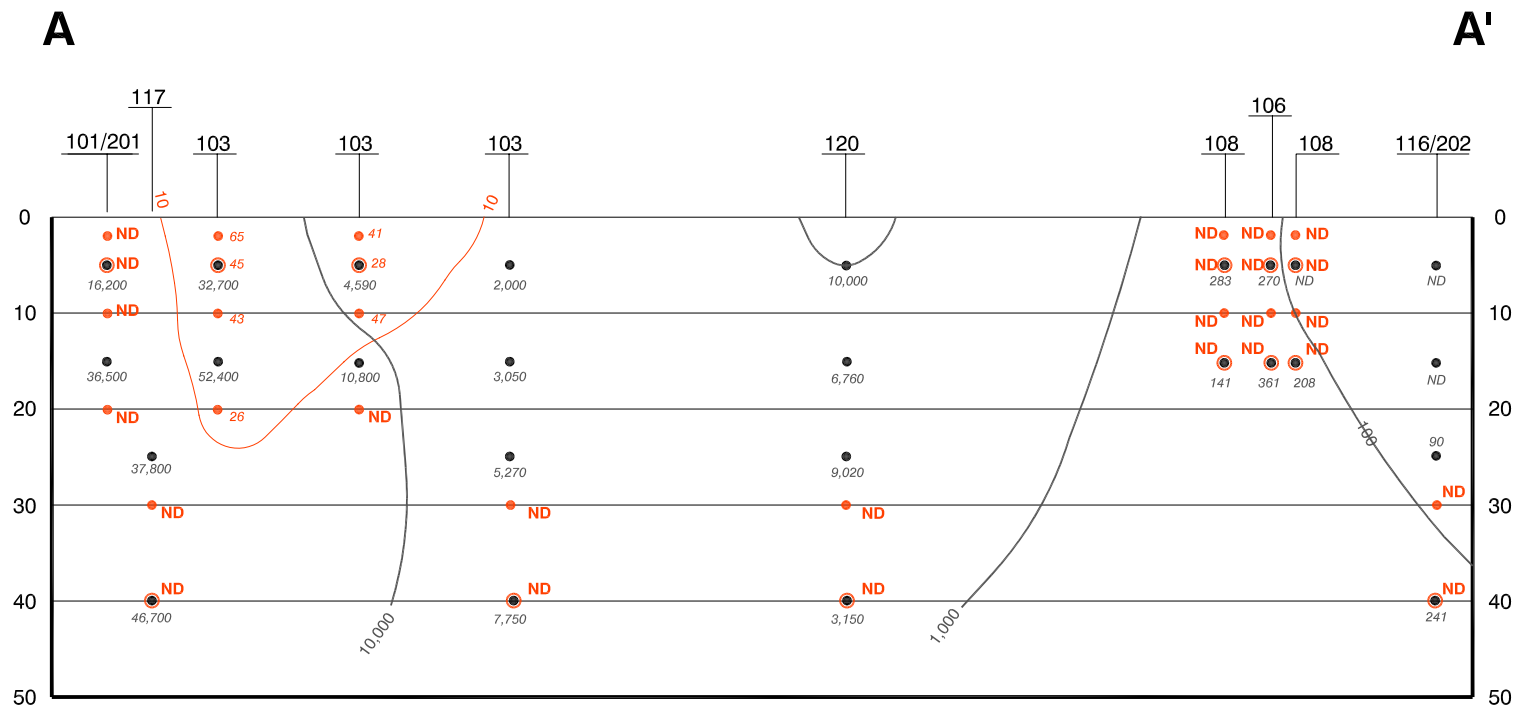
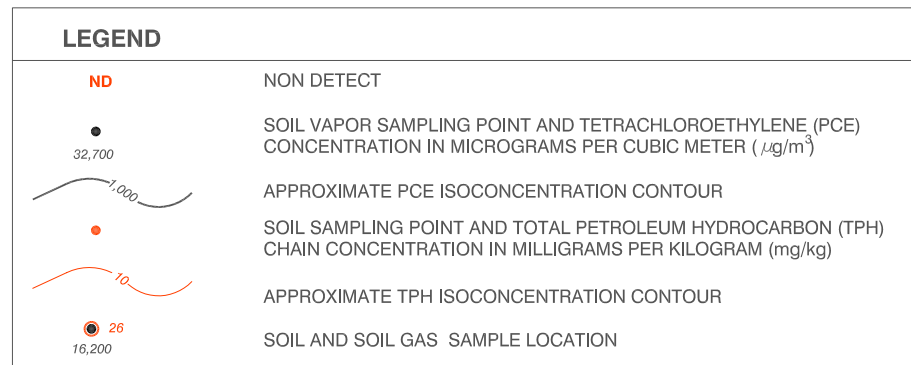
BORING LOCATION MAP

777 NORTH FRONT STREET
BURBANK, CALIFORNIA

FIGURE

2

207126-A15.DWG



NOTE: ALL DIMENSIONS, DIRECTIONS AND LOCATIONS ARE APPROXIMATE.

Ninyo & Moore		CROSS SECTION A-A'	FIGURE 3
PROJECT NO.	DATE		
207126015	6/09	777 NORTH FRONT STREET BURBANK, CALIFORNIA	



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**PCE CONCENTRATIONS IN SOIL VAPOR
at 5 FEET**

PROJECT NO.

DATE

207126015

6/09

777 NORTH FRONT STREET
BURBANK, CALIFORNIA

FIGURE

4a



Ningo & Moore

**PCE CONCENTRATIONS IN SOIL VAPOR
at 15 FEET**

PROJECT NO.

DATE

207126015

6/09

777 NORTH FRONT STREET
BURBANK, CALIFORNIA

FIGURE

4b



Ningo & Moore

**PCE CONCENTRATIONS IN SOIL VAPOR
at 25 FEET**

PROJECT NO.

DATE

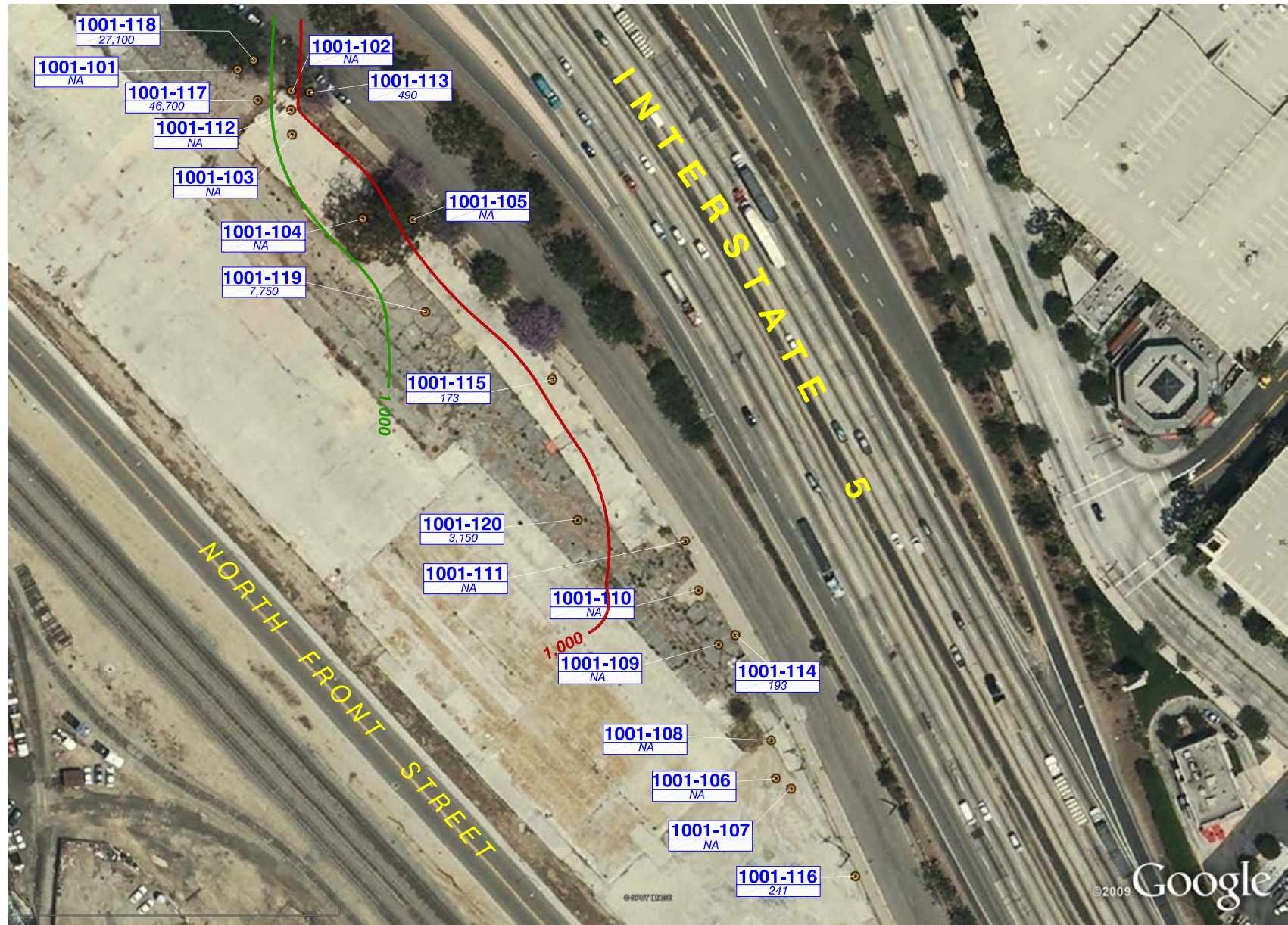
207126015

6/09

777 NORTH FRONT STREET
BURBANK, CALIFORNIA

FIGURE

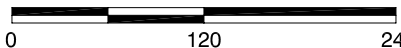
4c



BORING LOCATION

10,000 ——— µg/m³1,000 ——— µg/m³

APPROXIMATE SCALE IN FEET



NOTE: ALL DIMENSIONS, DIRECTIONS AND LOCATIONS ARE APPROXIMATE.

Ningo & Moore

PROJECT NO.

207126015

DATE

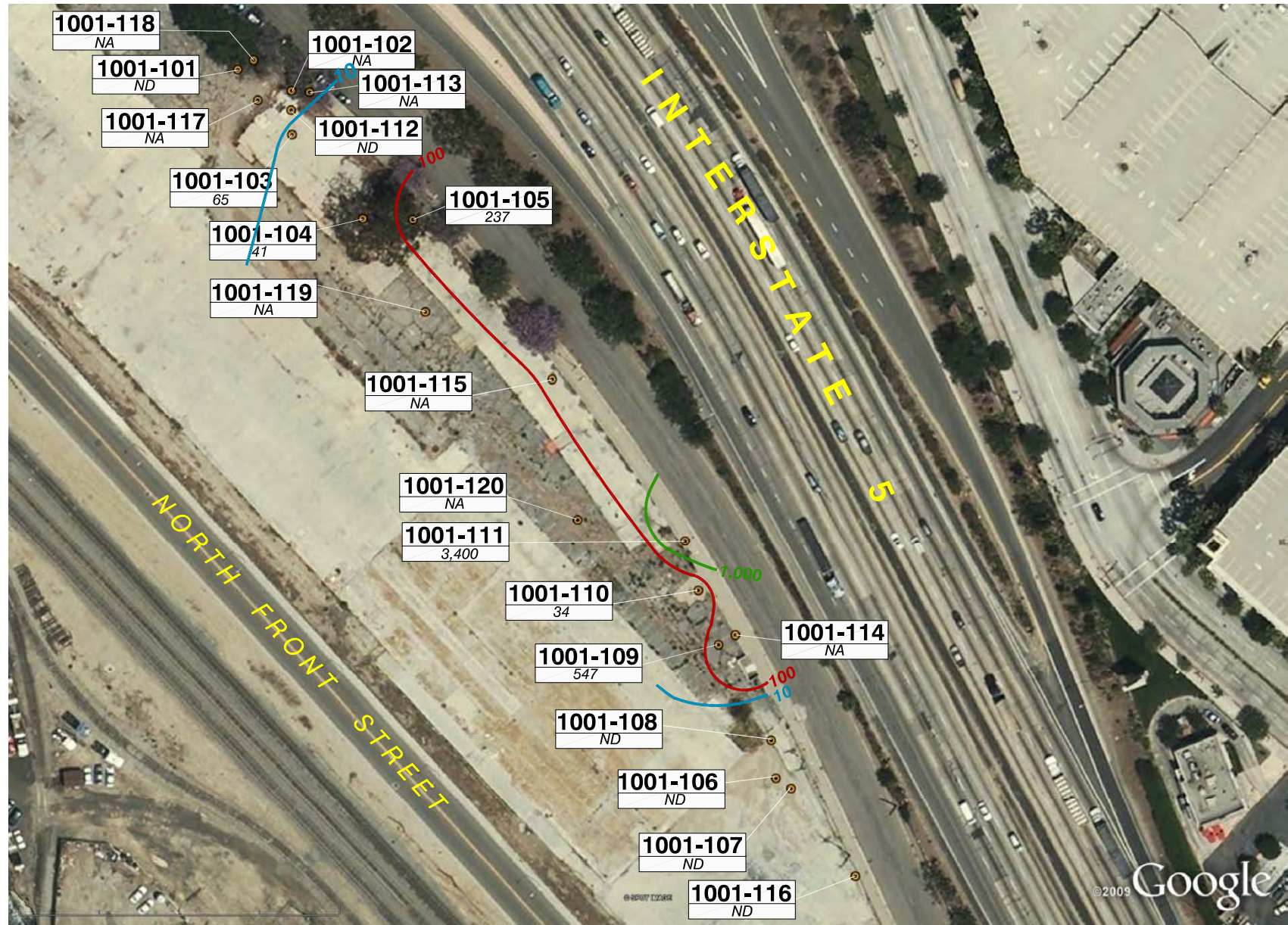
6/09

**PCE CONCENTRATIONS IN SOIL VAPOR
at 40 FEET**

 777 NORTH FRONT STREET
BURBANK, CALIFORNIA

FIGURE

4d



Ninyo & Moore

PROJECT NO.

207126015

DATE

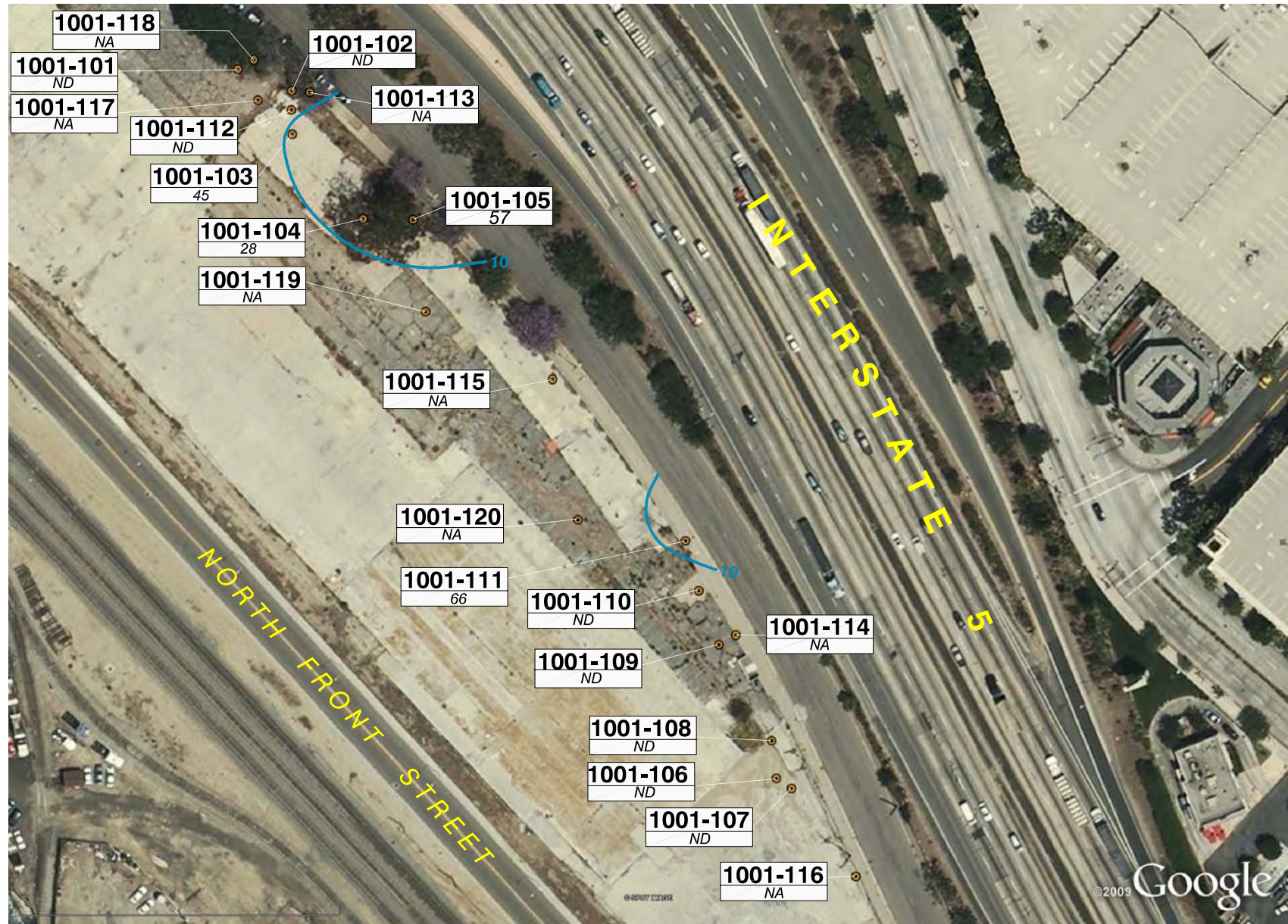
6/09

**TPH CONCENTRATIONS IN SOIL
at 2 FEET**

777 NORTH FRONT STREET
BURBANK, CALIFORNIA

FIGURE

5a



Ningo & Moore

PROJECT NO.

207126015

DATE

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**TPH CONCENTRATIONS IN SOIL
at 5 FEET**

777 NORTH FRONT STREET
BURBANK, CALIFORNIA

FIGURE

5b

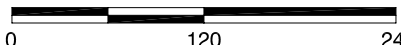


BORING LOCATION

100

— mg/kg

APPROXIMATE SCALE IN FEET



NOTE: ALL DIMENSIONS, DIRECTIONS AND LOCATIONS ARE APPROXIMATE.

Ninyo & Moore

PROJECT NO.

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6/09

**TPH CONCENTRATIONS IN SOIL
at 10 FEET**

 777 NORTH FRONT STREET
BURBANK, CALIFORNIA

FIGURE

5c

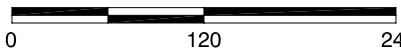


BORING LOCATION

10

— mg/km

APPROXIMATE SCALE IN FEET



NOTE: ALL DIMENSIONS, DIRECTIONS AND LOCATIONS ARE APPROXIMATE.

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PROJECT NO.

207126015

DATE

6/09

**TPH CONCENTRATIONS IN SOIL
at 20 FEET**

 777 NORTH FRONT STREET
BURBANK, CALIFORNIA

FIGURE

5d

APPENDIX A

FIELD PROCEDURES

Drilling, Soil Sampling and Probe Installation Procedures

SOIL VAPOR SURVEY PROCEDURES

Pre-Installation Probe

Prior to installing soil vapor probes, the proposed locations are probed for underground pipes or utilities to a depth of approximately 5 feet using a tile probe.

Soil-Vapor Probe Installation

Soil vapor probes were installed using either a truck-mounted direct-push device (a Geoprobe or equivalent), equipped with a hydraulic percussion hammer, or manually. One-inch-diameter, hollow-steel rods were pushed to the target depths using the Geoprobe, a roto-hammer, jackhammer, or slam bar.

An expendable drive point/anchor was attached to the bottom probe rod prior to insertion. Once the target depth is reached, the probe is withdrawn approximately 6 inches to 1 foot, disengaging the drive point. A ¼-inch-diameter polyethylene tube, with perforations along the bottom 4 inches, is inserted into the bottom of the hole inside the steel pipe. Alternatively, the tubing can be connected to a vapor sampling implant prior to lowering down hole. The rods are then retrieved leaving the tubing in the hole. Fine-grained sand was poured around the tube openings to approximately 2 inches above the perforations. The annulus is then grouted with granular bentonite hydrated in place to form a tight seal around the tube and reduce the chance of sampling ambient air. The tubing was then labeled with the probe designation and total depth. Vapor sampling was conducted after one hour to allow for equilibration of the subsurface vapor regime.

Soil Sampling

1. Probes were installed, using hydraulic push sampling system. Soil probes were drilled to depths up to 20 feet below ground surface (bgs). A 1½-inch-diameter, hollow, stainless steel rod was hydraulically driven into the subsurface to obtain continuous soil samples. Relatively undisturbed soil samples were collected from the probe tip at approximately one and five-foot depth intervals for chemical analyses. Soil samples were retrieved by retracting the probe rod and sampler to the surface and disassembling the sampler. Drilling services were provided by a State-licensed drilling contractor.

2. During drilling, soil classification (in general accordance with the USCS), sample type and depth, and related drilling information were recorded on boring logs.
3. Discrete, relatively undisturbed soil samples were collected in industry standard 1½-inch acetate sleeves.
4. The sampler was cleaned prior to use and between sampling intervals, using a bristle brush and a detergent solution; this was followed by two tap water rinses and a deionized-water rinse. The sampler was dried by air or with a paper towel prior to being used for sampling.
5. Following retrieval of the sampler, the acetate sleeve was cut at the appropriate depth interval to obtain a sample; its ends were covered with Teflon tape, and capped with polyethylene end caps. The sample tube was labeled with the project number, sample number, sample depth, and collection date.
6. The soil samples were placed in sealable plastic bags and stored in an ice chest, which was cooled, using bagged ice, to a temperature of approximately four degrees Celsius.
7. The remaining soil in the acetate tube was used to describe the soil lithology, to observe indications of petroleum hydrocarbon discoloration and/or odor.

Soil-Vapor Sampling

Soil gas sampling was not conducted within three days following rainy weather due to possible effects on the subsurface vapor regime.

The polyethylene tubing was connected to a glass-sampling bulb fitted with Teflon stopcocks and a Viton rubber sampling port. The bulb was connected in turn to a vacuum gauge, a flowmeter, and portable sampling pump in series. The sampling train was tested for leakage. The glass-sampling bulb was wrapped in aluminum foil to minimize photoreactions with captured chemicals. Alternatively, soil gas samples can be collected using a syringe by inserting the needle into silicon tubing attaching the top of the probe to the sampling pump.

For volatile organic compounds, approximately 1 to 7 purge volumes of air are removed prior to sample collection. Lighter gases may need less purging prior to sampling. After purging, first the pump-end and then the probe-end sample cocks were closed in sequence. Once collected, the sample was labeled, injected with isotopically labeled surrogate compounds, recorded on a chain-of-custody, and immediately transferred to a mobile laboratory for chemical analysis. Soil gas probes were then removed.

Detection Limits

A detection limit of 1 µg/l will be specified for VOC target compounds, as requested by the RWQCB.

QUALITY ASSURANCE/QUALITY CONTROL EVALUATION – SOIL GAS SURVEY

The purpose for the quality assurance (QA) procedures and collecting quality control (QC) samples is to acquire data to assess and document the effectiveness of probe-installation, field sampling and laboratory-analysis procedures in producing accurate and precise analytical data. A description of the field QA procedures, QC sample types, and an evaluation of the analytical results of these samples for this project are presented in the following sections.

FIELD QA PROCEDURES

Sample-Train Leakage Test

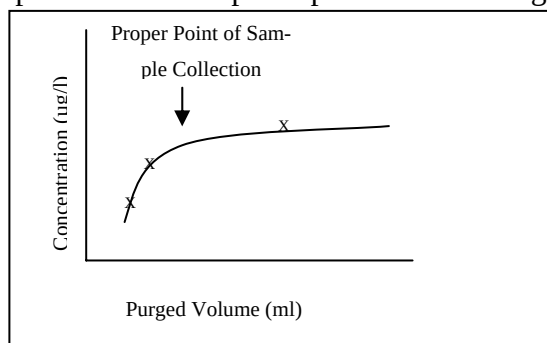
Prior to sampling, the sampling train was tested for leakage. Initially, both stopcocks in the sample train were closed. The absence of flow and the presence of a slight vacuum demonstrated that the pump-end side of the sampling train had no leaks. Then the first stopcock (pump end) was opened. The absence of flow demonstrated that the sampling bulb itself did not leak.

Annular-Seal Leakage Test

To ensure proper probe installation and sealing, a leakage test was performed during sampling procedures. The leakage test consists of placing a shallow container of analytical-grade pentane next to the top of the probe hole. The container and probe hole are covered by a special trap. Pentane vapors fill the trap and surround the hole. The presence of analytical-grade pentane in the soil-vapor sample would indicate a leakage of ambient air down from the surface through the annular seal into the sample zone. If this occurs, the sample was then determined to be invalid and the probe was reconstructed to prevent leakage.

Purge-Volume Test

A purge volume test was conducted after the first sample containing VOC concentrations was detected. The purge volume test was conducted so that equilibrium soil gas concentrations are being sampled. Ambient air may intrude into the sand pack and native pore spaces surrounding the probe during probe installation. Similarly, VOC vapors may accumulate in previously installed probes. Unless these are purged prior to collecting the sample, the sample may not be representative of the vapor regime beneath the site. The 'probe volume' is the volume of air contained in the vapor-probe tubing and sand-pack. The 'purge volume' is the amount of air required to be purged in order to obtain a vapor sample representative of subsurface vapor conditions. During the purge volume test, samples were collected after purging 1, 3, and 7 probe volumes. Chemical results for the samples



were graphed as a function of the amount of air purged. The correct purge volume was then evaluated as the point at which concentrations begin to stabilize.

LABORATORY QC PROCEDURES

Calibration

Analytical procedures are evaluated by the laboratory by conducting equipment calibration, analyzing a laboratory control standard (LCS), a daily standard, and generating a surrogate calibration curve in accordance with Los Angeles Regional Water Quality Control Board procedures.

LCS will be prepared for the initial calibration, the daily mid-point calibration, and if required, the end-of-day test run. An initial calibration and daily mid-point calibration of target compounds (23 for VOCs) must be conducted prior to analysis of site samples. During the initial calibration, three different concentrations of the LCS will be prepared and analyzed, with the lowest concentration less than five times the detection limit for each compound. The response factor (RF) for each compound and calibration concentrations were calculated. The average RF for each compound was then calculated. The percent relative standard deviation (percent RSD) for each target compound must not exceed 20 percent except for Freon 11, Freon 12, Freon 113, chloroethane, and vinyl chloride. For these chemicals the percent RSD cannot exceed 30 percent. The initial calibration was performed if the RF from the daily mid-point calibration check exceeded ± 15 percent difference from the initial calibration's average RF.

The daily mid-point calibration check was conducted by taking a LCS with a mid-point concentration within the linear range of the initial calibration.

Surrogate Compounds & Recovery

Upon collection of each soil-vapor sample, approximately 5 to 25 nanograms (ng) each of deuterated-chloroform, deuterated-methylene chloride, deuterated-tetrahydrofuran, deuterated-acetone, and deuterated -benzene are introduced through the Viton rubber septum into the sampling bulb. The recovery of these isotopically labeled surrogate compounds is used to determine if the bulbs remained leak-free between sample collection and analysis.

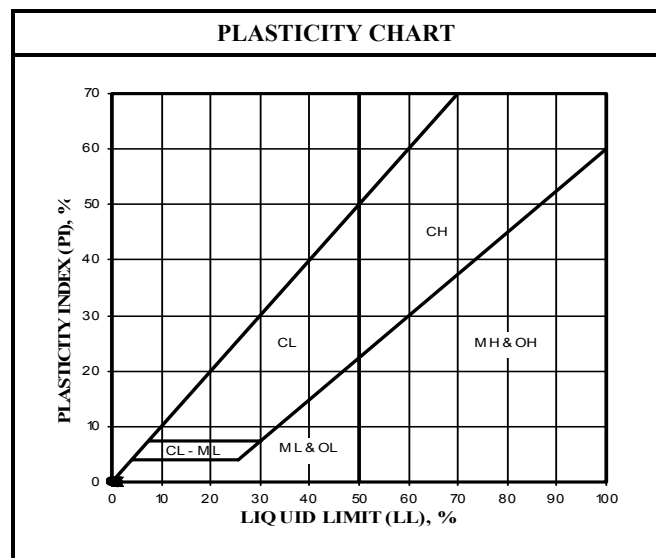
A recovery of 90 percent deuterated-benzene and deuterated chloroform is desirable. A recovery of less than 75 percent invalidates the sample;

Deuterated-acetone is added as a measure of water vapor in the sampling and analysis systems. A recovery of greater than 70 percent is acceptable, although levels of the water-soluble compounds (ketones) may be affected.

APPENDIX B
BORING LOGS

U.S.C.S. METHOD OF SOIL CLASSIFICATION				
MAJOR DIVISIONS		SYMBOL		TYPICAL NAMES
COARSE-GRAINED SOILS (More than 1/2 of soil >No. 200 sieve size)	GRAVELS (More than 1/2 of coarse fraction > No. 4 sieve size)		GW	Well graded gravels or gravel-sand mixtures, little or no fines
			GP	Poorly graded gravels or gravel-sand mixtures, little or no fines
			GM	Silty gravels, gravel-sand-silt mixtures
			GC	Clayey gravels, gravel-sand-clay mixtures
	SANDS (More than 1/2 of coarse fraction <No. 4 sieve size)		SW	Well graded sands or gravelly sands, little or no fines
			SP	Poorly graded sands or gravelly sands, little or no fines
			SM	Silty sands, sand-silt mixtures
			SC	Clayey sands, sand-clay mixtures
FINE-GRAINED SOILS (More than 1/2 of soil <No. 200 sieve size)	SILTS & CLAYS Liquid Limit <50		ML	Inorganic silts and very fine sands, rock flour, silty or clayey fine sands or clayey silts with
			CL	Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean
			OL	Organic silts and organic silty clays of low plasticity
	SILTS & CLAYS Liquid Limit >50		MH	Inorganic silts, micaceous or diatomaceous fine sandy or silty soils, elastic silts
			CH	Inorganic clays of high plasticity, fat clays
			OH	Organic clays of medium to high plasticity, organic silty clays, organic silts
HIGHLY ORGANIC SOILS		Pt	Peat and other highly organic soils	

GRAIN SIZE CHART		
CLASSIFICATION	RANGE OF GRAIN SIZE	
	U.S. Standard Sieve Size	Grain Size in Millimeters
BOULDERS	Above 12"	Above 305
COBBLES	12" to 3"	305 to 76.2
GRAVEL Coarse Fine	3" to No. 4	76.2 to 4.76
	3" to 3/4"	76.2 to 19.1
	3/4" to No. 4	19.1 to 4.76
SAND Coarse Medium Fine	No. 4 to No. 200	4.76 to 0.075
	No. 4 to No. 10	4.76 to 2.00
	No. 10 to No. 40	2.00 to 0.420
	No. 40 to No. 200	0.420 to 0.075
SILT & CLAY	Below No. 200	Below 0.075



Ninyo & Moore	U.S.C.S. METHOD OF SOIL CLASSIFICATION
--------------------------	---

BORING LOG EXPLANATION SHEET

DEPTH (feet)	SAMPLES		BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	SYMBOL	CLASSIFICATION U.S.C.S.	
	Bulk	Driven						
0								Bulk sample.
								Modified split-barrel drive sampler.
								No recovery with modified split-barrel drive sampler.
								Sample retained by others.
								Standard Penetration Test (SPT).
5								No recovery with a SPT.
			XX/XX					Shelby tube sample. Distance pushed in inches/length of sample recovered in inches.
								No recovery with Shelby tube sampler.
								Continuous Push Sample.
								Seepage.
10								Groundwater encountered during drilling.
								Groundwater measured after drilling.
							SM	ALLUVIUM:
								Solid line denotes unit change.
								Dashed line denotes material change.
15								Attitudes: Strike/Dip
								b: Bedding
								c: Contact
								j: Joint
								f: Fracture
								F: Fault
								cs: Clay Seam
								s: Shear
								bss: Basal Slide Surface
								sf: Shear Fracture
								sz: Shear Zone
								sbs: Sheared Bedding Surface
20								The total depth line is a solid line that is drawn at the bottom of the boring.

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BORING LOG

EXPLANATION OF BORING LOG SYMBOLS

PROJECT NO.

DATE
Rev. 01/03

FIGURE

DEPTH (feet)	SAMPLES		BLOWS/FOOT	SAMPLE ID	MOISTURE (%)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	WELL CONSTRUCTION	DATE DRILLED <u>4/20/09</u> BORING NO. <u>1001-101-S</u> GROUND ELEVATION <u>607' ± (MSL)</u> SHEET <u>1</u> OF <u>1</u> METHOD OF DRILLING <u>Direct Push Geoprobe 6610DT</u> DRIVE WEIGHT <u>NA</u> DROP <u>NA</u> SAMPLED BY <u>MKA</u> LOGGED BY <u>MKA</u> REVIEWED BY <u>WRC</u>		
	Bulk	Driven								DESCRIPTION/INTERPRETATION		
0								SM		<u>ASPHALT:</u> Approximately 4 inches thick.		
					0.1							
								SM		Grayish brown (5YR 3/2), silty SAND.		
10					0.3							
								ML		Dark yellowish brown, moist, sandy SILT.		
					0.2							
								SP		Dark yellowish brown, SAND.		
20					0.1					Total Depth = 20 feet. No groundwater encountered. Backfilled with bentonite grout on 4/20/09.		
										<u>Note:</u> Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report.		
30												
40												

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MONITORING WELL LOG

777 NORTH FRONT STREET
BURBANK, CALIFORNIA

PROJECT NO.
207126015

DATE
6/09

FIGURE
B-1

DEPTH (feet)	SAMPLES		BLOWS/FOOT	SAMPLE ID	MOISTURE (%)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	WELL CONSTRUCTION	DATE DRILLED <u>4/20/09</u> BORING NO. <u>1001-102-S</u> GROUND ELEVATION <u>607' ± (MSL)</u> SHEET <u>1</u> OF <u>1</u> METHOD OF DRILLING <u>Direct Push Geoprobe 6610DT</u> DRIVE WEIGHT <u>NA</u> DROP <u>NA</u> SAMPLED BY <u>MKA</u> LOGGED BY <u>MKA</u> REVIEWED BY <u>WRC</u>		
	Bulk	Driven								DESCRIPTION/INTERPRETATION		
0								ML		<u>CONCRETE:</u> Approximately 4 inches thick. <u>ALLUVIUM:</u> Dusky yellowish brown (10YR 2/2), sandy SILT.		
						0.0						
								SM		Moderate brown (5YR 3/4), silty SAND.		
10						0.0						
								SP		Pale yellowish brown (10YR 7/4), SAND; trace gravel.		
						0.0						
								ML		Moderate yellowish brown (10YR 5/4), sandy SILT.		
20						0.0				Total Depth = 20 feet. No groundwater encountered. Backfilled with bentonite grout on 4/20/09. <u>Note:</u> Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report.		
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FIGURE
B-2

DEPTH (feet)	SAMPLES		BLOWS/FOOT	SAMPLE ID	MOISTURE (%)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	WELL CONSTRUCTION	DATE DRILLED <u>4/20/09</u> BORING NO. <u>1001-103-S</u> GROUND ELEVATION <u>607' ± (MSL)</u> SHEET <u>1</u> OF <u>1</u> METHOD OF DRILLING <u>Direct Push Geoprobe 6610DT</u> DRIVE WEIGHT <u>NA</u> DROP <u>NA</u> SAMPLED BY <u>MKA</u> LOGGED BY <u>MKA</u> REVIEWED BY <u>WRC</u>		
	Bulk	Driven								DESCRIPTION/INTERPRETATION		
0								ML		<u>CONCRETE:</u> Approximately 4 inches thick. <u>ALLUVIUM:</u> Grayish brown (5YR 3/2), sandy SILT.		
10						0.1		SP		Dusky brown (5YR 2/2), SAND.		
20						0.0		ML		Dark yellowish orange (10YR 6/6), sandy SILT.		
40						0.0				Total Depth = 20 feet. No groundwater encountered. Backfilled with bentonite grout on 4/20/09. <u>Note:</u> Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report.		



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DEPTH (feet)	SAMPLES		BLOWS/FOOT	SAMPLE ID	MOISTURE (%)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	WELL CONSTRUCTION	DATE DRILLED <u>4/20/09</u> BORING NO. <u>1001-104-S</u> GROUND ELEVATION <u>607' ± (MSL)</u> SHEET <u>1</u> OF <u>1</u> METHOD OF DRILLING <u>Direct Push Geoprobe 6610DT</u> DRIVE WEIGHT <u>NA</u> DROP <u>NA</u> SAMPLED BY <u>MKA</u> LOGGED BY <u>MKA</u> REVIEWED BY <u>WRC</u>	
	Bulk	Driven								DESCRIPTION/INTERPRETATION	
0								SM		<u>CONCRETE:</u> Approximately 4 inches thick.	
						0.5				<u>ALLUVIUM:</u> Moderate brown (5YR 3/4), silty SAND; trace of oxidized iron and gravel.	
								SP		Pale yellowish brown (10YR 6/2), SAND.	
10						3.5		ML		Grayish brown (5YR 3/2), sandy SILT.	
						0.5		ML		Grayish brown (5YR 3/2), sandy SILT.	
20						0.5				Total Depth = 20 feet. No groundwater encountered. Backfilled with bentonite grout on 4/20/09. <u>Note:</u> Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report.	
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DEPTH (feet)	SAMPLES		BLOWS/FOOT	SAMPLE ID	MOISTURE (%)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	WELL CONSTRUCTION	GENERAL INFORMATION	
	Bulk	Driven								DATE DRILLED	BORING NO.
										4/20/09	1001-105-S
										607' ± (MSL)	SHEET 1 OF 1
										METHOD OF DRILLING Direct Push Geoprobe 6610DT	
										NA	DROP NA
										MKA	LOGGED BY MKA REVIEWED BY WRC
DESCRIPTION/INTERPRETATION											
0								ML		<u>CONCRETE:</u> Approximately 4 inches thick.	
						1.5				<u>ALLUVIUM:</u> Grayish brown (5YR 3/2), sandy SILT; trace of rootlets.	
								SP		Moderate brown (5YR 3/4), moist, SAND; trace of gravel.	
10						1.4					
								SM		Pale yellowish brown (10YR 6/2), silty SAND.	
						1.2					
								ML		Moderate brown (5YR 3/4), moist, sandy SILT.	
20						0.0					
										Total Depth = 20 feet. No groundwater encountered. Backfilled with bentonite grout on 4/20/09.	
										<u>Note:</u> Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report.	
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FIGURE
B-5

DEPTH (feet)	SAMPLES		BLOWS/FOOT	SAMPLE ID	MOISTURE (%)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	WELL CONSTRUCTION	DATE DRILLED <u>4/21/09</u> BORING NO. <u>1001-106-S</u> GROUND ELEVATION <u>607' ± (MSL)</u> SHEET <u>1</u> OF <u>1</u> METHOD OF DRILLING <u>Direct Push Geoprobe 6610DT</u> DRIVE WEIGHT <u>NA</u> DROP <u>NA</u> SAMPLED BY <u>MKA</u> LOGGED BY <u>MKA</u> REVIEWED BY <u>WRC</u>		
	Bulk	Driven								DESCRIPTION/INTERPRETATION		
0								SM		<u>CONCRETE:</u> Approximately 4 inches thick.		
						1.3		ML		<u>ALLUVIUM:</u> Grayish brown (5YR 3/2), silty SAND.		
						0.8		SP		Grayish brown (5YR 3/2), sandy SILT.		
						12.9		SM		Dusky brown (5YR 2/2), sand; trace of fines.		
						8.5		SM		Dusky brown (5YR 2/2), silty SAND.		
20										Total Depth = 20 feet. No groundwater encountered. Backfilled with bentonite grout on 4/21/09.		
										<u>Note:</u> Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report.		
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FIGURE
B-6

DEPTH (feet)	SAMPLES		BLOWS/FOOT	SAMPLE ID	MOISTURE (%)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	WELL CONSTRUCTION	GENERAL INFORMATION			
	Bulk Driven									DATE DRILLED	BORING NO.		
										DATE DRILLED	4/21/09	BORING NO.	1001-107-S
										GROUND ELEVATION	607' ± (MSL)	SHEET	1 OF 1
										METHOD OF DRILLING	Direct Push Geoprobe 6610DT		
										DRIVE WEIGHT	NA	DROP	NA
										SAMPLED BY	MKA	LOGGED BY	MKA
										REVIEWED BY	WRC		
										DESCRIPTION/INTERPRETATION			
0								SM		CONCRETE: Approximately 4 inches thick.			
						2.3				ALLUVIUM: Grayish brown (5YR 3/2), silty SAND.			
								ML		Pale yellowish brown (10YR 6/2), sandy SILT; trace gravel.			
10						0.7							
								SM		Dusky yellowish brown (10YR 2/2), silty SAND; trace gravel.			
						11.9							
20						1.8				Total Depth = 20 feet. No groundwater encountered. Backfilled with bentonite grout on 4/21/09.			
										Note: Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report.			
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FIGURE
B-7

DEPTH (feet)	SAMPLES		BLOWS/FOOT	SAMPLE ID	MOISTURE (%)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	WELL CONSTRUCTION	DATE DRILLED <u>4/21/09</u> BORING NO. <u>1001-108-S</u> GROUND ELEVATION <u>607' ± (MSL)</u> SHEET <u>1</u> OF <u>1</u> METHOD OF DRILLING <u>Direct Push Geoprobe 6610DT</u> DRIVE WEIGHT <u>NA</u> DROP <u>NA</u> SAMPLED BY <u>MKA</u> LOGGED BY <u>MKA</u> REVIEWED BY <u>WRC</u>
	Bulk	Driven								
0								SM		ALLUVIUM: Dark yellowish brown (10YR 5/4), silty SAND. Light brown (5YR 5/6), moist, SAND. Grayish brown (5YR 3/2), moist, silty SAND.
58.1								SP		
59.3								SM		
17.7										Total Depth = 20 feet. No groundwater encountered. Backfilled with bentonite grout on 4/21/09. Note: Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report.
71.6										
20										
30										
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FIGURE
B-8

DEPTH (feet)	SAMPLES		BLOWS/FOOT	SAMPLE ID	MOISTURE (%)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	WELL CONSTRUCTION	DATE DRILLED <u>4/21/09</u> BORING NO. <u>1001-109-S</u> GROUND ELEVATION <u>607' ± (MSL)</u> SHEET <u>1</u> OF <u>1</u> METHOD OF DRILLING <u>Direct Push Geoprobe 6610DT</u> DRIVE WEIGHT <u>NA</u> DROP <u>NA</u> SAMPLED BY <u>MKA</u> LOGGED BY <u>MKA</u> REVIEWED BY <u>WRC</u>		
	Bulk	Driven								DESCRIPTION/INTERPRETATION		
0								ML		<u>ASPHALT:</u> <u>Approximately 4 inches thick.</u> Grayish brown (5YR 3/2), sandy SILT		
10.2								SM		Moderate brown (5YR 3/4), silty SAND.		
18.9								ML		Moderate brown (5YR 3/4), sandy SILT.		
10.3												
122.1										Total Depth = 20 feet. No groundwater encountered. Backfilled with bentonite grout on 4/21/09. <u>Note:</u> Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report.		
20												
30												
40												



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DEPTH (feet)	SAMPLES		BLOWS/FOOT	SAMPLE ID	MOISTURE (%)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	WELL CONSTRUCTION	GENERAL INFORMATION	
	Bulk	Driven								DATE DRILLED	BORING NO.
										4/21/09	1001-110-S
										607' ± (MSL)	SHEET 1 OF 1
										METHOD OF DRILLING Direct Push Geoprobe 6610DT	
										NA	NA
										MKA	WRC
DESCRIPTION/INTERPRETATION											
0								ML		<u>ASPHALT:</u> <u>Approximately 4 inches thick.</u> Moderate brown (5YR 4/4), sandy SILT.	
10						0.6					
								SP		Light brown (5YR 5/6), SAND.	
						2.4					
								ML		Moderate brown (5YR 4/4), sandy SILT; trace of gravel.	
						2.8					
20						3.0				Total Depth = 20 feet. No groundwater encountered. Backfilled with bentonite grout on 4/21/09.	
										<u>Note:</u> Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report.	
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FIGURE
B-10

DEPTH (feet)	SAMPLES		BLOWS/FOOT	SAMPLE ID	MOISTURE (%)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	WELL CONSTRUCTION	DATE DRILLED <u>4/21/09</u> BORING NO. <u>1001-111-S</u> GROUND ELEVATION <u>607' ± (MSL)</u> SHEET <u>1</u> OF <u>1</u> METHOD OF DRILLING <u>Direct Push Geoprobe 6610DT</u> DRIVE WEIGHT <u>NA</u> DROP <u>NA</u> SAMPLED BY <u>MKA</u> LOGGED BY <u>MKA</u> REVIEWED BY <u>WRC</u>	
	Bulk	Driven								DESCRIPTION/INTERPRETATION	
0								ML		<u>ASPHALT:</u> <u>Approximately 4 inches thick.</u> Grayish brown (5YR 3/2), moist, sandy SILT.	
						0.0					
								SM		Moderate brown (5YR 3/4), moist, silty SAND.	
10						0.0					
								SP		Moderate brown (5YR 3/4), SAND.	
						0.0					
								ML		Dusky brown (5YR 2/2), sandy SILT.	
20						0.0					
										Total Depth = 20 feet. No groundwater encountered. Backfilled with bentonite grout on 4/21/09. <u>Note:</u> Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report.	
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40											

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FIGURE
B-11

DEPTH (feet)	SAMPLES		BLOWS/FOOT	SAMPLE ID	MOISTURE (%)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	WELL CONSTRUCTION	DATE DRILLED <u>4/20/09</u> BORING NO. <u>1001-112-S</u> GROUND ELEVATION <u>607' ± (MSL)</u> SHEET <u>1</u> OF <u>1</u> METHOD OF DRILLING <u>Direct Push Geoprobe 6610DT</u> DRIVE WEIGHT <u>NA</u> DROP <u>NA</u> SAMPLED BY <u>MKA</u> LOGGED BY <u>MKA</u> REVIEWED BY <u>WRC</u>
	Bulk	Driven								
0								ML		<u>CONCRETE:</u> Approximately 4 inches thick. <u>ALLUVIUM:</u> Pale brown (5YR 5/2), moist, sandy SILT.
						0.0				
								SM		Grayish brown (5YR 3/2), silty SAND.
10						0.0				
								SP		Pale yellowish brown (10YR 6/2), SAND.
						0.0				
								ML		Moderate brown (5YR 3/4), sandy SILT.
20						0.0				Total Depth = 20 feet. No groundwater encountered. Backfilled with bentonite grout on 4/20/09. <u>Note:</u> Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report.
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40										

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FIGURE
B-12

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FIGURE
B-13

DEPTH (feet)	SAMPLES		BLOWS/FOOT	SAMPLE ID	MOISTURE (%)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	WELL CONSTRUCTION	DATE DRILLED <u>4/23/09</u> BORING NO. <u>1001-114-S</u> GROUND ELEVATION <u>607' ± (MSL)</u> SHEET <u>1</u> OF <u>1</u> METHOD OF DRILLING <u>Direct Push Geoprobe 6610DT</u> DRIVE WEIGHT <u>NA</u> DROP _____ SAMPLED BY <u>MKA</u> LOGGED BY <u>MKA</u> REVIEWED BY <u>WRC</u>
	Bulk	Driven								
20								SP		Dusky brown (5YR 2/2), SAND.
						6.0				
								SM		Moderate brown (5YR 3/4), silty SAND.
30						2.9				
								SP		Dark yellowish brown (10YR 4/2), SAND.
						24.2				
40						2.8				Total Depth = 40 feet. No groundwater encountered. Backfilled with bentonite grout on 4/23/09. <u>Note:</u> Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report.
50										
60										

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FIGURE
B-14

DEPTH (feet)	SAMPLES		BLOWS/FOOT	SAMPLE ID	MOISTURE (%)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	WELL CONSTRUCTION	DATE DRILLED <u>4/23/09</u> BORING NO. <u>1001-115-S</u> GROUND ELEVATION <u>607' ± (MSL)</u> SHEET <u>1</u> OF <u>2</u> METHOD OF DRILLING <u>Direct Push Geoprobe 6610DT</u> DRIVE WEIGHT <u>NA</u> DROP <u>NA</u> SAMPLED BY <u>MKA</u> LOGGED BY <u>MKA</u> REVIEWED BY <u>WRC</u>	
	Bulk	Driven								DESCRIPTION/INTERPRETATION	
0								ML		<u>CONCRETE:</u> Approximately 4 inches thick.	
						0.6					
								SP		Pale brown (5YR 5/2), SAND.	
10						0.6					
								ML		Light brown (5YR 5/6), sandy SILT.	
						0.9					
						6.2					
						6.2		SP		Moderate yellowish brown (5YR 5/6), SAND.	
30						0.7					
						0.6					
								SP		Grayish brown (5YR 3/2), SAND.	
40						0.2					

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FIGURE
B-15

DEPTH (feet)	SAMPLES		BLOWS/FOOT	SAMPLE ID	MOISTURE (%)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	WELL CONSTRUCTION	DATE DRILLED <u>4/23/09</u> BORING NO. <u>1001-115-S</u> GROUND ELEVATION <u>607' ± (MSL)</u> SHEET <u>2</u> OF <u>2</u> METHOD OF DRILLING <u>Direct Push Geoprobe 6610DT</u> DRIVE WEIGHT <u>NA</u> DROP <u>NA</u> SAMPLED BY <u>MKA</u> LOGGED BY <u>MKA</u> REVIEWED BY <u>WRC</u>		
	Bulk	Driven								DESCRIPTION/INTERPRETATION		
40										Total Depth = 40 feet. No groundwater encountered. Backfilled with bentonite grout on 4/23/09. <u>Note:</u> Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report.		
50												
60												
70												
80												



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DEPTH (feet)	SAMPLES		BLOWS/FOOT	SAMPLE ID	MOISTURE (%)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	WELL CONSTRUCTION	DATE DRILLED <u>4/23/09</u> BORING NO. <u>1001-116-S</u>	
	Bulk	Driven								GROUND ELEVATION <u>607' ± (MSL)</u> SHEET <u>1</u> OF <u>2</u>	METHOD OF DRILLING <u>Direct Push Geoprobe 6610DT</u>
										DRIVE WEIGHT <u>NA</u> DROP <u>NA</u>	SAMPLED BY <u>MKA</u> LOGGED BY <u>MKA</u> REVIEWED BY <u>WRC</u>
										DESCRIPTION/INTERPRETATION	
0										<u>CONCRETE:</u> Approximately 4 inches thick.	
										<u>ALLUVIUM:</u> No recovery.	
						0.0		SM		Dusky brown (5YR 2/2), silty SAND.	
10						0.1		SP		Grayish brown (5YR 3/2), SAND; trace gravel.	
						0.7					
								SM		Moderate brown (5YR 3/4), silty SAND.	
20						0.8					
								SP		Dark yellowish brown (10YR 3/4), SAND.	
						0.2					
30						2.6		SM		Grayish brown (5YR 3/2), silty SAND.	
						0.2		SP		Moderate brown (5YR 3/4), SAND; trace gravel.	
40						24.2					

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FIGURE
B-17

DEPTH (feet)	SAMPLES		BLOWS/FOOT	SAMPLE ID	MOISTURE (%)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	WELL CONSTRUCTION	DATE DRILLED <u>4/23/09</u> BORING NO. <u>1001-116-S</u> GROUND ELEVATION <u>607' ± (MSL)</u> SHEET <u>2</u> OF <u>2</u> METHOD OF DRILLING <u>Direct Push Geoprobe 6610DT</u> DRIVE WEIGHT <u>NA</u> DROP <u>NA</u> SAMPLED BY <u>MKA</u> LOGGED BY <u>MKA</u> REVIEWED BY <u>WRC</u>		
	Bulk	Driven								DESCRIPTION/INTERPRETATION		
<div style="text-align: center;">40</div> <div style="text-align: center;">50</div> <div style="text-align: center;">60</div> <div style="text-align: center;">70</div> <div style="text-align: center;">80</div>										Total Depth = 40 feet. No groundwater encountered. Backfilled with bentonite grout on 4/23/09. <u>Note:</u> Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report.		

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DEPTH (feet)	SAMPLES		BLOWS/FOOT	SAMPLE ID	MOISTURE (%)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	WELL CONSTRUCTION	DATE DRILLED <u>4/22/09</u> BORING NO. <u>1001-117-S</u> GROUND ELEVATION <u>607' ± (MSL)</u> SHEET <u>1</u> OF <u>1</u> METHOD OF DRILLING <u>Direct Push Geoprobe 6610DT</u> DRIVE WEIGHT <u>NA</u> DROP <u>NA</u> SAMPLED BY <u>MKA</u> LOGGED BY <u>MKA</u> REVIEWED BY <u>WRC</u>
	Bulk	Driven								
20						0.0		ML		ALLUVIUM: Grayish brown (5YR 3/2), sandy SILT; trace of gravel.
								SP		Yellowish brown (10YR 5/4), SAND.
30						0.1		SM		Light brown (5YR 5/6), silty SAND.
						0.1		SP		Moderate brown (5YR 3/4), SAND.
40						0.0				Total Depth = 40 feet. No groundwater encountered. Backfilled with bentonite grout on 4/22/09. Note: Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report.
50										
60										

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FIGURE
B-19

DEPTH (feet)	SAMPLES		BLOWS/FOOT	SAMPLE ID	MOISTURE (%)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	WELL CONSTRUCTION	DATE DRILLED <u>4/23/09</u> BORING NO. <u>1001-118-S</u>	
	Bulk	Driven								GROUND ELEVATION <u>607' ± (MSL)</u> SHEET <u>1</u> OF <u>2</u>	METHOD OF DRILLING <u>Direct Push Geoprobe 6610DT</u>
										DRIVE WEIGHT <u>NA</u> DROP <u>NA</u>	
										SAMPLED BY <u>MKA</u> LOGGED BY <u>MKA</u> REVIEWED BY <u>WRC</u>	
DESCRIPTION/INTERPRETATION											
0								SM		<u>ASPHALT:</u> Approximately 4 inches thick.	
						1.2		ML		<u>ALLUVIUM:</u> Moderate brown (5YR 4/4), silty SAND.	
										Moderate brown (10YR 3/4), sandy SILT with gravel.	
10						2.3		SP		Moderate yellowish brown (10YR 5/4), SAND.	
						0.3		ML		Light brown (5YR 3/4), sandy SILT.	
20						1.3					
						0.6					
						0.4		SM		Moderate brown (5YR 3/4), silty SAND with gravel.	
30											
						0.3					
40						0.6					

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MONITORING WELL LOG

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PROJECT NO.
207126015

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FIGURE
B-20

DEPTH (feet)	SAMPLES		BLOWS/FOOT	SAMPLE ID	MOISTURE (%)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	WELL CONSTRUCTION	DATE DRILLED <u>4/23/09</u> BORING NO. <u>1001-119-S</u> GROUND ELEVATION <u>607' ± (MSL)</u> SHEET <u>1</u> OF <u>2</u> METHOD OF DRILLING <u>Direct Push Geoprobe 6610DT</u> DRIVE WEIGHT <u>NA</u> DROP <u>NA</u> SAMPLED BY <u>MKA</u> LOGGED BY <u>MKA</u> REVIEWED BY <u>WRC</u>	
	Bulk	Driven								DESCRIPTION/INTERPRETATION	
0								ML		<u>ASPHALT:</u> Approximately 4 inches thick.	
						2.1				<u>ALLUVIUM:</u> Moderate brown (5YR 4/4), sandy SILT.	
								SM		Moderate brown (5YR 3/4), silty SAND with gravel.	
10						2.5					
						2.1					
						2.5					
20								SM		Moderate brown (5YR 3/4), silty SAND with gravel.	
								SP		Pale yellowish brown (10YR 6/2), SAND.	
						1.3					
						2.8		SM		Grayish orange (10YR 7/4), silty SAND.	
30						1.3					
								SP		Pale yellowish brown (10YR 6/2), SAND.	
40						1.1					

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FIGURE
B-22

DEPTH (feet)	SAMPLES		BLOWS/FOOT	SAMPLE ID	MOISTURE (%)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	WELL CONSTRUCTION	<div style="display: flex; justify-content: space-between;"> DATE DRILLED <u>4/23/09</u> BORING NO. <u>1001-119-S</u> </div> <div style="display: flex; justify-content: space-between;"> GROUND ELEVATION <u>607' ± (MSL)</u> SHEET <u>2</u> OF <u>2</u> </div> <div style="display: flex; justify-content: space-between;"> METHOD OF DRILLING <u>Direct Push Geoprobe 6610DT</u> </div> <div style="display: flex; justify-content: space-between;"> DRIVE WEIGHT <u>NA</u> DROP <u>NA</u> </div> <div style="display: flex; justify-content: space-between;"> SAMPLED BY <u>MKA</u> LOGGED BY <u>MKA</u> REVIEWED BY <u>WRC</u> </div>		
	Bulk	Driven								DESCRIPTION/INTERPRETATION		
<div style="text-align: center;">40</div> <div style="text-align: center;">50</div> <div style="text-align: center;">60</div> <div style="text-align: center;">70</div> <div style="text-align: center;">80</div>										<p>Total Depth = 40 feet. No groundwater encountered. Backfilled with bentonite grout on 4/23/09.</p> <p><u>Note:</u> Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report.</p>		

MONITORING WELL LOG

777 NORTH FRONT STREET
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PROJECT NO.	DATE	FIGURE
207126015	6/09	B-23

DEPTH (feet)	SAMPLES		BLOWS/FOOT	SAMPLE ID	MOISTURE (%)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	WELL CONSTRUCTION	DATE DRILLED <u>4/23/09</u> BORING NO. <u>1001-120-S</u> GROUND ELEVATION <u>607' ± (MSL)</u> SHEET <u>1</u> OF <u>2</u> METHOD OF DRILLING <u>Direct Push Geoprobe 6610DT</u> DRIVE WEIGHT <u>NA</u> DROP <u>NA</u> SAMPLED BY <u>MKA</u> LOGGED BY <u>MKA</u> REVIEWED BY <u>WRC</u>		
	Bulk	Driven								DESCRIPTION/INTERPRETATION		
0								ML		ASPHALT: Approximately 4 inches thick.		
						0.9		SM		ALLUVIUM: Moderate brown (5YR 3/4), clayey SILT; trace gravel.		
						0.5				Grayish brown (5YR 3/2), silty SAND; trace gravel.		
10						0.6		SP		Grayish brown (5YR 3/2), SAND with gravel.		
						0.3				Grayish brown (5YR 3/2), SAND with gravel.		
20						0.2		ML		Dusky brown (5YR 2/2), sandy SILT.		
						2.0		SC		Moderate brown (5YR 4/4), clayey SAND.		
30						0.3		SP		Pale yellowish brown (10YR 6/2), SAND; trace gravel.		
40						2.0						

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FIGURE
B-24

DEPTH (feet)	SAMPLES		BLOWS/FOOT	SAMPLE ID	MOISTURE (%)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	WELL CONSTRUCTION	DATE DRILLED <u>4/23/09</u> BORING NO. <u>1001-120-S</u> GROUND ELEVATION <u>607' ± (MSL)</u> SHEET <u>2</u> OF <u>2</u> METHOD OF DRILLING <u>Direct Push Geoprobe 6610DT</u> DRIVE WEIGHT <u>NA</u> DROP <u>NA</u> SAMPLED BY <u>MKA</u> LOGGED BY <u>MKA</u> REVIEWED BY <u>WRC</u>
	Bulk	Driven								
40										DESCRIPTION/INTERPRETATION Total Depth = 40 feet. No groundwater encountered. Backfilled with bentonite grout on 4/23/09. <u>Note:</u> Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report.
80										



MONITORING WELL LOG

777 NORTH FRONT STREET
BURBANK, CALIFORNIA

PROJECT NO. 207126015	DATE 6/09	FIGURE B-25
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DEPTH (feet)	SAMPLES		BLOWS/FOOT	SAMPLE ID	MOISTURE (%)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	WELL CONSTRUCTION	GENERAL INFORMATION			
	Bulk Driven	Drop								DATE DRILLED	BORING NO.		
										DATE DRILLED	4/24/09	BORING NO.	1001-201-GW
										GROUND ELEVATION	607' ± (MSL)	SHEET	1 OF 3
										METHOD OF DRILLING	8" Hollow-Stem Auger (Martini Drilling)		
										DRIVE WEIGHT	140 lbs.	DROP	30"
										SAMPLED BY	MKA	LOGGED BY	MKA
										REVIEWED BY	WRC	DESCRIPTION/INTERPRETATION	
0								ML		<u>ASPHALT:</u> Approximately 4 inches thick.			
			7			0.5				<u>ALLUVIUM:</u> Dusky brown (5YR 2/2), very loose to dense, sandy SILT.			
10			56			1.5							
			11			21.2				Grayish brown (5YR 3/2); trace gravel.			
								SM		Moderate brown (5YR 4/4), loose, silty SAND; trace gravel.			
20			17										
			15			0.9		SP		Dark yellowish brown (10YR 4/2), loose, SAND with gravel.			
30			29			0.7							
								ML		Grayish brown (5YR 3/2), sandy SILT.			
			20			1.6							
								SM		Moderate brown (5YR 3/4), dense, silty SAND; trace gravel.			
40													

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777 NORTH FRONT STREET
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PROJECT NO.
207126015

DATE
6/09

FIGURE
B-26

DEPTH (feet)	SAMPLES		BLOWS/FOOT	SAMPLE ID	MOISTURE (%)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	WELL CONSTRUCTION	DATE DRILLED	BORING NO.				
	Bulk	Driven								GROUND ELEVATION	SHEET	OF			
										4/24/09	1001-201-GW				
										607' ± (MSL)		2	OF	3	
										METHOD OF DRILLING 8" Hollow-Stem Auger (Martini Drilling)					
										DRIVE WEIGHT	140 lbs.	DROP	30"		
										SAMPLED BY	MKA	LOGGED BY	MKA	REVIEWED BY	WRC
										DESCRIPTION/INTERPRETATION					
40			39			1.4		SM		ALLUVIUM: (Continued) Moderate brown (5YR 3/4), dense, silty SAND; trace gravel.					
								SC		Moderate brown (5YR 3/4), clayey SAND.					
			27			1.5		SM		Moderate brown (5YR 3/4), silty SAND; few gravel.					
								SP		Dark yellowish brown (10YR 4/2), dense, SAND; few gravel.					
50			52			0.7									
								SM		Light brown (5YR 5/6), medium dense, silty SAND; few gravel.					
			23			0.8									
										Dark yellowish brown (10YR 4/2), silty SAND; trace gravel.					
60			37			0.9									
								SP		Dusky brown (5YR 2/2), very dense, SAND; trace fines; few gravel.					
			76			1.3									
								SM		Grayish brown (5YR 3/2), silty SAND; trace fines; trace gravel.					
70			73			1.3									
			45			1.5									
								SP		Dark yellowish brown (10YR 4/2), very dense SAND; trace gravel.					
80															

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BURBANK, CALIFORNIA

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FIGURE
B-27

DEPTH (feet)	SAMPLES		BLOWS/FOOT	SAMPLE ID	MOISTURE (%)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	WELL CONSTRUCTION	GENERAL INFORMATION	
	Bulk	Driven								DATE DRILLED	BORING NO.
										DATE DRILLED	4/24/09
										BORING NO.	1001-201-GW
										GROUND ELEVATION	607' ± (MSL)
										SHEET	3 OF 3
										METHOD OF DRILLING	8" Hollow-Stem Auger (Martini Drilling)
										DRIVE WEIGHT	140 lbs.
										DROP	30"
										SAMPLED BY	MKA
										LOGGED BY	MKA
										REVIEWED BY	WRC
										DESCRIPTION/INTERPRETATION	
80			61			1.6		SP		ALLUVIUM: (Continued) Dark yellowish brown (10YR 4/2), very dense, SAND; trace gravel.	
			85			1.4		SM		Dark yellowish brown (10YR 4/2), very dense, silty SAND.	
90			50/6"			0.8		SC		Moderate yellowish brown (10YR 5/4), dense, clayey SAND.	
			46			0.5		SP		Moderate brown (5YR 4/4), very dense, SAND; trace fines; trace gravel.	
100			50/3"			0.8				Total Depth = 100 feet. No groundwater encountered. Backfilled with bentonite grout on 4/24/09.	
										Note: Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report.	
110											
120											

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207126015

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FIGURE
B-28

DEPTH (feet)	SAMPLES		BLOWS/FOOT	SAMPLE ID	MOISTURE (%)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	WELL CONSTRUCTION	DATE DRILLED <u>4/24/09</u> BORING NO. <u>1001-202-GW</u> GROUND ELEVATION <u>607' ± (MSL)</u> SHEET <u>1</u> OF <u>3</u> METHOD OF DRILLING <u>8" Hollow-Stem Auger (Martini Drilling)</u> DRIVE WEIGHT <u>140 lbs.</u> DROP <u>30"</u> SAMPLED BY <u>MKA</u> LOGGED BY <u>MKA</u> REVIEWED BY <u>WRC</u>		
	Bulk	Driven								DESCRIPTION/INTERPRETATION		
0								SC		CONCRETE: Approximately 4 inches thick.		
10			12			0.0				ALLUVIUM: Dusky brown (5YR 2/2), loose, clayey SAND.		
20			11			0.3		ML		Moderate brown (5YR 3/4), soft, sandy SILT.		
30			51			1.2		SP		Light brown (5YR 5/6), dense, SAND; trace fines.		
40								SM		Moderate yellowish brown (10YR 5/4), silty SAND; trace gravel.		



MONITORING WELL LOG		
777 NORTH FRONT STREET BURBANK, CALIFORNIA		
PROJECT NO. 207126015	DATE 6/09	FIGURE B-29

DEPTH (feet)	SAMPLES		BLOWS/FOOT	SAMPLE ID	MOISTURE (%)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	WELL CONSTRUCTION	GENERAL INFORMATION	
	Bulk	Driven								DATE DRILLED	BORING NO.
										DATE DRILLED	4/24/09
										BORING NO.	1001-202-GW
										GROUND ELEVATION	607' ± (MSL)
										SHEET	2 OF 3
										METHOD OF DRILLING	8" Hollow-Stem Auger (Martini Drilling)
										DRIVE WEIGHT	140 lbs.
										DROP	30"
										SAMPLED BY	MKA
										LOGGED BY	MKA
										REVIEWED BY	WRC
										DESCRIPTION/INTERPRETATION	
40			34			0.9		SM		ALLUVIUM: (Continued) Moderate yellowish brown (10YR 5/4), medium dense silty SAND; trace gravel.	
								ML		Moderate brown (5YR 4/4), moist, firm, sandy SILT; trace gravel.	
50			29			1.2		SP		Grayish brown (5YR 3/2), very dense, SAND; few gravel.	
								SM		Dark yellowish orange (10YR 6/6), medium dense, silty SAND; trace oxidized iron.	
60			76			1.4		SP		Grayish brown (5YR 3/2), dense, SAND; few gravel; trace oxidized iron.	
								SM		Dark yellowish orange (10YR 6/6), medium dense, silty SAND; trace oxidized iron.	
70			28			6.3		SP		Grayish brown (5YR 3/2), dense, SAND; few gravel; trace oxidized iron.	
80											

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MONITORING WELL LOG

777 NORTH FRONT STREET
BURBANK, CALIFORNIA

PROJECT NO.
207126015

DATE
6/09

FIGURE
B-30

DEPTH (feet)	SAMPLES	BLOWS/FOOT	SAMPLE ID	MOISTURE (%)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	WELL CONSTRUCTION	GENERAL INFORMATION	
									DATE DRILLED	BORING NO.
									4/24/09	1001-202-GW
									607' ± (MSL)	SHEET 3 OF 3
									8" Hollow-Stem Auger (Martini Drilling)	
									140 lbs.	DROP 30"
									MKA	LOGGED BY MKA REVIEWED BY WRC
									DESCRIPTION/INTERPRETATION	
80		46			0.5		SP		<u>ALLUVIUM:</u> (Continued) Grayish brown (5YR 3/2), dense, SAND; few gravel; trace oxidized iron.	
							SM		Dark yellowish brown (10YR 4/2), very dense, silty SAND.	
90		71/8"			0.3					
							SP		Yellowish brown (10YR 4/2), very dense, SAND.	
100		74			0.3				Total Depth = 100 feet. No groundwater encountered. Backfilled with bentonite grout on 4/24/09.	
									<u>Note:</u> Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report.	
110										
120										

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MONITORING WELL LOG

777 NORTH FRONT STREET
BURBANK, CALIFORNIA

PROJECT NO.
207126015

DATE
6/09

FIGURE
B-31

APPENDIX C

LABORATORY REPORTS

May 01, 2009



David Shaler
Ninyo & Moore
475 Goddard Suite 200
Irvine, CA 92618
TEL: (949) 753-7070
FAX: (949) 753-7071

ELAP No.: 1838
NELAP No.: 02107CA
NEVADA.: CA-401
CSDLAC No.: 10196

Workorder No.: 105139

RE: 207126015

Attention: David Shaler

Enclosed are the results for sample(s) received on April 20, 2009 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

A handwritten signature in black ink, appearing to read "E. Rodriguez".

Eddie F. Rodriguez
Laboratory Director

The cover letter and the case narrative are an integral part of this analytical report and cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories.



Advanced Technology Laboratories

Date: 01-May-09

CLIENT: Ninyo & Moore

Project: 207126015

Lab Order: 105139

Contract No:

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
105139-001A	1001-101-2-S	Soil	4/20/2009 8:00:00 AM	4/20/2009	5/1/2009
105139-001B	1001-101-2-S	Soil	4/20/2009 8:00:00 AM	4/20/2009	5/1/2009
105139-001C	1001-101-2-S	Soil	4/20/2009 8:00:00 AM	4/20/2009	5/1/2009
105139-001D	1001-101-2-S	Soil	4/20/2009 8:00:00 AM	4/20/2009	5/1/2009
105139-001E	1001-101-2-S	Soil	4/20/2009 8:00:00 AM	4/20/2009	5/1/2009
105139-001F	1001-101-2-S	Soil	4/20/2009 8:00:00 AM	4/20/2009	5/1/2009
105139-001G	1001-101-2-S	Soil	4/20/2009 8:00:00 AM	4/20/2009	5/1/2009
105139-002A	1001-101-5-S	Soil	4/20/2009 8:10:00 AM	4/20/2009	5/1/2009
105139-002B	1001-101-5-S	Soil	4/20/2009 8:10:00 AM	4/20/2009	5/1/2009
105139-002C	1001-101-5-S	Soil	4/20/2009 8:10:00 AM	4/20/2009	5/1/2009
105139-002D	1001-101-5-S	Soil	4/20/2009 8:10:00 AM	4/20/2009	5/1/2009
105139-002E	1001-101-5-S	Soil	4/20/2009 8:10:00 AM	4/20/2009	5/1/2009
105139-002F	1001-101-5-S	Soil	4/20/2009 8:10:00 AM	4/20/2009	5/1/2009
105139-002G	1001-101-5-S	Soil	4/20/2009 8:10:00 AM	4/20/2009	5/1/2009
105139-003A	1001-101-10-S	Soil	4/20/2009 8:20:00 AM	4/20/2009	5/1/2009
105139-003B	1001-101-10-S	Soil	4/20/2009 8:20:00 AM	4/20/2009	5/1/2009
105139-003C	1001-101-10-S	Soil	4/20/2009 8:20:00 AM	4/20/2009	5/1/2009
105139-003D	1001-101-10-S	Soil	4/20/2009 8:20:00 AM	4/20/2009	5/1/2009
105139-003E	1001-101-10-S	Soil	4/20/2009 8:20:00 AM	4/20/2009	5/1/2009
105139-003F	1001-101-10-S	Soil	4/20/2009 8:20:00 AM	4/20/2009	5/1/2009
105139-003G	1001-101-10-S	Soil	4/20/2009 8:20:00 AM	4/20/2009	5/1/2009
105139-004A	1001-101-20-S	Soil	4/20/2009 8:45:00 AM	4/20/2009	5/1/2009
105139-004B	1001-101-20-S	Soil	4/20/2009 8:45:00 AM	4/20/2009	5/1/2009
105139-004C	1001-101-20-S	Soil	4/20/2009 8:45:00 AM	4/20/2009	5/1/2009
105139-004D	1001-101-20-S	Soil	4/20/2009 8:45:00 AM	4/20/2009	5/1/2009
105139-004E	1001-101-20-S	Soil	4/20/2009 8:45:00 AM	4/20/2009	5/1/2009
105139-004F	1001-101-20-S	Soil	4/20/2009 8:45:00 AM	4/20/2009	5/1/2009
105139-004G	1001-101-20-S	Soil	4/20/2009 8:45:00 AM	4/20/2009	5/1/2009
105139-005A	1001-102-2-S	Soil	4/20/2009 9:25:00 AM	4/20/2009	5/1/2009



Advanced Technology
Laboratories

3275 Walnut Avenue, Signal Hill, CA 90755

Tel: 562.989.4045

Fax: 562.989.4040

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CLIENT: Ninyo & Moore
Project: 207126015
Lab Order: 105139
Contract No:

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
105139-005B	1001-102-2-S	Soil	4/20/2009 9:25:00 AM	4/20/2009	5/1/2009
105139-005C	1001-102-2-S	Soil	4/20/2009 9:25:00 AM	4/20/2009	5/1/2009
105139-005D	1001-102-2-S	Soil	4/20/2009 9:25:00 AM	4/20/2009	5/1/2009
105139-005E	1001-102-2-S	Soil	4/20/2009 9:25:00 AM	4/20/2009	5/1/2009
105139-005F	1001-102-2-S	Soil	4/20/2009 9:25:00 AM	4/20/2009	5/1/2009
105139-005G	1001-102-2-S	Soil	4/20/2009 9:25:00 AM	4/20/2009	5/1/2009
105139-006A	1001-102-5-S	Soil	4/20/2009 9:35:00 AM	4/20/2009	5/1/2009
105139-006B	1001-102-5-S	Soil	4/20/2009 9:35:00 AM	4/20/2009	5/1/2009
105139-006C	1001-102-5-S	Soil	4/20/2009 9:35:00 AM	4/20/2009	5/1/2009
105139-006D	1001-102-5-S	Soil	4/20/2009 9:35:00 AM	4/20/2009	5/1/2009
105139-006E	1001-102-5-S	Soil	4/20/2009 9:35:00 AM	4/20/2009	5/1/2009
105139-006F	1001-102-5-S	Soil	4/20/2009 9:35:00 AM	4/20/2009	5/1/2009
105139-006G	1001-102-5-S	Soil	4/20/2009 9:35:00 AM	4/20/2009	5/1/2009
105139-007A	1001-102-10-S	Soil	4/20/2009 9:45:00 AM	4/20/2009	5/1/2009
105139-007B	1001-102-10-S	Soil	4/20/2009 9:45:00 AM	4/20/2009	5/1/2009
105139-007C	1001-102-10-S	Soil	4/20/2009 9:45:00 AM	4/20/2009	5/1/2009
105139-007D	1001-102-10-S	Soil	4/20/2009 9:45:00 AM	4/20/2009	5/1/2009
105139-007E	1001-102-10-S	Soil	4/20/2009 9:45:00 AM	4/20/2009	5/1/2009
105139-007F	1001-102-10-S	Soil	4/20/2009 9:45:00 AM	4/20/2009	5/1/2009
105139-007G	1001-102-10-S	Soil	4/20/2009 9:45:00 AM	4/20/2009	5/1/2009
105139-008A	1001-102-20-S	Soil	4/20/2009 10:00:00 AM	4/20/2009	5/1/2009
105139-008B	1001-102-20-S	Soil	4/20/2009 10:00:00 AM	4/20/2009	5/1/2009
105139-008C	1001-102-20-S	Soil	4/20/2009 10:00:00 AM	4/20/2009	5/1/2009
105139-008D	1001-102-20-S	Soil	4/20/2009 10:00:00 AM	4/20/2009	5/1/2009
105139-008E	1001-102-20-S	Soil	4/20/2009 10:00:00 AM	4/20/2009	5/1/2009
105139-008F	1001-102-20-S	Soil	4/20/2009 10:00:00 AM	4/20/2009	5/1/2009
105139-008G	1001-102-20-S	Soil	4/20/2009 10:00:00 AM	4/20/2009	5/1/2009
105139-009A	1001-112-2-S	Soil	4/20/2009 10:30:00 AM	4/20/2009	5/1/2009
105139-009B	1001-112-2-S	Soil	4/20/2009 10:30:00 AM	4/20/2009	5/1/2009
105139-009C	1001-112-2-S	Soil	4/20/2009 10:30:00 AM	4/20/2009	5/1/2009



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Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
105139-009D	1001-112-2-S	Soil	4/20/2009 10:30:00 AM	4/20/2009	5/1/2009
105139-009E	1001-112-2-S	Soil	4/20/2009 10:30:00 AM	4/20/2009	5/1/2009
105139-009F	1001-112-2-S	Soil	4/20/2009 10:30:00 AM	4/20/2009	5/1/2009
105139-009G	1001-112-2-S	Soil	4/20/2009 10:30:00 AM	4/20/2009	5/1/2009
105139-010A	1001-112-5-S	Soil	4/20/2009 10:35:00 AM	4/20/2009	5/1/2009
105139-010B	1001-112-5-S	Soil	4/20/2009 10:35:00 AM	4/20/2009	5/1/2009
105139-010C	1001-112-5-S	Soil	4/20/2009 10:35:00 AM	4/20/2009	5/1/2009
105139-010D	1001-112-5-S	Soil	4/20/2009 10:35:00 AM	4/20/2009	5/1/2009
105139-010E	1001-112-5-S	Soil	4/20/2009 10:35:00 AM	4/20/2009	5/1/2009
105139-010F	1001-112-5-S	Soil	4/20/2009 10:35:00 AM	4/20/2009	5/1/2009
105139-010G	1001-112-5-S	Soil	4/20/2009 10:35:00 AM	4/20/2009	5/1/2009
105139-011A	1001-112-10-S	Soil	4/20/2009 10:40:00 AM	4/20/2009	5/1/2009
105139-011B	1001-112-10-S	Soil	4/20/2009 10:40:00 AM	4/20/2009	5/1/2009
105139-011C	1001-112-10-S	Soil	4/20/2009 10:40:00 AM	4/20/2009	5/1/2009
105139-011D	1001-112-10-S	Soil	4/20/2009 10:40:00 AM	4/20/2009	5/1/2009
105139-011E	1001-112-10-S	Soil	4/20/2009 10:40:00 AM	4/20/2009	5/1/2009
105139-011F	1001-112-10-S	Soil	4/20/2009 10:40:00 AM	4/20/2009	5/1/2009
105139-011G	1001-112-10-S	Soil	4/20/2009 10:40:00 AM	4/20/2009	5/1/2009
105139-012A	1001-112-20-S	Soil	4/20/2009 10:45:00 AM	4/20/2009	5/1/2009
105139-012B	1001-112-20-S	Soil	4/20/2009 10:45:00 AM	4/20/2009	5/1/2009
105139-012C	1001-112-20-S	Soil	4/20/2009 10:45:00 AM	4/20/2009	5/1/2009
105139-012D	1001-112-20-S	Soil	4/20/2009 10:45:00 AM	4/20/2009	5/1/2009
105139-012E	1001-112-20-S	Soil	4/20/2009 10:45:00 AM	4/20/2009	5/1/2009
105139-012F	1001-112-20-S	Soil	4/20/2009 10:45:00 AM	4/20/2009	5/1/2009
105139-012G	1001-112-20-S	Soil	4/20/2009 10:45:00 AM	4/20/2009	5/1/2009
105139-013A	1001-103-2-S	Soil	4/20/2009 11:05:00 AM	4/20/2009	5/1/2009
105139-013B	1001-103-2-S	Soil	4/20/2009 11:05:00 AM	4/20/2009	5/1/2009
105139-013C	1001-103-2-S	Soil	4/20/2009 11:05:00 AM	4/20/2009	5/1/2009
105139-013D	1001-103-2-S	Soil	4/20/2009 11:05:00 AM	4/20/2009	5/1/2009
105139-013E	1001-103-2-S	Soil	4/20/2009 11:05:00 AM	4/20/2009	5/1/2009



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Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
105139-013F	1001-103-2-S	Soil	4/20/2009 11:05:00 AM	4/20/2009	5/1/2009
105139-013G	1001-103-2-S	Soil	4/20/2009 11:05:00 AM	4/20/2009	5/1/2009
105139-014A	1001-103-5-S	Soil	4/20/2009 11:10:00 AM	4/20/2009	5/1/2009
105139-014B	1001-103-5-S	Soil	4/20/2009 11:10:00 AM	4/20/2009	5/1/2009
105139-014C	1001-103-5-S	Soil	4/20/2009 11:10:00 AM	4/20/2009	5/1/2009
105139-014D	1001-103-5-S	Soil	4/20/2009 11:10:00 AM	4/20/2009	5/1/2009
105139-014E	1001-103-5-S	Soil	4/20/2009 11:10:00 AM	4/20/2009	5/1/2009
105139-014F	1001-103-5-S	Soil	4/20/2009 11:10:00 AM	4/20/2009	5/1/2009
105139-014G	1001-103-5-S	Soil	4/20/2009 11:10:00 AM	4/20/2009	5/1/2009
105139-015A	1001-103-10-S	Soil	4/20/2009 11:15:00 AM	4/20/2009	5/1/2009
105139-015B	1001-103-10-S	Soil	4/20/2009 11:15:00 AM	4/20/2009	5/1/2009
105139-015C	1001-103-10-S	Soil	4/20/2009 11:15:00 AM	4/20/2009	5/1/2009
105139-015D	1001-103-10-S	Soil	4/20/2009 11:15:00 AM	4/20/2009	5/1/2009
105139-015E	1001-103-10-S	Soil	4/20/2009 11:15:00 AM	4/20/2009	5/1/2009
105139-015F	1001-103-10-S	Soil	4/20/2009 11:15:00 AM	4/20/2009	5/1/2009
105139-015G	1001-103-10-S	Soil	4/20/2009 11:15:00 AM	4/20/2009	5/1/2009
105139-016A	1001-103-20-S	Soil	4/20/2009 11:20:00 AM	4/20/2009	5/1/2009
105139-016B	1001-103-20-S	Soil	4/20/2009 11:20:00 AM	4/20/2009	5/1/2009
105139-016C	1001-103-20-S	Soil	4/20/2009 11:20:00 AM	4/20/2009	5/1/2009
105139-016D	1001-103-20-S	Soil	4/20/2009 11:20:00 AM	4/20/2009	5/1/2009
105139-016E	1001-103-20-S	Soil	4/20/2009 11:20:00 AM	4/20/2009	5/1/2009
105139-016F	1001-103-20-S	Soil	4/20/2009 11:20:00 AM	4/20/2009	5/1/2009
105139-016G	1001-103-20-S	Soil	4/20/2009 11:20:00 AM	4/20/2009	5/1/2009
105139-017A	1001-104-2-S	Soil	4/20/2009 11:50:00 AM	4/20/2009	5/1/2009
105139-017B	1001-104-2-S	Soil	4/20/2009 11:50:00 AM	4/20/2009	5/1/2009
105139-017C	1001-104-2-S	Soil	4/20/2009 11:50:00 AM	4/20/2009	5/1/2009
105139-017D	1001-104-2-S	Soil	4/20/2009 11:50:00 AM	4/20/2009	5/1/2009
105139-017E	1001-104-2-S	Soil	4/20/2009 11:50:00 AM	4/20/2009	5/1/2009
105139-017F	1001-104-2-S	Soil	4/20/2009 11:50:00 AM	4/20/2009	5/1/2009
105139-017G	1001-104-2-S	Soil	4/20/2009 11:50:00 AM	4/20/2009	5/1/2009



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Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
105139-018A	1001-104-5-S	Soil	4/20/2009 11:55:00 AM	4/20/2009	5/1/2009
105139-018B	1001-104-5-S	Soil	4/20/2009 11:55:00 AM	4/20/2009	5/1/2009
105139-018C	1001-104-5-S	Soil	4/20/2009 11:55:00 AM	4/20/2009	5/1/2009
105139-018D	1001-104-5-S	Soil	4/20/2009 11:55:00 AM	4/20/2009	5/1/2009
105139-018E	1001-104-5-S	Soil	4/20/2009 11:55:00 AM	4/20/2009	5/1/2009
105139-018F	1001-104-5-S	Soil	4/20/2009 11:55:00 AM	4/20/2009	5/1/2009
105139-018G	1001-104-5-S	Soil	4/20/2009 11:55:00 AM	4/20/2009	5/1/2009
105139-019A	1001-104-10-S	Soil	4/20/2009 12:00:00 PM	4/20/2009	5/1/2009
105139-019B	1001-104-10-S	Soil	4/20/2009 12:00:00 PM	4/20/2009	5/1/2009
105139-019C	1001-104-10-S	Soil	4/20/2009 12:00:00 PM	4/20/2009	5/1/2009
105139-019D	1001-104-10-S	Soil	4/20/2009 12:00:00 PM	4/20/2009	5/1/2009
105139-019E	1001-104-10-S	Soil	4/20/2009 12:00:00 PM	4/20/2009	5/1/2009
105139-019F	1001-104-10-S	Soil	4/20/2009 12:00:00 PM	4/20/2009	5/1/2009
105139-019G	1001-104-10-S	Soil	4/20/2009 12:00:00 PM	4/20/2009	5/1/2009
105139-020A	1001-105-2-S	Soil	4/20/2009 1:15:00 PM	4/20/2009	5/1/2009
105139-020B	1001-105-2-S	Soil	4/20/2009 1:15:00 PM	4/20/2009	5/1/2009
105139-020C	1001-105-2-S	Soil	4/20/2009 1:15:00 PM	4/20/2009	5/1/2009
105139-020D	1001-105-2-S	Soil	4/20/2009 1:15:00 PM	4/20/2009	5/1/2009
105139-020E	1001-105-2-S	Soil	4/20/2009 1:15:00 PM	4/20/2009	5/1/2009
105139-020F	1001-105-2-S	Soil	4/20/2009 1:15:00 PM	4/20/2009	5/1/2009
105139-020G	1001-105-2-S	Soil	4/20/2009 1:15:00 PM	4/20/2009	5/1/2009
105139-021A	1001-105-5-S	Soil	4/20/2009 1:20:00 PM	4/20/2009	5/1/2009
105139-021B	1001-105-5-S	Soil	4/20/2009 1:20:00 PM	4/20/2009	5/1/2009
105139-021C	1001-105-5-S	Soil	4/20/2009 1:20:00 PM	4/20/2009	5/1/2009
105139-021D	1001-105-5-S	Soil	4/20/2009 1:20:00 PM	4/20/2009	5/1/2009
105139-021E	1001-105-5-S	Soil	4/20/2009 1:20:00 PM	4/20/2009	5/1/2009
105139-021F	1001-105-5-S	Soil	4/20/2009 1:20:00 PM	4/20/2009	5/1/2009
105139-021G	1001-105-5-S	Soil	4/20/2009 1:20:00 PM	4/20/2009	5/1/2009
105139-022A	1001-105-10-S	Soil	4/20/2009 1:25:00 PM	4/20/2009	5/1/2009
105139-022B	1001-105-10-S	Soil	4/20/2009 1:25:00 PM	4/20/2009	5/1/2009



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Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
105139-022C	1001-105-10-S	Soil	4/20/2009 1:25:00 PM	4/20/2009	5/1/2009
105139-022D	1001-105-10-S	Soil	4/20/2009 1:25:00 PM	4/20/2009	5/1/2009
105139-022E	1001-105-10-S	Soil	4/20/2009 1:25:00 PM	4/20/2009	5/1/2009
105139-022F	1001-105-10-S	Soil	4/20/2009 1:25:00 PM	4/20/2009	5/1/2009
105139-022G	1001-105-10-S	Soil	4/20/2009 1:25:00 PM	4/20/2009	5/1/2009
105139-023A	1001-105-20-S	Soil	4/20/2009 1:35:00 PM	4/20/2009	5/1/2009
105139-023B	1001-105-20-S	Soil	4/20/2009 1:35:00 PM	4/20/2009	5/1/2009
105139-023C	1001-105-20-S	Soil	4/20/2009 1:35:00 PM	4/20/2009	5/1/2009
105139-023D	1001-105-20-S	Soil	4/20/2009 1:35:00 PM	4/20/2009	5/1/2009
105139-023E	1001-105-20-S	Soil	4/20/2009 1:35:00 PM	4/20/2009	5/1/2009
105139-023F	1001-105-20-S	Soil	4/20/2009 1:35:00 PM	4/20/2009	5/1/2009
105139-023G	1001-105-20-S	Soil	4/20/2009 1:35:00 PM	4/20/2009	5/1/2009
105139-024A	1001-111-2-S	Soil	4/20/2009 2:10:00 PM	4/20/2009	5/1/2009
105139-024B	1001-111-2-S	Soil	4/20/2009 2:10:00 PM	4/20/2009	5/1/2009
105139-024C	1001-111-2-S	Soil	4/20/2009 2:10:00 PM	4/20/2009	5/1/2009
105139-024D	1001-111-2-S	Soil	4/20/2009 2:10:00 PM	4/20/2009	5/1/2009
105139-024E	1001-111-2-S	Soil	4/20/2009 2:10:00 PM	4/20/2009	5/1/2009
105139-024F	1001-111-2-S	Soil	4/20/2009 2:10:00 PM	4/20/2009	5/1/2009
105139-024G	1001-111-2-S	Soil	4/20/2009 2:10:00 PM	4/20/2009	5/1/2009
105139-025A	1001-111-2D-S	Soil	4/20/2009 2:10:00 PM	4/20/2009	5/1/2009
105139-025B	1001-111-2D-S	Soil	4/20/2009 2:10:00 PM	4/20/2009	5/1/2009
105139-025C	1001-111-2D-S	Soil	4/20/2009 2:10:00 PM	4/20/2009	5/1/2009
105139-025D	1001-111-2D-S	Soil	4/20/2009 2:10:00 PM	4/20/2009	5/1/2009
105139-025E	1001-111-2D-S	Soil	4/20/2009 2:10:00 PM	4/20/2009	5/1/2009
105139-025F	1001-111-2D-S	Soil	4/20/2009 2:10:00 PM	4/20/2009	5/1/2009
105139-025G	1001-111-2D-S	Soil	4/20/2009 2:10:00 PM	4/20/2009	5/1/2009
105139-026A	1001-111-5-S	Soil	4/20/2009 2:15:00 PM	4/20/2009	5/1/2009
105139-026B	1001-111-5-S	Soil	4/20/2009 2:15:00 PM	4/20/2009	5/1/2009
105139-026C	1001-111-5-S	Soil	4/20/2009 2:15:00 PM	4/20/2009	5/1/2009
105139-026D	1001-111-5-S	Soil	4/20/2009 2:15:00 PM	4/20/2009	5/1/2009



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Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
105139-026E	1001-111-5-S	Soil	4/20/2009 2:15:00 PM	4/20/2009	5/1/2009
105139-026F	1001-111-5-S	Soil	4/20/2009 2:15:00 PM	4/20/2009	5/1/2009
105139-026G	1001-111-5-S	Soil	4/20/2009 2:15:00 PM	4/20/2009	5/1/2009
105139-027A	1001-111-10-S	Soil	4/20/2009 2:20:00 PM	4/20/2009	5/1/2009
105139-027B	1001-111-10-S	Soil	4/20/2009 2:20:00 PM	4/20/2009	5/1/2009
105139-027C	1001-111-10-S	Soil	4/20/2009 2:20:00 PM	4/20/2009	5/1/2009
105139-027D	1001-111-10-S	Soil	4/20/2009 2:20:00 PM	4/20/2009	5/1/2009
105139-027E	1001-111-10-S	Soil	4/20/2009 2:20:00 PM	4/20/2009	5/1/2009
105139-027F	1001-111-10-S	Soil	4/20/2009 2:20:00 PM	4/20/2009	5/1/2009
105139-027G	1001-111-10-S	Soil	4/20/2009 2:20:00 PM	4/20/2009	5/1/2009
105139-028A	1001-111-20-S	Soil	4/20/2009 2:25:00 PM	4/20/2009	5/1/2009
105139-028B	1001-111-20-S	Soil	4/20/2009 2:25:00 PM	4/20/2009	5/1/2009
105139-028C	1001-111-20-S	Soil	4/20/2009 2:25:00 PM	4/20/2009	5/1/2009
105139-028D	1001-111-20-S	Soil	4/20/2009 2:25:00 PM	4/20/2009	5/1/2009
105139-028E	1001-111-20-S	Soil	4/20/2009 2:25:00 PM	4/20/2009	5/1/2009
105139-028F	1001-111-20-S	Soil	4/20/2009 2:25:00 PM	4/20/2009	5/1/2009
105139-028G	1001-111-20-S	Soil	4/20/2009 2:25:00 PM	4/20/2009	5/1/2009
105139-029A	1001-111-20D-S	Soil	4/20/2009 2:25:00 PM	4/20/2009	5/1/2009
105139-029B	1001-111-20D-S	Soil	4/20/2009 2:25:00 PM	4/20/2009	5/1/2009
105139-029C	1001-111-20D-S	Soil	4/20/2009 2:25:00 PM	4/20/2009	5/1/2009
105139-029D	1001-111-20D-S	Soil	4/20/2009 2:25:00 PM	4/20/2009	5/1/2009
105139-029E	1001-111-20D-S	Soil	4/20/2009 2:25:00 PM	4/20/2009	5/1/2009
105139-029F	1001-111-20D-S	Soil	4/20/2009 2:25:00 PM	4/20/2009	5/1/2009
105139-029G	1001-111-20D-S	Soil	4/20/2009 2:25:00 PM	4/20/2009	5/1/2009
105139-030A	ERB-1	Water	4/20/2009 3:00:00 PM	4/20/2009	5/1/2009
105139-030B	ERB-1	Water	4/20/2009 3:00:00 PM	4/20/2009	5/1/2009
105139-030C	ERB-1	Water	4/20/2009 3:00:00 PM	4/20/2009	5/1/2009
105139-030D	ERB-1	Water	4/20/2009 3:00:00 PM	4/20/2009	5/1/2009
105139-030E	ERB-1	Water	4/20/2009 3:00:00 PM	4/20/2009	5/1/2009
105139-030F	ERB-1	Water	4/20/2009 3:00:00 PM	4/20/2009	5/1/2009



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Lab Order: 105139
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Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
105139-030G	ERB-1	Water	4/20/2009 3:00:00 PM	4/20/2009	5/1/2009
105139-031A	TRIP Blank	Water	4/20/2009	4/20/2009	5/1/2009
105139-032A	1001-104-20-S	Soil	4/20/2009 12:10:00 PM	4/20/2009	5/1/2009
105139-032B	1001-104-20-S	Soil	4/20/2009 12:10:00 PM	4/20/2009	5/1/2009
105139-032C	1001-104-20-S	Soil	4/20/2009 12:10:00 PM	4/20/2009	5/1/2009
105139-032D	1001-104-20-S	Soil	4/20/2009 12:10:00 PM	4/20/2009	5/1/2009
105139-032E	1001-104-20-S	Soil	4/20/2009 12:10:00 PM	4/20/2009	5/1/2009
105139-032F	1001-104-20-S	Soil	4/20/2009 12:10:00 PM	4/20/2009	5/1/2009
105139-032G	1001-104-20-S	Soil	4/20/2009 12:10:00 PM	4/20/2009	5/1/2009



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Project: 207126015
Lab Order: 105139

CASE NARRATIVE

All volatile analyses were performed using 5035 preservation requirements. Any high level dilutions were performed on a preserved methanol sample unless otherwise noted.

Analytical Comments for EPA 6010B

1. Samples 105139-010ADUP, 105139-020ADUP and 105139-032ADUP, RPD for Sample Duplicate (DUP) is outside criteria; however, the Laboratory Control Sample (LCS) validated the analytical batch.

Analytical Comments for EPA 8015B(M)

1. Samples 105139-005AMSD, 105139-014AMS, MB-54952MS and MB-54952MSD, Matrix Spike (MS) and Matrix Spike Duplicate (MSD) are outside recovery criteria; however, the analytical batch was validated by the Laboratory Control Sample (LCS).

Analytical Comments for EPA 8260B

1. Sample 105139-007C, surrogate recovery biased high possibly due to matrix interferences; however the results were non-detect (ND) for analytes of interest and reanalysis of the sample was not necessary.
2. Sample 105139-001C, RPD for Sample Duplicate (DUP) is outside criteria; however, the Laboratory Control Sample (LCS) validated the analytical batch.

Analytical Comments for EPA 8270C

1. Samples 105139-002A, 105139-013A, 105139-020A, 105139-023A, 105139-024A and 105139-025A, dilution was necessary due to samples' dark extract.
2. Sample 105139-025A, surrogate recovery biased low possibly due to matrix interferences.



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CASE NARRATIVE

Analytical Comments for SM4500-H+B

1. Sample 105139-030A, was received and analyzed past holding time.



Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-001A

Client Sample ID: 1001-101-2-S
Collection Date: 4/20/2009 8:00:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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ICP METALS

EPA 3050B		EPA 6010B	
RunID: ICP8_090427F	QC Batch: 54941	PrepDate: 4/23/2009	Analyst: CL
Antimony	ND 0.28	2.0	mg/Kg 1 4/27/2009 03:52 PM
Arsenic	ND 0.27	1.0	mg/Kg 1 4/27/2009 03:52 PM
Barium	140 0.13	1.0	mg/Kg 1 4/27/2009 03:52 PM
Beryllium	ND 0.055	1.0	mg/Kg 1 4/27/2009 03:52 PM
Cadmium	ND 0.0064	1.0	mg/Kg 1 4/27/2009 03:52 PM
Chromium	21 0.088	1.0	mg/Kg 1 4/27/2009 03:52 PM
Cobalt	9.4 0.014	1.0	mg/Kg 1 4/27/2009 03:52 PM
Copper	24 0.26	2.0	mg/Kg 1 4/27/2009 03:52 PM
Lead	ND 0.11	1.0	mg/Kg 1 4/27/2009 03:52 PM
Molybdenum	ND 0.043	1.0	mg/Kg 1 4/27/2009 03:52 PM
Nickel	17 0.032	1.0	mg/Kg 1 4/27/2009 03:52 PM
Selenium	ND 0.43	1.0	mg/Kg 1 4/27/2009 03:52 PM
Silver	ND 0.017	1.0	mg/Kg 1 4/27/2009 03:52 PM
Thallium	ND 0.23	1.0	mg/Kg 1 4/27/2009 03:52 PM
Vanadium	51 0.019	1.0	mg/Kg 1 4/27/2009 03:52 PM
Zinc	49 0.19	1.0	mg/Kg 1 4/27/2009 03:52 PM

HEXAVALENT CHROMIUM

EPA 7196A	
RunID: WETCHEM3_090423B	QC Batch: 54986
PrepDate: 4/23/2009	Analyst: MFP
Chromium, Hexavalent	ND 0.074 0.10 mg/Kg 1 4/23/2009

DIESEL RANGE ORGANICS BY GC/FID LUFT

EPA 8015B(M)	
RunID: GC16_090423E	QC Batch: 54918
PrepDate: 4/22/2009	Analyst: CBR
DRO	ND 10 10 mg/Kg 1 4/23/2009 08:50 PM
Surr: p-Terphenyl	80.2 0 57-144 %REC 1 4/23/2009 08:50 PM

HYDROCARBON CHAIN IDENTIFICATION LUFT

EPA 8015B(M)	
RunID: GC16_090423E	QC Batch: 54918
PrepDate: 4/22/2009	Analyst: CBR
T/R Hydrocarbons: C13-C22	ND 10 10 mg/Kg 1 4/23/2009 08:50 PM
T/R Hydrocarbons: C23-C32	ND 10 10 mg/Kg 1 4/23/2009 08:50 PM
T/R Hydrocarbons:>C32	ND 10 10 mg/Kg 1 4/23/2009 08:50 PM
Surr: p-Terphenyl	80.2 0 57-144 %REC 1 4/23/2009 08:50 PM

Qualifiers: B Analyte detected in the associated Method Blank E Value above quantitation range
H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit
S Spike/Surrogate outside of limits due to matrix interference Results are wet unless otherwise specified
DO Surrogate Diluted Out



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Advanced Technology Laboratories**ANALYTICAL RESULTS**

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-001A

Client Sample ID: 1001-101-2-S
Collection Date: 4/20/2009 8:00:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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PCBS BY GC/ECD**EPA 3550B****EPA 8082**

RunID: GC5_090422A	QC Batch: 54915			PrepDate: 4/22/2009	Analyst: BB
Aroclor 1016	ND	5.0	16	µg/Kg	1 4/22/2009 04:03 PM
Aroclor 1221	ND	5.0	33	µg/Kg	1 4/22/2009 04:03 PM
Aroclor 1232	ND	5.0	16	µg/Kg	1 4/22/2009 04:03 PM
Aroclor 1242	ND	5.0	16	µg/Kg	1 4/22/2009 04:03 PM
Aroclor 1248	ND	5.0	16	µg/Kg	1 4/22/2009 04:03 PM
Aroclor 1254	ND	5.0	16	µg/Kg	1 4/22/2009 04:03 PM
Aroclor 1260	ND	5.0	16	µg/Kg	1 4/22/2009 04:03 PM
Aroclor 1262	ND	5.0	16	µg/Kg	1 4/22/2009 04:03 PM
Aroclor 1268	ND	5.0	16	µg/Kg	1 4/22/2009 04:03 PM
Surr: Decachlorobiphenyl	78.0	0	30-124	%REC	1 4/22/2009 04:03 PM
Surr: Tetrachloro-m-xylene	90.6	0	40-118	%REC	1 4/22/2009 04:03 PM

MERCURY BY COLD VAPOR TECHNIQUE**EPA 7471A**

RunID: AA5_090422C	QC Batch: 54900			PrepDate: 4/22/2009	Analyst: RQ
Mercury	ND	0.021	0.10	mg/Kg	1 4/22/2009 02:51 PM

SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS**EPA 3550B****EPA 8270C**

RunID: MS 13_090421A	QC Batch: 54881			PrepDate: 4/21/2009	Analyst: DMP
1,2,4-Trichlorobenzene	ND	82	330	µg/Kg	1 4/21/2009 06:45 PM
1,2-Dichlorobenzene	ND	85	330	µg/Kg	1 4/21/2009 06:45 PM
1,3-Dichlorobenzene	ND	74	330	µg/Kg	1 4/21/2009 06:45 PM
1,4-Dichlorobenzene	ND	78	330	µg/Kg	1 4/21/2009 06:45 PM
2,4,5-Trichlorophenol	ND	56	330	µg/Kg	1 4/21/2009 06:45 PM
2,4,6-Trichlorophenol	ND	78	330	µg/Kg	1 4/21/2009 06:45 PM
2,4-Dichlorophenol	ND	87	1600	µg/Kg	1 4/21/2009 06:45 PM
2,4-Dimethylphenol	ND	88	330	µg/Kg	1 4/21/2009 06:45 PM
2,4-Dinitrophenol	ND	45	1600	µg/Kg	1 4/21/2009 06:45 PM
2,4-Dinitrotoluene	ND	67	330	µg/Kg	1 4/21/2009 06:45 PM
2,6-Dinitrotoluene	ND	67	330	µg/Kg	1 4/21/2009 06:45 PM
2-Chloronaphthalene	ND	70	330	µg/Kg	1 4/21/2009 06:45 PM
2-Chlorophenol	ND	89	330	µg/Kg	1 4/21/2009 06:45 PM
2-Methylnaphthalene	ND	78	330	µg/Kg	1 4/21/2009 06:45 PM
2-Methylphenol	ND	96	330	µg/Kg	1 4/21/2009 06:45 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-001A

Client Sample ID: 1001-101-2-S
Collection Date: 4/20/2009 8:00:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3550B

EPA 8270C

RunID: MS 13_090421A	QC Batch: 54881	PrepDate: 4/21/2009	Analyst: DMP
2-Nitroaniline	ND	79	1600
2-Nitrophenol	ND	70	330
3,3'-Dichlorobenzidine	ND	78	660
3-Nitroaniline	ND	60	1600
4,6-Dinitro-2-methylphenol	ND	63	1600
4-Bromophenyl-phenylether	ND	73	330
4-Chloro-3-methylphenol	ND	75	660
4-Chloroaniline	ND	73	660
4-Chlorophenyl-phenylether	ND	70	330
4-Methylphenol	ND	79	330
4-Nitroaniline	ND	60	1600
4-Nitrophenol	ND	71	1600
Acenaphthene	ND	70	330
Acenaphthylene	ND	69	330
Anthracene	ND	76	330
Benzidine (M)	ND	71	1600
Benzo(a)anthracene	ND	69	330
Benzo(a)pyrene	ND	82	330
Benzo(b)fluoranthene	ND	70	330
Benzo(g,h,i)perylene	ND	71	330
Benzo(k)fluoranthene	ND	98	330
Benzoic acid	ND	64	1600
Benzyl alcohol	ND	86	660
Bis(2-chloroethoxy)methane	ND	79	330
Bis(2-chloroethyl)ether	ND	81	330
Bis(2-chloroisopropyl)ether	ND	91	330
Bis(2-ethylhexyl)phthalate	ND	72	330
Butylbenzylphthalate	ND	72	330
Chrysene	ND	79	330
Di-n-butylphthalate	ND	78	330
Di-n-octylphthalate	ND	71	330
Dibenz(a,h)anthracene	ND	83	330
Dibenzofuran	ND	68	330
Diethylphthalate	ND	74	330
Dimethylphthalate	ND	69	330

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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Print Date: 01-May-09

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Client Sample ID: 1001-101-2-S
Collection Date: 4/20/2009 8:00:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3550B

EPA 8270C

RunID: MS 13_090421A	QC Batch: 54881	PrepDate: 4/21/2009	Analyst: DMP
Fluoranthene	ND	73	330
Fluorene	ND	69	330
Hexachlorobenzene	ND	76	330
Hexachlorobutadiene	ND	77	660
Hexachlorocyclopentadiene	ND	80	660
Hexachloroethane	ND	81	330
Indeno(1,2,3-cd)pyrene	ND	69	330
Isophorone	ND	85	330
N-Nitrosodi-n-propylamine	ND	82	330
N-Nitrosodiphenylamine	ND	79	330
Naphthalene	ND	86	330
Nitrobenzene	ND	82	330
Pentachlorophenol	ND	55	1600
Phenanthrene	ND	76	330
Phenol	ND	95	330
Pyrene	ND	77	330
Surr: 1,2-Dichlorobenzene-d4	78.9	0	49-103
Surr: 2,4,6-Tribromophenol	90.1	0	47-129
Surr: 2-Chlorophenol-d4	87.0	0	54-109
Surr: 2-Fluorobiphenyl	91.9	0	59-108
Surr: 2-Fluorophenol	85.8	0	50-111
Surr: 4-Terphenyl-d14	119	0	58-135
Surr: Nitrobenzene-d5	86.1	0	54-115
Surr: Phenol-d5	89.8	0	58-112

PH

EPA 9045C

RunID: WETCHEM_090421B	QC Batch: R108340	PrepDate:	Analyst: DDL
pH	6.9	0.10	0.10

Qualifiers: B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interference
DO Surrogate Diluted Out
E Value above quantitation range
ND Not Detected at the Reporting Limit
Results are wet unless otherwise specified



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-001B

Client Sample ID: 1001-101-2-S
Collection Date: 4/20/2009 8:00:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS5_090421A	QC Batch: T09VS102	PrepDate: 4/21/2009	Analyst: HH
1,1,1,2-Tetrachloroethane	ND 1.0	5.3	µg/Kg 1 4/21/2009 12:34 PM
1,1,1-Trichloroethane	ND 1.4	5.3	µg/Kg 1 4/21/2009 12:34 PM
1,1,2,2-Tetrachloroethane	ND 3.3	5.3	µg/Kg 1 4/21/2009 12:34 PM
1,1,2-Trichloroethane	ND 1.3	5.3	µg/Kg 1 4/21/2009 12:34 PM
1,1-Dichloroethane	ND 0.65	5.3	µg/Kg 1 4/21/2009 12:34 PM
1,1-Dichloroethene	ND 0.48	5.3	µg/Kg 1 4/21/2009 12:34 PM
1,1-Dichloropropene	ND 2.2	5.3	µg/Kg 1 4/21/2009 12:34 PM
1,2,3-Trichlorobenzene	ND 4.0	5.3	µg/Kg 1 4/21/2009 12:34 PM
1,2,3-Trichloropropane	ND 2.4	5.3	µg/Kg 1 4/21/2009 12:34 PM
1,2,4-Trichlorobenzene	ND 2.5	5.3	µg/Kg 1 4/21/2009 12:34 PM
1,2,4-Trimethylbenzene	ND 1.1	5.3	µg/Kg 1 4/21/2009 12:34 PM
1,2-Dibromo-3-chloropropane	ND 3.3	11	µg/Kg 1 4/21/2009 12:34 PM
1,2-Dibromoethane	ND 1.0	5.3	µg/Kg 1 4/21/2009 12:34 PM
1,2-Dichlorobenzene	ND 2.2	5.3	µg/Kg 1 4/21/2009 12:34 PM
1,2-Dichloroethane	ND 2.0	5.3	µg/Kg 1 4/21/2009 12:34 PM
1,2-Dichloropropane	ND 1.6	5.3	µg/Kg 1 4/21/2009 12:34 PM
1,3,5-Trimethylbenzene	ND 0.83	5.3	µg/Kg 1 4/21/2009 12:34 PM
1,3-Dichlorobenzene	ND 1.8	5.3	µg/Kg 1 4/21/2009 12:34 PM
1,3-Dichloropropane	ND 0.34	5.3	µg/Kg 1 4/21/2009 12:34 PM
1,4-Dichlorobenzene	ND 1.9	5.3	µg/Kg 1 4/21/2009 12:34 PM
2,2-Dichloropropane	ND 0.51	5.3	µg/Kg 1 4/21/2009 12:34 PM
2-Chlorotoluene	ND 0.94	5.3	µg/Kg 1 4/21/2009 12:34 PM
4-Chlorotoluene	ND 1.2	5.3	µg/Kg 1 4/21/2009 12:34 PM
4-Isopropyltoluene	ND 1.2	5.3	µg/Kg 1 4/21/2009 12:34 PM
Benzene	ND 0.68	5.3	µg/Kg 1 4/21/2009 12:34 PM
Bromobenzene	ND 1.3	5.3	µg/Kg 1 4/21/2009 12:34 PM
Bromodichloromethane	ND 1.4	5.3	µg/Kg 1 4/21/2009 12:34 PM
Bromoform	ND 2.1	5.3	µg/Kg 1 4/21/2009 12:34 PM
Bromomethane	ND 0.72	5.3	µg/Kg 1 4/21/2009 12:34 PM
Carbon tetrachloride	ND 1.5	5.3	µg/Kg 1 4/21/2009 12:34 PM
Chlorobenzene	ND 0.69	5.3	µg/Kg 1 4/21/2009 12:34 PM
Chloroethane	ND 0.92	5.3	µg/Kg 1 4/21/2009 12:34 PM
Chloroform	ND 1.6	5.3	µg/Kg 1 4/21/2009 12:34 PM
Chloromethane	ND 0.40	5.3	µg/Kg 1 4/21/2009 12:34 PM
cis-1,2-Dichloroethene	ND 1.9	5.3	µg/Kg 1 4/21/2009 12:34 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-001B

Client Sample ID: 1001-101-2-S
Collection Date: 4/20/2009 8:00:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS5_090421A	QC Batch: T09VS102	PrepDate: 4/21/2009	Analyst: HH
cis-1,3-Dichloropropene	ND 0.79	5.3	µg/Kg 1 4/21/2009 12:34 PM
Dibromochloromethane	ND 0.76	5.3	µg/Kg 1 4/21/2009 12:34 PM
Dibromomethane	ND 1.3	5.3	µg/Kg 1 4/21/2009 12:34 PM
Dichlorodifluoromethane	ND 0.57	5.3	µg/Kg 1 4/21/2009 12:34 PM
Ethylbenzene	ND 0.34	5.3	µg/Kg 1 4/21/2009 12:34 PM
Hexachlorobutadiene	ND 2.4	5.3	µg/Kg 1 4/21/2009 12:34 PM
Isopropylbenzene	ND 0.60	5.3	µg/Kg 1 4/21/2009 12:34 PM
m,p-Xylene	ND 0.73	11	µg/Kg 1 4/21/2009 12:34 PM
Methylene chloride	ND 5.3	5.3	µg/Kg 1 4/21/2009 12:34 PM
n-Butylbenzene	ND 1.3	5.3	µg/Kg 1 4/21/2009 12:34 PM
n-Propylbenzene	ND 0.72	5.3	µg/Kg 1 4/21/2009 12:34 PM
Naphthalene	ND 2.7	5.3	µg/Kg 1 4/21/2009 12:34 PM
o-Xylene	ND 0.53	5.3	µg/Kg 1 4/21/2009 12:34 PM
sec-Butylbenzene	ND 1.1	5.3	µg/Kg 1 4/21/2009 12:34 PM
Styrene	ND 0.64	5.3	µg/Kg 1 4/21/2009 12:34 PM
tert-Butylbenzene	ND 1.1	5.3	µg/Kg 1 4/21/2009 12:34 PM
Tetrachloroethene	5.5 1.1	5.3	µg/Kg 1 4/21/2009 12:34 PM
Toluene	ND 0.59	5.3	µg/Kg 1 4/21/2009 12:34 PM
trans-1,2-Dichloroethene	ND 0.56	5.3	µg/Kg 1 4/21/2009 12:34 PM
Trichloroethene	ND 1.6	5.3	µg/Kg 1 4/21/2009 12:34 PM
Trichlorofluoromethane	ND 0.58	5.3	µg/Kg 1 4/21/2009 12:34 PM
Vinyl chloride	ND 0.44	5.3	µg/Kg 1 4/21/2009 12:34 PM
Surr: 1,2-Dichloroethane-d4	111 0	68-147	%REC 1 4/21/2009 12:34 PM
Surr: 4-Bromofluorobenzene	101 0	67-127	%REC 1 4/21/2009 12:34 PM
Surr: Dibromofluoromethane	107 0	72-141	%REC 1 4/21/2009 12:34 PM
Surr: Toluene-d8	112 0	75-120	%REC 1 4/21/2009 12:34 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-001E

Client Sample ID: 1001-101-2-S
Collection Date: 4/20/2009 8:00:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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GASOLINE RANGE ORGANICS BY GC/FID

EPA 8015B(M)

RunID: GC2_090421A	QC Batch: E09VS104	PrepDate: 4/20/2009	Analyst: KHN		
GRO	ND 0.17	1.1	mg/Kg	1	4/21/2009 03:44 PM
Surr: Bromofluorobenzene (FID)	103 0	59-145	%REC	1	4/21/2009 03:44 PM

HYDROCARBON CHAIN IDENTIFICATION

EPA 8015B

RunID: GC2_090421A	QC Batch: E09VS104	PrepDate: 4/20/2009	Analyst: KHN		
T/R Hydrocarbons: C4-C12	ND 0.22	1.1	mg/Kg	1	4/21/2009 03:44 PM
Surr: Bromofluorobenzene (FID)	103 0	59-145	%REC	1	4/21/2009 03:44 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-002A

Client Sample ID: 1001-101-5-S
Collection Date: 4/20/2009 8:10:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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ICP METALS

EPA 3050B

EPA 6010B

RunID:	ICP8_090427F	QC Batch:	54941	PrepDate:	4/23/2009	Analyst:	CL
Antimony	ND	0.28	2.0	mg/Kg	1	4/27/2009 03:55 PM	
Arsenic	ND	0.27	1.0	mg/Kg	1	4/27/2009 03:55 PM	
Barium	140	0.13	1.0	mg/Kg	1	4/27/2009 03:55 PM	
Beryllium	ND	0.055	1.0	mg/Kg	1	4/27/2009 03:55 PM	
Cadmium	ND	0.0064	1.0	mg/Kg	1	4/27/2009 03:55 PM	
Chromium	20	0.088	1.0	mg/Kg	1	4/27/2009 03:55 PM	
Cobalt	8.1	0.014	1.0	mg/Kg	1	4/27/2009 03:55 PM	
Copper	22	0.26	2.0	mg/Kg	1	4/27/2009 03:55 PM	
Lead	ND	0.11	1.0	mg/Kg	1	4/27/2009 03:55 PM	
Molybdenum	ND	0.043	1.0	mg/Kg	1	4/27/2009 03:55 PM	
Nickel	14	0.032	1.0	mg/Kg	1	4/27/2009 03:55 PM	
Selenium	ND	0.43	1.0	mg/Kg	1	4/27/2009 03:55 PM	
Silver	ND	0.017	1.0	mg/Kg	1	4/27/2009 03:55 PM	
Thallium	ND	0.23	1.0	mg/Kg	1	4/27/2009 03:55 PM	
Vanadium	49	0.019	1.0	mg/Kg	1	4/27/2009 03:55 PM	
Zinc	49	0.19	1.0	mg/Kg	1	4/27/2009 03:55 PM	

HEXAVALENT CHROMIUM

EPA 7196A

RunID:	WETCHEM3_090423B	QC Batch:	54986	PrepDate:	4/23/2009	Analyst:	MFP
Chromium, Hexavalent	ND	0.074	0.10	mg/Kg	1	4/23/2009	

DIESEL RANGE ORGANICS BY GC/FID LUFT

EPA 8015B(M)

RunID:	GC16_090423E	QC Batch:	54918	PrepDate:	4/22/2009	Analyst:	CBR
DRO	ND	10	10	mg/Kg	1	4/23/2009 10:27 PM	
Surr: p-Terphenyl	83.9	0	57-144	%REC	1	4/23/2009 10:27 PM	

HYDROCARBON CHAIN IDENTIFICATION LUFT

EPA 8015B(M)

RunID:	GC16_090423E	QC Batch:	54918	PrepDate:	4/22/2009	Analyst:	CBR
T/R Hydrocarbons: C13-C22	ND	10	10	mg/Kg	1	4/23/2009 10:27 PM	
T/R Hydrocarbons: C23-C32	ND	10	10	mg/Kg	1	4/23/2009 10:27 PM	
T/R Hydrocarbons:>C32	ND	10	10	mg/Kg	1	4/23/2009 10:27 PM	
Surr: p-Terphenyl	83.9	0	57-144	%REC	1	4/23/2009 10:27 PM	

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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Advanced Technology Laboratories**ANALYTICAL RESULTS**

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-002A

Client Sample ID: 1001-101-5-S
Collection Date: 4/20/2009 8:10:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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PCBS BY GC/ECD**EPA 3550B****EPA 8082**

RunID: GC5_090422A	QC Batch: 54915			PrepDate: 4/22/2009	Analyst: BB
Aroclor 1016	ND	5.0	16	µg/Kg	1 4/22/2009 04:33 PM
Aroclor 1221	ND	5.0	33	µg/Kg	1 4/22/2009 04:33 PM
Aroclor 1232	ND	5.0	16	µg/Kg	1 4/22/2009 04:33 PM
Aroclor 1242	ND	5.0	16	µg/Kg	1 4/22/2009 04:33 PM
Aroclor 1248	ND	5.0	16	µg/Kg	1 4/22/2009 04:33 PM
Aroclor 1254	ND	5.0	16	µg/Kg	1 4/22/2009 04:33 PM
Aroclor 1260	ND	5.0	16	µg/Kg	1 4/22/2009 04:33 PM
Aroclor 1262	ND	5.0	16	µg/Kg	1 4/22/2009 04:33 PM
Aroclor 1268	ND	5.0	16	µg/Kg	1 4/22/2009 04:33 PM
Surr: Decachlorobiphenyl	83.9	0	30-124	%REC	1 4/22/2009 04:33 PM
Surr: Tetrachloro-m-xylene	104	0	40-118	%REC	1 4/22/2009 04:33 PM

MERCURY BY COLD VAPOR TECHNIQUE**EPA 7471A**

RunID: AA5_090422C	QC Batch: 54900			PrepDate: 4/22/2009	Analyst: RQ
Mercury	ND	0.021	0.10	mg/Kg	1 4/22/2009 02:53 PM

SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS**EPA 3550B****EPA 8270C**

RunID: MS 13_090421A	QC Batch: 54881			PrepDate: 4/21/2009	Analyst: DMP
1,2,4-Trichlorobenzene	ND	210	820	µg/Kg	2.5 4/21/2009 11:18 PM
1,2-Dichlorobenzene	ND	210	820	µg/Kg	2.5 4/21/2009 11:18 PM
1,3-Dichlorobenzene	ND	190	820	µg/Kg	2.5 4/21/2009 11:18 PM
1,4-Dichlorobenzene	ND	200	820	µg/Kg	2.5 4/21/2009 11:18 PM
2,4,5-Trichlorophenol	ND	140	820	µg/Kg	2.5 4/21/2009 11:18 PM
2,4,6-Trichlorophenol	ND	190	820	µg/Kg	2.5 4/21/2009 11:18 PM
2,4-Dichlorophenol	ND	220	4100	µg/Kg	2.5 4/21/2009 11:18 PM
2,4-Dimethylphenol	ND	220	820	µg/Kg	2.5 4/21/2009 11:18 PM
2,4-Dinitrophenol	ND	110	4100	µg/Kg	2.5 4/21/2009 11:18 PM
2,4-Dinitrotoluene	ND	170	820	µg/Kg	2.5 4/21/2009 11:18 PM
2,6-Dinitrotoluene	ND	170	820	µg/Kg	2.5 4/21/2009 11:18 PM
2-Chloronaphthalene	ND	170	820	µg/Kg	2.5 4/21/2009 11:18 PM
2-Chlorophenol	ND	220	820	µg/Kg	2.5 4/21/2009 11:18 PM
2-Methylnaphthalene	ND	200	820	µg/Kg	2.5 4/21/2009 11:18 PM
2-Methylphenol	ND	240	820	µg/Kg	2.5 4/21/2009 11:18 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-002A

Client Sample ID: 1001-101-5-S
Collection Date: 4/20/2009 8:10:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3550B

EPA 8270C

RunID: MS 13_090421A	QC Batch: 54881	PrepDate: 4/21/2009	Analyst: DMP
2-Nitroaniline	ND	200	4100
2-Nitrophenol	ND	170	820
3,3'-Dichlorobenzidine	ND	200	1600
3-Nitroaniline	ND	150	4100
4,6-Dinitro-2-methylphenol	ND	160	4100
4-Bromophenyl-phenylether	ND	180	820
4-Chloro-3-methylphenol	ND	190	1600
4-Chloroaniline	ND	180	1600
4-Chlorophenyl-phenylether	ND	180	820
4-Methylphenol	ND	200	820
4-Nitroaniline	ND	150	4100
4-Nitrophenol	ND	180	4100
Acenaphthene	ND	180	820
Acenaphthylene	ND	170	820
Anthracene	ND	190	820
Benzidine (M)	ND	180	4100
Benzo(a)anthracene	ND	170	820
Benzo(a)pyrene	ND	200	820
Benzo(b)fluoranthene	ND	180	820
Benzo(g,h,i)perylene	ND	180	820
Benzo(k)fluoranthene	ND	240	820
Benzoic acid	ND	160	4100
Benzyl alcohol	ND	220	1600
Bis(2-chloroethoxy)methane	ND	200	820
Bis(2-chloroethyl)ether	ND	200	820
Bis(2-chloroisopropyl)ether	ND	230	820
Bis(2-ethylhexyl)phthalate	ND	180	820
Butylbenzylphthalate	ND	180	820
Chrysene	ND	200	820
Di-n-butylphthalate	ND	190	820
Di-n-octylphthalate	ND	180	820
Dibenz(a,h)anthracene	ND	210	820
Dibenzofuran	ND	170	820
Diethylphthalate	ND	180	820
Dimethylphthalate	ND	170	820

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-002A

Client Sample ID: 1001-101-5-S
Collection Date: 4/20/2009 8:10:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3550B

EPA 8270C

RunID: MS 13_090421A	QC Batch: 54881	PrepDate: 4/21/2009	Analyst: DMP
Fluoranthene	ND	180	820
Fluorene	ND	170	820
Hexachlorobenzene	ND	190	820
Hexachlorobutadiene	ND	190	1600
Hexachlorocyclopentadiene	ND	200	1600
Hexachloroethane	ND	200	820
Indeno(1,2,3-cd)pyrene	ND	170	820
Isophorone	ND	210	820
N-Nitrosodi-n-propylamine	ND	200	820
N-Nitrosodiphenylamine	ND	200	820
Naphthalene	ND	210	820
Nitrobenzene	ND	200	820
Pentachlorophenol	ND	140	4100
Phenanthrene	ND	190	820
Phenol	ND	240	820
Pyrene	ND	190	820
Surr: 1,2-Dichlorobenzene-d4	83.0	0	49-103
Surr: 2,4,6-Tribromophenol	80.3	0	47-129
Surr: 2-Chlorophenol-d4	90.9	0	54-109
Surr: 2-Fluorobiphenyl	94.1	0	59-108
Surr: 2-Fluorophenol	90.9	0	50-111
Surr: 4-Terphenyl-d14	112	0	58-135
Surr: Nitrobenzene-d5	91.0	0	54-115
Surr: Phenol-d5	95.2	0	58-112

PH

EPA 9045C

RunID: WETCHEM_090421B	QC Batch: R108340	PrepDate:	Analyst: DDL
pH	8.0	0.10	0.10

Qualifiers: B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interference
DO Surrogate Diluted Out
E Value above quantitation range
ND Not Detected at the Reporting Limit
Results are wet unless otherwise specified



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-002B

Client Sample ID: 1001-101-5-S
Collection Date: 4/20/2009 8:10:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS5_090421A	QC Batch: T09VS102	PrepDate: 4/21/2009	Analyst: HH
1,1,1,2-Tetrachloroethane	ND 0.97	5.1	µg/Kg 1 4/21/2009 12:54 PM
1,1,1-Trichloroethane	ND 1.4	5.1	µg/Kg 1 4/21/2009 12:54 PM
1,1,2,2-Tetrachloroethane	ND 3.1	5.1	µg/Kg 1 4/21/2009 12:54 PM
1,1,2-Trichloroethane	ND 1.3	5.1	µg/Kg 1 4/21/2009 12:54 PM
1,1-Dichloroethane	ND 0.62	5.1	µg/Kg 1 4/21/2009 12:54 PM
1,1-Dichloroethene	ND 0.45	5.1	µg/Kg 1 4/21/2009 12:54 PM
1,1-Dichloropropene	ND 2.1	5.1	µg/Kg 1 4/21/2009 12:54 PM
1,2,3-Trichlorobenzene	ND 3.8	5.1	µg/Kg 1 4/21/2009 12:54 PM
1,2,3-Trichloropropane	ND 2.3	5.1	µg/Kg 1 4/21/2009 12:54 PM
1,2,4-Trichlorobenzene	ND 2.4	5.1	µg/Kg 1 4/21/2009 12:54 PM
1,2,4-Trimethylbenzene	ND 1.1	5.1	µg/Kg 1 4/21/2009 12:54 PM
1,2-Dibromo-3-chloropropane	ND 3.2	10	µg/Kg 1 4/21/2009 12:54 PM
1,2-Dibromoethane	ND 0.98	5.1	µg/Kg 1 4/21/2009 12:54 PM
1,2-Dichlorobenzene	ND 2.1	5.1	µg/Kg 1 4/21/2009 12:54 PM
1,2-Dichloroethane	ND 1.9	5.1	µg/Kg 1 4/21/2009 12:54 PM
1,2-Dichloropropane	ND 1.6	5.1	µg/Kg 1 4/21/2009 12:54 PM
1,3,5-Trimethylbenzene	ND 0.79	5.1	µg/Kg 1 4/21/2009 12:54 PM
1,3-Dichlorobenzene	ND 1.7	5.1	µg/Kg 1 4/21/2009 12:54 PM
1,3-Dichloropropane	ND 0.32	5.1	µg/Kg 1 4/21/2009 12:54 PM
1,4-Dichlorobenzene	ND 1.8	5.1	µg/Kg 1 4/21/2009 12:54 PM
2,2-Dichloropropane	ND 0.48	5.1	µg/Kg 1 4/21/2009 12:54 PM
2-Chlorotoluene	ND 0.90	5.1	µg/Kg 1 4/21/2009 12:54 PM
4-Chlorotoluene	ND 1.1	5.1	µg/Kg 1 4/21/2009 12:54 PM
4-Isopropyltoluene	ND 1.1	5.1	µg/Kg 1 4/21/2009 12:54 PM
Benzene	ND 0.65	5.1	µg/Kg 1 4/21/2009 12:54 PM
Bromobenzene	ND 1.3	5.1	µg/Kg 1 4/21/2009 12:54 PM
Bromodichloromethane	ND 1.3	5.1	µg/Kg 1 4/21/2009 12:54 PM
Bromoform	ND 2.0	5.1	µg/Kg 1 4/21/2009 12:54 PM
Bromomethane	ND 0.69	5.1	µg/Kg 1 4/21/2009 12:54 PM
Carbon tetrachloride	ND 1.4	5.1	µg/Kg 1 4/21/2009 12:54 PM
Chlorobenzene	ND 0.66	5.1	µg/Kg 1 4/21/2009 12:54 PM
Chloroethane	ND 0.88	5.1	µg/Kg 1 4/21/2009 12:54 PM
Chloroform	ND 1.5	5.1	µg/Kg 1 4/21/2009 12:54 PM
Chloromethane	ND 0.38	5.1	µg/Kg 1 4/21/2009 12:54 PM
cis-1,2-Dichloroethene	ND 1.8	5.1	µg/Kg 1 4/21/2009 12:54 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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Advanced Technology Laboratories**ANALYTICAL RESULTS**

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-002B

Client Sample ID: 1001-101-5-S
Collection Date: 4/20/2009 8:10:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS**EPA 8260B**

RunID: MS5_090421A	QC Batch: T09VS102	PrepDate: 4/21/2009	Analyst: HH
cis-1,3-Dichloropropene	ND 0.76	5.1	µg/Kg 1 4/21/2009 12:54 PM
Dibromochloromethane	ND 0.73	5.1	µg/Kg 1 4/21/2009 12:54 PM
Dibromomethane	ND 1.2	5.1	µg/Kg 1 4/21/2009 12:54 PM
Dichlorodifluoromethane	ND 0.55	5.1	µg/Kg 1 4/21/2009 12:54 PM
Ethylbenzene	ND 0.32	5.1	µg/Kg 1 4/21/2009 12:54 PM
Hexachlorobutadiene	ND 2.3	5.1	µg/Kg 1 4/21/2009 12:54 PM
Isopropylbenzene	ND 0.58	5.1	µg/Kg 1 4/21/2009 12:54 PM
m,p-Xylene	ND 0.70	10	µg/Kg 1 4/21/2009 12:54 PM
Methylene chloride	ND 5.1	5.1	µg/Kg 1 4/21/2009 12:54 PM
n-Butylbenzene	ND 1.2	5.1	µg/Kg 1 4/21/2009 12:54 PM
n-Propylbenzene	ND 0.69	5.1	µg/Kg 1 4/21/2009 12:54 PM
Naphthalene	ND 2.5	5.1	µg/Kg 1 4/21/2009 12:54 PM
o-Xylene	ND 0.51	5.1	µg/Kg 1 4/21/2009 12:54 PM
sec-Butylbenzene	ND 1.1	5.1	µg/Kg 1 4/21/2009 12:54 PM
Styrene	ND 0.61	5.1	µg/Kg 1 4/21/2009 12:54 PM
tert-Butylbenzene	ND 1.1	5.1	µg/Kg 1 4/21/2009 12:54 PM
Tetrachloroethene	22 1.1	5.1	µg/Kg 1 4/21/2009 12:54 PM
Toluene	ND 0.57	5.1	µg/Kg 1 4/21/2009 12:54 PM
trans-1,2-Dichloroethene	ND 0.54	5.1	µg/Kg 1 4/21/2009 12:54 PM
Trichloroethene	ND 1.5	5.1	µg/Kg 1 4/21/2009 12:54 PM
Trichlorofluoromethane	ND 0.56	5.1	µg/Kg 1 4/21/2009 12:54 PM
Vinyl chloride	ND 0.42	5.1	µg/Kg 1 4/21/2009 12:54 PM
Surr: 1,2-Dichloroethane-d4	110 0	68-147	%REC 1 4/21/2009 12:54 PM
Surr: 4-Bromofluorobenzene	94.1 0	67-127	%REC 1 4/21/2009 12:54 PM
Surr: Dibromofluoromethane	109 0	72-141	%REC 1 4/21/2009 12:54 PM
Surr: Toluene-d8	115 0	75-120	%REC 1 4/21/2009 12:54 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-002E

Client Sample ID: 1001-101-5-S
Collection Date: 4/20/2009 8:10:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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GASOLINE RANGE ORGANICS BY GC/FID

EPA 8015B(M)

RunID: GC2_090421A	QC Batch: E09VS104	PrepDate: 4/20/2009	Analyst: KHN			
GRO	ND	0.17	1.1	mg/Kg	1	4/21/2009 04:15 PM
Surr: Bromofluorobenzene (FID)	86.1	0	59-145	%REC	1	4/21/2009 04:15 PM

HYDROCARBON CHAIN IDENTIFICATION

EPA 8015B

RunID: GC2_090421A	QC Batch: E09VS104	PrepDate: 4/20/2009	Analyst: KHN			
T/R Hydrocarbons: C4-C12	ND	0.22	1.1	mg/Kg	1	4/21/2009 04:15 PM
Surr: Bromofluorobenzene (FID)	86.1	0	59-145	%REC	1	4/21/2009 04:15 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-003A

Client Sample ID: 1001-101-10-S
Collection Date: 4/20/2009 8:20:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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ICP METALS

EPA 3050B

EPA 6010B

RunID:	ICP8_090427F	QC Batch:	54941	PrepDate:	4/23/2009	Analyst:	CL
Antimony	ND	0.28	2.0	mg/Kg	1	4/27/2009 03:57 PM	
Arsenic	ND	0.27	1.0	mg/Kg	1	4/27/2009 03:57 PM	
Barium	97	0.13	1.0	mg/Kg	1	4/27/2009 03:57 PM	
Beryllium	ND	0.055	1.0	mg/Kg	1	4/27/2009 03:57 PM	
Cadmium	ND	0.0064	1.0	mg/Kg	1	4/27/2009 03:57 PM	
Chromium	14	0.088	1.0	mg/Kg	1	4/27/2009 03:57 PM	
Cobalt	5.8	0.014	1.0	mg/Kg	1	4/27/2009 03:57 PM	
Copper	13	0.26	2.0	mg/Kg	1	4/27/2009 03:57 PM	
Lead	ND	0.11	1.0	mg/Kg	1	4/27/2009 03:57 PM	
Molybdenum	ND	0.043	1.0	mg/Kg	1	4/27/2009 03:57 PM	
Nickel	9.7	0.032	1.0	mg/Kg	1	4/27/2009 03:57 PM	
Selenium	ND	0.43	1.0	mg/Kg	1	4/27/2009 03:57 PM	
Silver	ND	0.017	1.0	mg/Kg	1	4/27/2009 03:57 PM	
Thallium	ND	0.23	1.0	mg/Kg	1	4/27/2009 03:57 PM	
Vanadium	38	0.019	1.0	mg/Kg	1	4/27/2009 03:57 PM	
Zinc	35	0.19	1.0	mg/Kg	1	4/27/2009 03:57 PM	

HEXAVALENT CHROMIUM

EPA 7196A

RunID:	WETCHEM3_090423B	QC Batch:	54986	PrepDate:	4/23/2009	Analyst:	MFP
Chromium, Hexavalent	ND	0.074	0.10	mg/Kg	1	4/23/2009	

DIESEL RANGE ORGANICS BY GC/FID LUFT

EPA 8015B(M)

RunID:	GC16_090423E	QC Batch:	54918	PrepDate:	4/22/2009	Analyst:	CBR
DRO	11	10	10	mg/Kg	1	4/23/2009 08:59 PM	
Surr: p-Terphenyl	88.3	0	57-144	%REC	1	4/23/2009 08:59 PM	

HYDROCARBON CHAIN IDENTIFICATION LUFT

EPA 8015B(M)

RunID:	GC16_090423E	QC Batch:	54918	PrepDate:	4/22/2009	Analyst:	CBR
T/R Hydrocarbons: C13-C22	ND	10	10	mg/Kg	1	4/23/2009 08:59 PM	
T/R Hydrocarbons: C23-C32	ND	10	10	mg/Kg	1	4/23/2009 08:59 PM	
T/R Hydrocarbons:>C32	ND	10	10	mg/Kg	1	4/23/2009 08:59 PM	
Surr: p-Terphenyl	88.3	0	57-144	%REC	1	4/23/2009 08:59 PM	

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-003A

Client Sample ID: 1001-101-10-S
Collection Date: 4/20/2009 8:20:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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PCBS BY GC/ECD

EPA 3550B		EPA 8082					
RunID: GC5_090422A	QC Batch: 54915			PrepDate:	4/22/2009	Analyst: BB	
Aroclor 1016	ND	5.0	16	µg/Kg	1	4/22/2009 05:02 PM	
Aroclor 1221	ND	5.0	33	µg/Kg	1	4/22/2009 05:02 PM	
Aroclor 1232	ND	5.0	16	µg/Kg	1	4/22/2009 05:02 PM	
Aroclor 1242	ND	5.0	16	µg/Kg	1	4/22/2009 05:02 PM	
Aroclor 1248	ND	5.0	16	µg/Kg	1	4/22/2009 05:02 PM	
Aroclor 1254	ND	5.0	16	µg/Kg	1	4/22/2009 05:02 PM	
Aroclor 1260	ND	5.0	16	µg/Kg	1	4/22/2009 05:02 PM	
Aroclor 1262	ND	5.0	16	µg/Kg	1	4/22/2009 05:02 PM	
Aroclor 1268	ND	5.0	16	µg/Kg	1	4/22/2009 05:02 PM	
Surr: Decachlorobiphenyl	74.9	0	30-124	%REC	1	4/22/2009 05:02 PM	
Surr: Tetrachloro-m-xylene	90.6	0	40-118	%REC	1	4/22/2009 05:02 PM	

MERCURY BY COLD VAPOR TECHNIQUE

EPA 7471A							
RunID: AA5_090422C	QC Batch: 54900			PrepDate:	4/22/2009	Analyst: RQ	
Mercury	ND	0.021	0.10	mg/Kg	1	4/22/2009 02:55 PM	

SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3550B		EPA 8270C					
RunID: MS 13_090421A	QC Batch: 54881			PrepDate:	4/21/2009	Analyst: DMP	
1,2,4-Trichlorobenzene	ND	82	330	µg/Kg	1	4/21/2009 07:12 PM	
1,2-Dichlorobenzene	ND	85	330	µg/Kg	1	4/21/2009 07:12 PM	
1,3-Dichlorobenzene	ND	74	330	µg/Kg	1	4/21/2009 07:12 PM	
1,4-Dichlorobenzene	ND	78	330	µg/Kg	1	4/21/2009 07:12 PM	
2,4,5-Trichlorophenol	ND	56	330	µg/Kg	1	4/21/2009 07:12 PM	
2,4,6-Trichlorophenol	ND	78	330	µg/Kg	1	4/21/2009 07:12 PM	
2,4-Dichlorophenol	ND	87	1600	µg/Kg	1	4/21/2009 07:12 PM	
2,4-Dimethylphenol	ND	88	330	µg/Kg	1	4/21/2009 07:12 PM	
2,4-Dinitrophenol	ND	45	1600	µg/Kg	1	4/21/2009 07:12 PM	
2,4-Dinitrotoluene	ND	67	330	µg/Kg	1	4/21/2009 07:12 PM	
2,6-Dinitrotoluene	ND	67	330	µg/Kg	1	4/21/2009 07:12 PM	
2-Chloronaphthalene	ND	70	330	µg/Kg	1	4/21/2009 07:12 PM	
2-Chlorophenol	ND	89	330	µg/Kg	1	4/21/2009 07:12 PM	
2-Methylnaphthalene	ND	78	330	µg/Kg	1	4/21/2009 07:12 PM	
2-Methylphenol	ND	96	330	µg/Kg	1	4/21/2009 07:12 PM	

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-003A

Client Sample ID: 1001-101-10-S
Collection Date: 4/20/2009 8:20:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3550B

EPA 8270C

RunID: MS 13_090421A	QC Batch: 54881	PrepDate: 4/21/2009	Analyst: DMP
2-Nitroaniline	ND	79	1600
2-Nitrophenol	ND	70	330
3,3'-Dichlorobenzidine	ND	78	660
3-Nitroaniline	ND	60	1600
4,6-Dinitro-2-methylphenol	ND	63	1600
4-Bromophenyl-phenylether	ND	73	330
4-Chloro-3-methylphenol	ND	75	660
4-Chloroaniline	ND	73	660
4-Chlorophenyl-phenylether	ND	70	330
4-Methylphenol	ND	79	330
4-Nitroaniline	ND	60	1600
4-Nitrophenol	ND	71	1600
Acenaphthene	ND	70	330
Acenaphthylene	ND	69	330
Anthracene	ND	76	330
Benzidine (M)	ND	71	1600
Benzo(a)anthracene	ND	69	330
Benzo(a)pyrene	ND	82	330
Benzo(b)fluoranthene	ND	70	330
Benzo(g,h,i)perylene	ND	71	330
Benzo(k)fluoranthene	ND	98	330
Benzoic acid	ND	64	1600
Benzyl alcohol	ND	86	660
Bis(2-chloroethoxy)methane	ND	79	330
Bis(2-chloroethyl)ether	ND	81	330
Bis(2-chloroisopropyl)ether	ND	91	330
Bis(2-ethylhexyl)phthalate	ND	72	330
Butylbenzylphthalate	ND	72	330
Chrysene	ND	79	330
Di-n-butylphthalate	ND	78	330
Di-n-octylphthalate	ND	71	330
Dibenz(a,h)anthracene	ND	83	330
Dibenzofuran	ND	68	330
Diethylphthalate	ND	74	330
Dimethylphthalate	ND	69	330

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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Print Date: 01-May-09

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Lab Order: 105139
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Collection Date: 4/20/2009 8:20:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3550B

EPA 8270C

RunID: MS 13_090421A	QC Batch: 54881	PrepDate: 4/21/2009	Analyst: DMP
Fluoranthene	ND	73	330
Fluorene	ND	69	330
Hexachlorobenzene	ND	76	330
Hexachlorobutadiene	ND	77	660
Hexachlorocyclopentadiene	ND	80	660
Hexachloroethane	ND	81	330
Indeno(1,2,3-cd)pyrene	ND	69	330
Isophorone	ND	85	330
N-Nitrosodi-n-propylamine	ND	82	330
N-Nitrosodiphenylamine	ND	79	330
Naphthalene	ND	86	330
Nitrobenzene	ND	82	330
Pentachlorophenol	ND	55	1600
Phenanthrene	ND	76	330
Phenol	ND	95	330
Pyrene	ND	77	330
Surr: 1,2-Dichlorobenzene-d4	81.4	0	49-103
Surr: 2,4,6-Tribromophenol	89.3	0	47-129
Surr: 2-Chlorophenol-d4	90.4	0	54-109
Surr: 2-Fluorobiphenyl	93.2	0	59-108
Surr: 2-Fluorophenol	89.3	0	50-111
Surr: 4-Terphenyl-d14	121	0	58-135
Surr: Nitrobenzene-d5	86.3	0	54-115
Surr: Phenol-d5	94.4	0	58-112

PH

EPA 9045C

RunID: WETCHEM_090421B	QC Batch: R108340	PrepDate:	Analyst: DDL
pH	7.8	0.10	0.10

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-003B

Client Sample ID: 1001-101-10-S
Collection Date: 4/20/2009 8:20:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS5_090421A	QC Batch: T09VS102	PrepDate: 4/21/2009	Analyst: HH
1,1,1,2-Tetrachloroethane	ND 0.88	4.6	µg/Kg 1 4/21/2009 01:14 PM
1,1,1-Trichloroethane	ND 1.2	4.6	µg/Kg 1 4/21/2009 01:14 PM
1,1,2,2-Tetrachloroethane	ND 2.8	4.6	µg/Kg 1 4/21/2009 01:14 PM
1,1,2-Trichloroethane	ND 1.1	4.6	µg/Kg 1 4/21/2009 01:14 PM
1,1-Dichloroethane	ND 0.56	4.6	µg/Kg 1 4/21/2009 01:14 PM
1,1-Dichloroethene	ND 0.41	4.6	µg/Kg 1 4/21/2009 01:14 PM
1,1-Dichloropropene	ND 1.9	4.6	µg/Kg 1 4/21/2009 01:14 PM
1,2,3-Trichlorobenzene	ND 3.4	4.6	µg/Kg 1 4/21/2009 01:14 PM
1,2,3-Trichloropropane	ND 2.1	4.6	µg/Kg 1 4/21/2009 01:14 PM
1,2,4-Trichlorobenzene	ND 2.1	4.6	µg/Kg 1 4/21/2009 01:14 PM
1,2,4-Trimethylbenzene	ND 0.95	4.6	µg/Kg 1 4/21/2009 01:14 PM
1,2-Dibromo-3-chloropropane	ND 2.9	9.1	µg/Kg 1 4/21/2009 01:14 PM
1,2-Dibromoethane	ND 0.89	4.6	µg/Kg 1 4/21/2009 01:14 PM
1,2-Dichlorobenzene	ND 1.9	4.6	µg/Kg 1 4/21/2009 01:14 PM
1,2-Dichloroethane	ND 1.7	4.6	µg/Kg 1 4/21/2009 01:14 PM
1,2-Dichloropropane	ND 1.4	4.6	µg/Kg 1 4/21/2009 01:14 PM
1,3,5-Trimethylbenzene	ND 0.71	4.6	µg/Kg 1 4/21/2009 01:14 PM
1,3-Dichlorobenzene	ND 1.5	4.6	µg/Kg 1 4/21/2009 01:14 PM
1,3-Dichloropropane	ND 0.29	4.6	µg/Kg 1 4/21/2009 01:14 PM
1,4-Dichlorobenzene	ND 1.6	4.6	µg/Kg 1 4/21/2009 01:14 PM
2,2-Dichloropropane	ND 0.44	4.6	µg/Kg 1 4/21/2009 01:14 PM
2-Chlorotoluene	ND 0.81	4.6	µg/Kg 1 4/21/2009 01:14 PM
4-Chlorotoluene	ND 1.0	4.6	µg/Kg 1 4/21/2009 01:14 PM
4-Isopropyltoluene	ND 1.0	4.6	µg/Kg 1 4/21/2009 01:14 PM
Benzene	ND 0.58	4.6	µg/Kg 1 4/21/2009 01:14 PM
Bromobenzene	ND 1.2	4.6	µg/Kg 1 4/21/2009 01:14 PM
Bromodichloromethane	ND 1.2	4.6	µg/Kg 1 4/21/2009 01:14 PM
Bromoform	ND 1.8	4.6	µg/Kg 1 4/21/2009 01:14 PM
Bromomethane	ND 0.62	4.6	µg/Kg 1 4/21/2009 01:14 PM
Carbon tetrachloride	ND 1.3	4.6	µg/Kg 1 4/21/2009 01:14 PM
Chlorobenzene	ND 0.59	4.6	µg/Kg 1 4/21/2009 01:14 PM
Chloroethane	ND 0.79	4.6	µg/Kg 1 4/21/2009 01:14 PM
Chloroform	ND 1.4	4.6	µg/Kg 1 4/21/2009 01:14 PM
Chloromethane	ND 0.35	4.6	µg/Kg 1 4/21/2009 01:14 PM
cis-1,2-Dichloroethene	ND 1.6	4.6	µg/Kg 1 4/21/2009 01:14 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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Advanced Technology Laboratories**ANALYTICAL RESULTS**

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-003B

Client Sample ID: 1001-101-10-S
Collection Date: 4/20/2009 8:20:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS**EPA 8260B**

RunID: MS5_090421A	QC Batch: T09VS102	PrepDate: 4/21/2009	Analyst: HH
cis-1,3-Dichloropropene	ND 0.68	4.6	µg/Kg 1 4/21/2009 01:14 PM
Dibromochloromethane	ND 0.66	4.6	µg/Kg 1 4/21/2009 01:14 PM
Dibromomethane	ND 1.1	4.6	µg/Kg 1 4/21/2009 01:14 PM
Dichlorodifluoromethane	ND 0.49	4.6	µg/Kg 1 4/21/2009 01:14 PM
Ethylbenzene	ND 0.29	4.6	µg/Kg 1 4/21/2009 01:14 PM
Hexachlorobutadiene	ND 2.0	4.6	µg/Kg 1 4/21/2009 01:14 PM
Isopropylbenzene	ND 0.52	4.6	µg/Kg 1 4/21/2009 01:14 PM
m,p-Xylene	ND 0.63	9.1	µg/Kg 1 4/21/2009 01:14 PM
Methylene chloride	ND 4.6	4.6	µg/Kg 1 4/21/2009 01:14 PM
n-Butylbenzene	ND 1.1	4.6	µg/Kg 1 4/21/2009 01:14 PM
n-Propylbenzene	ND 0.62	4.6	µg/Kg 1 4/21/2009 01:14 PM
Naphthalene	ND 2.3	4.6	µg/Kg 1 4/21/2009 01:14 PM
o-Xylene	ND 0.46	4.6	µg/Kg 1 4/21/2009 01:14 PM
sec-Butylbenzene	ND 0.95	4.6	µg/Kg 1 4/21/2009 01:14 PM
Styrene	ND 0.55	4.6	µg/Kg 1 4/21/2009 01:14 PM
tert-Butylbenzene	ND 0.95	4.6	µg/Kg 1 4/21/2009 01:14 PM
Tetrachloroethene	ND 0.96	4.6	µg/Kg 1 4/21/2009 01:14 PM
Toluene	ND 0.51	4.6	µg/Kg 1 4/21/2009 01:14 PM
trans-1,2-Dichloroethene	ND 0.48	4.6	µg/Kg 1 4/21/2009 01:14 PM
Trichloroethene	ND 1.4	4.6	µg/Kg 1 4/21/2009 01:14 PM
Trichlorofluoromethane	ND 0.50	4.6	µg/Kg 1 4/21/2009 01:14 PM
Vinyl chloride	ND 0.38	4.6	µg/Kg 1 4/21/2009 01:14 PM
Surr: 1,2-Dichloroethane-d4	112 0	68-147	%REC 1 4/21/2009 01:14 PM
Surr: 4-Bromofluorobenzene	102 0	67-127	%REC 1 4/21/2009 01:14 PM
Surr: Dibromofluoromethane	110 0	72-141	%REC 1 4/21/2009 01:14 PM
Surr: Toluene-d8	115 0	75-120	%REC 1 4/21/2009 01:14 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-003E

Client Sample ID: 1001-101-10-S
Collection Date: 4/20/2009 8:20:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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GASOLINE RANGE ORGANICS BY GC/FID

EPA 8015B(M)

RunID: GC2_090421A	QC Batch: E09VS104	PrepDate: 4/20/2009	Analyst: KHN			
GRO	ND	0.16	1.1	mg/Kg	1	4/21/2009 04:31 PM
Surr: Bromofluorobenzene (FID)	114	0	59-145	%REC	1	4/21/2009 04:31 PM

HYDROCARBON CHAIN IDENTIFICATION

EPA 8015B

RunID: GC2_090421A	QC Batch: E09VS104	PrepDate: 4/20/2009	Analyst: KHN			
T/R Hydrocarbons: C4-C12	ND	0.21	1.1	mg/Kg	1	4/21/2009 04:31 PM
Surr: Bromofluorobenzene (FID)	114	0	59-145	%REC	1	4/21/2009 04:31 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-004A

Client Sample ID: 1001-101-20-S
Collection Date: 4/20/2009 8:45:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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ICP METALS

EPA 3050B		EPA 6010B	
RunID: ICP8_090427F	QC Batch: 54941	PrepDate: 4/23/2009	Analyst: CL
Antimony	ND 0.28	2.0	mg/Kg 1 4/27/2009 04:00 PM
Arsenic	ND 0.27	1.0	mg/Kg 1 4/27/2009 04:00 PM
Barium	62 0.13	1.0	mg/Kg 1 4/27/2009 04:00 PM
Beryllium	ND 0.055	1.0	mg/Kg 1 4/27/2009 04:00 PM
Cadmium	ND 0.0064	1.0	mg/Kg 1 4/27/2009 04:00 PM
Chromium	8.5 0.088	1.0	mg/Kg 1 4/27/2009 04:00 PM
Cobalt	3.8 0.014	1.0	mg/Kg 1 4/27/2009 04:00 PM
Copper	8.8 0.26	2.0	mg/Kg 1 4/27/2009 04:00 PM
Lead	ND 0.11	1.0	mg/Kg 1 4/27/2009 04:00 PM
Molybdenum	ND 0.043	1.0	mg/Kg 1 4/27/2009 04:00 PM
Nickel	6.0 0.032	1.0	mg/Kg 1 4/27/2009 04:00 PM
Selenium	ND 0.43	1.0	mg/Kg 1 4/27/2009 04:00 PM
Silver	ND 0.017	1.0	mg/Kg 1 4/27/2009 04:00 PM
Thallium	ND 0.23	1.0	mg/Kg 1 4/27/2009 04:00 PM
Vanadium	24 0.019	1.0	mg/Kg 1 4/27/2009 04:00 PM
Zinc	22 0.19	1.0	mg/Kg 1 4/27/2009 04:00 PM

HEXAVALENT CHROMIUM

EPA 7196A	
RunID: WETCHEM3_090423B	QC Batch: 54986
PrepDate: 4/23/2009	Analyst: MFP
Chromium, Hexavalent	ND 0.074 0.10 mg/Kg 1 4/23/2009

DIESEL RANGE ORGANICS BY GC/FID LUFT

EPA 8015B(M)	
RunID: GC16_090423E	QC Batch: 54918
PrepDate: 4/22/2009	Analyst: CBR
DRO	ND 10 10 mg/Kg 1 4/23/2009 09:09 PM
Surr: p-Terphenyl	85.8 0 57-144 %REC 1 4/23/2009 09:09 PM

HYDROCARBON CHAIN IDENTIFICATION LUFT

EPA 8015B(M)	
RunID: GC16_090423E	QC Batch: 54918
PrepDate: 4/22/2009	Analyst: CBR
T/R Hydrocarbons: C13-C22	ND 10 10 mg/Kg 1 4/23/2009 09:09 PM
T/R Hydrocarbons: C23-C32	ND 10 10 mg/Kg 1 4/23/2009 09:09 PM
T/R Hydrocarbons:>C32	ND 10 10 mg/Kg 1 4/23/2009 09:09 PM
Surr: p-Terphenyl	85.8 0 57-144 %REC 1 4/23/2009 09:09 PM

Qualifiers:	B Analyte detected in the associated Method Blank	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	ND Not Detected at the Reporting Limit
	S Spike/Surrogate outside of limits due to matrix interference	Results are wet unless otherwise specified
	DO Surrogate Diluted Out	



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Advanced Technology Laboratories**ANALYTICAL RESULTS**

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-004A

Client Sample ID: 1001-101-20-S
Collection Date: 4/20/2009 8:45:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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PCBS BY GC/ECD**EPA 3550B****EPA 8082**

RunID: GC5_090422A	QC Batch: 54915			PrepDate: 4/22/2009	Analyst: BB
Aroclor 1016	ND	5.0	16	µg/Kg	1 4/22/2009 06:02 PM
Aroclor 1221	ND	5.0	33	µg/Kg	1 4/22/2009 06:02 PM
Aroclor 1232	ND	5.0	16	µg/Kg	1 4/22/2009 06:02 PM
Aroclor 1242	ND	5.0	16	µg/Kg	1 4/22/2009 06:02 PM
Aroclor 1248	ND	5.0	16	µg/Kg	1 4/22/2009 06:02 PM
Aroclor 1254	ND	5.0	16	µg/Kg	1 4/22/2009 06:02 PM
Aroclor 1260	ND	5.0	16	µg/Kg	1 4/22/2009 06:02 PM
Aroclor 1262	ND	5.0	16	µg/Kg	1 4/22/2009 06:02 PM
Aroclor 1268	ND	5.0	16	µg/Kg	1 4/22/2009 06:02 PM
Surr: Decachlorobiphenyl	79.4	0	30-124	%REC	1 4/22/2009 06:02 PM
Surr: Tetrachloro-m-xylene	98.1	0	40-118	%REC	1 4/22/2009 06:02 PM

MERCURY BY COLD VAPOR TECHNIQUE**EPA 7471A**

RunID: AA5_090422C	QC Batch: 54900			PrepDate: 4/22/2009	Analyst: RQ
Mercury	ND	0.021	0.10	mg/Kg	1 4/22/2009 03:01 PM

SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS**EPA 3550B****EPA 8270C**

RunID: MS 13_090421A	QC Batch: 54881			PrepDate: 4/21/2009	Analyst: DMP
1,2,4-Trichlorobenzene	ND	82	330	µg/Kg	1 4/21/2009 07:39 PM
1,2-Dichlorobenzene	ND	85	330	µg/Kg	1 4/21/2009 07:39 PM
1,3-Dichlorobenzene	ND	74	330	µg/Kg	1 4/21/2009 07:39 PM
1,4-Dichlorobenzene	ND	78	330	µg/Kg	1 4/21/2009 07:39 PM
2,4,5-Trichlorophenol	ND	56	330	µg/Kg	1 4/21/2009 07:39 PM
2,4,6-Trichlorophenol	ND	78	330	µg/Kg	1 4/21/2009 07:39 PM
2,4-Dichlorophenol	ND	87	1600	µg/Kg	1 4/21/2009 07:39 PM
2,4-Dimethylphenol	ND	88	330	µg/Kg	1 4/21/2009 07:39 PM
2,4-Dinitrophenol	ND	45	1600	µg/Kg	1 4/21/2009 07:39 PM
2,4-Dinitrotoluene	ND	67	330	µg/Kg	1 4/21/2009 07:39 PM
2,6-Dinitrotoluene	ND	67	330	µg/Kg	1 4/21/2009 07:39 PM
2-Chloronaphthalene	ND	70	330	µg/Kg	1 4/21/2009 07:39 PM
2-Chlorophenol	ND	89	330	µg/Kg	1 4/21/2009 07:39 PM
2-Methylnaphthalene	ND	78	330	µg/Kg	1 4/21/2009 07:39 PM
2-Methylphenol	ND	96	330	µg/Kg	1 4/21/2009 07:39 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



Advanced Technology
Laboratories

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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-004A

Client Sample ID: 1001-101-20-S
Collection Date: 4/20/2009 8:45:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3550B

EPA 8270C

RunID: MS 13_090421A	QC Batch: 54881	PrepDate: 4/21/2009	Analyst: DMP
2-Nitroaniline	ND	79	1600
2-Nitrophenol	ND	70	330
3,3'-Dichlorobenzidine	ND	78	660
3-Nitroaniline	ND	60	1600
4,6-Dinitro-2-methylphenol	ND	63	1600
4-Bromophenyl-phenylether	ND	73	330
4-Chloro-3-methylphenol	ND	75	660
4-Chloroaniline	ND	73	660
4-Chlorophenyl-phenylether	ND	70	330
4-Methylphenol	ND	79	330
4-Nitroaniline	ND	60	1600
4-Nitrophenol	ND	71	1600
Acenaphthene	ND	70	330
Acenaphthylene	ND	69	330
Anthracene	ND	76	330
Benzidine (M)	ND	71	1600
Benzo(a)anthracene	ND	69	330
Benzo(a)pyrene	ND	82	330
Benzo(b)fluoranthene	ND	70	330
Benzo(g,h,i)perylene	ND	71	330
Benzo(k)fluoranthene	ND	98	330
Benzoic acid	ND	64	1600
Benzyl alcohol	ND	86	660
Bis(2-chloroethoxy)methane	ND	79	330
Bis(2-chloroethyl)ether	ND	81	330
Bis(2-chloroisopropyl)ether	ND	91	330
Bis(2-ethylhexyl)phthalate	ND	72	330
Butylbenzylphthalate	ND	72	330
Chrysene	ND	79	330
Di-n-butylphthalate	ND	78	330
Di-n-octylphthalate	ND	71	330
Dibenz(a,h)anthracene	ND	83	330
Dibenzofuran	ND	68	330
Diethylphthalate	ND	74	330
Dimethylphthalate	ND	69	330

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
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ANALYTICAL RESULTS

Print Date: 01-May-09

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Lab Order: 105139
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Lab ID: 105139-004A

Client Sample ID: 1001-101-20-S
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Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3550B

EPA 8270C

RunID: MS 13_090421A	QC Batch: 54881	PrepDate: 4/21/2009	Analyst: DMP
Fluoranthene	ND	73	330
Fluorene	ND	69	330
Hexachlorobenzene	ND	76	330
Hexachlorobutadiene	ND	77	660
Hexachlorocyclopentadiene	ND	80	660
Hexachloroethane	ND	81	330
Indeno(1,2,3-cd)pyrene	ND	69	330
Isophorone	ND	85	330
N-Nitrosodi-n-propylamine	ND	82	330
N-Nitrosodiphenylamine	ND	79	330
Naphthalene	ND	86	330
Nitrobenzene	ND	82	330
Pentachlorophenol	ND	55	1600
Phenanthrene	ND	76	330
Phenol	ND	95	330
Pyrene	ND	77	330
Surr: 1,2-Dichlorobenzene-d4	75.9	0	49-103
Surr: 2,4,6-Tribromophenol	83.5	0	47-129
Surr: 2-Chlorophenol-d4	84.4	0	54-109
Surr: 2-Fluorobiphenyl	89.0	0	59-108
Surr: 2-Fluorophenol	82.9	0	50-111
Surr: 4-Terphenyl-d14	116	0	58-135
Surr: Nitrobenzene-d5	81.5	0	54-115
Surr: Phenol-d5	88.8	0	58-112

PH

EPA 9045C

RunID: WETCHEM_090421B	QC Batch: R108340	PrepDate:	Analyst: DDL
pH	8.3	0.10	0.10

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-004C

Client Sample ID: 1001-101-20-S
Collection Date: 4/20/2009 8:45:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS5_090422A	QC Batch: T09VS104	PrepDate: 4/22/2009	Analyst: HH
1,1,1,2-Tetrachloroethane	ND 0.98	5.1	µg/Kg 1 4/22/2009 02:46 PM
1,1,1-Trichloroethane	ND 1.4	5.1	µg/Kg 1 4/22/2009 02:46 PM
1,1,2,2-Tetrachloroethane	ND 3.2	5.1	µg/Kg 1 4/22/2009 02:46 PM
1,1,2-Trichloroethane	ND 1.3	5.1	µg/Kg 1 4/22/2009 02:46 PM
1,1-Dichloroethane	ND 0.62	5.1	µg/Kg 1 4/22/2009 02:46 PM
1,1-Dichloroethene	ND 0.46	5.1	µg/Kg 1 4/22/2009 02:46 PM
1,1-Dichloropropene	ND 2.1	5.1	µg/Kg 1 4/22/2009 02:46 PM
1,2,3-Trichlorobenzene	ND 3.8	5.1	µg/Kg 1 4/22/2009 02:46 PM
1,2,3-Trichloropropane	ND 2.4	5.1	µg/Kg 1 4/22/2009 02:46 PM
1,2,4-Trichlorobenzene	ND 2.4	5.1	µg/Kg 1 4/22/2009 02:46 PM
1,2,4-Trimethylbenzene	ND 1.1	5.1	µg/Kg 1 4/22/2009 02:46 PM
1,2-Dibromo-3-chloropropane	ND 3.2	10	µg/Kg 1 4/22/2009 02:46 PM
1,2-Dibromoethane	ND 0.99	5.1	µg/Kg 1 4/22/2009 02:46 PM
1,2-Dichlorobenzene	ND 2.1	5.1	µg/Kg 1 4/22/2009 02:46 PM
1,2-Dichloroethane	ND 1.9	5.1	µg/Kg 1 4/22/2009 02:46 PM
1,2-Dichloropropane	ND 1.6	5.1	µg/Kg 1 4/22/2009 02:46 PM
1,3,5-Trimethylbenzene	ND 0.80	5.1	µg/Kg 1 4/22/2009 02:46 PM
1,3-Dichlorobenzene	ND 1.7	5.1	µg/Kg 1 4/22/2009 02:46 PM
1,3-Dichloropropane	ND 0.33	5.1	µg/Kg 1 4/22/2009 02:46 PM
1,4-Dichlorobenzene	ND 1.8	5.1	µg/Kg 1 4/22/2009 02:46 PM
2,2-Dichloropropane	ND 0.49	5.1	µg/Kg 1 4/22/2009 02:46 PM
2-Chlorotoluene	ND 0.91	5.1	µg/Kg 1 4/22/2009 02:46 PM
4-Chlorotoluene	ND 1.2	5.1	µg/Kg 1 4/22/2009 02:46 PM
4-Isopropyltoluene	ND 1.1	5.1	µg/Kg 1 4/22/2009 02:46 PM
Benzene	ND 0.65	5.1	µg/Kg 1 4/22/2009 02:46 PM
Bromobenzene	ND 1.3	5.1	µg/Kg 1 4/22/2009 02:46 PM
Bromodichloromethane	ND 1.3	5.1	µg/Kg 1 4/22/2009 02:46 PM
Bromoform	ND 2.0	5.1	µg/Kg 1 4/22/2009 02:46 PM
Bromomethane	ND 0.69	5.1	µg/Kg 1 4/22/2009 02:46 PM
Carbon tetrachloride	ND 1.4	5.1	µg/Kg 1 4/22/2009 02:46 PM
Chlorobenzene	ND 0.66	5.1	µg/Kg 1 4/22/2009 02:46 PM
Chloroethane	ND 0.89	5.1	µg/Kg 1 4/22/2009 02:46 PM
Chloroform	ND 1.5	5.1	µg/Kg 1 4/22/2009 02:46 PM
Chloromethane	ND 0.39	5.1	µg/Kg 1 4/22/2009 02:46 PM
cis-1,2-Dichloroethene	ND 1.8	5.1	µg/Kg 1 4/22/2009 02:46 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-004C

Client Sample ID: 1001-101-20-S
Collection Date: 4/20/2009 8:45:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS5_090422A	QC Batch: T09VS104	PrepDate: 4/22/2009	Analyst: HH
cis-1,3-Dichloropropene	ND 0.77	5.1	µg/Kg 1 4/22/2009 02:46 PM
Dibromochloromethane	ND 0.73	5.1	µg/Kg 1 4/22/2009 02:46 PM
Dibromomethane	ND 1.2	5.1	µg/Kg 1 4/22/2009 02:46 PM
Dichlorodifluoromethane	ND 0.55	5.1	µg/Kg 1 4/22/2009 02:46 PM
Ethylbenzene	ND 0.33	5.1	µg/Kg 1 4/22/2009 02:46 PM
Hexachlorobutadiene	ND 2.3	5.1	µg/Kg 1 4/22/2009 02:46 PM
Isopropylbenzene	ND 0.58	5.1	µg/Kg 1 4/22/2009 02:46 PM
m,p-Xylene	ND 0.70	10	µg/Kg 1 4/22/2009 02:46 PM
Methylene chloride	ND 5.1	5.1	µg/Kg 1 4/22/2009 02:46 PM
n-Butylbenzene	ND 1.2	5.1	µg/Kg 1 4/22/2009 02:46 PM
n-Propylbenzene	ND 0.69	5.1	µg/Kg 1 4/22/2009 02:46 PM
Naphthalene	ND 2.6	5.1	µg/Kg 1 4/22/2009 02:46 PM
o-Xylene	ND 0.51	5.1	µg/Kg 1 4/22/2009 02:46 PM
sec-Butylbenzene	ND 1.1	5.1	µg/Kg 1 4/22/2009 02:46 PM
Styrene	ND 0.61	5.1	µg/Kg 1 4/22/2009 02:46 PM
tert-Butylbenzene	ND 1.1	5.1	µg/Kg 1 4/22/2009 02:46 PM
Tetrachloroethene	ND 1.1	5.1	µg/Kg 1 4/22/2009 02:46 PM
Toluene	ND 0.57	5.1	µg/Kg 1 4/22/2009 02:46 PM
trans-1,2-Dichloroethene	ND 0.54	5.1	µg/Kg 1 4/22/2009 02:46 PM
Trichloroethene	ND 1.6	5.1	µg/Kg 1 4/22/2009 02:46 PM
Trichlorofluoromethane	ND 0.56	5.1	µg/Kg 1 4/22/2009 02:46 PM
Vinyl chloride	ND 0.43	5.1	µg/Kg 1 4/22/2009 02:46 PM
Surr: 1,2-Dichloroethane-d4	113 0	68-147	%REC 1 4/22/2009 02:46 PM
Surr: 4-Bromofluorobenzene	106 0	67-127	%REC 1 4/22/2009 02:46 PM
Surr: Dibromofluoromethane	116 0	72-141	%REC 1 4/22/2009 02:46 PM
Surr: Toluene-d8	120 0	75-120	%REC 1 4/22/2009 02:46 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-004E

Client Sample ID: 1001-101-20-S
Collection Date: 4/20/2009 8:45:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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GASOLINE RANGE ORGANICS BY GC/FID

EPA 8015B(M)

RunID: GC2_090421A	QC Batch: E09VS104	PrepDate: 4/20/2009	Analyst: KHN		
GRO	ND 0.17	1.2	mg/Kg	1	4/21/2009 04:47 PM
Surr: Bromofluorobenzene (FID)	114 0	59-145	%REC	1	4/21/2009 04:47 PM

HYDROCARBON CHAIN IDENTIFICATION

EPA 8015B

RunID: GC2_090421A	QC Batch: E09VS104	PrepDate: 4/20/2009	Analyst: KHN		
T/R Hydrocarbons: C4-C12	ND 0.23	1.2	mg/Kg	1	4/21/2009 04:47 PM
Surr: Bromofluorobenzene (FID)	114 0	59-145	%REC	1	4/21/2009 04:47 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-005A

Client Sample ID: 1001-102-2-S
Collection Date: 4/20/2009 9:25:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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ICP METALS

EPA 3050B

EPA 6010B

RunID:	ICP8_090427F	QC Batch:	54941	PrepDate:	4/23/2009	Analyst:	CL
Antimony	ND	0.28	2.0	mg/Kg	1	4/27/2009 04:02 PM	
Arsenic	ND	0.27	1.0	mg/Kg	1	4/27/2009 04:02 PM	
Barium	170	0.13	1.0	mg/Kg	1	4/27/2009 04:02 PM	
Beryllium	ND	0.055	1.0	mg/Kg	1	4/27/2009 04:02 PM	
Cadmium	ND	0.0064	1.0	mg/Kg	1	4/27/2009 04:02 PM	
Chromium	24	0.088	1.0	mg/Kg	1	4/27/2009 04:02 PM	
Cobalt	11	0.014	1.0	mg/Kg	1	4/27/2009 04:02 PM	
Copper	27	0.26	2.0	mg/Kg	1	4/27/2009 04:02 PM	
Lead	ND	0.11	1.0	mg/Kg	1	4/27/2009 04:02 PM	
Molybdenum	ND	0.043	1.0	mg/Kg	1	4/27/2009 04:02 PM	
Nickel	19	0.032	1.0	mg/Kg	1	4/27/2009 04:02 PM	
Selenium	ND	0.43	1.0	mg/Kg	1	4/27/2009 04:02 PM	
Silver	ND	0.017	1.0	mg/Kg	1	4/27/2009 04:02 PM	
Thallium	ND	0.23	1.0	mg/Kg	1	4/27/2009 04:02 PM	
Vanadium	57	0.019	1.0	mg/Kg	1	4/27/2009 04:02 PM	
Zinc	85	0.19	1.0	mg/Kg	1	4/27/2009 04:02 PM	

HEXAVALENT CHROMIUM

EPA 7196A

RunID:	WETCHEM3_090423B	QC Batch:	54986	PrepDate:	4/23/2009	Analyst:	MFP
Chromium, Hexavalent	ND	0.15	0.20	mg/Kg	2	4/23/2009	

DIESEL RANGE ORGANICS BY GC/FID LUFT

EPA 8015B(M)

RunID:	GC16_090423E	QC Batch:	54918	PrepDate:	4/22/2009	Analyst:	CBR
DRO	14	10	10	mg/Kg	1	4/23/2009 10:36 PM	
Surr: p-Terphenyl	94.0	0	57-144	%REC	1	4/23/2009 10:36 PM	

HYDROCARBON CHAIN IDENTIFICATION LUFT

EPA 8015B(M)

RunID:	GC16_090423E	QC Batch:	54918	PrepDate:	4/22/2009	Analyst:	CBR
T/R Hydrocarbons: C13-C22	ND	10	10	mg/Kg	1	4/23/2009 10:36 PM	
T/R Hydrocarbons: C23-C32	ND	10	10	mg/Kg	1	4/23/2009 10:36 PM	
T/R Hydrocarbons:>C32	ND	10	10	mg/Kg	1	4/23/2009 10:36 PM	
Surr: p-Terphenyl	94.0	0	57-144	%REC	1	4/23/2009 10:36 PM	

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-005A

Client Sample ID: 1001-102-2-S
Collection Date: 4/20/2009 9:25:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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PCBS BY GC/ECD

EPA 3550B		EPA 8082	
RunID: GC5_090422A	QC Batch: 54915	PrepDate: 4/22/2009	Analyst: BB
Aroclor 1016	ND 5.0	16	µg/Kg 1 4/22/2009 06:32 PM
Aroclor 1221	ND 5.0	33	µg/Kg 1 4/22/2009 06:32 PM
Aroclor 1232	ND 5.0	16	µg/Kg 1 4/22/2009 06:32 PM
Aroclor 1242	ND 5.0	16	µg/Kg 1 4/22/2009 06:32 PM
Aroclor 1248	ND 5.0	16	µg/Kg 1 4/22/2009 06:32 PM
Aroclor 1254	ND 5.0	16	µg/Kg 1 4/22/2009 06:32 PM
Aroclor 1260	ND 5.0	16	µg/Kg 1 4/22/2009 06:32 PM
Aroclor 1262	ND 5.0	16	µg/Kg 1 4/22/2009 06:32 PM
Aroclor 1268	ND 5.0	16	µg/Kg 1 4/22/2009 06:32 PM
Surr: Decachlorobiphenyl	81.5 0	30-124	%REC 1 4/22/2009 06:32 PM
Surr: Tetrachloro-m-xylene	100 0	40-118	%REC 1 4/22/2009 06:32 PM

MERCURY BY COLD VAPOR TECHNIQUE

EPA 7471A	
RunID: AA5_090422C	QC Batch: 54900
PrepDate: 4/22/2009	Analyst: RQ
Mercury	ND 0.021 0.10 mg/Kg 1 4/22/2009 03:03 PM

SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3550B		EPA 8270C	
RunID: MS 13_090422A	QC Batch: 54911	PrepDate: 4/22/2009	Analyst: DMP
1,2,4-Trichlorobenzene	ND 82	330	µg/Kg 1 4/22/2009 05:16 PM
1,2-Dichlorobenzene	ND 85	330	µg/Kg 1 4/22/2009 05:16 PM
1,3-Dichlorobenzene	ND 74	330	µg/Kg 1 4/22/2009 05:16 PM
1,4-Dichlorobenzene	ND 78	330	µg/Kg 1 4/22/2009 05:16 PM
2,4,5-Trichlorophenol	ND 56	330	µg/Kg 1 4/22/2009 05:16 PM
2,4,6-Trichlorophenol	ND 78	330	µg/Kg 1 4/22/2009 05:16 PM
2,4-Dichlorophenol	ND 87	1600	µg/Kg 1 4/22/2009 05:16 PM
2,4-Dimethylphenol	ND 88	330	µg/Kg 1 4/22/2009 05:16 PM
2,4-Dinitrophenol	ND 45	1600	µg/Kg 1 4/22/2009 05:16 PM
2,4-Dinitrotoluene	ND 67	330	µg/Kg 1 4/22/2009 05:16 PM
2,6-Dinitrotoluene	ND 67	330	µg/Kg 1 4/22/2009 05:16 PM
2-Chloronaphthalene	ND 70	330	µg/Kg 1 4/22/2009 05:16 PM
2-Chlorophenol	ND 89	330	µg/Kg 1 4/22/2009 05:16 PM
2-Methylnaphthalene	ND 78	330	µg/Kg 1 4/22/2009 05:16 PM
2-Methylphenol	ND 96	330	µg/Kg 1 4/22/2009 05:16 PM

Qualifiers: B Analyte detected in the associated Method Blank E Value above quantitation range
H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit
S Spike/Surrogate outside of limits due to matrix interference Results are wet unless otherwise specified
DO Surrogate Diluted Out



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-005A

Client Sample ID: 1001-102-2-S
Collection Date: 4/20/2009 9:25:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3550B

EPA 8270C

RunID: MS 13_090422A	QC Batch: 54911	PrepDate: 4/22/2009	Analyst: DMP
2-Nitroaniline	ND	79	1600
2-Nitrophenol	ND	70	330
3,3'-Dichlorobenzidine	ND	78	660
3-Nitroaniline	ND	60	1600
4,6-Dinitro-2-methylphenol	ND	63	1600
4-Bromophenyl-phenylether	ND	73	330
4-Chloro-3-methylphenol	ND	75	660
4-Chloroaniline	ND	73	660
4-Chlorophenyl-phenylether	ND	70	330
4-Methylphenol	ND	79	330
4-Nitroaniline	ND	60	1600
4-Nitrophenol	ND	71	1600
Acenaphthene	ND	70	330
Acenaphthylene	ND	69	330
Anthracene	ND	76	330
Benzidine (M)	ND	71	1600
Benzo(a)anthracene	ND	69	330
Benzo(a)pyrene	ND	82	330
Benzo(b)fluoranthene	ND	70	330
Benzo(g,h,i)perylene	ND	71	330
Benzo(k)fluoranthene	ND	98	330
Benzoic acid	ND	64	1600
Benzyl alcohol	ND	86	660
Bis(2-chloroethoxy)methane	ND	79	330
Bis(2-chloroethyl)ether	ND	81	330
Bis(2-chloroisopropyl)ether	ND	91	330
Bis(2-ethylhexyl)phthalate	ND	72	330
Butylbenzylphthalate	ND	72	330
Chrysene	ND	79	330
Di-n-butylphthalate	ND	78	330
Di-n-octylphthalate	ND	71	330
Dibenz(a,h)anthracene	ND	83	330
Dibenzofuran	ND	68	330
Diethylphthalate	ND	74	330
Dimethylphthalate	ND	69	330

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



Advanced Technology
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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-005A

Client Sample ID: 1001-102-2-S
Collection Date: 4/20/2009 9:25:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3550B

EPA 8270C

RunID: MS 13_090422A	QC Batch: 54911	PrepDate: 4/22/2009	Analyst: DMP
Fluoranthene	ND	73	330
Fluorene	ND	69	330
Hexachlorobenzene	ND	76	330
Hexachlorobutadiene	ND	77	660
Hexachlorocyclopentadiene	ND	80	660
Hexachloroethane	ND	81	330
Indeno(1,2,3-cd)pyrene	ND	69	330
Isophorone	ND	85	330
N-Nitrosodi-n-propylamine	ND	82	330
N-Nitrosodiphenylamine	ND	79	330
Naphthalene	ND	86	330
Nitrobenzene	ND	82	330
Pentachlorophenol	ND	55	1600
Phenanthrene	ND	76	330
Phenol	ND	95	330
Pyrene	ND	77	330
Surr: 1,2-Dichlorobenzene-d4	80.9	0	49-103
Surr: 2,4,6-Tribromophenol	94.2	0	47-129
Surr: 2-Chlorophenol-d4	91.2	0	54-109
Surr: 2-Fluorobiphenyl	93.1	0	59-108
Surr: 2-Fluorophenol	89.4	0	50-111
Surr: 4-Terphenyl-d14	115	0	58-135
Surr: Nitrobenzene-d5	86.6	0	54-115
Surr: Phenol-d5	94.2	0	58-112

PH

EPA 9045C

RunID: WETCHEM_090421B	QC Batch: R108340	PrepDate:	Analyst: DDL
pH	8.4	0.10	0.10

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-005B

Client Sample ID: 1001-102-2-S
Collection Date: 4/20/2009 9:25:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS5_090421B	QC Batch: T09VS103	PrepDate: 4/21/2009	Analyst: HH
1,1,1,2-Tetrachloroethane	ND	1.2	6.2
1,1,1-Trichloroethane	ND	1.7	6.2
1,1,2,2-Tetrachloroethane	ND	3.8	6.2
1,1,2-Trichloroethane	ND	1.5	6.2
1,1-Dichloroethane	ND	0.75	6.2
1,1-Dichloroethene	ND	0.56	6.2
1,1-Dichloropropene	ND	2.6	6.2
1,2,3-Trichlorobenzene	ND	4.6	6.2
1,2,3-Trichloropropane	ND	2.9	6.2
1,2,4-Trichlorobenzene	ND	2.9	6.2
1,2,4-Trimethylbenzene	ND	1.3	6.2
1,2-Dibromo-3-chloropropane	ND	3.9	12
1,2-Dibromoethane	ND	1.2	6.2
1,2-Dichlorobenzene	ND	2.6	6.2
1,2-Dichloroethane	ND	2.3	6.2
1,2-Dichloropropane	ND	1.9	6.2
1,3,5-Trimethylbenzene	ND	0.97	6.2
1,3-Dichlorobenzene	ND	2.1	6.2
1,3-Dichloropropane	ND	0.40	6.2
1,4-Dichlorobenzene	ND	2.2	6.2
2,2-Dichloropropane	ND	0.59	6.2
2-Chlorotoluene	ND	1.1	6.2
4-Chlorotoluene	ND	1.4	6.2
4-Isopropyltoluene	ND	1.4	6.2
Benzene	ND	0.79	6.2
Bromobenzene	ND	1.6	6.2
Bromodichloromethane	ND	1.6	6.2
Bromoform	ND	2.4	6.2
Bromomethane	ND	0.84	6.2
Carbon tetrachloride	ND	1.7	6.2
Chlorobenzene	ND	0.80	6.2
Chloroethane	ND	1.1	6.2
Chloroform	ND	1.8	6.2
Chloromethane	ND	0.47	6.2
cis-1,2-Dichloroethene	ND	2.2	6.2

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-005B

Client Sample ID: 1001-102-2-S
Collection Date: 4/20/2009 9:25:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS5_090421B	QC Batch: T09VS103	PrepDate: 4/21/2009	Analyst: HH
cis-1,3-Dichloropropene	ND 0.93	6.2	µg/Kg 1 4/21/2009 05:32 PM
Dibromochloromethane	ND 0.89	6.2	µg/Kg 1 4/21/2009 05:32 PM
Dibromomethane	ND 1.5	6.2	µg/Kg 1 4/21/2009 05:32 PM
Dichlorodifluoromethane	ND 0.67	6.2	µg/Kg 1 4/21/2009 05:32 PM
Ethylbenzene	ND 0.40	6.2	µg/Kg 1 4/21/2009 05:32 PM
Hexachlorobutadiene	ND 2.8	6.2	µg/Kg 1 4/21/2009 05:32 PM
Isopropylbenzene	ND 0.71	6.2	µg/Kg 1 4/21/2009 05:32 PM
m,p-Xylene	ND 0.85	12	µg/Kg 1 4/21/2009 05:32 PM
Methylene chloride	ND 6.2	6.2	µg/Kg 1 4/21/2009 05:32 PM
n-Butylbenzene	ND 1.5	6.2	µg/Kg 1 4/21/2009 05:32 PM
n-Propylbenzene	ND 0.84	6.2	µg/Kg 1 4/21/2009 05:32 PM
Naphthalene	ND 3.1	6.2	µg/Kg 1 4/21/2009 05:32 PM
o-Xylene	ND 0.62	6.2	µg/Kg 1 4/21/2009 05:32 PM
sec-Butylbenzene	ND 1.3	6.2	µg/Kg 1 4/21/2009 05:32 PM
Styrene	ND 0.74	6.2	µg/Kg 1 4/21/2009 05:32 PM
tert-Butylbenzene	ND 1.3	6.2	µg/Kg 1 4/21/2009 05:32 PM
Tetrachloroethene	18 1.3	6.2	µg/Kg 1 4/21/2009 05:32 PM
Toluene	ND 0.69	6.2	µg/Kg 1 4/21/2009 05:32 PM
trans-1,2-Dichloroethene	ND 0.66	6.2	µg/Kg 1 4/21/2009 05:32 PM
Trichloroethene	ND 1.9	6.2	µg/Kg 1 4/21/2009 05:32 PM
Trichlorofluoromethane	ND 0.68	6.2	µg/Kg 1 4/21/2009 05:32 PM
Vinyl chloride	ND 0.52	6.2	µg/Kg 1 4/21/2009 05:32 PM
Surr: 1,2-Dichloroethane-d4	114 0	68-147	%REC 1 4/21/2009 05:32 PM
Surr: 4-Bromofluorobenzene	105 0	67-127	%REC 1 4/21/2009 05:32 PM
Surr: Dibromofluoromethane	111 0	72-141	%REC 1 4/21/2009 05:32 PM
Surr: Toluene-d8	115 0	75-120	%REC 1 4/21/2009 05:32 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-005E

Client Sample ID: 1001-102-2-S
Collection Date: 4/20/2009 9:25:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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GASOLINE RANGE ORGANICS BY GC/FID

EPA 8015B(M)

RunID: GC2_090421A	QC Batch: E09VS104	PrepDate: 4/20/2009	Analyst: KHN			
GRO	ND	0.16	1.1	mg/Kg	1	4/21/2009 06:06 PM
Surr: Bromofluorobenzene (FID)	98.3	0	59-145	%REC	1	4/21/2009 06:06 PM

HYDROCARBON CHAIN IDENTIFICATION

EPA 8015B

RunID: GC2_090421A	QC Batch: E09VS104	PrepDate: 4/20/2009	Analyst: KHN			
T/R Hydrocarbons: C4-C12	ND	0.22	1.1	mg/Kg	1	4/21/2009 06:06 PM
Surr: Bromofluorobenzene (FID)	98.3	0	59-145	%REC	1	4/21/2009 06:06 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-006A

Client Sample ID: 1001-102-5-S
Collection Date: 4/20/2009 9:35:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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ICP METALS

EPA 3050B

EPA 6010B

RunID:	ICP8_090427F	QC Batch:	54941	PrepDate:	4/23/2009	Analyst:	CL
Antimony	ND	0.28	2.0	mg/Kg	1	4/27/2009 04:05 PM	
Arsenic	ND	0.27	1.0	mg/Kg	1	4/27/2009 04:05 PM	
Barium	110	0.13	1.0	mg/Kg	1	4/27/2009 04:05 PM	
Beryllium	ND	0.055	1.0	mg/Kg	1	4/27/2009 04:05 PM	
Cadmium	ND	0.0064	1.0	mg/Kg	1	4/27/2009 04:05 PM	
Chromium	16	0.088	1.0	mg/Kg	1	4/27/2009 04:05 PM	
Cobalt	6.6	0.014	1.0	mg/Kg	1	4/27/2009 04:05 PM	
Copper	17	0.26	2.0	mg/Kg	1	4/27/2009 04:05 PM	
Lead	ND	0.11	1.0	mg/Kg	1	4/27/2009 04:05 PM	
Molybdenum	ND	0.043	1.0	mg/Kg	1	4/27/2009 04:05 PM	
Nickel	12	0.032	1.0	mg/Kg	1	4/27/2009 04:05 PM	
Selenium	ND	0.43	1.0	mg/Kg	1	4/27/2009 04:05 PM	
Silver	ND	0.017	1.0	mg/Kg	1	4/27/2009 04:05 PM	
Thallium	ND	0.23	1.0	mg/Kg	1	4/27/2009 04:05 PM	
Vanadium	42	0.019	1.0	mg/Kg	1	4/27/2009 04:05 PM	
Zinc	36	0.19	1.0	mg/Kg	1	4/27/2009 04:05 PM	

HEXAVALENT CHROMIUM

EPA 7196A

RunID:	WETCHEM3_090423B	QC Batch:	54986	PrepDate:	4/23/2009	Analyst:	MFP
Chromium, Hexavalent	ND	0.074	0.10	mg/Kg	1	4/23/2009	

DIESEL RANGE ORGANICS BY GC/FID LUFT

EPA 8015B(M)

RunID:	GC16_090423E	QC Batch:	54918	PrepDate:	4/22/2009	Analyst:	CBR
DRO	ND	10	10	mg/Kg	1	4/23/2009 09:18 PM	
Surr: p-Terphenyl	78.2	0	57-144	%REC	1	4/23/2009 09:18 PM	

HYDROCARBON CHAIN IDENTIFICATION LUFT

EPA 8015B(M)

RunID:	GC16_090423E	QC Batch:	54918	PrepDate:	4/22/2009	Analyst:	CBR
T/R Hydrocarbons: C13-C22	ND	10	10	mg/Kg	1	4/23/2009 09:18 PM	
T/R Hydrocarbons: C23-C32	ND	10	10	mg/Kg	1	4/23/2009 09:18 PM	
T/R Hydrocarbons:>C32	ND	10	10	mg/Kg	1	4/23/2009 09:18 PM	
Surr: p-Terphenyl	78.2	0	57-144	%REC	1	4/23/2009 09:18 PM	

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-006A

Client Sample ID: 1001-102-5-S
Collection Date: 4/20/2009 9:35:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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PCBS BY GC/ECD

EPA 3550B		EPA 8082	
RunID: GC5_090422A	QC Batch: 54915	PrepDate: 4/22/2009	Analyst: BB
Aroclor 1016	ND 5.0	16	µg/Kg 1 4/22/2009 07:02 PM
Aroclor 1221	ND 5.0	33	µg/Kg 1 4/22/2009 07:02 PM
Aroclor 1232	ND 5.0	16	µg/Kg 1 4/22/2009 07:02 PM
Aroclor 1242	ND 5.0	16	µg/Kg 1 4/22/2009 07:02 PM
Aroclor 1248	ND 5.0	16	µg/Kg 1 4/22/2009 07:02 PM
Aroclor 1254	ND 5.0	16	µg/Kg 1 4/22/2009 07:02 PM
Aroclor 1260	ND 5.0	16	µg/Kg 1 4/22/2009 07:02 PM
Aroclor 1262	ND 5.0	16	µg/Kg 1 4/22/2009 07:02 PM
Aroclor 1268	ND 5.0	16	µg/Kg 1 4/22/2009 07:02 PM
Surr: Decachlorobiphenyl	78.6 0	30-124	%REC 1 4/22/2009 07:02 PM
Surr: Tetrachloro-m-xylene	88.1 0	40-118	%REC 1 4/22/2009 07:02 PM

MERCURY BY COLD VAPOR TECHNIQUE

EPA 7471A	
RunID: AA5_090422C	QC Batch: 54900
PrepDate: 4/22/2009	Analyst: RQ
Mercury	ND 0.021 0.10 mg/Kg 1 4/22/2009 03:05 PM

SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3550B		EPA 8270C	
RunID: MS 13_090422A	QC Batch: 54911	PrepDate: 4/22/2009	Analyst: DMP
1,2,4-Trichlorobenzene	ND 82	330	µg/Kg 1 4/22/2009 05:44 PM
1,2-Dichlorobenzene	ND 85	330	µg/Kg 1 4/22/2009 05:44 PM
1,3-Dichlorobenzene	ND 74	330	µg/Kg 1 4/22/2009 05:44 PM
1,4-Dichlorobenzene	ND 78	330	µg/Kg 1 4/22/2009 05:44 PM
2,4,5-Trichlorophenol	ND 56	330	µg/Kg 1 4/22/2009 05:44 PM
2,4,6-Trichlorophenol	ND 78	330	µg/Kg 1 4/22/2009 05:44 PM
2,4-Dichlorophenol	ND 87	1600	µg/Kg 1 4/22/2009 05:44 PM
2,4-Dimethylphenol	ND 88	330	µg/Kg 1 4/22/2009 05:44 PM
2,4-Dinitrophenol	ND 45	1600	µg/Kg 1 4/22/2009 05:44 PM
2,4-Dinitrotoluene	ND 67	330	µg/Kg 1 4/22/2009 05:44 PM
2,6-Dinitrotoluene	ND 67	330	µg/Kg 1 4/22/2009 05:44 PM
2-Chloronaphthalene	ND 70	330	µg/Kg 1 4/22/2009 05:44 PM
2-Chlorophenol	ND 89	330	µg/Kg 1 4/22/2009 05:44 PM
2-Methylnaphthalene	ND 78	330	µg/Kg 1 4/22/2009 05:44 PM
2-Methylphenol	ND 96	330	µg/Kg 1 4/22/2009 05:44 PM

Qualifiers: B Analyte detected in the associated Method Blank E Value above quantitation range
H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit
S Spike/Surrogate outside of limits due to matrix interference Results are wet unless otherwise specified
DO Surrogate Diluted Out



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-006A

Client Sample ID: 1001-102-5-S
Collection Date: 4/20/2009 9:35:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3550B

EPA 8270C

RunID: MS 13_090422A	QC Batch: 54911	PrepDate: 4/22/2009	Analyst: DMP
2-Nitroaniline	ND	79	1600
2-Nitrophenol	ND	70	330
3,3'-Dichlorobenzidine	ND	78	660
3-Nitroaniline	ND	60	1600
4,6-Dinitro-2-methylphenol	ND	63	1600
4-Bromophenyl-phenylether	ND	73	330
4-Chloro-3-methylphenol	ND	75	660
4-Chloroaniline	ND	73	660
4-Chlorophenyl-phenylether	ND	70	330
4-Methylphenol	ND	79	330
4-Nitroaniline	ND	60	1600
4-Nitrophenol	ND	71	1600
Acenaphthene	ND	70	330
Acenaphthylene	ND	69	330
Anthracene	ND	76	330
Benzidine (M)	ND	71	1600
Benzo(a)anthracene	ND	69	330
Benzo(a)pyrene	ND	82	330
Benzo(b)fluoranthene	ND	70	330
Benzo(g,h,i)perylene	ND	71	330
Benzo(k)fluoranthene	ND	98	330
Benzoic acid	ND	64	1600
Benzyl alcohol	ND	86	660
Bis(2-chloroethoxy)methane	ND	79	330
Bis(2-chloroethyl)ether	ND	81	330
Bis(2-chloroisopropyl)ether	ND	91	330
Bis(2-ethylhexyl)phthalate	ND	72	330
Butylbenzylphthalate	ND	72	330
Chrysene	ND	79	330
Di-n-butylphthalate	ND	78	330
Di-n-octylphthalate	ND	71	330
Dibenz(a,h)anthracene	ND	83	330
Dibenzofuran	ND	68	330
Diethylphthalate	ND	74	330
Dimethylphthalate	ND	69	330

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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Print Date: 01-May-09

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Lab Order: 105139
Project: 207126015
Lab ID: 105139-006A

Client Sample ID: 1001-102-5-S
Collection Date: 4/20/2009 9:35:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3550B

EPA 8270C

RunID: MS 13_090422A	QC Batch: 54911	PrepDate: 4/22/2009	Analyst: DMP
Fluoranthene	ND	73	330
Fluorene	ND	69	330
Hexachlorobenzene	ND	76	330
Hexachlorobutadiene	ND	77	660
Hexachlorocyclopentadiene	ND	80	660
Hexachloroethane	ND	81	330
Indeno(1,2,3-cd)pyrene	ND	69	330
Isophorone	ND	85	330
N-Nitrosodi-n-propylamine	ND	82	330
N-Nitrosodiphenylamine	ND	79	330
Naphthalene	ND	86	330
Nitrobenzene	ND	82	330
Pentachlorophenol	ND	55	1600
Phenanthrene	ND	76	330
Phenol	ND	95	330
Pyrene	ND	77	330
Surr: 1,2-Dichlorobenzene-d4	67.4	0	49-103
Surr: 2,4,6-Tribromophenol	83.8	0	47-129
Surr: 2-Chlorophenol-d4	75.5	0	54-109
Surr: 2-Fluorobiphenyl	79.6	0	59-108
Surr: 2-Fluorophenol	73.9	0	50-111
Surr: 4-Terphenyl-d14	110	0	58-135
Surr: Nitrobenzene-d5	73.3	0	54-115
Surr: Phenol-d5	79.7	0	58-112

PH

EPA 9045C

RunID: WETCHEM_090421B	QC Batch: R108340	PrepDate:	Analyst: DDL
pH	8.4	0.10	0.10

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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Advanced Technology Laboratories**ANALYTICAL RESULTS**

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-006B

Client Sample ID: 1001-102-5-S
Collection Date: 4/20/2009 9:35:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS**EPA 8260B**

RunID: MS5_090421B	QC Batch: T09VS103	PrepDate: 4/21/2009	Analyst: HH
1,1,1,2-Tetrachloroethane	ND 0.84	4.4	µg/Kg 1 4/21/2009 05:51 PM
1,1,1-Trichloroethane	ND 1.2	4.4	µg/Kg 1 4/21/2009 05:51 PM
1,1,2,2-Tetrachloroethane	ND 2.7	4.4	µg/Kg 1 4/21/2009 05:51 PM
1,1,2-Trichloroethane	ND 1.1	4.4	µg/Kg 1 4/21/2009 05:51 PM
1,1-Dichloroethane	ND 0.54	4.4	µg/Kg 1 4/21/2009 05:51 PM
1,1-Dichloroethene	ND 0.39	4.4	µg/Kg 1 4/21/2009 05:51 PM
1,1-Dichloropropene	ND 1.8	4.4	µg/Kg 1 4/21/2009 05:51 PM
1,2,3-Trichlorobenzene	ND 3.3	4.4	µg/Kg 1 4/21/2009 05:51 PM
1,2,3-Trichloropropane	ND 2.0	4.4	µg/Kg 1 4/21/2009 05:51 PM
1,2,4-Trichlorobenzene	ND 2.1	4.4	µg/Kg 1 4/21/2009 05:51 PM
1,2,4-Trimethylbenzene	ND 0.91	4.4	µg/Kg 1 4/21/2009 05:51 PM
1,2-Dibromo-3-chloropropane	ND 2.8	8.8	µg/Kg 1 4/21/2009 05:51 PM
1,2-Dibromoethane	ND 0.85	4.4	µg/Kg 1 4/21/2009 05:51 PM
1,2-Dichlorobenzene	ND 1.8	4.4	µg/Kg 1 4/21/2009 05:51 PM
1,2-Dichloroethane	ND 1.6	4.4	µg/Kg 1 4/21/2009 05:51 PM
1,2-Dichloropropane	ND 1.4	4.4	µg/Kg 1 4/21/2009 05:51 PM
1,3,5-Trimethylbenzene	ND 0.68	4.4	µg/Kg 1 4/21/2009 05:51 PM
1,3-Dichlorobenzene	ND 1.5	4.4	µg/Kg 1 4/21/2009 05:51 PM
1,3-Dichloropropane	ND 0.28	4.4	µg/Kg 1 4/21/2009 05:51 PM
1,4-Dichlorobenzene	ND 1.6	4.4	µg/Kg 1 4/21/2009 05:51 PM
2,2-Dichloropropane	ND 0.42	4.4	µg/Kg 1 4/21/2009 05:51 PM
2-Chlorotoluene	ND 0.78	4.4	µg/Kg 1 4/21/2009 05:51 PM
4-Chlorotoluene	ND 0.99	4.4	µg/Kg 1 4/21/2009 05:51 PM
4-Isopropyltoluene	ND 0.97	4.4	µg/Kg 1 4/21/2009 05:51 PM
Benzene	ND 0.56	4.4	µg/Kg 1 4/21/2009 05:51 PM
Bromobenzene	ND 1.1	4.4	µg/Kg 1 4/21/2009 05:51 PM
Bromodichloromethane	ND 1.2	4.4	µg/Kg 1 4/21/2009 05:51 PM
Bromoform	ND 1.7	4.4	µg/Kg 1 4/21/2009 05:51 PM
Bromomethane	ND 0.60	4.4	µg/Kg 1 4/21/2009 05:51 PM
Carbon tetrachloride	ND 1.2	4.4	µg/Kg 1 4/21/2009 05:51 PM
Chlorobenzene	ND 0.57	4.4	µg/Kg 1 4/21/2009 05:51 PM
Chloroethane	ND 0.76	4.4	µg/Kg 1 4/21/2009 05:51 PM
Chloroform	ND 1.3	4.4	µg/Kg 1 4/21/2009 05:51 PM
Chloromethane	ND 0.33	4.4	µg/Kg 1 4/21/2009 05:51 PM
cis-1,2-Dichloroethene	ND 1.6	4.4	µg/Kg 1 4/21/2009 05:51 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



Advanced Technology
Laboratories

3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562.989.4045 Fax: 562.989.4040

Advanced Technology Laboratories**ANALYTICAL RESULTS**

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-006B

Client Sample ID: 1001-102-5-S
Collection Date: 4/20/2009 9:35:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS**EPA 8260B**

RunID: MS5_090421B	QC Batch: T09VS103	PrepDate: 4/21/2009	Analyst: HH
cis-1,3-Dichloropropene	ND 0.66	4.4	µg/Kg 1 4/21/2009 05:51 PM
Dibromochloromethane	ND 0.63	4.4	µg/Kg 1 4/21/2009 05:51 PM
Dibromomethane	ND 1.0	4.4	µg/Kg 1 4/21/2009 05:51 PM
Dichlorodifluoromethane	ND 0.47	4.4	µg/Kg 1 4/21/2009 05:51 PM
Ethylbenzene	ND 0.28	4.4	µg/Kg 1 4/21/2009 05:51 PM
Hexachlorobutadiene	ND 2.0	4.4	µg/Kg 1 4/21/2009 05:51 PM
Isopropylbenzene	ND 0.50	4.4	µg/Kg 1 4/21/2009 05:51 PM
m,p-Xylene	ND 0.61	8.8	µg/Kg 1 4/21/2009 05:51 PM
Methylene chloride	ND 4.4	4.4	µg/Kg 1 4/21/2009 05:51 PM
n-Butylbenzene	ND 1.1	4.4	µg/Kg 1 4/21/2009 05:51 PM
n-Propylbenzene	ND 0.60	4.4	µg/Kg 1 4/21/2009 05:51 PM
Naphthalene	ND 2.2	4.4	µg/Kg 1 4/21/2009 05:51 PM
o-Xylene	ND 0.44	4.4	µg/Kg 1 4/21/2009 05:51 PM
sec-Butylbenzene	ND 0.91	4.4	µg/Kg 1 4/21/2009 05:51 PM
Styrene	ND 0.53	4.4	µg/Kg 1 4/21/2009 05:51 PM
tert-Butylbenzene	ND 0.91	4.4	µg/Kg 1 4/21/2009 05:51 PM
Tetrachloroethene	ND 0.92	4.4	µg/Kg 1 4/21/2009 05:51 PM
Toluene	ND 0.49	4.4	µg/Kg 1 4/21/2009 05:51 PM
trans-1,2-Dichloroethene	ND 0.46	4.4	µg/Kg 1 4/21/2009 05:51 PM
Trichloroethene	ND 1.3	4.4	µg/Kg 1 4/21/2009 05:51 PM
Trichlorofluoromethane	ND 0.48	4.4	µg/Kg 1 4/21/2009 05:51 PM
Vinyl chloride	ND 0.37	4.4	µg/Kg 1 4/21/2009 05:51 PM
Surr: 1,2-Dichloroethane-d4	110 0	68-147	%REC 1 4/21/2009 05:51 PM
Surr: 4-Bromofluorobenzene	105 0	67-127	%REC 1 4/21/2009 05:51 PM
Surr: Dibromofluoromethane	110 0	72-141	%REC 1 4/21/2009 05:51 PM
Surr: Toluene-d8	114 0	75-120	%REC 1 4/21/2009 05:51 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-006E

Client Sample ID: 1001-102-5-S
Collection Date: 4/20/2009 9:35:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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GASOLINE RANGE ORGANICS BY GC/FID

EPA 8015B(M)

RunID: GC2_090421A	QC Batch: E09VS104	PrepDate: 4/20/2009	Analyst: KHN		
GRO	ND 0.14	0.91	mg/Kg	1	4/21/2009 06:22 PM
Surr: Bromofluorobenzene (FID)	106 0	59-145	%REC	1	4/21/2009 06:22 PM

HYDROCARBON CHAIN IDENTIFICATION

EPA 8015B

RunID: GC2_090421A	QC Batch: E09VS104	PrepDate: 4/20/2009	Analyst: KHN		
T/R Hydrocarbons: C4-C12	ND 0.18	0.91	mg/Kg	1	4/21/2009 06:22 PM
Surr: Bromofluorobenzene (FID)	106 0	59-145	%REC	1	4/21/2009 06:22 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-007A

Client Sample ID: 1001-102-10-S
Collection Date: 4/20/2009 9:45:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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ICP METALS

EPA 3050B

EPA 6010B

RunID:	ICP8_090427F	QC Batch:	54941	PrepDate:	4/23/2009	Analyst:	CL
Antimony	ND	0.28	2.0	mg/Kg	1	4/27/2009 04:08 PM	
Arsenic	ND	0.27	1.0	mg/Kg	1	4/27/2009 04:08 PM	
Barium	120	0.13	1.0	mg/Kg	1	4/27/2009 04:08 PM	
Beryllium	ND	0.055	1.0	mg/Kg	1	4/27/2009 04:08 PM	
Cadmium	ND	0.0064	1.0	mg/Kg	1	4/27/2009 04:08 PM	
Chromium	17	0.088	1.0	mg/Kg	1	4/27/2009 04:08 PM	
Cobalt	5.9	0.014	1.0	mg/Kg	1	4/27/2009 04:08 PM	
Copper	13	0.26	2.0	mg/Kg	1	4/27/2009 04:08 PM	
Lead	ND	0.11	1.0	mg/Kg	1	4/27/2009 04:08 PM	
Molybdenum	1.6	0.043	1.0	mg/Kg	1	4/27/2009 04:08 PM	
Nickel	9.6	0.032	1.0	mg/Kg	1	4/27/2009 04:08 PM	
Selenium	ND	0.43	1.0	mg/Kg	1	4/27/2009 04:08 PM	
Silver	ND	0.017	1.0	mg/Kg	1	4/27/2009 04:08 PM	
Thallium	ND	0.23	1.0	mg/Kg	1	4/27/2009 04:08 PM	
Vanadium	41	0.019	1.0	mg/Kg	1	4/27/2009 04:08 PM	
Zinc	35	0.19	1.0	mg/Kg	1	4/27/2009 04:08 PM	

HEXAVALENT CHROMIUM

EPA 7196A

RunID:	WETCHEM3_090423B	QC Batch:	54986	PrepDate:	4/23/2009	Analyst:	MFP
Chromium, Hexavalent	ND	0.074	0.10	mg/Kg	1	4/23/2009	

DIESEL RANGE ORGANICS BY GC/FID LUFT

EPA 8015B(M)

RunID:	GC16_090423E	QC Batch:	54918	PrepDate:	4/22/2009	Analyst:	CBR
DRO	ND	10	10	mg/Kg	1	4/23/2009 09:27 PM	
Surr: p-Terphenyl	88.0	0	57-144	%REC	1	4/23/2009 09:27 PM	

HYDROCARBON CHAIN IDENTIFICATION LUFT

EPA 8015B(M)

RunID:	GC16_090423E	QC Batch:	54918	PrepDate:	4/22/2009	Analyst:	CBR
T/R Hydrocarbons: C13-C22	ND	10	10	mg/Kg	1	4/23/2009 09:27 PM	
T/R Hydrocarbons: C23-C32	ND	10	10	mg/Kg	1	4/23/2009 09:27 PM	
T/R Hydrocarbons:>C32	ND	10	10	mg/Kg	1	4/23/2009 09:27 PM	
Surr: p-Terphenyl	88.0	0	57-144	%REC	1	4/23/2009 09:27 PM	

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-007A

Client Sample ID: 1001-102-10-S
Collection Date: 4/20/2009 9:45:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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PCBS BY GC/ECD

EPA 3550B

EPA 8082

RunID: GC5_090422A	QC Batch: 54915	PrepDate: 4/22/2009	Analyst: BB			
Aroclor 1016	ND	5.0	16	µg/Kg	1	4/22/2009 07:31 PM
Aroclor 1221	ND	5.0	33	µg/Kg	1	4/22/2009 07:31 PM
Aroclor 1232	ND	5.0	16	µg/Kg	1	4/22/2009 07:31 PM
Aroclor 1242	ND	5.0	16	µg/Kg	1	4/22/2009 07:31 PM
Aroclor 1248	ND	5.0	16	µg/Kg	1	4/22/2009 07:31 PM
Aroclor 1254	ND	5.0	16	µg/Kg	1	4/22/2009 07:31 PM
Aroclor 1260	ND	5.0	16	µg/Kg	1	4/22/2009 07:31 PM
Aroclor 1262	ND	5.0	16	µg/Kg	1	4/22/2009 07:31 PM
Aroclor 1268	ND	5.0	16	µg/Kg	1	4/22/2009 07:31 PM
Surr: Decachlorobiphenyl	73.0	0	30-124	%REC	1	4/22/2009 07:31 PM
Surr: Tetrachloro-m-xylene	80.2	0	40-118	%REC	1	4/22/2009 07:31 PM

MERCURY BY COLD VAPOR TECHNIQUE

EPA 7471A

RunID: AA5_090422C	QC Batch: 54900	PrepDate: 4/22/2009	Analyst: RQ			
Mercury	ND	0.021	0.10	mg/Kg	1	4/22/2009 03:07 PM

SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3550B

EPA 8270C

RunID: MS 13_090422A	QC Batch: 54911	PrepDate: 4/22/2009	Analyst: DMP			
1,2,4-Trichlorobenzene	ND	82	330	µg/Kg	1	4/22/2009 06:11 PM
1,2-Dichlorobenzene	ND	85	330	µg/Kg	1	4/22/2009 06:11 PM
1,3-Dichlorobenzene	ND	74	330	µg/Kg	1	4/22/2009 06:11 PM
1,4-Dichlorobenzene	ND	78	330	µg/Kg	1	4/22/2009 06:11 PM
2,4,5-Trichlorophenol	ND	56	330	µg/Kg	1	4/22/2009 06:11 PM
2,4,6-Trichlorophenol	ND	78	330	µg/Kg	1	4/22/2009 06:11 PM
2,4-Dichlorophenol	ND	87	1600	µg/Kg	1	4/22/2009 06:11 PM
2,4-Dimethylphenol	ND	88	330	µg/Kg	1	4/22/2009 06:11 PM
2,4-Dinitrophenol	ND	45	1600	µg/Kg	1	4/22/2009 06:11 PM
2,4-Dinitrotoluene	ND	67	330	µg/Kg	1	4/22/2009 06:11 PM
2,6-Dinitrotoluene	ND	67	330	µg/Kg	1	4/22/2009 06:11 PM
2-Chloronaphthalene	ND	70	330	µg/Kg	1	4/22/2009 06:11 PM
2-Chlorophenol	ND	89	330	µg/Kg	1	4/22/2009 06:11 PM
2-Methylnaphthalene	ND	78	330	µg/Kg	1	4/22/2009 06:11 PM
2-Methylphenol	ND	96	330	µg/Kg	1	4/22/2009 06:11 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-007A

Client Sample ID: 1001-102-10-S
Collection Date: 4/20/2009 9:45:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3550B

EPA 8270C

RunID: MS 13_090422A	QC Batch: 54911	PrepDate: 4/22/2009	Analyst: DMP
2-Nitroaniline	ND	79	1600
2-Nitrophenol	ND	70	330
3,3'-Dichlorobenzidine	ND	78	660
3-Nitroaniline	ND	60	1600
4,6-Dinitro-2-methylphenol	ND	63	1600
4-Bromophenyl-phenylether	ND	73	330
4-Chloro-3-methylphenol	ND	75	660
4-Chloroaniline	ND	73	660
4-Chlorophenyl-phenylether	ND	70	330
4-Methylphenol	ND	79	330
4-Nitroaniline	ND	60	1600
4-Nitrophenol	ND	71	1600
Acenaphthene	ND	70	330
Acenaphthylene	ND	69	330
Anthracene	ND	76	330
Benzidine (M)	ND	71	1600
Benzo(a)anthracene	ND	69	330
Benzo(a)pyrene	ND	82	330
Benzo(b)fluoranthene	ND	70	330
Benzo(g,h,i)perylene	ND	71	330
Benzo(k)fluoranthene	ND	98	330
Benzoic acid	ND	64	1600
Benzyl alcohol	ND	86	660
Bis(2-chloroethoxy)methane	ND	79	330
Bis(2-chloroethyl)ether	ND	81	330
Bis(2-chloroisopropyl)ether	ND	91	330
Bis(2-ethylhexyl)phthalate	ND	72	330
Butylbenzylphthalate	ND	72	330
Chrysene	ND	79	330
Di-n-butylphthalate	ND	78	330
Di-n-octylphthalate	ND	71	330
Dibenz(a,h)anthracene	ND	83	330
Dibenzofuran	ND	68	330
Diethylphthalate	ND	74	330
Dimethylphthalate	ND	69	330

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
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Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3550B

EPA 8270C

RunID: MS 13_090422A	QC Batch: 54911	PrepDate: 4/22/2009	Analyst: DMP
Fluoranthene	ND	73	330
Fluorene	ND	69	330
Hexachlorobenzene	ND	76	330
Hexachlorobutadiene	ND	77	660
Hexachlorocyclopentadiene	ND	80	660
Hexachloroethane	ND	81	330
Indeno(1,2,3-cd)pyrene	ND	69	330
Isophorone	ND	85	330
N-Nitrosodi-n-propylamine	ND	82	330
N-Nitrosodiphenylamine	ND	79	330
Naphthalene	ND	86	330
Nitrobenzene	ND	82	330
Pentachlorophenol	ND	55	1600
Phenanthrene	ND	76	330
Phenol	ND	95	330
Pyrene	ND	77	330
Surr: 1,2-Dichlorobenzene-d4	82.2	0	49-103
Surr: 2,4,6-Tribromophenol	91.8	0	47-129
Surr: 2-Chlorophenol-d4	92.7	0	54-109
Surr: 2-Fluorobiphenyl	93.0	0	59-108
Surr: 2-Fluorophenol	91.4	0	50-111
Surr: 4-Terphenyl-d14	119	0	58-135
Surr: Nitrobenzene-d5	88.4	0	54-115
Surr: Phenol-d5	96.6	0	58-112

PH

EPA 9045C

RunID: WETCHEM_090421B	QC Batch: R108340	PrepDate:	Analyst: DDL
pH	8.8	0.10	0.10

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
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Client Sample ID: 1001-102-10-S
Collection Date: 4/20/2009 9:45:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS5_090422A	QC Batch: T09VS104	PrepDate: 4/22/2009	Analyst: HH			
1,1,1,2-Tetrachloroethane	ND	1.1	5.5	µg/Kg	1	4/22/2009 03:06 PM
1,1,1-Trichloroethane	ND	1.5	5.5	µg/Kg	1	4/22/2009 03:06 PM
1,1,2,2-Tetrachloroethane	ND	3.4	5.5	µg/Kg	1	4/22/2009 03:06 PM
1,1,2-Trichloroethane	ND	1.4	5.5	µg/Kg	1	4/22/2009 03:06 PM
1,1-Dichloroethane	ND	0.67	5.5	µg/Kg	1	4/22/2009 03:06 PM
1,1-Dichloroethene	ND	0.50	5.5	µg/Kg	1	4/22/2009 03:06 PM
1,1-Dichloropropene	ND	2.3	5.5	µg/Kg	1	4/22/2009 03:06 PM
1,2,3-Trichlorobenzene	ND	4.1	5.5	µg/Kg	1	4/22/2009 03:06 PM
1,2,3-Trichloropropane	ND	2.6	5.5	µg/Kg	1	4/22/2009 03:06 PM
1,2,4-Trichlorobenzene	ND	2.6	5.5	µg/Kg	1	4/22/2009 03:06 PM
1,2,4-Trimethylbenzene	ND	1.2	5.5	µg/Kg	1	4/22/2009 03:06 PM
1,2-Dibromo-3-chloropropane	ND	3.5	11	µg/Kg	1	4/22/2009 03:06 PM
1,2-Dibromoethane	ND	1.1	5.5	µg/Kg	1	4/22/2009 03:06 PM
1,2-Dichlorobenzene	ND	2.3	5.5	µg/Kg	1	4/22/2009 03:06 PM
1,2-Dichloroethane	ND	2.0	5.5	µg/Kg	1	4/22/2009 03:06 PM
1,2-Dichloropropane	ND	1.7	5.5	µg/Kg	1	4/22/2009 03:06 PM
1,3,5-Trimethylbenzene	ND	0.86	5.5	µg/Kg	1	4/22/2009 03:06 PM
1,3-Dichlorobenzene	ND	1.9	5.5	µg/Kg	1	4/22/2009 03:06 PM
1,3-Dichloropropane	ND	0.35	5.5	µg/Kg	1	4/22/2009 03:06 PM
1,4-Dichlorobenzene	ND	2.0	5.5	µg/Kg	1	4/22/2009 03:06 PM
2,2-Dichloropropane	ND	0.53	5.5	µg/Kg	1	4/22/2009 03:06 PM
2-Chlorotoluene	ND	0.98	5.5	µg/Kg	1	4/22/2009 03:06 PM
4-Chlorotoluene	ND	1.2	5.5	µg/Kg	1	4/22/2009 03:06 PM
4-Isopropyltoluene	ND	1.2	5.5	µg/Kg	1	4/22/2009 03:06 PM
Benzene	ND	0.71	5.5	µg/Kg	1	4/22/2009 03:06 PM
Bromobenzene	ND	1.4	5.5	µg/Kg	1	4/22/2009 03:06 PM
Bromodichloromethane	ND	1.5	5.5	µg/Kg	1	4/22/2009 03:06 PM
Bromoform	ND	2.2	5.5	µg/Kg	1	4/22/2009 03:06 PM
Bromomethane	ND	0.75	5.5	µg/Kg	1	4/22/2009 03:06 PM
Carbon tetrachloride	ND	1.5	5.5	µg/Kg	1	4/22/2009 03:06 PM
Chlorobenzene	ND	0.72	5.5	µg/Kg	1	4/22/2009 03:06 PM
Chloroethane	ND	0.96	5.5	µg/Kg	1	4/22/2009 03:06 PM
Chloroform	ND	1.6	5.5	µg/Kg	1	4/22/2009 03:06 PM
Chloromethane	ND	0.42	5.5	µg/Kg	1	4/22/2009 03:06 PM
cis-1,2-Dichloroethene	ND	2.0	5.5	µg/Kg	1	4/22/2009 03:06 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-007C

Client Sample ID: 1001-102-10-S
Collection Date: 4/20/2009 9:45:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS5_090422A	QC Batch: T09VS104	PrepDate: 4/22/2009	Analyst: HH
cis-1,3-Dichloropropene	ND 0.83	5.5	µg/Kg 1 4/22/2009 03:06 PM
Dibromochloromethane	ND 0.80	5.5	µg/Kg 1 4/22/2009 03:06 PM
Dibromomethane	ND 1.3	5.5	µg/Kg 1 4/22/2009 03:06 PM
Dichlorodifluoromethane	ND 0.60	5.5	µg/Kg 1 4/22/2009 03:06 PM
Ethylbenzene	ND 0.35	5.5	µg/Kg 1 4/22/2009 03:06 PM
Hexachlorobutadiene	ND 2.5	5.5	µg/Kg 1 4/22/2009 03:06 PM
Isopropylbenzene	ND 0.63	5.5	µg/Kg 1 4/22/2009 03:06 PM
m,p-Xylene	ND 0.76	11	µg/Kg 1 4/22/2009 03:06 PM
Methylene chloride	ND 5.5	5.5	µg/Kg 1 4/22/2009 03:06 PM
n-Butylbenzene	ND 1.3	5.5	µg/Kg 1 4/22/2009 03:06 PM
n-Propylbenzene	ND 0.75	5.5	µg/Kg 1 4/22/2009 03:06 PM
Naphthalene	ND 2.8	5.5	µg/Kg 1 4/22/2009 03:06 PM
o-Xylene	ND 0.55	5.5	µg/Kg 1 4/22/2009 03:06 PM
sec-Butylbenzene	ND 1.2	5.5	µg/Kg 1 4/22/2009 03:06 PM
Styrene	ND 0.66	5.5	µg/Kg 1 4/22/2009 03:06 PM
tert-Butylbenzene	ND 1.2	5.5	µg/Kg 1 4/22/2009 03:06 PM
Tetrachloroethene	ND 1.2	5.5	µg/Kg 1 4/22/2009 03:06 PM
Toluene	ND 0.62	5.5	µg/Kg 1 4/22/2009 03:06 PM
trans-1,2-Dichloroethene	ND 0.59	5.5	µg/Kg 1 4/22/2009 03:06 PM
Trichloroethene	ND 1.7	5.5	µg/Kg 1 4/22/2009 03:06 PM
Trichlorofluoromethane	ND 0.61	5.5	µg/Kg 1 4/22/2009 03:06 PM
Vinyl chloride	ND 0.46	5.5	µg/Kg 1 4/22/2009 03:06 PM
Surr: 1,2-Dichloroethane-d4	113 0	68-147	%REC 1 4/22/2009 03:06 PM
Surr: 4-Bromofluorobenzene	106 0	67-127	%REC 1 4/22/2009 03:06 PM
Surr: Dibromofluoromethane	117 0	72-141	%REC 1 4/22/2009 03:06 PM
Surr: Toluene-d8	122 0	75-120	S %REC 1 4/22/2009 03:06 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-007E

Client Sample ID: 1001-102-10-S
Collection Date: 4/20/2009 9:45:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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GASOLINE RANGE ORGANICS BY GC/FID

EPA 8015B(M)

RunID: GC2_090421A	QC Batch: E09VS104	PrepDate: 4/20/2009	Analyst: KHN		
GRO	ND 0.18	1.2	mg/Kg	1	4/21/2009 06:37 PM
Surr: Bromofluorobenzene (FID)	112 0	59-145	%REC	1	4/21/2009 06:37 PM

HYDROCARBON CHAIN IDENTIFICATION

EPA 8015B

RunID: GC2_090421A	QC Batch: E09VS104	PrepDate: 4/20/2009	Analyst: KHN		
T/R Hydrocarbons: C4-C12	ND 0.23	1.2	mg/Kg	1	4/21/2009 06:37 PM
Surr: Bromofluorobenzene (FID)	112 0	59-145	%REC	1	4/21/2009 06:37 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-008A

Client Sample ID: 1001-102-20-S
Collection Date: 4/20/2009 10:00:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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ICP METALS

EPA 3050B

EPA 6010B

RunID:	ICP8_090427F	QC Batch:	54941	PrepDate:	4/23/2009	Analyst:	CL
Antimony	ND	0.28	2.0	mg/Kg	1	4/27/2009 04:10 PM	
Arsenic	1.1	0.27	1.0	mg/Kg	1	4/27/2009 04:10 PM	
Barium	170	0.13	1.0	mg/Kg	1	4/27/2009 04:10 PM	
Beryllium	ND	0.055	1.0	mg/Kg	1	4/27/2009 04:10 PM	
Cadmium	ND	0.0064	1.0	mg/Kg	1	4/27/2009 04:10 PM	
Chromium	23	0.088	1.0	mg/Kg	1	4/27/2009 04:10 PM	
Cobalt	11	0.014	1.0	mg/Kg	1	4/27/2009 04:10 PM	
Copper	28	0.26	2.0	mg/Kg	1	4/27/2009 04:10 PM	
Lead	ND	0.11	1.0	mg/Kg	1	4/27/2009 04:10 PM	
Molybdenum	ND	0.043	1.0	mg/Kg	1	4/27/2009 04:10 PM	
Nickel	18	0.032	1.0	mg/Kg	1	4/27/2009 04:10 PM	
Selenium	ND	0.43	1.0	mg/Kg	1	4/27/2009 04:10 PM	
Silver	ND	0.017	1.0	mg/Kg	1	4/27/2009 04:10 PM	
Thallium	ND	0.23	1.0	mg/Kg	1	4/27/2009 04:10 PM	
Vanadium	57	0.019	1.0	mg/Kg	1	4/27/2009 04:10 PM	
Zinc	55	0.19	1.0	mg/Kg	1	4/27/2009 04:10 PM	

HEXAVALENT CHROMIUM

EPA 7196A

RunID:	WETCHEM3_090423B	QC Batch:	54986	PrepDate:	4/23/2009	Analyst:	MFP
Chromium, Hexavalent	ND	0.074	0.10	mg/Kg	1	4/23/2009	

DIESEL RANGE ORGANICS BY GC/FID LUFT

EPA 8015B(M)

RunID:	GC16_090423E	QC Batch:	54918	PrepDate:	4/22/2009	Analyst:	CBR
DRO	ND	10	10	mg/Kg	1	4/23/2009 10:08 PM	
Surr: p-Terphenyl	86.5	0	57-144	%REC	1	4/23/2009 10:08 PM	

HYDROCARBON CHAIN IDENTIFICATION LUFT

EPA 8015B(M)

RunID:	GC16_090423E	QC Batch:	54918	PrepDate:	4/22/2009	Analyst:	CBR
T/R Hydrocarbons: C13-C22	ND	10	10	mg/Kg	1	4/23/2009 10:08 PM	
T/R Hydrocarbons: C23-C32	ND	10	10	mg/Kg	1	4/23/2009 10:08 PM	
T/R Hydrocarbons:>C32	ND	10	10	mg/Kg	1	4/23/2009 10:08 PM	
Surr: p-Terphenyl	86.5	0	57-144	%REC	1	4/23/2009 10:08 PM	

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
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Advanced Technology Laboratories**ANALYTICAL RESULTS**

Print Date: 01-May-09

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Lab Order: 105139
Project: 207126015
Lab ID: 105139-008A

Client Sample ID: 1001-102-20-S
Collection Date: 4/20/2009 10:00:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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PCBS BY GC/ECD**EPA 3550B****EPA 8082**

RunID: GC5_090422A	QC Batch: 54915			PrepDate: 4/22/2009	Analyst: BB
Aroclor 1016	ND	5.0	16	µg/Kg	1 4/22/2009 08:01 PM
Aroclor 1221	ND	5.0	33	µg/Kg	1 4/22/2009 08:01 PM
Aroclor 1232	ND	5.0	16	µg/Kg	1 4/22/2009 08:01 PM
Aroclor 1242	ND	5.0	16	µg/Kg	1 4/22/2009 08:01 PM
Aroclor 1248	ND	5.0	16	µg/Kg	1 4/22/2009 08:01 PM
Aroclor 1254	ND	5.0	16	µg/Kg	1 4/22/2009 08:01 PM
Aroclor 1260	ND	5.0	16	µg/Kg	1 4/22/2009 08:01 PM
Aroclor 1262	ND	5.0	16	µg/Kg	1 4/22/2009 08:01 PM
Aroclor 1268	ND	5.0	16	µg/Kg	1 4/22/2009 08:01 PM
Surr: Decachlorobiphenyl	78.2	0	30-124	%REC	1 4/22/2009 08:01 PM
Surr: Tetrachloro-m-xylene	88.7	0	40-118	%REC	1 4/22/2009 08:01 PM

MERCURY BY COLD VAPOR TECHNIQUE**EPA 7471A**

RunID: AA5_090422C	QC Batch: 54900			PrepDate: 4/22/2009	Analyst: RQ
Mercury	ND	0.021	0.10	mg/Kg	1 4/22/2009 03:09 PM

SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS**EPA 3550B****EPA 8270C**

RunID: MS 13_090422A	QC Batch: 54911			PrepDate: 4/22/2009	Analyst: DMP
1,2,4-Trichlorobenzene	ND	82	330	µg/Kg	1 4/22/2009 04:49 PM
1,2-Dichlorobenzene	ND	85	330	µg/Kg	1 4/22/2009 04:49 PM
1,3-Dichlorobenzene	ND	74	330	µg/Kg	1 4/22/2009 04:49 PM
1,4-Dichlorobenzene	ND	78	330	µg/Kg	1 4/22/2009 04:49 PM
2,4,5-Trichlorophenol	ND	56	330	µg/Kg	1 4/22/2009 04:49 PM
2,4,6-Trichlorophenol	ND	78	330	µg/Kg	1 4/22/2009 04:49 PM
2,4-Dichlorophenol	ND	87	1600	µg/Kg	1 4/22/2009 04:49 PM
2,4-Dimethylphenol	ND	88	330	µg/Kg	1 4/22/2009 04:49 PM
2,4-Dinitrophenol	ND	45	1600	µg/Kg	1 4/22/2009 04:49 PM
2,4-Dinitrotoluene	ND	67	330	µg/Kg	1 4/22/2009 04:49 PM
2,6-Dinitrotoluene	ND	67	330	µg/Kg	1 4/22/2009 04:49 PM
2-Chloronaphthalene	ND	70	330	µg/Kg	1 4/22/2009 04:49 PM
2-Chlorophenol	ND	89	330	µg/Kg	1 4/22/2009 04:49 PM
2-Methylnaphthalene	ND	78	330	µg/Kg	1 4/22/2009 04:49 PM
2-Methylphenol	ND	96	330	µg/Kg	1 4/22/2009 04:49 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-008A

Client Sample ID: 1001-102-20-S
Collection Date: 4/20/2009 10:00:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3550B

EPA 8270C

RunID: MS 13_090422A	QC Batch: 54911	PrepDate: 4/22/2009	Analyst: DMP
2-Nitroaniline	ND	79	1600
2-Nitrophenol	ND	70	330
3,3'-Dichlorobenzidine	ND	78	660
3-Nitroaniline	ND	60	1600
4,6-Dinitro-2-methylphenol	ND	63	1600
4-Bromophenyl-phenylether	ND	73	330
4-Chloro-3-methylphenol	ND	75	660
4-Chloroaniline	ND	73	660
4-Chlorophenyl-phenylether	ND	70	330
4-Methylphenol	ND	79	330
4-Nitroaniline	ND	60	1600
4-Nitrophenol	ND	71	1600
Acenaphthene	ND	70	330
Acenaphthylene	ND	69	330
Anthracene	ND	76	330
Benzidine (M)	ND	71	1600
Benzo(a)anthracene	ND	69	330
Benzo(a)pyrene	ND	82	330
Benzo(b)fluoranthene	ND	70	330
Benzo(g,h,i)perylene	ND	71	330
Benzo(k)fluoranthene	ND	98	330
Benzoic acid	ND	64	1600
Benzyl alcohol	ND	86	660
Bis(2-chloroethoxy)methane	ND	79	330
Bis(2-chloroethyl)ether	ND	81	330
Bis(2-chloroisopropyl)ether	ND	91	330
Bis(2-ethylhexyl)phthalate	ND	72	330
Butylbenzylphthalate	ND	72	330
Chrysene	ND	79	330
Di-n-butylphthalate	ND	78	330
Di-n-octylphthalate	ND	71	330
Dibenz(a,h)anthracene	ND	83	330
Dibenzofuran	ND	68	330
Diethylphthalate	ND	74	330
Dimethylphthalate	ND	69	330

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
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Collection Date: 4/20/2009 10:00:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3550B

EPA 8270C

RunID: MS 13_090422A	QC Batch: 54911	PrepDate: 4/22/2009	Analyst: DMP
Fluoranthene	ND	73	330
Fluorene	ND	69	330
Hexachlorobenzene	ND	76	330
Hexachlorobutadiene	ND	77	660
Hexachlorocyclopentadiene	ND	80	660
Hexachloroethane	ND	81	330
Indeno(1,2,3-cd)pyrene	ND	69	330
Isophorone	ND	85	330
N-Nitrosodi-n-propylamine	ND	82	330
N-Nitrosodiphenylamine	ND	79	330
Naphthalene	ND	86	330
Nitrobenzene	ND	82	330
Pentachlorophenol	ND	55	1600
Phenanthrene	ND	76	330
Phenol	ND	95	330
Pyrene	ND	77	330
Surr: 1,2-Dichlorobenzene-d4	86.4	0	49-103
Surr: 2,4,6-Tribromophenol	101	0	47-129
Surr: 2-Chlorophenol-d4	98.2	0	54-109
Surr: 2-Fluorobiphenyl	100	0	59-108
Surr: 2-Fluorophenol	96.1	0	50-111
Surr: 4-Terphenyl-d14	125	0	58-135
Surr: Nitrobenzene-d5	93.0	0	54-115
Surr: Phenol-d5	101	0	58-112

PH

EPA 9045C

RunID: WETCHEM_090421B	QC Batch: R108340	PrepDate:	Analyst: DDL
pH	7.8	0.10	0.10

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
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Client Sample ID: 1001-102-20-S
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Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS5_090421B	QC Batch: T09VS103	PrepDate: 4/21/2009	Analyst: HH
1,1,1,2-Tetrachloroethane	ND 0.86	4.5	µg/Kg 1 4/21/2009 06:31 PM
1,1,1-Trichloroethane	ND 1.2	4.5	µg/Kg 1 4/21/2009 06:31 PM
1,1,2,2-Tetrachloroethane	ND 2.8	4.5	µg/Kg 1 4/21/2009 06:31 PM
1,1,2-Trichloroethane	ND 1.1	4.5	µg/Kg 1 4/21/2009 06:31 PM
1,1-Dichloroethane	ND 0.55	4.5	µg/Kg 1 4/21/2009 06:31 PM
1,1-Dichloroethene	ND 0.40	4.5	µg/Kg 1 4/21/2009 06:31 PM
1,1-Dichloropropene	ND 1.9	4.5	µg/Kg 1 4/21/2009 06:31 PM
1,2,3-Trichlorobenzene	ND 3.3	4.5	µg/Kg 1 4/21/2009 06:31 PM
1,2,3-Trichloropropane	ND 2.1	4.5	µg/Kg 1 4/21/2009 06:31 PM
1,2,4-Trichlorobenzene	ND 2.1	4.5	µg/Kg 1 4/21/2009 06:31 PM
1,2,4-Trimethylbenzene	ND 0.93	4.5	µg/Kg 1 4/21/2009 06:31 PM
1,2-Dibromo-3-chloropropane	ND 2.8	9.0	µg/Kg 1 4/21/2009 06:31 PM
1,2-Dibromoethane	ND 0.87	4.5	µg/Kg 1 4/21/2009 06:31 PM
1,2-Dichlorobenzene	ND 1.9	4.5	µg/Kg 1 4/21/2009 06:31 PM
1,2-Dichloroethane	ND 1.7	4.5	µg/Kg 1 4/21/2009 06:31 PM
1,2-Dichloropropane	ND 1.4	4.5	µg/Kg 1 4/21/2009 06:31 PM
1,3,5-Trimethylbenzene	ND 0.70	4.5	µg/Kg 1 4/21/2009 06:31 PM
1,3-Dichlorobenzene	ND 1.5	4.5	µg/Kg 1 4/21/2009 06:31 PM
1,3-Dichloropropane	ND 0.29	4.5	µg/Kg 1 4/21/2009 06:31 PM
1,4-Dichlorobenzene	ND 1.6	4.5	µg/Kg 1 4/21/2009 06:31 PM
2,2-Dichloropropane	ND 0.43	4.5	µg/Kg 1 4/21/2009 06:31 PM
2-Chlorotoluene	ND 0.80	4.5	µg/Kg 1 4/21/2009 06:31 PM
4-Chlorotoluene	ND 1.0	4.5	µg/Kg 1 4/21/2009 06:31 PM
4-Isopropyltoluene	ND 0.99	4.5	µg/Kg 1 4/21/2009 06:31 PM
Benzene	ND 0.57	4.5	µg/Kg 1 4/21/2009 06:31 PM
Bromobenzene	ND 1.1	4.5	µg/Kg 1 4/21/2009 06:31 PM
Bromodichloromethane	ND 1.2	4.5	µg/Kg 1 4/21/2009 06:31 PM
Bromoform	ND 1.8	4.5	µg/Kg 1 4/21/2009 06:31 PM
Bromomethane	ND 0.61	4.5	µg/Kg 1 4/21/2009 06:31 PM
Carbon tetrachloride	ND 1.3	4.5	µg/Kg 1 4/21/2009 06:31 PM
Chlorobenzene	ND 0.58	4.5	µg/Kg 1 4/21/2009 06:31 PM
Chloroethane	ND 0.78	4.5	µg/Kg 1 4/21/2009 06:31 PM
Chloroform	ND 1.3	4.5	µg/Kg 1 4/21/2009 06:31 PM
Chloromethane	ND 0.34	4.5	µg/Kg 1 4/21/2009 06:31 PM
cis-1,2-Dichloroethene	ND 1.6	4.5	µg/Kg 1 4/21/2009 06:31 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
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Project: 207126015
Lab ID: 105139-008B

Client Sample ID: 1001-102-20-S
Collection Date: 4/20/2009 10:00:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS5_090421B	QC Batch: T09VS103	PrepDate: 4/21/2009	Analyst: HH
cis-1,3-Dichloropropene	ND 0.67	4.5	µg/Kg 1 4/21/2009 06:31 PM
Dibromochloromethane	ND 0.65	4.5	µg/Kg 1 4/21/2009 06:31 PM
Dibromomethane	ND 1.1	4.5	µg/Kg 1 4/21/2009 06:31 PM
Dichlorodifluoromethane	ND 0.48	4.5	µg/Kg 1 4/21/2009 06:31 PM
Ethylbenzene	ND 0.29	4.5	µg/Kg 1 4/21/2009 06:31 PM
Hexachlorobutadiene	ND 2.0	4.5	µg/Kg 1 4/21/2009 06:31 PM
Isopropylbenzene	ND 0.51	4.5	µg/Kg 1 4/21/2009 06:31 PM
m,p-Xylene	ND 0.62	9.0	µg/Kg 1 4/21/2009 06:31 PM
Methylene chloride	ND 4.5	4.5	µg/Kg 1 4/21/2009 06:31 PM
n-Butylbenzene	ND 1.1	4.5	µg/Kg 1 4/21/2009 06:31 PM
n-Propylbenzene	ND 0.61	4.5	µg/Kg 1 4/21/2009 06:31 PM
Naphthalene	ND 2.2	4.5	µg/Kg 1 4/21/2009 06:31 PM
o-Xylene	ND 0.45	4.5	µg/Kg 1 4/21/2009 06:31 PM
sec-Butylbenzene	ND 0.93	4.5	µg/Kg 1 4/21/2009 06:31 PM
Styrene	ND 0.54	4.5	µg/Kg 1 4/21/2009 06:31 PM
tert-Butylbenzene	ND 0.93	4.5	µg/Kg 1 4/21/2009 06:31 PM
Tetrachloroethene	ND 0.94	4.5	µg/Kg 1 4/21/2009 06:31 PM
Toluene	ND 0.50	4.5	µg/Kg 1 4/21/2009 06:31 PM
trans-1,2-Dichloroethene	ND 0.47	4.5	µg/Kg 1 4/21/2009 06:31 PM
Trichloroethene	ND 1.4	4.5	µg/Kg 1 4/21/2009 06:31 PM
Trichlorofluoromethane	ND 0.49	4.5	µg/Kg 1 4/21/2009 06:31 PM
Vinyl chloride	ND 0.38	4.5	µg/Kg 1 4/21/2009 06:31 PM
Surr: 1,2-Dichloroethane-d4	108 0	68-147	%REC 1 4/21/2009 06:31 PM
Surr: 4-Bromofluorobenzene	103 0	67-127	%REC 1 4/21/2009 06:31 PM
Surr: Dibromofluoromethane	108 0	72-141	%REC 1 4/21/2009 06:31 PM
Surr: Toluene-d8	113 0	75-120	%REC 1 4/21/2009 06:31 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-008E

Client Sample ID: 1001-102-20-S
Collection Date: 4/20/2009 10:00:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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GASOLINE RANGE ORGANICS BY GC/FID

EPA 8015B(M)

RunID: GC2_090421A	QC Batch: E09VS104	PrepDate: 4/20/2009	Analyst: KHN		
GRO	ND 0.14	0.91	mg/Kg	1	4/21/2009 06:53 PM
Surr: Bromofluorobenzene (FID)	110 0	59-145	%REC	1	4/21/2009 06:53 PM

HYDROCARBON CHAIN IDENTIFICATION

EPA 8015B

RunID: GC2_090421A	QC Batch: E09VS104	PrepDate: 4/20/2009	Analyst: KHN		
T/R Hydrocarbons: C4-C12	ND 0.18	0.91	mg/Kg	1	4/21/2009 06:53 PM
Surr: Bromofluorobenzene (FID)	110 0	59-145	%REC	1	4/21/2009 06:53 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-009A

Client Sample ID: 1001-112-2-S
Collection Date: 4/20/2009 10:30:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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ICP METALS

EPA 3050B

EPA 6010B

RunID:	ICP8_090427F	QC Batch:	54941	PrepDate:	4/23/2009	Analyst:	CL
Antimony	ND	0.28	2.0	mg/Kg	1	4/27/2009 04:13 PM	
Arsenic	ND	0.27	1.0	mg/Kg	1	4/27/2009 04:13 PM	
Barium	170	0.13	1.0	mg/Kg	1	4/27/2009 04:13 PM	
Beryllium	ND	0.055	1.0	mg/Kg	1	4/27/2009 04:13 PM	
Cadmium	1.6	0.0064	1.0	mg/Kg	1	4/27/2009 04:13 PM	
Chromium	22	0.088	1.0	mg/Kg	1	4/27/2009 04:13 PM	
Cobalt	8.4	0.014	1.0	mg/Kg	1	4/27/2009 04:13 PM	
Copper	48	0.26	2.0	mg/Kg	1	4/27/2009 04:13 PM	
Lead	100	0.11	1.0	mg/Kg	1	4/27/2009 04:13 PM	
Molybdenum	ND	0.043	1.0	mg/Kg	1	4/27/2009 04:13 PM	
Nickel	17	0.032	1.0	mg/Kg	1	4/27/2009 04:13 PM	
Selenium	ND	0.43	1.0	mg/Kg	1	4/27/2009 04:13 PM	
Silver	ND	0.017	1.0	mg/Kg	1	4/27/2009 04:13 PM	
Thallium	ND	0.23	1.0	mg/Kg	1	4/27/2009 04:13 PM	
Vanadium	49	0.019	1.0	mg/Kg	1	4/27/2009 04:13 PM	
Zinc	2100	0.19	1.0	mg/Kg	1	4/27/2009 04:13 PM	

HEXAVALENT CHROMIUM

EPA 7196A

RunID:	WETCHEM3_090423B	QC Batch:	54986	PrepDate:	4/23/2009	Analyst:	MFP
Chromium, Hexavalent	ND	0.074	0.10	mg/Kg	1	4/23/2009	

DIESEL RANGE ORGANICS BY GC/FID LUFT

EPA 8015B(M)

RunID:	GC16_090423E	QC Batch:	54918	PrepDate:	4/22/2009	Analyst:	CBR
DRO	ND	10	10	mg/Kg	1	4/23/2009 10:18 PM	
Surr: p-Terphenyl	95.2	0	57-144	%REC	1	4/23/2009 10:18 PM	

HYDROCARBON CHAIN IDENTIFICATION LUFT

EPA 8015B(M)

RunID:	GC16_090423E	QC Batch:	54918	PrepDate:	4/22/2009	Analyst:	CBR
T/R Hydrocarbons: C13-C22	ND	10	10	mg/Kg	1	4/23/2009 10:18 PM	
T/R Hydrocarbons: C23-C32	ND	10	10	mg/Kg	1	4/23/2009 10:18 PM	
T/R Hydrocarbons:>C32	ND	10	10	mg/Kg	1	4/23/2009 10:18 PM	
Surr: p-Terphenyl	95.2	0	57-144	%REC	1	4/23/2009 10:18 PM	

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
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Advanced Technology Laboratories**ANALYTICAL RESULTS**

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-009A

Client Sample ID: 1001-112-2-S
Collection Date: 4/20/2009 10:30:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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PCBS BY GC/ECD**EPA 3550B****EPA 8082**

RunID: GC5_090422A	QC Batch: 54915			PrepDate: 4/22/2009	Analyst: BB
Aroclor 1016	ND	5.0	16	µg/Kg	1 4/22/2009 08:31 PM
Aroclor 1221	ND	5.0	33	µg/Kg	1 4/22/2009 08:31 PM
Aroclor 1232	ND	5.0	16	µg/Kg	1 4/22/2009 08:31 PM
Aroclor 1242	ND	5.0	16	µg/Kg	1 4/22/2009 08:31 PM
Aroclor 1248	ND	5.0	16	µg/Kg	1 4/22/2009 08:31 PM
Aroclor 1254	ND	5.0	16	µg/Kg	1 4/22/2009 08:31 PM
Aroclor 1260	ND	5.0	16	µg/Kg	1 4/22/2009 08:31 PM
Aroclor 1262	ND	5.0	16	µg/Kg	1 4/22/2009 08:31 PM
Aroclor 1268	ND	5.0	16	µg/Kg	1 4/22/2009 08:31 PM
Surr: Decachlorobiphenyl	80.3	0	30-124	%REC	1 4/22/2009 08:31 PM
Surr: Tetrachloro-m-xylene	94.3	0	40-118	%REC	1 4/22/2009 08:31 PM

MERCURY BY COLD VAPOR TECHNIQUE**EPA 7471A**

RunID: AA5_090422C	QC Batch: 54900			PrepDate: 4/22/2009	Analyst: RQ
Mercury	ND	0.021	0.10	mg/Kg	1 4/22/2009 03:11 PM

SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS**EPA 3550B****EPA 8270C**

RunID: MS 13_090422A	QC Batch: 54911			PrepDate: 4/22/2009	Analyst: DMP
1,2,4-Trichlorobenzene	ND	82	330	µg/Kg	1 4/22/2009 06:38 PM
1,2-Dichlorobenzene	ND	85	330	µg/Kg	1 4/22/2009 06:38 PM
1,3-Dichlorobenzene	ND	74	330	µg/Kg	1 4/22/2009 06:38 PM
1,4-Dichlorobenzene	ND	78	330	µg/Kg	1 4/22/2009 06:38 PM
2,4,5-Trichlorophenol	ND	56	330	µg/Kg	1 4/22/2009 06:38 PM
2,4,6-Trichlorophenol	ND	78	330	µg/Kg	1 4/22/2009 06:38 PM
2,4-Dichlorophenol	ND	87	1600	µg/Kg	1 4/22/2009 06:38 PM
2,4-Dimethylphenol	ND	88	330	µg/Kg	1 4/22/2009 06:38 PM
2,4-Dinitrophenol	ND	45	1600	µg/Kg	1 4/22/2009 06:38 PM
2,4-Dinitrotoluene	ND	67	330	µg/Kg	1 4/22/2009 06:38 PM
2,6-Dinitrotoluene	ND	67	330	µg/Kg	1 4/22/2009 06:38 PM
2-Chloronaphthalene	ND	70	330	µg/Kg	1 4/22/2009 06:38 PM
2-Chlorophenol	ND	89	330	µg/Kg	1 4/22/2009 06:38 PM
2-Methylnaphthalene	ND	78	330	µg/Kg	1 4/22/2009 06:38 PM
2-Methylphenol	ND	96	330	µg/Kg	1 4/22/2009 06:38 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-009A

Client Sample ID: 1001-112-2-S
Collection Date: 4/20/2009 10:30:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3550B

EPA 8270C

RunID: MS 13_090422A	QC Batch: 54911	PrepDate: 4/22/2009	Analyst: DMP			
2-Nitroaniline	ND	79	1600	µg/Kg	1	4/22/2009 06:38 PM
2-Nitrophenol	ND	70	330	µg/Kg	1	4/22/2009 06:38 PM
3,3'-Dichlorobenzidine	ND	78	660	µg/Kg	1	4/22/2009 06:38 PM
3-Nitroaniline	ND	60	1600	µg/Kg	1	4/22/2009 06:38 PM
4,6-Dinitro-2-methylphenol	ND	63	1600	µg/Kg	1	4/22/2009 06:38 PM
4-Bromophenyl-phenylether	ND	73	330	µg/Kg	1	4/22/2009 06:38 PM
4-Chloro-3-methylphenol	ND	75	660	µg/Kg	1	4/22/2009 06:38 PM
4-Chloroaniline	ND	73	660	µg/Kg	1	4/22/2009 06:38 PM
4-Chlorophenyl-phenylether	ND	70	330	µg/Kg	1	4/22/2009 06:38 PM
4-Methylphenol	ND	79	330	µg/Kg	1	4/22/2009 06:38 PM
4-Nitroaniline	ND	60	1600	µg/Kg	1	4/22/2009 06:38 PM
4-Nitrophenol	ND	71	1600	µg/Kg	1	4/22/2009 06:38 PM
Acenaphthene	ND	70	330	µg/Kg	1	4/22/2009 06:38 PM
Acenaphthylene	ND	69	330	µg/Kg	1	4/22/2009 06:38 PM
Anthracene	ND	76	330	µg/Kg	1	4/22/2009 06:38 PM
Benzdine (M)	ND	71	1600	µg/Kg	1	4/22/2009 06:38 PM
Benzo(a)anthracene	ND	69	330	µg/Kg	1	4/22/2009 06:38 PM
Benzo(a)pyrene	ND	82	330	µg/Kg	1	4/22/2009 06:38 PM
Benzo(b)fluoranthene	ND	70	330	µg/Kg	1	4/22/2009 06:38 PM
Benzo(g,h,i)perylene	ND	71	330	µg/Kg	1	4/22/2009 06:38 PM
Benzo(k)fluoranthene	ND	98	330	µg/Kg	1	4/22/2009 06:38 PM
Benzoic acid	ND	64	1600	µg/Kg	1	4/22/2009 06:38 PM
Benzyl alcohol	ND	86	660	µg/Kg	1	4/22/2009 06:38 PM
Bis(2-chloroethoxy)methane	ND	79	330	µg/Kg	1	4/22/2009 06:38 PM
Bis(2-chloroethyl)ether	ND	81	330	µg/Kg	1	4/22/2009 06:38 PM
Bis(2-chloroisopropyl)ether	ND	91	330	µg/Kg	1	4/22/2009 06:38 PM
Bis(2-ethylhexyl)phthalate	ND	72	330	µg/Kg	1	4/22/2009 06:38 PM
Butylbenzylphthalate	ND	72	330	µg/Kg	1	4/22/2009 06:38 PM
Chrysene	ND	79	330	µg/Kg	1	4/22/2009 06:38 PM
Di-n-butylphthalate	ND	78	330	µg/Kg	1	4/22/2009 06:38 PM
Di-n-octylphthalate	ND	71	330	µg/Kg	1	4/22/2009 06:38 PM
Dibenz(a,h)anthracene	ND	83	330	µg/Kg	1	4/22/2009 06:38 PM
Dibenzofuran	ND	68	330	µg/Kg	1	4/22/2009 06:38 PM
Diethylphthalate	ND	74	330	µg/Kg	1	4/22/2009 06:38 PM
Dimethylphthalate	ND	69	330	µg/Kg	1	4/22/2009 06:38 PM

Qualifiers: B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interference
DO Surrogate Diluted Out
E Value above quantitation range
ND Not Detected at the Reporting Limit
Results are wet unless otherwise specified



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-009A

Client Sample ID: 1001-112-2-S
Collection Date: 4/20/2009 10:30:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3550B

EPA 8270C

RunID: MS 13_090422A	QC Batch: 54911	PrepDate: 4/22/2009	Analyst: DMP
Fluoranthene	ND	73	330
Fluorene	ND	69	330
Hexachlorobenzene	ND	76	330
Hexachlorobutadiene	ND	77	660
Hexachlorocyclopentadiene	ND	80	660
Hexachloroethane	ND	81	330
Indeno(1,2,3-cd)pyrene	ND	69	330
Isophorone	ND	85	330
N-Nitrosodi-n-propylamine	ND	82	330
N-Nitrosodiphenylamine	ND	79	330
Naphthalene	ND	86	330
Nitrobenzene	ND	82	330
Pentachlorophenol	ND	55	1600
Phenanthrene	ND	76	330
Phenol	ND	95	330
Pyrene	ND	77	330
Surr: 1,2-Dichlorobenzene-d4	83.0	0	49-103
Surr: 2,4,6-Tribromophenol	94.5	0	47-129
Surr: 2-Chlorophenol-d4	94.5	0	54-109
Surr: 2-Fluorobiphenyl	95.4	0	59-108
Surr: 2-Fluorophenol	92.8	0	50-111
Surr: 4-Terphenyl-d14	120	0	58-135
Surr: Nitrobenzene-d5	89.9	0	54-115
Surr: Phenol-d5	98.0	0	58-112

PH

EPA 9045C

RunID: WETCHEM_090421B	QC Batch: R108340	PrepDate:	Analyst: DDL
pH	7.9	0.10	0.10

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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Print Date: 01-May-09

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Client Sample ID: 1001-112-2-S
Collection Date: 4/20/2009 10:30:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS5_090421B	QC Batch: T09VS103	PrepDate: 4/21/2009	Analyst: HH			
1,1,1,2-Tetrachloroethane	ND	1.1	5.5	µg/Kg	1	4/21/2009 06:50 PM
1,1,1-Trichloroethane	ND	1.5	5.5	µg/Kg	1	4/21/2009 06:50 PM
1,1,2,2-Tetrachloroethane	ND	3.4	5.5	µg/Kg	1	4/21/2009 06:50 PM
1,1,2-Trichloroethane	ND	1.4	5.5	µg/Kg	1	4/21/2009 06:50 PM
1,1-Dichloroethane	ND	0.67	5.5	µg/Kg	1	4/21/2009 06:50 PM
1,1-Dichloroethene	ND	0.50	5.5	µg/Kg	1	4/21/2009 06:50 PM
1,1-Dichloropropene	ND	2.3	5.5	µg/Kg	1	4/21/2009 06:50 PM
1,2,3-Trichlorobenzene	ND	4.1	5.5	µg/Kg	1	4/21/2009 06:50 PM
1,2,3-Trichloropropane	ND	2.5	5.5	µg/Kg	1	4/21/2009 06:50 PM
1,2,4-Trichlorobenzene	ND	2.6	5.5	µg/Kg	1	4/21/2009 06:50 PM
1,2,4-Trimethylbenzene	ND	1.1	5.5	µg/Kg	1	4/21/2009 06:50 PM
1,2-Dibromo-3-chloropropane	ND	3.5	11	µg/Kg	1	4/21/2009 06:50 PM
1,2-Dibromoethane	ND	1.1	5.5	µg/Kg	1	4/21/2009 06:50 PM
1,2-Dichlorobenzene	ND	2.3	5.5	µg/Kg	1	4/21/2009 06:50 PM
1,2-Dichloroethane	ND	2.0	5.5	µg/Kg	1	4/21/2009 06:50 PM
1,2-Dichloropropane	ND	1.7	5.5	µg/Kg	1	4/21/2009 06:50 PM
1,3,5-Trimethylbenzene	ND	0.86	5.5	µg/Kg	1	4/21/2009 06:50 PM
1,3-Dichlorobenzene	ND	1.9	5.5	µg/Kg	1	4/21/2009 06:50 PM
1,3-Dichloropropane	ND	0.35	5.5	µg/Kg	1	4/21/2009 06:50 PM
1,4-Dichlorobenzene	ND	2.0	5.5	µg/Kg	1	4/21/2009 06:50 PM
2,2-Dichloropropane	ND	0.53	5.5	µg/Kg	1	4/21/2009 06:50 PM
2-Chlorotoluene	ND	0.98	5.5	µg/Kg	1	4/21/2009 06:50 PM
4-Chlorotoluene	ND	1.2	5.5	µg/Kg	1	4/21/2009 06:50 PM
4-Isopropyltoluene	ND	1.2	5.5	µg/Kg	1	4/21/2009 06:50 PM
Benzene	ND	0.70	5.5	µg/Kg	1	4/21/2009 06:50 PM
Bromobenzene	ND	1.4	5.5	µg/Kg	1	4/21/2009 06:50 PM
Bromodichloromethane	ND	1.5	5.5	µg/Kg	1	4/21/2009 06:50 PM
Bromoform	ND	2.2	5.5	µg/Kg	1	4/21/2009 06:50 PM
Bromomethane	ND	0.75	5.5	µg/Kg	1	4/21/2009 06:50 PM
Carbon tetrachloride	ND	1.5	5.5	µg/Kg	1	4/21/2009 06:50 PM
Chlorobenzene	ND	0.72	5.5	µg/Kg	1	4/21/2009 06:50 PM
Chloroethane	ND	0.96	5.5	µg/Kg	1	4/21/2009 06:50 PM
Chloroform	ND	1.6	5.5	µg/Kg	1	4/21/2009 06:50 PM
Chloromethane	ND	0.42	5.5	µg/Kg	1	4/21/2009 06:50 PM
cis-1,2-Dichloroethene	ND	2.0	5.5	µg/Kg	1	4/21/2009 06:50 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
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CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-009B

Client Sample ID: 1001-112-2-S
Collection Date: 4/20/2009 10:30:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS5_090421B	QC Batch: T09VS103	PrepDate: 4/21/2009	Analyst: HH
cis-1,3-Dichloropropene	ND 0.83	5.5	µg/Kg 1 4/21/2009 06:50 PM
Dibromochloromethane	ND 0.79	5.5	µg/Kg 1 4/21/2009 06:50 PM
Dibromomethane	ND 1.3	5.5	µg/Kg 1 4/21/2009 06:50 PM
Dichlorodifluoromethane	ND 0.59	5.5	µg/Kg 1 4/21/2009 06:50 PM
Ethylbenzene	ND 0.35	5.5	µg/Kg 1 4/21/2009 06:50 PM
Hexachlorobutadiene	ND 2.5	5.5	µg/Kg 1 4/21/2009 06:50 PM
Isopropylbenzene	ND 0.63	5.5	µg/Kg 1 4/21/2009 06:50 PM
m,p-Xylene	ND 0.76	11	µg/Kg 1 4/21/2009 06:50 PM
Methylene chloride	ND 5.5	5.5	µg/Kg 1 4/21/2009 06:50 PM
n-Butylbenzene	ND 1.3	5.5	µg/Kg 1 4/21/2009 06:50 PM
n-Propylbenzene	ND 0.75	5.5	µg/Kg 1 4/21/2009 06:50 PM
Naphthalene	ND 2.8	5.5	µg/Kg 1 4/21/2009 06:50 PM
o-Xylene	ND 0.55	5.5	µg/Kg 1 4/21/2009 06:50 PM
sec-Butylbenzene	ND 1.1	5.5	µg/Kg 1 4/21/2009 06:50 PM
Styrene	ND 0.66	5.5	µg/Kg 1 4/21/2009 06:50 PM
tert-Butylbenzene	ND 1.1	5.5	µg/Kg 1 4/21/2009 06:50 PM
Tetrachloroethene	63 1.2	5.5	µg/Kg 1 4/21/2009 06:50 PM
Toluene	ND 0.62	5.5	µg/Kg 1 4/21/2009 06:50 PM
trans-1,2-Dichloroethene	ND 0.58	5.5	µg/Kg 1 4/21/2009 06:50 PM
Trichloroethene	ND 1.7	5.5	µg/Kg 1 4/21/2009 06:50 PM
Trichlorofluoromethane	ND 0.61	5.5	µg/Kg 1 4/21/2009 06:50 PM
Vinyl chloride	ND 0.46	5.5	µg/Kg 1 4/21/2009 06:50 PM
Surr: 1,2-Dichloroethane-d4	116 0	68-147	%REC 1 4/21/2009 06:50 PM
Surr: 4-Bromofluorobenzene	101 0	67-127	%REC 1 4/21/2009 06:50 PM
Surr: Dibromofluoromethane	117 0	72-141	%REC 1 4/21/2009 06:50 PM
Surr: Toluene-d8	118 0	75-120	%REC 1 4/21/2009 06:50 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-009E

Client Sample ID: 1001-112-2-S
Collection Date: 4/20/2009 10:30:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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GASOLINE RANGE ORGANICS BY GC/FID

EPA 8015B(M)

RunID: GC2_090421A	QC Batch: E09VS104	PrepDate: 4/20/2009	Analyst: KHN			
GRO	ND	0.15	1.0	mg/Kg	1	4/21/2009 07:08 PM
Surr: Bromofluorobenzene (FID)	92.0	0	59-145	%REC	1	4/21/2009 07:08 PM

HYDROCARBON CHAIN IDENTIFICATION

EPA 8015B

RunID: GC2_090421A	QC Batch: E09VS104	PrepDate: 4/20/2009	Analyst: KHN			
T/R Hydrocarbons: C4-C12	ND	0.19	1.0	mg/Kg	1	4/21/2009 07:08 PM
Surr: Bromofluorobenzene (FID)	92.0	0	59-145	%REC	1	4/21/2009 07:08 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
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Advanced Technology Laboratories**ANALYTICAL RESULTS**

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-010A

Client Sample ID: 1001-112-5-S
Collection Date: 4/20/2009 10:35:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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ICP METALS**EPA 3050B****EPA 6010B**

RunID: ICP8_090427F	QC Batch: 54941	PrepDate: 4/23/2009	Analyst: CL			
Antimony	ND	0.28	2.0	mg/Kg	1	4/27/2009 04:15 PM
Arsenic	ND	0.27	1.0	mg/Kg	1	4/27/2009 04:15 PM
Barium	120	0.13	1.0	mg/Kg	1	4/27/2009 04:15 PM
Beryllium	ND	0.055	1.0	mg/Kg	1	4/27/2009 04:15 PM
Cadmium	ND	0.0064	1.0	mg/Kg	1	4/27/2009 04:15 PM
Chromium	16	0.088	1.0	mg/Kg	1	4/27/2009 04:15 PM
Cobalt	6.7	0.014	1.0	mg/Kg	1	4/27/2009 04:15 PM
Copper	16	0.26	2.0	mg/Kg	1	4/27/2009 04:15 PM
Lead	ND	0.11	1.0	mg/Kg	1	4/27/2009 04:15 PM
Molybdenum	ND	0.043	1.0	mg/Kg	1	4/27/2009 04:15 PM
Nickel	12	0.032	1.0	mg/Kg	1	4/27/2009 04:15 PM
Selenium	ND	0.43	1.0	mg/Kg	1	4/27/2009 04:15 PM
Silver	ND	0.017	1.0	mg/Kg	1	4/27/2009 04:15 PM
Thallium	ND	0.23	1.0	mg/Kg	1	4/27/2009 04:15 PM
Vanadium	43	0.019	1.0	mg/Kg	1	4/27/2009 04:15 PM
Zinc	38	0.19	1.0	mg/Kg	1	4/27/2009 04:15 PM

HEXAVALENT CHROMIUM**EPA 7196A**

RunID: WETCHEM3_090423B	QC Batch: 54986	PrepDate: 4/23/2009	Analyst: MFP			
Chromium, Hexavalent	ND	0.074	0.10	mg/Kg	1	4/23/2009

**DIESEL RANGE ORGANICS BY GC/FID
LUFT****EPA 8015B(M)**

RunID: GC16_090423E	QC Batch: 54918	PrepDate: 4/22/2009	Analyst: CBR			
DRO	11	10	10	mg/Kg	1	4/23/2009 09:59 PM
Surr: p-Terphenyl	88.8	0	57-144	%REC	1	4/23/2009 09:59 PM

**HYDROCARBON CHAIN IDENTIFICATION
LUFT****EPA 8015B(M)**

RunID: GC16_090423E	QC Batch: 54918	PrepDate: 4/22/2009	Analyst: CBR			
T/R Hydrocarbons: C13-C22	ND	10	10	mg/Kg	1	4/23/2009 09:59 PM
T/R Hydrocarbons: C23-C32	ND	10	10	mg/Kg	1	4/23/2009 09:59 PM
T/R Hydrocarbons:>C32	ND	10	10	mg/Kg	1	4/23/2009 09:59 PM
Surr: p-Terphenyl	88.8	0	57-144	%REC	1	4/23/2009 09:59 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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Advanced Technology Laboratories**ANALYTICAL RESULTS**

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-010A

Client Sample ID: 1001-112-5-S
Collection Date: 4/20/2009 10:35:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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PCBS BY GC/ECD**EPA 3550B****EPA 8082**

RunID: GC5_090422A	QC Batch: 54915			PrepDate: 4/22/2009	Analyst: BB
Aroclor 1016	ND	5.0	16	µg/Kg	1 4/22/2009 03:33 PM
Aroclor 1221	ND	5.0	33	µg/Kg	1 4/22/2009 03:33 PM
Aroclor 1232	ND	5.0	16	µg/Kg	1 4/22/2009 03:33 PM
Aroclor 1242	ND	5.0	16	µg/Kg	1 4/22/2009 03:33 PM
Aroclor 1248	ND	5.0	16	µg/Kg	1 4/22/2009 03:33 PM
Aroclor 1254	ND	5.0	16	µg/Kg	1 4/22/2009 03:33 PM
Aroclor 1260	ND	5.0	16	µg/Kg	1 4/22/2009 03:33 PM
Aroclor 1262	ND	5.0	16	µg/Kg	1 4/22/2009 03:33 PM
Aroclor 1268	ND	5.0	16	µg/Kg	1 4/22/2009 03:33 PM
Surr: Decachlorobiphenyl	80.6	0	30-124	%REC	1 4/22/2009 03:33 PM
Surr: Tetrachloro-m-xylene	89.0	0	40-118	%REC	1 4/22/2009 03:33 PM

MERCURY BY COLD VAPOR TECHNIQUE**EPA 7471A**

RunID: AA5_090422C	QC Batch: 54900			PrepDate: 4/22/2009	Analyst: RQ
Mercury	ND	0.021	0.10	mg/Kg	1 4/22/2009 02:47 PM

SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS**EPA 3550B****EPA 8270C**

RunID: MS 13_090422A	QC Batch: 54911			PrepDate: 4/22/2009	Analyst: DMP
1,2,4-Trichlorobenzene	ND	82	330	µg/Kg	1 4/22/2009 07:06 PM
1,2-Dichlorobenzene	ND	85	330	µg/Kg	1 4/22/2009 07:06 PM
1,3-Dichlorobenzene	ND	74	330	µg/Kg	1 4/22/2009 07:06 PM
1,4-Dichlorobenzene	ND	78	330	µg/Kg	1 4/22/2009 07:06 PM
2,4,5-Trichlorophenol	ND	56	330	µg/Kg	1 4/22/2009 07:06 PM
2,4,6-Trichlorophenol	ND	78	330	µg/Kg	1 4/22/2009 07:06 PM
2,4-Dichlorophenol	ND	87	1600	µg/Kg	1 4/22/2009 07:06 PM
2,4-Dimethylphenol	ND	88	330	µg/Kg	1 4/22/2009 07:06 PM
2,4-Dinitrophenol	ND	45	1600	µg/Kg	1 4/22/2009 07:06 PM
2,4-Dinitrotoluene	ND	67	330	µg/Kg	1 4/22/2009 07:06 PM
2,6-Dinitrotoluene	ND	67	330	µg/Kg	1 4/22/2009 07:06 PM
2-Chloronaphthalene	ND	70	330	µg/Kg	1 4/22/2009 07:06 PM
2-Chlorophenol	ND	89	330	µg/Kg	1 4/22/2009 07:06 PM
2-Methylnaphthalene	ND	78	330	µg/Kg	1 4/22/2009 07:06 PM
2-Methylphenol	ND	96	330	µg/Kg	1 4/22/2009 07:06 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
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ANALYTICAL RESULTS

Print Date: 01-May-09

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Lab Order: 105139
Project: 207126015
Lab ID: 105139-010A

Client Sample ID: 1001-112-5-S
Collection Date: 4/20/2009 10:35:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3550B

EPA 8270C

RunID: MS 13_090422A	QC Batch: 54911	PrepDate: 4/22/2009	Analyst: DMP
2-Nitroaniline	ND	79	1600
2-Nitrophenol	ND	70	330
3,3'-Dichlorobenzidine	ND	78	660
3-Nitroaniline	ND	60	1600
4,6-Dinitro-2-methylphenol	ND	63	1600
4-Bromophenyl-phenylether	ND	73	330
4-Chloro-3-methylphenol	ND	75	660
4-Chloroaniline	ND	73	660
4-Chlorophenyl-phenylether	ND	70	330
4-Methylphenol	ND	79	330
4-Nitroaniline	ND	60	1600
4-Nitrophenol	ND	71	1600
Acenaphthene	ND	70	330
Acenaphthylene	ND	69	330
Anthracene	ND	76	330
Benzidine (M)	ND	71	1600
Benzo(a)anthracene	ND	69	330
Benzo(a)pyrene	ND	82	330
Benzo(b)fluoranthene	ND	70	330
Benzo(g,h,i)perylene	ND	71	330
Benzo(k)fluoranthene	ND	98	330
Benzoic acid	ND	64	1600
Benzyl alcohol	ND	86	660
Bis(2-chloroethoxy)methane	ND	79	330
Bis(2-chloroethyl)ether	ND	81	330
Bis(2-chloroisopropyl)ether	ND	91	330
Bis(2-ethylhexyl)phthalate	ND	72	330
Butylbenzylphthalate	ND	72	330
Chrysene	ND	79	330
Di-n-butylphthalate	ND	78	330
Di-n-octylphthalate	ND	71	330
Dibenz(a,h)anthracene	ND	83	330
Dibenzofuran	ND	68	330
Diethylphthalate	ND	74	330
Dimethylphthalate	ND	69	330

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
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Lab Order: 105139
Project: 207126015
Lab ID: 105139-010A

Client Sample ID: 1001-112-5-S
Collection Date: 4/20/2009 10:35:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3550B

EPA 8270C

RunID: MS 13_090422A	QC Batch: 54911	PrepDate: 4/22/2009	Analyst: DMP
Fluoranthene	ND	73	330
Fluorene	ND	69	330
Hexachlorobenzene	ND	76	330
Hexachlorobutadiene	ND	77	660
Hexachlorocyclopentadiene	ND	80	660
Hexachloroethane	ND	81	330
Indeno(1,2,3-cd)pyrene	ND	69	330
Isophorone	ND	85	330
N-Nitrosodi-n-propylamine	ND	82	330
N-Nitrosodiphenylamine	ND	79	330
Naphthalene	ND	86	330
Nitrobenzene	ND	82	330
Pentachlorophenol	ND	55	1600
Phenanthrene	ND	76	330
Phenol	ND	95	330
Pyrene	ND	77	330
Surr: 1,2-Dichlorobenzene-d4	83.6	0	49-103
Surr: 2,4,6-Tribromophenol	94.2	0	47-129
Surr: 2-Chlorophenol-d4	93.5	0	54-109
Surr: 2-Fluorobiphenyl	93.4	0	59-108
Surr: 2-Fluorophenol	92.8	0	50-111
Surr: 4-Terphenyl-d14	118	0	58-135
Surr: Nitrobenzene-d5	88.7	0	54-115
Surr: Phenol-d5	97.1	0	58-112

PH

EPA 9045C

RunID: WETCHEM_090421B	QC Batch: R108340	PrepDate:	Analyst: DDL
pH	7.7	0.10	0.10

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
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Lab Order: 105139
Project: 207126015
Lab ID: 105139-010C

Client Sample ID: 1001-112-5-S
Collection Date: 4/20/2009 10:35:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS5_090422A	QC Batch: T09VS104	PrepDate: 4/22/2009	Analyst: HH
1,1,1,2-Tetrachloroethane	ND 0.87	4.5	µg/Kg 1 4/22/2009 03:25 PM
1,1,1-Trichloroethane	ND 1.2	4.5	µg/Kg 1 4/22/2009 03:25 PM
1,1,2,2-Tetrachloroethane	ND 2.8	4.5	µg/Kg 1 4/22/2009 03:25 PM
1,1,2-Trichloroethane	ND 1.1	4.5	µg/Kg 1 4/22/2009 03:25 PM
1,1-Dichloroethane	ND 0.55	4.5	µg/Kg 1 4/22/2009 03:25 PM
1,1-Dichloroethene	ND 0.41	4.5	µg/Kg 1 4/22/2009 03:25 PM
1,1-Dichloropropene	ND 1.9	4.5	µg/Kg 1 4/22/2009 03:25 PM
1,2,3-Trichlorobenzene	ND 3.4	4.5	µg/Kg 1 4/22/2009 03:25 PM
1,2,3-Trichloropropane	ND 2.1	4.5	µg/Kg 1 4/22/2009 03:25 PM
1,2,4-Trichlorobenzene	ND 2.1	4.5	µg/Kg 1 4/22/2009 03:25 PM
1,2,4-Trimethylbenzene	ND 0.94	4.5	µg/Kg 1 4/22/2009 03:25 PM
1,2-Dibromo-3-chloropropane	ND 2.9	9.1	µg/Kg 1 4/22/2009 03:25 PM
1,2-Dibromoethane	ND 0.88	4.5	µg/Kg 1 4/22/2009 03:25 PM
1,2-Dichlorobenzene	ND 1.9	4.5	µg/Kg 1 4/22/2009 03:25 PM
1,2-Dichloroethane	ND 1.7	4.5	µg/Kg 1 4/22/2009 03:25 PM
1,2-Dichloropropane	ND 1.4	4.5	µg/Kg 1 4/22/2009 03:25 PM
1,3,5-Trimethylbenzene	ND 0.71	4.5	µg/Kg 1 4/22/2009 03:25 PM
1,3-Dichlorobenzene	ND 1.5	4.5	µg/Kg 1 4/22/2009 03:25 PM
1,3-Dichloropropane	ND 0.29	4.5	µg/Kg 1 4/22/2009 03:25 PM
1,4-Dichlorobenzene	ND 1.6	4.5	µg/Kg 1 4/22/2009 03:25 PM
2,2-Dichloropropane	ND 0.43	4.5	µg/Kg 1 4/22/2009 03:25 PM
2-Chlorotoluene	ND 0.81	4.5	µg/Kg 1 4/22/2009 03:25 PM
4-Chlorotoluene	ND 1.0	4.5	µg/Kg 1 4/22/2009 03:25 PM
4-Isopropyltoluene	ND 1.0	4.5	µg/Kg 1 4/22/2009 03:25 PM
Benzene	ND 0.58	4.5	µg/Kg 1 4/22/2009 03:25 PM
Bromobenzene	ND 1.2	4.5	µg/Kg 1 4/22/2009 03:25 PM
Bromodichloromethane	ND 1.2	4.5	µg/Kg 1 4/22/2009 03:25 PM
Bromoform	ND 1.8	4.5	µg/Kg 1 4/22/2009 03:25 PM
Bromomethane	ND 0.62	4.5	µg/Kg 1 4/22/2009 03:25 PM
Carbon tetrachloride	ND 1.3	4.5	µg/Kg 1 4/22/2009 03:25 PM
Chlorobenzene	ND 0.59	4.5	µg/Kg 1 4/22/2009 03:25 PM
Chloroethane	ND 0.79	4.5	µg/Kg 1 4/22/2009 03:25 PM
Chloroform	ND 1.3	4.5	µg/Kg 1 4/22/2009 03:25 PM
Chloromethane	ND 0.34	4.5	µg/Kg 1 4/22/2009 03:25 PM
cis-1,2-Dichloroethene	ND 1.6	4.5	µg/Kg 1 4/22/2009 03:25 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-010C

Client Sample ID: 1001-112-5-S
Collection Date: 4/20/2009 10:35:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS5_090422A	QC Batch: T09VS104	PrepDate: 4/22/2009	Analyst: HH
cis-1,3-Dichloropropene	ND 0.68	4.5	µg/Kg 1 4/22/2009 03:25 PM
Dibromochloromethane	ND 0.65	4.5	µg/Kg 1 4/22/2009 03:25 PM
Dibromomethane	ND 1.1	4.5	µg/Kg 1 4/22/2009 03:25 PM
Dichlorodifluoromethane	ND 0.49	4.5	µg/Kg 1 4/22/2009 03:25 PM
Ethylbenzene	ND 0.29	4.5	µg/Kg 1 4/22/2009 03:25 PM
Hexachlorobutadiene	ND 2.0	4.5	µg/Kg 1 4/22/2009 03:25 PM
Isopropylbenzene	ND 0.52	4.5	µg/Kg 1 4/22/2009 03:25 PM
m,p-Xylene	ND 0.63	9.1	µg/Kg 1 4/22/2009 03:25 PM
Methylene chloride	ND 4.5	4.5	µg/Kg 1 4/22/2009 03:25 PM
n-Butylbenzene	ND 1.1	4.5	µg/Kg 1 4/22/2009 03:25 PM
n-Propylbenzene	ND 0.62	4.5	µg/Kg 1 4/22/2009 03:25 PM
Naphthalene	ND 2.3	4.5	µg/Kg 1 4/22/2009 03:25 PM
o-Xylene	ND 0.45	4.5	µg/Kg 1 4/22/2009 03:25 PM
sec-Butylbenzene	ND 0.94	4.5	µg/Kg 1 4/22/2009 03:25 PM
Styrene	ND 0.54	4.5	µg/Kg 1 4/22/2009 03:25 PM
tert-Butylbenzene	ND 0.94	4.5	µg/Kg 1 4/22/2009 03:25 PM
Tetrachloroethene	7.3 0.95	4.5	µg/Kg 1 4/22/2009 03:25 PM
Toluene	ND 0.51	4.5	µg/Kg 1 4/22/2009 03:25 PM
trans-1,2-Dichloroethene	ND 0.48	4.5	µg/Kg 1 4/22/2009 03:25 PM
Trichloroethene	ND 1.4	4.5	µg/Kg 1 4/22/2009 03:25 PM
Trichlorofluoromethane	ND 0.50	4.5	µg/Kg 1 4/22/2009 03:25 PM
Vinyl chloride	ND 0.38	4.5	µg/Kg 1 4/22/2009 03:25 PM
Surr: 1,2-Dichloroethane-d4	117 0	68-147	%REC 1 4/22/2009 03:25 PM
Surr: 4-Bromofluorobenzene	101 0	67-127	%REC 1 4/22/2009 03:25 PM
Surr: Dibromofluoromethane	117 0	72-141	%REC 1 4/22/2009 03:25 PM
Surr: Toluene-d8	117 0	75-120	%REC 1 4/22/2009 03:25 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-010E

Client Sample ID: 1001-112-5-S
Collection Date: 4/20/2009 10:35:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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GASOLINE RANGE ORGANICS BY GC/FID

EPA 8015B(M)

RunID: GC2_090421A	QC Batch: E09VS104	PrepDate: 4/20/2009	Analyst: KHN		
GRO	ND 0.14	0.93	mg/Kg	1	4/21/2009 07:24 PM
Surr: Bromofluorobenzene (FID)	104 0	59-145	%REC	1	4/21/2009 07:24 PM

HYDROCARBON CHAIN IDENTIFICATION

EPA 8015B

RunID: GC2_090421A	QC Batch: E09VS104	PrepDate: 4/20/2009	Analyst: KHN		
T/R Hydrocarbons: C4-C12	ND 0.18	0.93	mg/Kg	1	4/21/2009 07:24 PM
Surr: Bromofluorobenzene (FID)	104 0	59-145	%REC	1	4/21/2009 07:24 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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Advanced Technology Laboratories**ANALYTICAL RESULTS**

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-011A

Client Sample ID: 1001-112-10-S
Collection Date: 4/20/2009 10:40:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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ICP METALS**EPA 3050B****EPA 6010B**

RunID: ICP8_090424H	QC Batch: 54942	PrepDate: 4/23/2009	Analyst: CL
Antimony	ND 0.28	2.0	mg/Kg 1 4/24/2009 07:27 PM
Arsenic	ND 0.27	1.0	mg/Kg 1 4/24/2009 07:27 PM
Barium	79 0.13	1.0	mg/Kg 1 4/24/2009 07:27 PM
Beryllium	ND 0.055	1.0	mg/Kg 1 4/24/2009 07:27 PM
Cadmium	ND 0.0064	1.0	mg/Kg 1 4/24/2009 07:27 PM
Chromium	8.5 0.088	1.0	mg/Kg 1 4/24/2009 07:27 PM
Cobalt	3.8 0.014	1.0	mg/Kg 1 4/24/2009 07:27 PM
Copper	11 0.26	2.0	mg/Kg 1 4/24/2009 07:27 PM
Lead	ND 0.11	1.0	mg/Kg 1 4/24/2009 07:27 PM
Molybdenum	ND 0.043	1.0	mg/Kg 1 4/24/2009 07:27 PM
Nickel	5.8 0.032	1.0	mg/Kg 1 4/24/2009 07:27 PM
Selenium	ND 0.43	1.0	mg/Kg 1 4/24/2009 07:27 PM
Silver	ND 0.017	1.0	mg/Kg 1 4/24/2009 07:27 PM
Thallium	ND 0.23	1.0	mg/Kg 1 4/24/2009 07:27 PM
Vanadium	25 0.019	1.0	mg/Kg 1 4/24/2009 07:27 PM
Zinc	28 0.19	1.0	mg/Kg 1 4/24/2009 07:27 PM

HEXAVALENT CHROMIUM**EPA 7196A**

RunID: WETCHEM3_090424C	QC Batch: 54996	PrepDate: 4/23/2009	Analyst: CBB
Chromium, Hexavalent	ND 0.074	0.10	mg/Kg 1 4/24/2009

**DIESEL RANGE ORGANICS BY GC/FID
LUFT****EPA 8015B(M)**

RunID: GC16_090425A	QC Batch: 54919	PrepDate: 4/22/2009	Analyst: CBR
DRO	42 10	10	mg/Kg 1 4/25/2009 01:56 PM
Surr: p-Terphenyl	101 0	57-144	%REC 1 4/25/2009 01:56 PM

**HYDROCARBON CHAIN IDENTIFICATION
LUFT****EPA 8015B(M)**

RunID: GC16_090425A	QC Batch: 54919	PrepDate: 4/22/2009	Analyst: CBR
T/R Hydrocarbons: C13-C22	22 10	10	mg/Kg 1 4/25/2009 01:56 PM
T/R Hydrocarbons: C23-C32	23 10	10	mg/Kg 1 4/25/2009 01:56 PM
T/R Hydrocarbons:>C32	ND 10	10	mg/Kg 1 4/25/2009 01:56 PM
Surr: p-Terphenyl	101 0	57-144	%REC 1 4/25/2009 01:56 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-011A

Client Sample ID: 1001-112-10-S
Collection Date: 4/20/2009 10:40:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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PCBS BY GC/ECD

EPA 3550B

EPA 8082

RunID: GC4_090422A	QC Batch: 54929	PrepDate: 4/22/2009	Analyst: BB			
Aroclor 1016	ND	5.0	16	µg/Kg	1	4/22/2009 08:14 PM
Aroclor 1221	ND	5.0	33	µg/Kg	1	4/22/2009 08:14 PM
Aroclor 1232	ND	5.0	16	µg/Kg	1	4/22/2009 08:14 PM
Aroclor 1242	ND	5.0	16	µg/Kg	1	4/22/2009 08:14 PM
Aroclor 1248	ND	5.0	16	µg/Kg	1	4/22/2009 08:14 PM
Aroclor 1254	ND	5.0	16	µg/Kg	1	4/22/2009 08:14 PM
Aroclor 1260	ND	5.0	16	µg/Kg	1	4/22/2009 08:14 PM
Aroclor 1262	ND	5.0	16	µg/Kg	1	4/22/2009 08:14 PM
Aroclor 1268	ND	5.0	16	µg/Kg	1	4/22/2009 08:14 PM
Surr: Decachlorobiphenyl	84.8	0	30-124	%REC	1	4/22/2009 08:14 PM
Surr: Tetrachloro-m-xylene	90.3	0	40-118	%REC	1	4/22/2009 08:14 PM

MERCURY BY COLD VAPOR TECHNIQUE

EPA 7471A

RunID: AA5_090422D	QC Batch: 54901	PrepDate: 4/22/2009	Analyst: RQ			
Mercury	ND	0.021	0.10	mg/Kg	1	4/22/2009 03:33 PM

SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3550B

EPA 8270C

RunID: MS 13_090422A	QC Batch: 54911	PrepDate: 4/22/2009	Analyst: DMP			
1,2,4-Trichlorobenzene	ND	82	330	µg/Kg	1	4/22/2009 08:01 PM
1,2-Dichlorobenzene	ND	85	330	µg/Kg	1	4/22/2009 08:01 PM
1,3-Dichlorobenzene	ND	74	330	µg/Kg	1	4/22/2009 08:01 PM
1,4-Dichlorobenzene	ND	78	330	µg/Kg	1	4/22/2009 08:01 PM
2,4,5-Trichlorophenol	ND	56	330	µg/Kg	1	4/22/2009 08:01 PM
2,4,6-Trichlorophenol	ND	78	330	µg/Kg	1	4/22/2009 08:01 PM
2,4-Dichlorophenol	ND	87	1600	µg/Kg	1	4/22/2009 08:01 PM
2,4-Dimethylphenol	ND	88	330	µg/Kg	1	4/22/2009 08:01 PM
2,4-Dinitrophenol	ND	45	1600	µg/Kg	1	4/22/2009 08:01 PM
2,4-Dinitrotoluene	ND	67	330	µg/Kg	1	4/22/2009 08:01 PM
2,6-Dinitrotoluene	ND	67	330	µg/Kg	1	4/22/2009 08:01 PM
2-Chloronaphthalene	ND	70	330	µg/Kg	1	4/22/2009 08:01 PM
2-Chlorophenol	ND	89	330	µg/Kg	1	4/22/2009 08:01 PM
2-Methylnaphthalene	ND	78	330	µg/Kg	1	4/22/2009 08:01 PM
2-Methylphenol	ND	96	330	µg/Kg	1	4/22/2009 08:01 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit	
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DO	Surrogate Diluted Out			



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-011A

Client Sample ID: 1001-112-10-S
Collection Date: 4/20/2009 10:40:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3550B

EPA 8270C

RunID: MS 13_090422A	QC Batch: 54911	PrepDate: 4/22/2009	Analyst: DMP
2-Nitroaniline	ND	79	1600
2-Nitrophenol	ND	70	330
3,3'-Dichlorobenzidine	ND	78	660
3-Nitroaniline	ND	60	1600
4,6-Dinitro-2-methylphenol	ND	63	1600
4-Bromophenyl-phenylether	ND	73	330
4-Chloro-3-methylphenol	ND	75	660
4-Chloroaniline	ND	73	660
4-Chlorophenyl-phenylether	ND	70	330
4-Methylphenol	ND	79	330
4-Nitroaniline	ND	60	1600
4-Nitrophenol	ND	71	1600
Acenaphthene	ND	70	330
Acenaphthylene	ND	69	330
Anthracene	ND	76	330
Benzidine (M)	ND	71	1600
Benzo(a)anthracene	ND	69	330
Benzo(a)pyrene	ND	82	330
Benzo(b)fluoranthene	ND	70	330
Benzo(g,h,i)perylene	ND	71	330
Benzo(k)fluoranthene	ND	98	330
Benzoic acid	ND	64	1600
Benzyl alcohol	ND	86	660
Bis(2-chloroethoxy)methane	ND	79	330
Bis(2-chloroethyl)ether	ND	81	330
Bis(2-chloroisopropyl)ether	ND	91	330
Bis(2-ethylhexyl)phthalate	ND	72	330
Butylbenzylphthalate	ND	72	330
Chrysene	ND	79	330
Di-n-butylphthalate	ND	78	330
Di-n-octylphthalate	ND	71	330
Dibenz(a,h)anthracene	ND	83	330
Dibenzofuran	ND	68	330
Diethylphthalate	ND	74	330
Dimethylphthalate	ND	69	330

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
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Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3550B

EPA 8270C

RunID: MS 13_090422A	QC Batch: 54911	PrepDate: 4/22/2009	Analyst: DMP
Fluoranthene	ND	73	330
Fluorene	ND	69	330
Hexachlorobenzene	ND	76	330
Hexachlorobutadiene	ND	77	660
Hexachlorocyclopentadiene	ND	80	660
Hexachloroethane	ND	81	330
Indeno(1,2,3-cd)pyrene	ND	69	330
Isophorone	ND	85	330
N-Nitrosodi-n-propylamine	ND	82	330
N-Nitrosodiphenylamine	ND	79	330
Naphthalene	ND	86	330
Nitrobenzene	ND	82	330
Pentachlorophenol	ND	55	1600
Phenanthrene	ND	76	330
Phenol	ND	95	330
Pyrene	ND	77	330
Surr: 1,2-Dichlorobenzene-d4	83.0	0	49-103
Surr: 2,4,6-Tribromophenol	95.8	0	47-129
Surr: 2-Chlorophenol-d4	94.4	0	54-109
Surr: 2-Fluorobiphenyl	94.2	0	59-108
Surr: 2-Fluorophenol	93.4	0	50-111
Surr: 4-Terphenyl-d14	121	0	58-135
Surr: Nitrobenzene-d5	88.9	0	54-115
Surr: Phenol-d5	98.3	0	58-112

PH

EPA 9045C

RunID: WETCHEM_090421C	QC Batch: R108341	PrepDate:	Analyst: DDL
pH	8.3	0.10	0.10

Qualifiers: B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interference
DO Surrogate Diluted Out
E Value above quantitation range
ND Not Detected at the Reporting Limit
Results are wet unless otherwise specified



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ANALYTICAL RESULTS

Print Date: 01-May-09

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Lab Order: 105139
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Lab ID: 105139-011B

Client Sample ID: 1001-112-10-S
Collection Date: 4/20/2009 10:40:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS4_090421A	QC Batch: K09VS060	PrepDate: 4/21/2009	Analyst: HH
1,1,1,2-Tetrachloroethane	ND 1.3	6.8	µg/Kg 1 4/21/2009 01:57 PM
1,1,1-Trichloroethane	ND 1.8	6.8	µg/Kg 1 4/21/2009 01:57 PM
1,1,2,2-Tetrachloroethane	ND 4.2	6.8	µg/Kg 1 4/21/2009 01:57 PM
1,1,2-Trichloroethane	ND 1.7	6.8	µg/Kg 1 4/21/2009 01:57 PM
1,1-Dichloroethane	ND 0.83	6.8	µg/Kg 1 4/21/2009 01:57 PM
1,1-Dichloroethene	ND 0.61	6.8	µg/Kg 1 4/21/2009 01:57 PM
1,1-Dichloropropene	ND 2.9	6.8	µg/Kg 1 4/21/2009 01:57 PM
1,2,3-Trichlorobenzene	ND 5.1	6.8	µg/Kg 1 4/21/2009 01:57 PM
1,2,3-Trichloropropane	ND 3.1	6.8	µg/Kg 1 4/21/2009 01:57 PM
1,2,4-Trichlorobenzene	ND 3.2	6.8	µg/Kg 1 4/21/2009 01:57 PM
1,2,4-Trimethylbenzene	ND 1.4	6.8	µg/Kg 1 4/21/2009 01:57 PM
1,2-Dibromo-3-chloropropane	ND 4.3	14	µg/Kg 1 4/21/2009 01:57 PM
1,2-Dibromoethane	ND 1.3	6.8	µg/Kg 1 4/21/2009 01:57 PM
1,2-Dichlorobenzene	ND 2.9	6.8	µg/Kg 1 4/21/2009 01:57 PM
1,2-Dichloroethane	ND 2.5	6.8	µg/Kg 1 4/21/2009 01:57 PM
1,2-Dichloropropane	ND 2.1	6.8	µg/Kg 1 4/21/2009 01:57 PM
1,3,5-Trimethylbenzene	ND 1.1	6.8	µg/Kg 1 4/21/2009 01:57 PM
1,3-Dichlorobenzene	ND 2.3	6.8	µg/Kg 1 4/21/2009 01:57 PM
1,3-Dichloropropane	ND 0.44	6.8	µg/Kg 1 4/21/2009 01:57 PM
1,4-Dichlorobenzene	ND 2.4	6.8	µg/Kg 1 4/21/2009 01:57 PM
2,2-Dichloropropane	ND 0.65	6.8	µg/Kg 1 4/21/2009 01:57 PM
2-Chlorotoluene	ND 1.2	6.8	µg/Kg 1 4/21/2009 01:57 PM
4-Chlorotoluene	ND 1.5	6.8	µg/Kg 1 4/21/2009 01:57 PM
4-Isopropyltoluene	ND 1.5	6.8	µg/Kg 1 4/21/2009 01:57 PM
Benzene	ND 0.87	6.8	µg/Kg 1 4/21/2009 01:57 PM
Bromobenzene	ND 1.7	6.8	µg/Kg 1 4/21/2009 01:57 PM
Bromodichloromethane	ND 1.8	6.8	µg/Kg 1 4/21/2009 01:57 PM
Bromoform	ND 2.7	6.8	µg/Kg 1 4/21/2009 01:57 PM
Bromomethane	ND 0.93	6.8	µg/Kg 1 4/21/2009 01:57 PM
Carbon tetrachloride	ND 1.9	6.8	µg/Kg 1 4/21/2009 01:57 PM
Chlorobenzene	ND 0.89	6.8	µg/Kg 1 4/21/2009 01:57 PM
Chloroethane	ND 1.2	6.8	µg/Kg 1 4/21/2009 01:57 PM
Chloroform	ND 2.0	6.8	µg/Kg 1 4/21/2009 01:57 PM
Chloromethane	ND 0.52	6.8	µg/Kg 1 4/21/2009 01:57 PM
cis-1,2-Dichloroethene	ND 2.5	6.8	µg/Kg 1 4/21/2009 01:57 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-011B

Client Sample ID: 1001-112-10-S
Collection Date: 4/20/2009 10:40:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS4_090421A	QC Batch: K09VS060	PrepDate: 4/21/2009	Analyst: HH
cis-1,3-Dichloropropene	ND 1.0	6.8	µg/Kg 1 4/21/2009 01:57 PM
Dibromochloromethane	ND 0.98	6.8	µg/Kg 1 4/21/2009 01:57 PM
Dibromomethane	ND 1.6	6.8	µg/Kg 1 4/21/2009 01:57 PM
Dichlorodifluoromethane	ND 0.74	6.8	µg/Kg 1 4/21/2009 01:57 PM
Ethylbenzene	ND 0.44	6.8	µg/Kg 1 4/21/2009 01:57 PM
Hexachlorobutadiene	ND 3.1	6.8	µg/Kg 1 4/21/2009 01:57 PM
Isopropylbenzene	ND 0.78	6.8	µg/Kg 1 4/21/2009 01:57 PM
m,p-Xylene	ND 0.94	14	µg/Kg 1 4/21/2009 01:57 PM
Methylene chloride	ND 6.8	6.8	µg/Kg 1 4/21/2009 01:57 PM
n-Butylbenzene	ND 1.6	6.8	µg/Kg 1 4/21/2009 01:57 PM
n-Propylbenzene	ND 0.93	6.8	µg/Kg 1 4/21/2009 01:57 PM
Naphthalene	ND 3.4	6.8	µg/Kg 1 4/21/2009 01:57 PM
o-Xylene	ND 0.68	6.8	µg/Kg 1 4/21/2009 01:57 PM
sec-Butylbenzene	ND 1.4	6.8	µg/Kg 1 4/21/2009 01:57 PM
Styrene	ND 0.82	6.8	µg/Kg 1 4/21/2009 01:57 PM
tert-Butylbenzene	ND 1.4	6.8	µg/Kg 1 4/21/2009 01:57 PM
Tetrachloroethene	ND 1.4	6.8	µg/Kg 1 4/21/2009 01:57 PM
Toluene	ND 0.76	6.8	µg/Kg 1 4/21/2009 01:57 PM
trans-1,2-Dichloroethene	ND 0.72	6.8	µg/Kg 1 4/21/2009 01:57 PM
Trichloroethene	ND 2.1	6.8	µg/Kg 1 4/21/2009 01:57 PM
Trichlorofluoromethane	ND 0.75	6.8	µg/Kg 1 4/21/2009 01:57 PM
Vinyl chloride	ND 0.57	6.8	µg/Kg 1 4/21/2009 01:57 PM
Surr: 1,2-Dichloroethane-d4	114 0	68-147	%REC 1 4/21/2009 01:57 PM
Surr: 4-Bromofluorobenzene	110 0	67-127	%REC 1 4/21/2009 01:57 PM
Surr: Dibromofluoromethane	116 0	72-141	%REC 1 4/21/2009 01:57 PM
Surr: Toluene-d8	110 0	75-120	%REC 1 4/21/2009 01:57 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-011E

Client Sample ID: 1001-112-10-S
Collection Date: 4/20/2009 10:40:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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GASOLINE RANGE ORGANICS BY GC/FID

EPA 8015B(M)

RunID: GC2_090421B	QC Batch: E09VS105	PrepDate: 4/20/2009	Analyst: KHN		
GRO	ND 0.13	0.89	mg/Kg	1	4/21/2009 09:59 PM
Surr: Bromofluorobenzene (FID)	110 0	59-145	%REC	1	4/21/2009 09:59 PM

HYDROCARBON CHAIN IDENTIFICATION

EPA 8015B

RunID: GC2_090421B	QC Batch: E09VS105	PrepDate: 4/20/2009	Analyst: KHN		
T/R Hydrocarbons: C4-C12	ND 0.17	0.89	mg/Kg	1	4/21/2009 09:59 PM
Surr: Bromofluorobenzene (FID)	110 0	59-145	%REC	1	4/21/2009 09:59 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-012A

Client Sample ID: 1001-112-20-S
Collection Date: 4/20/2009 10:45:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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ICP METALS

EPA 3050B		EPA 6010B	
RunID: ICP8_090424H	QC Batch: 54942	PrepDate: 4/23/2009	Analyst: CL
Antimony	ND 0.28	2.0	mg/Kg 1 4/24/2009 07:30 PM
Arsenic	ND 0.27	1.0	mg/Kg 1 4/24/2009 07:30 PM
Barium	150 0.13	1.0	mg/Kg 1 4/24/2009 07:30 PM
Beryllium	ND 0.055	1.0	mg/Kg 1 4/24/2009 07:30 PM
Cadmium	ND 0.0064	1.0	mg/Kg 1 4/24/2009 07:30 PM
Chromium	21 0.088	1.0	mg/Kg 1 4/24/2009 07:30 PM
Cobalt	8.6 0.014	1.0	mg/Kg 1 4/24/2009 07:30 PM
Copper	24 0.26	2.0	mg/Kg 1 4/24/2009 07:30 PM
Lead	ND 0.11	1.0	mg/Kg 1 4/24/2009 07:30 PM
Molybdenum	ND 0.043	1.0	mg/Kg 1 4/24/2009 07:30 PM
Nickel	15 0.032	1.0	mg/Kg 1 4/24/2009 07:30 PM
Selenium	ND 0.43	1.0	mg/Kg 1 4/24/2009 07:30 PM
Silver	ND 0.017	1.0	mg/Kg 1 4/24/2009 07:30 PM
Thallium	ND 0.23	1.0	mg/Kg 1 4/24/2009 07:30 PM
Vanadium	51 0.019	1.0	mg/Kg 1 4/24/2009 07:30 PM
Zinc	49 0.19	1.0	mg/Kg 1 4/24/2009 07:30 PM

HEXAVALENT CHROMIUM

EPA 7196A	
RunID: WETCHEM3_090424C	QC Batch: 54996
PrepDate: 4/23/2009	Analyst: CBB
Chromium, Hexavalent	ND 0.074 0.10 mg/Kg 1 4/24/2009

DIESEL RANGE ORGANICS BY GC/FID LUFT

EPA 8015B(M)	
RunID: GC16_090425A	QC Batch: 54919
PrepDate: 4/22/2009	Analyst: CBR
DRO	37 10 10 mg/Kg 1 4/25/2009 02:50 PM
Surr: p-Terphenyl	101 0 57-144 %REC 1 4/25/2009 02:50 PM

HYDROCARBON CHAIN IDENTIFICATION LUFT

EPA 8015B(M)	
RunID: GC16_090425A	QC Batch: 54919
PrepDate: 4/22/2009	Analyst: CBR
T/R Hydrocarbons: C13-C22	19 10 10 mg/Kg 1 4/25/2009 02:50 PM
T/R Hydrocarbons: C23-C32	20 10 10 mg/Kg 1 4/25/2009 02:50 PM
T/R Hydrocarbons:>C32	ND 10 10 mg/Kg 1 4/25/2009 02:50 PM
Surr: p-Terphenyl	101 0 57-144 %REC 1 4/25/2009 02:50 PM

Qualifiers:	B Analyte detected in the associated Method Blank	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	ND Not Detected at the Reporting Limit
	S Spike/Surrogate outside of limits due to matrix interference	Results are wet unless otherwise specified
	DO Surrogate Diluted Out	



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-012A

Client Sample ID: 1001-112-20-S
Collection Date: 4/20/2009 10:45:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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PCBS BY GC/ECD

EPA 3550B		EPA 8082					
RunID: GC4_090422A	QC Batch: 54929	PrepDate: 4/22/2009 Analyst: BB					
Aroclor 1016	ND	5.0	16	µg/Kg	1	4/22/2009 09:13 PM	
Aroclor 1221	ND	5.0	33	µg/Kg	1	4/22/2009 09:13 PM	
Aroclor 1232	ND	5.0	16	µg/Kg	1	4/22/2009 09:13 PM	
Aroclor 1242	ND	5.0	16	µg/Kg	1	4/22/2009 09:13 PM	
Aroclor 1248	ND	5.0	16	µg/Kg	1	4/22/2009 09:13 PM	
Aroclor 1254	ND	5.0	16	µg/Kg	1	4/22/2009 09:13 PM	
Aroclor 1260	ND	5.0	16	µg/Kg	1	4/22/2009 09:13 PM	
Aroclor 1262	ND	5.0	16	µg/Kg	1	4/22/2009 09:13 PM	
Aroclor 1268	ND	5.0	16	µg/Kg	1	4/22/2009 09:13 PM	
Surr: Decachlorobiphenyl	85.3	0	30-124	%REC	1	4/22/2009 09:13 PM	
Surr: Tetrachloro-m-xylene	96.3	0	40-118	%REC	1	4/22/2009 09:13 PM	

MERCURY BY COLD VAPOR TECHNIQUE

EPA 7471A							
RunID: AA5_090422D	QC Batch: 54901	PrepDate: 4/22/2009 Analyst: RQ					
Mercury	ND	0.021	0.10	mg/Kg	1	4/22/2009 03:35 PM	

SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3550B		EPA 8270C					
RunID: MS 13_090422A	QC Batch: 54911	PrepDate: 4/22/2009 Analyst: DMP					
1,2,4-Trichlorobenzene	ND	82	330	µg/Kg	1	4/22/2009 08:28 PM	
1,2-Dichlorobenzene	ND	85	330	µg/Kg	1	4/22/2009 08:28 PM	
1,3-Dichlorobenzene	ND	74	330	µg/Kg	1	4/22/2009 08:28 PM	
1,4-Dichlorobenzene	ND	78	330	µg/Kg	1	4/22/2009 08:28 PM	
2,4,5-Trichlorophenol	ND	56	330	µg/Kg	1	4/22/2009 08:28 PM	
2,4,6-Trichlorophenol	ND	78	330	µg/Kg	1	4/22/2009 08:28 PM	
2,4-Dichlorophenol	ND	87	1600	µg/Kg	1	4/22/2009 08:28 PM	
2,4-Dimethylphenol	ND	88	330	µg/Kg	1	4/22/2009 08:28 PM	
2,4-Dinitrophenol	ND	45	1600	µg/Kg	1	4/22/2009 08:28 PM	
2,4-Dinitrotoluene	ND	67	330	µg/Kg	1	4/22/2009 08:28 PM	
2,6-Dinitrotoluene	ND	67	330	µg/Kg	1	4/22/2009 08:28 PM	
2-Chloronaphthalene	ND	70	330	µg/Kg	1	4/22/2009 08:28 PM	
2-Chlorophenol	ND	89	330	µg/Kg	1	4/22/2009 08:28 PM	
2-Methylnaphthalene	ND	78	330	µg/Kg	1	4/22/2009 08:28 PM	
2-Methylphenol	ND	96	330	µg/Kg	1	4/22/2009 08:28 PM	

Qualifiers: B Analyte detected in the associated Method Blank E Value above quantitation range
H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit
S Spike/Surrogate outside of limits due to matrix interference Results are wet unless otherwise specified
DO Surrogate Diluted Out



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-012A

Client Sample ID: 1001-112-20-S
Collection Date: 4/20/2009 10:45:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3550B

EPA 8270C

RunID: MS 13_090422A	QC Batch: 54911	PrepDate: 4/22/2009	Analyst: DMP
2-Nitroaniline	ND	79	1600
2-Nitrophenol	ND	70	330
3,3'-Dichlorobenzidine	ND	78	660
3-Nitroaniline	ND	60	1600
4,6-Dinitro-2-methylphenol	ND	63	1600
4-Bromophenyl-phenylether	ND	73	330
4-Chloro-3-methylphenol	ND	75	660
4-Chloroaniline	ND	73	660
4-Chlorophenyl-phenylether	ND	70	330
4-Methylphenol	ND	79	330
4-Nitroaniline	ND	60	1600
4-Nitrophenol	ND	71	1600
Acenaphthene	ND	70	330
Acenaphthylene	ND	69	330
Anthracene	ND	76	330
Benzidine (M)	ND	71	1600
Benzo(a)anthracene	ND	69	330
Benzo(a)pyrene	ND	82	330
Benzo(b)fluoranthene	ND	70	330
Benzo(g,h,i)perylene	ND	71	330
Benzo(k)fluoranthene	ND	98	330
Benzoic acid	ND	64	1600
Benzyl alcohol	ND	86	660
Bis(2-chloroethoxy)methane	ND	79	330
Bis(2-chloroethyl)ether	ND	81	330
Bis(2-chloroisopropyl)ether	ND	91	330
Bis(2-ethylhexyl)phthalate	ND	72	330
Butylbenzylphthalate	ND	72	330
Chrysene	ND	79	330
Di-n-butylphthalate	ND	78	330
Di-n-octylphthalate	ND	71	330
Dibenz(a,h)anthracene	ND	83	330
Dibenzofuran	ND	68	330
Diethylphthalate	ND	74	330
Dimethylphthalate	ND	69	330

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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Client Sample ID: 1001-112-20-S
Collection Date: 4/20/2009 10:45:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3550B

EPA 8270C

RunID: MS 13_090422A	QC Batch: 54911	PrepDate: 4/22/2009	Analyst: DMP
Fluoranthene	ND	73	330
Fluorene	ND	69	330
Hexachlorobenzene	ND	76	330
Hexachlorobutadiene	ND	77	660
Hexachlorocyclopentadiene	ND	80	660
Hexachloroethane	ND	81	330
Indeno(1,2,3-cd)pyrene	ND	69	330
Isophorone	ND	85	330
N-Nitrosodi-n-propylamine	ND	82	330
N-Nitrosodiphenylamine	ND	79	330
Naphthalene	ND	86	330
Nitrobenzene	ND	82	330
Pentachlorophenol	ND	55	1600
Phenanthrene	ND	76	330
Phenol	ND	95	330
Pyrene	ND	77	330
Surr: 1,2-Dichlorobenzene-d4	83.9	0	49-103
Surr: 2,4,6-Tribromophenol	92.7	0	47-129
Surr: 2-Chlorophenol-d4	95.3	0	54-109
Surr: 2-Fluorobiphenyl	95.6	0	59-108
Surr: 2-Fluorophenol	94.3	0	50-111
Surr: 4-Terphenyl-d14	121	0	58-135
Surr: Nitrobenzene-d5	90.9	0	54-115
Surr: Phenol-d5	99.3	0	58-112

PH

EPA 9045C

RunID: WETCHEM_090421C	QC Batch: R108341	PrepDate:	Analyst: DDL
pH	7.8	0.10	0.10

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-012B

Client Sample ID: 1001-112-20-S
Collection Date: 4/20/2009 10:45:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS4_090421A	QC Batch: K09VS060	PrepDate: 4/21/2009	Analyst: HH
1,1,1,2-Tetrachloroethane	ND 0.84	4.4	µg/Kg 1 4/21/2009 02:14 PM
1,1,1-Trichloroethane	ND 1.2	4.4	µg/Kg 1 4/21/2009 02:14 PM
1,1,2,2-Tetrachloroethane	ND 2.7	4.4	µg/Kg 1 4/21/2009 02:14 PM
1,1,2-Trichloroethane	ND 1.1	4.4	µg/Kg 1 4/21/2009 02:14 PM
1,1-Dichloroethane	ND 0.54	4.4	µg/Kg 1 4/21/2009 02:14 PM
1,1-Dichloroethene	ND 0.39	4.4	µg/Kg 1 4/21/2009 02:14 PM
1,1-Dichloropropene	ND 1.8	4.4	µg/Kg 1 4/21/2009 02:14 PM
1,2,3-Trichlorobenzene	ND 3.3	4.4	µg/Kg 1 4/21/2009 02:14 PM
1,2,3-Trichloropropane	ND 2.0	4.4	µg/Kg 1 4/21/2009 02:14 PM
1,2,4-Trichlorobenzene	ND 2.1	4.4	µg/Kg 1 4/21/2009 02:14 PM
1,2,4-Trimethylbenzene	ND 0.91	4.4	µg/Kg 1 4/21/2009 02:14 PM
1,2-Dibromo-3-chloropropane	ND 2.8	8.8	µg/Kg 1 4/21/2009 02:14 PM
1,2-Dibromoethane	ND 0.85	4.4	µg/Kg 1 4/21/2009 02:14 PM
1,2-Dichlorobenzene	ND 1.8	4.4	µg/Kg 1 4/21/2009 02:14 PM
1,2-Dichloroethane	ND 1.6	4.4	µg/Kg 1 4/21/2009 02:14 PM
1,2-Dichloropropane	ND 1.4	4.4	µg/Kg 1 4/21/2009 02:14 PM
1,3,5-Trimethylbenzene	ND 0.68	4.4	µg/Kg 1 4/21/2009 02:14 PM
1,3-Dichlorobenzene	ND 1.5	4.4	µg/Kg 1 4/21/2009 02:14 PM
1,3-Dichloropropane	ND 0.28	4.4	µg/Kg 1 4/21/2009 02:14 PM
1,4-Dichlorobenzene	ND 1.6	4.4	µg/Kg 1 4/21/2009 02:14 PM
2,2-Dichloropropane	ND 0.42	4.4	µg/Kg 1 4/21/2009 02:14 PM
2-Chlorotoluene	ND 0.78	4.4	µg/Kg 1 4/21/2009 02:14 PM
4-Chlorotoluene	ND 0.99	4.4	µg/Kg 1 4/21/2009 02:14 PM
4-Isopropyltoluene	ND 0.97	4.4	µg/Kg 1 4/21/2009 02:14 PM
Benzene	ND 0.56	4.4	µg/Kg 1 4/21/2009 02:14 PM
Bromobenzene	ND 1.1	4.4	µg/Kg 1 4/21/2009 02:14 PM
Bromodichloromethane	ND 1.2	4.4	µg/Kg 1 4/21/2009 02:14 PM
Bromoform	ND 1.7	4.4	µg/Kg 1 4/21/2009 02:14 PM
Bromomethane	ND 0.60	4.4	µg/Kg 1 4/21/2009 02:14 PM
Carbon tetrachloride	ND 1.2	4.4	µg/Kg 1 4/21/2009 02:14 PM
Chlorobenzene	ND 0.57	4.4	µg/Kg 1 4/21/2009 02:14 PM
Chloroethane	ND 0.76	4.4	µg/Kg 1 4/21/2009 02:14 PM
Chloroform	ND 1.3	4.4	µg/Kg 1 4/21/2009 02:14 PM
Chloromethane	ND 0.33	4.4	µg/Kg 1 4/21/2009 02:14 PM
cis-1,2-Dichloroethene	ND 1.6	4.4	µg/Kg 1 4/21/2009 02:14 PM

Qualifiers: B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interference
DO Surrogate Diluted Out
E Value above quantitation range
ND Not Detected at the Reporting Limit
Results are wet unless otherwise specified



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-012B

Client Sample ID: 1001-112-20-S
Collection Date: 4/20/2009 10:45:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS4_090421A	QC Batch: K09VS060	PrepDate: 4/21/2009	Analyst: HH
cis-1,3-Dichloropropene	ND 0.66	4.4	µg/Kg 1 4/21/2009 02:14 PM
Dibromochloromethane	ND 0.63	4.4	µg/Kg 1 4/21/2009 02:14 PM
Dibromomethane	ND 1.0	4.4	µg/Kg 1 4/21/2009 02:14 PM
Dichlorodifluoromethane	ND 0.47	4.4	µg/Kg 1 4/21/2009 02:14 PM
Ethylbenzene	ND 0.28	4.4	µg/Kg 1 4/21/2009 02:14 PM
Hexachlorobutadiene	ND 2.0	4.4	µg/Kg 1 4/21/2009 02:14 PM
Isopropylbenzene	ND 0.50	4.4	µg/Kg 1 4/21/2009 02:14 PM
m,p-Xylene	ND 0.61	8.8	µg/Kg 1 4/21/2009 02:14 PM
Methylene chloride	ND 4.4	4.4	µg/Kg 1 4/21/2009 02:14 PM
n-Butylbenzene	ND 1.1	4.4	µg/Kg 1 4/21/2009 02:14 PM
n-Propylbenzene	ND 0.60	4.4	µg/Kg 1 4/21/2009 02:14 PM
Naphthalene	ND 2.2	4.4	µg/Kg 1 4/21/2009 02:14 PM
o-Xylene	ND 0.44	4.4	µg/Kg 1 4/21/2009 02:14 PM
sec-Butylbenzene	ND 0.91	4.4	µg/Kg 1 4/21/2009 02:14 PM
Styrene	ND 0.53	4.4	µg/Kg 1 4/21/2009 02:14 PM
tert-Butylbenzene	ND 0.91	4.4	µg/Kg 1 4/21/2009 02:14 PM
Tetrachloroethene	ND 0.92	4.4	µg/Kg 1 4/21/2009 02:14 PM
Toluene	ND 0.49	4.4	µg/Kg 1 4/21/2009 02:14 PM
trans-1,2-Dichloroethene	ND 0.46	4.4	µg/Kg 1 4/21/2009 02:14 PM
Trichloroethene	ND 1.3	4.4	µg/Kg 1 4/21/2009 02:14 PM
Trichlorofluoromethane	ND 0.48	4.4	µg/Kg 1 4/21/2009 02:14 PM
Vinyl chloride	ND 0.37	4.4	µg/Kg 1 4/21/2009 02:14 PM
Surr: 1,2-Dichloroethane-d4	115 0	68-147	%REC 1 4/21/2009 02:14 PM
Surr: 4-Bromofluorobenzene	112 0	67-127	%REC 1 4/21/2009 02:14 PM
Surr: Dibromofluoromethane	112 0	72-141	%REC 1 4/21/2009 02:14 PM
Surr: Toluene-d8	109 0	75-120	%REC 1 4/21/2009 02:14 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-012E

Client Sample ID: 1001-112-20-S
Collection Date: 4/20/2009 10:45:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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GASOLINE RANGE ORGANICS BY GC/FID

EPA 8015B(M)

RunID: GC2_090421B	QC Batch: E09VS105	PrepDate: 4/20/2009	Analyst: KHN
GRO	ND 0.13	0.90	mg/Kg 1 4/21/2009 10:31 PM
Surr: Bromofluorobenzene (FID)	119 0	59-145	%REC 1 4/21/2009 10:31 PM

HYDROCARBON CHAIN IDENTIFICATION

EPA 8015B

RunID: GC2_090421B	QC Batch: E09VS105	PrepDate: 4/20/2009	Analyst: KHN
T/R Hydrocarbons: C4-C12	ND 0.18	0.90	mg/Kg 1 4/21/2009 10:31 PM
Surr: Bromofluorobenzene (FID)	119 0	59-145	%REC 1 4/21/2009 10:31 PM

Qualifiers:	B Analyte detected in the associated Method Blank	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	ND Not Detected at the Reporting Limit
	S Spike/Surrogate outside of limits due to matrix interference	Results are wet unless otherwise specified
	DO Surrogate Diluted Out	



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-013A

Client Sample ID: 1001-103-2-S
Collection Date: 4/20/2009 11:05:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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ICP METALS

EPA 3050B		EPA 6010B	
RunID: ICP8_090424H	QC Batch: 54942	PrepDate: 4/23/2009	Analyst: CL
Antimony	ND 0.28	2.0	mg/Kg 1 4/24/2009 07:33 PM
Arsenic	ND 0.27	1.0	mg/Kg 1 4/24/2009 07:33 PM
Barium	160 0.13	1.0	mg/Kg 1 4/24/2009 07:33 PM
Beryllium	ND 0.055	1.0	mg/Kg 1 4/24/2009 07:33 PM
Cadmium	ND 0.0064	1.0	mg/Kg 1 4/24/2009 07:33 PM
Chromium	21 0.088	1.0	mg/Kg 1 4/24/2009 07:33 PM
Cobalt	8.8 0.014	1.0	mg/Kg 1 4/24/2009 07:33 PM
Copper	31 0.26	2.0	mg/Kg 1 4/24/2009 07:33 PM
Lead	26 0.11	1.0	mg/Kg 1 4/24/2009 07:33 PM
Molybdenum	ND 0.043	1.0	mg/Kg 1 4/24/2009 07:33 PM
Nickel	16 0.032	1.0	mg/Kg 1 4/24/2009 07:33 PM
Selenium	ND 0.43	1.0	mg/Kg 1 4/24/2009 07:33 PM
Silver	ND 0.017	1.0	mg/Kg 1 4/24/2009 07:33 PM
Thallium	ND 0.23	1.0	mg/Kg 1 4/24/2009 07:33 PM
Vanadium	52 0.019	1.0	mg/Kg 1 4/24/2009 07:33 PM
Zinc	250 0.19	1.0	mg/Kg 1 4/24/2009 07:33 PM

HEXAVALENT CHROMIUM

EPA 7196A	
RunID: WETCHEM3_090424C	QC Batch: 54996
PrepDate: 4/23/2009	Analyst: CBB
Chromium, Hexavalent	ND 0.074 0.10 mg/Kg 1 4/24/2009

DIESEL RANGE ORGANICS BY GC/FID LUFT

EPA 8015B(M)	
RunID: GC16_090425A	QC Batch: 54919
PrepDate: 4/22/2009	Analyst: CBR
DRO	45 10 10 mg/Kg 1 4/25/2009 02:59 PM
Surr: p-Terphenyl	103 0 57-144 %REC 1 4/25/2009 02:59 PM

HYDROCARBON CHAIN IDENTIFICATION LUFT

EPA 8015B(M)	
RunID: GC16_090425A	QC Batch: 54919
PrepDate: 4/22/2009	Analyst: CBR
T/R Hydrocarbons: C13-C22	21 10 10 mg/Kg 1 4/25/2009 02:59 PM
T/R Hydrocarbons: C23-C32	29 10 10 mg/Kg 1 4/25/2009 02:59 PM
T/R Hydrocarbons:>C32	15 10 10 mg/Kg 1 4/25/2009 02:59 PM
Surr: p-Terphenyl	103 0 57-144 %REC 1 4/25/2009 02:59 PM

Qualifiers:	B Analyte detected in the associated Method Blank	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	ND Not Detected at the Reporting Limit
	S Spike/Surrogate outside of limits due to matrix interference	Results are wet unless otherwise specified
	DO Surrogate Diluted Out	



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Laboratories

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Advanced Technology Laboratories**ANALYTICAL RESULTS**

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-013A

Client Sample ID: 1001-103-2-S
Collection Date: 4/20/2009 11:05:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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PCBS BY GC/ECD**EPA 3550B****EPA 8082**

RunID: GC4_090422A	QC Batch: 54929			PrepDate: 4/22/2009	Analyst: BB
Aroclor 1016	ND	5.0	16	µg/Kg	1 4/22/2009 09:43 PM
Aroclor 1221	ND	5.0	33	µg/Kg	1 4/22/2009 09:43 PM
Aroclor 1232	ND	5.0	16	µg/Kg	1 4/22/2009 09:43 PM
Aroclor 1242	ND	5.0	16	µg/Kg	1 4/22/2009 09:43 PM
Aroclor 1248	ND	5.0	16	µg/Kg	1 4/22/2009 09:43 PM
Aroclor 1254	ND	5.0	16	µg/Kg	1 4/22/2009 09:43 PM
Aroclor 1260	ND	5.0	16	µg/Kg	1 4/22/2009 09:43 PM
Aroclor 1262	ND	5.0	16	µg/Kg	1 4/22/2009 09:43 PM
Aroclor 1268	ND	5.0	16	µg/Kg	1 4/22/2009 09:43 PM
Surr: Decachlorobiphenyl	62.0	0	30-124	%REC	1 4/22/2009 09:43 PM
Surr: Tetrachloro-m-xylene	74.1	0	40-118	%REC	1 4/22/2009 09:43 PM

MERCURY BY COLD VAPOR TECHNIQUE**EPA 7471A**

RunID: AA5_090422D	QC Batch: 54901			PrepDate: 4/22/2009	Analyst: RQ
Mercury	ND	0.021	0.10	mg/Kg	1 4/22/2009 03:37 PM

SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS**EPA 3550B****EPA 8270C**

RunID: MS 13_090422A	QC Batch: 54911			PrepDate: 4/22/2009	Analyst: DMP
1,2,4-Trichlorobenzene	ND	210	820	µg/Kg	2.5 4/22/2009 08:56 PM
1,2-Dichlorobenzene	ND	210	820	µg/Kg	2.5 4/22/2009 08:56 PM
1,3-Dichlorobenzene	ND	190	820	µg/Kg	2.5 4/22/2009 08:56 PM
1,4-Dichlorobenzene	ND	200	820	µg/Kg	2.5 4/22/2009 08:56 PM
2,4,5-Trichlorophenol	ND	140	820	µg/Kg	2.5 4/22/2009 08:56 PM
2,4,6-Trichlorophenol	ND	190	820	µg/Kg	2.5 4/22/2009 08:56 PM
2,4-Dichlorophenol	ND	220	4100	µg/Kg	2.5 4/22/2009 08:56 PM
2,4-Dimethylphenol	ND	220	820	µg/Kg	2.5 4/22/2009 08:56 PM
2,4-Dinitrophenol	ND	110	4100	µg/Kg	2.5 4/22/2009 08:56 PM
2,4-Dinitrotoluene	ND	170	820	µg/Kg	2.5 4/22/2009 08:56 PM
2,6-Dinitrotoluene	ND	170	820	µg/Kg	2.5 4/22/2009 08:56 PM
2-Chloronaphthalene	ND	170	820	µg/Kg	2.5 4/22/2009 08:56 PM
2-Chlorophenol	ND	220	820	µg/Kg	2.5 4/22/2009 08:56 PM
2-Methylnaphthalene	ND	200	820	µg/Kg	2.5 4/22/2009 08:56 PM
2-Methylphenol	ND	240	820	µg/Kg	2.5 4/22/2009 08:56 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-013A

Client Sample ID: 1001-103-2-S
Collection Date: 4/20/2009 11:05:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3550B

EPA 8270C

RunID: MS 13_090422A	QC Batch: 54911	PrepDate: 4/22/2009	Analyst: DMP
2-Nitroaniline	ND	200	4100
2-Nitrophenol	ND	170	820
3,3'-Dichlorobenzidine	ND	200	1600
3-Nitroaniline	ND	150	4100
4,6-Dinitro-2-methylphenol	ND	160	4100
4-Bromophenyl-phenylether	ND	180	820
4-Chloro-3-methylphenol	ND	190	1600
4-Chloroaniline	ND	180	1600
4-Chlorophenyl-phenylether	ND	180	820
4-Methylphenol	ND	200	820
4-Nitroaniline	ND	150	4100
4-Nitrophenol	ND	180	4100
Acenaphthene	ND	180	820
Acenaphthylene	ND	170	820
Anthracene	ND	190	820
Benzidine (M)	ND	180	4100
Benzo(a)anthracene	ND	170	820
Benzo(a)pyrene	ND	200	820
Benzo(b)fluoranthene	ND	180	820
Benzo(g,h,i)perylene	ND	180	820
Benzo(k)fluoranthene	ND	240	820
Benzoic acid	ND	160	4100
Benzyl alcohol	ND	220	1600
Bis(2-chloroethoxy)methane	ND	200	820
Bis(2-chloroethyl)ether	ND	200	820
Bis(2-chloroisopropyl)ether	ND	230	820
Bis(2-ethylhexyl)phthalate	ND	180	820
Butylbenzylphthalate	ND	180	820
Chrysene	ND	200	820
Di-n-butylphthalate	ND	190	820
Di-n-octylphthalate	ND	180	820
Dibenz(a,h)anthracene	ND	210	820
Dibenzofuran	ND	170	820
Diethylphthalate	ND	180	820
Dimethylphthalate	ND	170	820

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
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	DO	Surrogate Diluted Out		



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Lab ID: 105139-013A

Client Sample ID: 1001-103-2-S
Collection Date: 4/20/2009 11:05:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3550B

EPA 8270C

RunID: MS 13_090422A	QC Batch: 54911	PrepDate: 4/22/2009	Analyst: DMP
Fluoranthene	ND	180	820
Fluorene	ND	170	820
Hexachlorobenzene	ND	190	820
Hexachlorobutadiene	ND	190	1600
Hexachlorocyclopentadiene	ND	200	1600
Hexachloroethane	ND	200	820
Indeno(1,2,3-cd)pyrene	ND	170	820
Isophorone	ND	210	820
N-Nitrosodi-n-propylamine	ND	200	820
N-Nitrosodiphenylamine	ND	200	820
Naphthalene	ND	210	820
Nitrobenzene	ND	200	820
Pentachlorophenol	ND	140	4100
Phenanthrene	ND	190	820
Phenol	ND	240	820
Pyrene	ND	190	820
Surr: 1,2-Dichlorobenzene-d4	82.4	0	49-103
Surr: 2,4,6-Tribromophenol	74.6	0	47-129
Surr: 2-Chlorophenol-d4	87.9	0	54-109
Surr: 2-Fluorobiphenyl	90.6	0	59-108
Surr: 2-Fluorophenol	86.0	0	50-111
Surr: 4-Terphenyl-d14	104	0	58-135
Surr: Nitrobenzene-d5	87.1	0	54-115
Surr: Phenol-d5	91.9	0	58-112

PH

EPA 9045C

RunID: WETCHEM_090421C	QC Batch: R108341	PrepDate:	Analyst: DDL
pH	7.5	0.10	0.10

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
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ANALYTICAL RESULTS

Print Date: 01-May-09

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Lab Order: 105139
Project: 207126015
Lab ID: 105139-013B

Client Sample ID: 1001-103-2-S
Collection Date: 4/20/2009 11:05:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS4_090421A	QC Batch: K09VS060	PrepDate: 4/21/2009	Analyst: HH
1,1,1,2-Tetrachloroethane	ND 0.91	4.7	µg/Kg 1 4/21/2009 02:31 PM
1,1,1-Trichloroethane	ND 1.3	4.7	µg/Kg 1 4/21/2009 02:31 PM
1,1,2,2-Tetrachloroethane	ND 2.9	4.7	µg/Kg 1 4/21/2009 02:31 PM
1,1,2-Trichloroethane	ND 1.2	4.7	µg/Kg 1 4/21/2009 02:31 PM
1,1-Dichloroethane	ND 0.58	4.7	µg/Kg 1 4/21/2009 02:31 PM
1,1-Dichloroethene	ND 0.43	4.7	µg/Kg 1 4/21/2009 02:31 PM
1,1-Dichloropropene	ND 2.0	4.7	µg/Kg 1 4/21/2009 02:31 PM
1,2,3-Trichlorobenzene	ND 3.5	4.7	µg/Kg 1 4/21/2009 02:31 PM
1,2,3-Trichloropropane	ND 2.2	4.7	µg/Kg 1 4/21/2009 02:31 PM
1,2,4-Trichlorobenzene	ND 2.2	4.7	µg/Kg 1 4/21/2009 02:31 PM
1,2,4-Trimethylbenzene	ND 0.99	4.7	µg/Kg 1 4/21/2009 02:31 PM
1,2-Dibromo-3-chloropropane	ND 3.0	9.5	µg/Kg 1 4/21/2009 02:31 PM
1,2-Dibromoethane	ND 0.92	4.7	µg/Kg 1 4/21/2009 02:31 PM
1,2-Dichlorobenzene	ND 2.0	4.7	µg/Kg 1 4/21/2009 02:31 PM
1,2-Dichloroethane	ND 1.8	4.7	µg/Kg 1 4/21/2009 02:31 PM
1,2-Dichloropropane	ND 1.5	4.7	µg/Kg 1 4/21/2009 02:31 PM
1,3,5-Trimethylbenzene	ND 0.74	4.7	µg/Kg 1 4/21/2009 02:31 PM
1,3-Dichlorobenzene	ND 1.6	4.7	µg/Kg 1 4/21/2009 02:31 PM
1,3-Dichloropropane	ND 0.30	4.7	µg/Kg 1 4/21/2009 02:31 PM
1,4-Dichlorobenzene	ND 1.7	4.7	µg/Kg 1 4/21/2009 02:31 PM
2,2-Dichloropropane	ND 0.46	4.7	µg/Kg 1 4/21/2009 02:31 PM
2-Chlorotoluene	ND 0.84	4.7	µg/Kg 1 4/21/2009 02:31 PM
4-Chlorotoluene	ND 1.1	4.7	µg/Kg 1 4/21/2009 02:31 PM
4-Isopropyltoluene	ND 1.1	4.7	µg/Kg 1 4/21/2009 02:31 PM
Benzene	ND 0.61	4.7	µg/Kg 1 4/21/2009 02:31 PM
Bromobenzene	ND 1.2	4.7	µg/Kg 1 4/21/2009 02:31 PM
Bromodichloromethane	ND 1.3	4.7	µg/Kg 1 4/21/2009 02:31 PM
Bromoform	ND 1.9	4.7	µg/Kg 1 4/21/2009 02:31 PM
Bromomethane	ND 0.65	4.7	µg/Kg 1 4/21/2009 02:31 PM
Carbon tetrachloride	ND 1.3	4.7	µg/Kg 1 4/21/2009 02:31 PM
Chlorobenzene	ND 0.62	4.7	µg/Kg 1 4/21/2009 02:31 PM
Chloroethane	ND 0.83	4.7	µg/Kg 1 4/21/2009 02:31 PM
Chloroform	ND 1.4	4.7	µg/Kg 1 4/21/2009 02:31 PM
Chloromethane	ND 0.36	4.7	µg/Kg 1 4/21/2009 02:31 PM
cis-1,2-Dichloroethene	ND 1.7	4.7	µg/Kg 1 4/21/2009 02:31 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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Advanced Technology Laboratories**ANALYTICAL RESULTS**

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-013B

Client Sample ID: 1001-103-2-S
Collection Date: 4/20/2009 11:05:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS**EPA 8260B**

RunID: MS4_090421A	QC Batch: K09VS060	PrepDate: 4/21/2009	Analyst: HH
cis-1,3-Dichloropropene	ND 0.71	4.7	µg/Kg 1 4/21/2009 02:31 PM
Dibromochloromethane	ND 0.68	4.7	µg/Kg 1 4/21/2009 02:31 PM
Dibromomethane	ND 1.1	4.7	µg/Kg 1 4/21/2009 02:31 PM
Dichlorodifluoromethane	ND 0.51	4.7	µg/Kg 1 4/21/2009 02:31 PM
Ethylbenzene	ND 0.30	4.7	µg/Kg 1 4/21/2009 02:31 PM
Hexachlorobutadiene	ND 2.1	4.7	µg/Kg 1 4/21/2009 02:31 PM
Isopropylbenzene	ND 0.54	4.7	µg/Kg 1 4/21/2009 02:31 PM
m,p-Xylene	ND 0.65	9.5	µg/Kg 1 4/21/2009 02:31 PM
Methylene chloride	ND 4.7	4.7	µg/Kg 1 4/21/2009 02:31 PM
n-Butylbenzene	ND 1.1	4.7	µg/Kg 1 4/21/2009 02:31 PM
n-Propylbenzene	ND 0.65	4.7	µg/Kg 1 4/21/2009 02:31 PM
Naphthalene	ND 2.4	4.7	µg/Kg 1 4/21/2009 02:31 PM
o-Xylene	ND 0.47	4.7	µg/Kg 1 4/21/2009 02:31 PM
sec-Butylbenzene	ND 0.99	4.7	µg/Kg 1 4/21/2009 02:31 PM
Styrene	ND 0.57	4.7	µg/Kg 1 4/21/2009 02:31 PM
tert-Butylbenzene	ND 0.99	4.7	µg/Kg 1 4/21/2009 02:31 PM
Tetrachloroethene	40 1.0	4.7	µg/Kg 1 4/21/2009 02:31 PM
Toluene	ND 0.53	4.7	µg/Kg 1 4/21/2009 02:31 PM
trans-1,2-Dichloroethene	ND 0.50	4.7	µg/Kg 1 4/21/2009 02:31 PM
Trichloroethene	5.4 1.4	4.7	µg/Kg 1 4/21/2009 02:31 PM
Trichlorofluoromethane	ND 0.52	4.7	µg/Kg 1 4/21/2009 02:31 PM
Vinyl chloride	ND 0.40	4.7	µg/Kg 1 4/21/2009 02:31 PM
Surr: 1,2-Dichloroethane-d4	115 0	68-147	%REC 1 4/21/2009 02:31 PM
Surr: 4-Bromofluorobenzene	105 0	67-127	%REC 1 4/21/2009 02:31 PM
Surr: Dibromofluoromethane	114 0	72-141	%REC 1 4/21/2009 02:31 PM
Surr: Toluene-d8	109 0	75-120	%REC 1 4/21/2009 02:31 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-013E

Client Sample ID: 1001-103-2-S
Collection Date: 4/20/2009 11:05:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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GASOLINE RANGE ORGANICS BY GC/FID

EPA 8015B(M)

RunID: GC2_090421B	QC Batch: E09VS105	PrepDate: 4/20/2009	Analyst: KHN		
GRO	ND 0.14	0.96	mg/Kg	1	4/21/2009 10:46 PM
Surr: Bromofluorobenzene (FID)	104 0	59-145	%REC	1	4/21/2009 10:46 PM

HYDROCARBON CHAIN IDENTIFICATION

EPA 8015B

RunID: GC2_090421B	QC Batch: E09VS105	PrepDate: 4/20/2009	Analyst: KHN		
T/R Hydrocarbons: C4-C12	ND 0.19	0.96	mg/Kg	1	4/21/2009 10:46 PM
Surr: Bromofluorobenzene (FID)	104 0	59-145	%REC	1	4/21/2009 10:46 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-014A

Client Sample ID: 1001-103-5-S
Collection Date: 4/20/2009 11:10:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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ICP METALS

EPA 3050B		EPA 6010B			
RunID: ICP8_090424H	QC Batch: 54942	PrepDate: 4/23/2009	Analyst: CL		
Antimony	ND 0.28	2.0	mg/Kg	1	4/24/2009 07:43 PM
Arsenic	ND 0.27	1.0	mg/Kg	1	4/24/2009 07:43 PM
Barium	110 0.13	1.0	mg/Kg	1	4/24/2009 07:43 PM
Beryllium	ND 0.055	1.0	mg/Kg	1	4/24/2009 07:43 PM
Cadmium	ND 0.0064	1.0	mg/Kg	1	4/24/2009 07:43 PM
Chromium	17 0.088	1.0	mg/Kg	1	4/24/2009 07:43 PM
Cobalt	7.0 0.014	1.0	mg/Kg	1	4/24/2009 07:43 PM
Copper	16 0.26	2.0	mg/Kg	1	4/24/2009 07:43 PM
Lead	ND 0.11	1.0	mg/Kg	1	4/24/2009 07:43 PM
Molybdenum	ND 0.043	1.0	mg/Kg	1	4/24/2009 07:43 PM
Nickel	12 0.032	1.0	mg/Kg	1	4/24/2009 07:43 PM
Selenium	ND 0.43	1.0	mg/Kg	1	4/24/2009 07:43 PM
Silver	ND 0.017	1.0	mg/Kg	1	4/24/2009 07:43 PM
Thallium	ND 0.23	1.0	mg/Kg	1	4/24/2009 07:43 PM
Vanadium	44 0.019	1.0	mg/Kg	1	4/24/2009 07:43 PM
Zinc	42 0.19	1.0	mg/Kg	1	4/24/2009 07:43 PM

HEXAVALENT CHROMIUM

EPA 7196A			
RunID: WETCHEM3_090424C	QC Batch: 54996	PrepDate: 4/23/2009	Analyst: CBB
Chromium, Hexavalent	ND 0.074	0.10	mg/Kg 1 4/24/2009

DIESEL RANGE ORGANICS BY GC/FID LUFT

EPA 8015B(M)			
RunID: GC16_090425A	QC Batch: 54919	PrepDate: 4/22/2009	Analyst: CBR
DRO	42 10	10	mg/Kg 1 4/25/2009 02:05 PM
Surr: p-Terphenyl	98.9 0	57-144	%REC 1 4/25/2009 02:05 PM

HYDROCARBON CHAIN IDENTIFICATION LUFT

EPA 8015B(M)			
RunID: GC16_090425A	QC Batch: 54919	PrepDate: 4/22/2009	Analyst: CBR
T/R Hydrocarbons: C13-C22	22 10	10	mg/Kg 1 4/25/2009 02:05 PM
T/R Hydrocarbons: C23-C32	23 10	10	mg/Kg 1 4/25/2009 02:05 PM
T/R Hydrocarbons:>C32	ND 10	10	mg/Kg 1 4/25/2009 02:05 PM
Surr: p-Terphenyl	98.9 0	57-144	%REC 1 4/25/2009 02:05 PM

Qualifiers:	B Analyte detected in the associated Method Blank	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	ND Not Detected at the Reporting Limit
	S Spike/Surrogate outside of limits due to matrix interference	Results are wet unless otherwise specified
	DO Surrogate Diluted Out	



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ANALYTICAL RESULTS

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Lab Order: 105139
Project: 207126015
Lab ID: 105139-014A

Client Sample ID: 1001-103-5-S
Collection Date: 4/20/2009 11:10:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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PCBS BY GC/ECD

EPA 3550B		EPA 8082	
RunID: GC4_090422A	QC Batch: 54929	PrepDate: 4/22/2009	Analyst: BB
Aroclor 1016	ND 5.0	16	µg/Kg 1 4/22/2009 10:13 PM
Aroclor 1221	ND 5.0	33	µg/Kg 1 4/22/2009 10:13 PM
Aroclor 1232	ND 5.0	16	µg/Kg 1 4/22/2009 10:13 PM
Aroclor 1242	ND 5.0	16	µg/Kg 1 4/22/2009 10:13 PM
Aroclor 1248	ND 5.0	16	µg/Kg 1 4/22/2009 10:13 PM
Aroclor 1254	ND 5.0	16	µg/Kg 1 4/22/2009 10:13 PM
Aroclor 1260	ND 5.0	16	µg/Kg 1 4/22/2009 10:13 PM
Aroclor 1262	ND 5.0	16	µg/Kg 1 4/22/2009 10:13 PM
Aroclor 1268	ND 5.0	16	µg/Kg 1 4/22/2009 10:13 PM
Surr: Decachlorobiphenyl	87.4 0	30-124	%REC 1 4/22/2009 10:13 PM
Surr: Tetrachloro-m-xylene	104 0	40-118	%REC 1 4/22/2009 10:13 PM

MERCURY BY COLD VAPOR TECHNIQUE

EPA 7471A	
RunID: AA5_090422D	QC Batch: 54901
PrepDate: 4/22/2009	Analyst: RQ
Mercury	ND 0.021 0.10 mg/Kg 1 4/22/2009 03:39 PM

SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3550B		EPA 8270C	
RunID: MS 13_090422A	QC Batch: 54911	PrepDate: 4/22/2009	Analyst: DMP
1,2,4-Trichlorobenzene	ND 82	330	µg/Kg 1 4/22/2009 09:24 PM
1,2-Dichlorobenzene	ND 85	330	µg/Kg 1 4/22/2009 09:24 PM
1,3-Dichlorobenzene	ND 74	330	µg/Kg 1 4/22/2009 09:24 PM
1,4-Dichlorobenzene	ND 78	330	µg/Kg 1 4/22/2009 09:24 PM
2,4,5-Trichlorophenol	ND 56	330	µg/Kg 1 4/22/2009 09:24 PM
2,4,6-Trichlorophenol	ND 78	330	µg/Kg 1 4/22/2009 09:24 PM
2,4-Dichlorophenol	ND 87	1600	µg/Kg 1 4/22/2009 09:24 PM
2,4-Dimethylphenol	ND 88	330	µg/Kg 1 4/22/2009 09:24 PM
2,4-Dinitrophenol	ND 45	1600	µg/Kg 1 4/22/2009 09:24 PM
2,4-Dinitrotoluene	ND 67	330	µg/Kg 1 4/22/2009 09:24 PM
2,6-Dinitrotoluene	ND 67	330	µg/Kg 1 4/22/2009 09:24 PM
2-Chloronaphthalene	ND 70	330	µg/Kg 1 4/22/2009 09:24 PM
2-Chlorophenol	ND 89	330	µg/Kg 1 4/22/2009 09:24 PM
2-Methylnaphthalene	ND 78	330	µg/Kg 1 4/22/2009 09:24 PM
2-Methylphenol	ND 96	330	µg/Kg 1 4/22/2009 09:24 PM

Qualifiers: B Analyte detected in the associated Method Blank E Value above quantitation range
H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit
S Spike/Surrogate outside of limits due to matrix interference Results are wet unless otherwise specified
DO Surrogate Diluted Out



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-014A

Client Sample ID: 1001-103-5-S
Collection Date: 4/20/2009 11:10:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3550B

EPA 8270C

RunID: MS 13_090422A	QC Batch: 54911	PrepDate: 4/22/2009	Analyst: DMP
2-Nitroaniline	ND	79	1600
2-Nitrophenol	ND	70	330
3,3'-Dichlorobenzidine	ND	78	660
3-Nitroaniline	ND	60	1600
4,6-Dinitro-2-methylphenol	ND	63	1600
4-Bromophenyl-phenylether	ND	73	330
4-Chloro-3-methylphenol	ND	75	660
4-Chloroaniline	ND	73	660
4-Chlorophenyl-phenylether	ND	70	330
4-Methylphenol	ND	79	330
4-Nitroaniline	ND	60	1600
4-Nitrophenol	ND	71	1600
Acenaphthene	ND	70	330
Acenaphthylene	ND	69	330
Anthracene	ND	76	330
Benzidine (M)	ND	71	1600
Benzo(a)anthracene	ND	69	330
Benzo(a)pyrene	ND	82	330
Benzo(b)fluoranthene	ND	70	330
Benzo(g,h,i)perylene	ND	71	330
Benzo(k)fluoranthene	ND	98	330
Benzoic acid	ND	64	1600
Benzyl alcohol	ND	86	660
Bis(2-chloroethoxy)methane	ND	79	330
Bis(2-chloroethyl)ether	ND	81	330
Bis(2-chloroisopropyl)ether	ND	91	330
Bis(2-ethylhexyl)phthalate	ND	72	330
Butylbenzylphthalate	ND	72	330
Chrysene	ND	79	330
Di-n-butylphthalate	ND	78	330
Di-n-octylphthalate	ND	71	330
Dibenz(a,h)anthracene	ND	83	330
Dibenzofuran	ND	68	330
Diethylphthalate	ND	74	330
Dimethylphthalate	ND	69	330

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-014A

Client Sample ID: 1001-103-5-S
Collection Date: 4/20/2009 11:10:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3550B

EPA 8270C

RunID: MS 13_090422A	QC Batch: 54911	PrepDate: 4/22/2009	Analyst: DMP
Fluoranthene	ND	73	330
Fluorene	ND	69	330
Hexachlorobenzene	ND	76	330
Hexachlorobutadiene	ND	77	660
Hexachlorocyclopentadiene	ND	80	660
Hexachloroethane	ND	81	330
Indeno(1,2,3-cd)pyrene	ND	69	330
Isophorone	ND	85	330
N-Nitrosodi-n-propylamine	ND	82	330
N-Nitrosodiphenylamine	ND	79	330
Naphthalene	ND	86	330
Nitrobenzene	ND	82	330
Pentachlorophenol	ND	55	1600
Phenanthrene	ND	76	330
Phenol	ND	95	330
Pyrene	ND	77	330
Surr: 1,2-Dichlorobenzene-d4	91.7	0	49-103
Surr: 2,4,6-Tribromophenol	95.1	0	47-129
Surr: 2-Chlorophenol-d4	97.1	0	54-109
Surr: 2-Fluorobiphenyl	97.1	0	59-108
Surr: 2-Fluorophenol	95.6	0	50-111
Surr: 4-Terphenyl-d14	121	0	58-135
Surr: Nitrobenzene-d5	95.6	0	54-115
Surr: Phenol-d5	101	0	58-112

PH

EPA 9045C

RunID: WETCHEM_090421C	QC Batch: R108341	PrepDate:	Analyst: DDL
pH	7.3	0.10	0.10

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-014B

Client Sample ID: 1001-103-5-S
Collection Date: 4/20/2009 11:10:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS4_090421A	QC Batch: K09VS060	PrepDate: 4/21/2009	Analyst: HH
1,1,1,2-Tetrachloroethane	ND 0.81	4.2	µg/Kg 1 4/21/2009 02:48 PM
1,1,1-Trichloroethane	ND 1.1	4.2	µg/Kg 1 4/21/2009 02:48 PM
1,1,2,2-Tetrachloroethane	ND 2.6	4.2	µg/Kg 1 4/21/2009 02:48 PM
1,1,2-Trichloroethane	ND 1.1	4.2	µg/Kg 1 4/21/2009 02:48 PM
1,1-Dichloroethane	ND 0.52	4.2	µg/Kg 1 4/21/2009 02:48 PM
1,1-Dichloroethene	ND 0.38	4.2	µg/Kg 1 4/21/2009 02:48 PM
1,1-Dichloropropene	ND 1.8	4.2	µg/Kg 1 4/21/2009 02:48 PM
1,2,3-Trichlorobenzene	ND 3.2	4.2	µg/Kg 1 4/21/2009 02:48 PM
1,2,3-Trichloropropane	ND 2.0	4.2	µg/Kg 1 4/21/2009 02:48 PM
1,2,4-Trichlorobenzene	ND 2.0	4.2	µg/Kg 1 4/21/2009 02:48 PM
1,2,4-Trimethylbenzene	ND 0.88	4.2	µg/Kg 1 4/21/2009 02:48 PM
1,2-Dibromo-3-chloropropane	ND 2.7	8.5	µg/Kg 1 4/21/2009 02:48 PM
1,2-Dibromoethane	ND 0.82	4.2	µg/Kg 1 4/21/2009 02:48 PM
1,2-Dichlorobenzene	ND 1.8	4.2	µg/Kg 1 4/21/2009 02:48 PM
1,2-Dichloroethane	ND 1.6	4.2	µg/Kg 1 4/21/2009 02:48 PM
1,2-Dichloropropane	ND 1.3	4.2	µg/Kg 1 4/21/2009 02:48 PM
1,3,5-Trimethylbenzene	ND 0.66	4.2	µg/Kg 1 4/21/2009 02:48 PM
1,3-Dichlorobenzene	ND 1.4	4.2	µg/Kg 1 4/21/2009 02:48 PM
1,3-Dichloropropane	ND 0.27	4.2	µg/Kg 1 4/21/2009 02:48 PM
1,4-Dichlorobenzene	ND 1.5	4.2	µg/Kg 1 4/21/2009 02:48 PM
2,2-Dichloropropane	ND 0.41	4.2	µg/Kg 1 4/21/2009 02:48 PM
2-Chlorotoluene	ND 0.75	4.2	µg/Kg 1 4/21/2009 02:48 PM
4-Chlorotoluene	ND 0.96	4.2	µg/Kg 1 4/21/2009 02:48 PM
4-Isopropyltoluene	ND 0.94	4.2	µg/Kg 1 4/21/2009 02:48 PM
Benzene	ND 0.54	4.2	µg/Kg 1 4/21/2009 02:48 PM
Bromobenzene	ND 1.1	4.2	µg/Kg 1 4/21/2009 02:48 PM
Bromodichloromethane	ND 1.1	4.2	µg/Kg 1 4/21/2009 02:48 PM
Bromoform	ND 1.7	4.2	µg/Kg 1 4/21/2009 02:48 PM
Bromomethane	ND 0.58	4.2	µg/Kg 1 4/21/2009 02:48 PM
Carbon tetrachloride	ND 1.2	4.2	µg/Kg 1 4/21/2009 02:48 PM
Chlorobenzene	ND 0.55	4.2	µg/Kg 1 4/21/2009 02:48 PM
Chloroethane	ND 0.74	4.2	µg/Kg 1 4/21/2009 02:48 PM
Chloroform	ND 1.3	4.2	µg/Kg 1 4/21/2009 02:48 PM
Chloromethane	ND 0.32	4.2	µg/Kg 1 4/21/2009 02:48 PM
cis-1,2-Dichloroethene	ND 1.5	4.2	µg/Kg 1 4/21/2009 02:48 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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Advanced Technology Laboratories**ANALYTICAL RESULTS**

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-014B

Client Sample ID: 1001-103-5-S
Collection Date: 4/20/2009 11:10:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS**EPA 8260B**

RunID: MS4_090421A	QC Batch: K09VS060	PrepDate: 4/21/2009	Analyst: HH
cis-1,3-Dichloropropene	ND 0.64	4.2	µg/Kg 1 4/21/2009 02:48 PM
Dibromochloromethane	ND 0.61	4.2	µg/Kg 1 4/21/2009 02:48 PM
Dibromomethane	ND 1.0	4.2	µg/Kg 1 4/21/2009 02:48 PM
Dichlorodifluoromethane	ND 0.46	4.2	µg/Kg 1 4/21/2009 02:48 PM
Ethylbenzene	ND 0.27	4.2	µg/Kg 1 4/21/2009 02:48 PM
Hexachlorobutadiene	ND 1.9	4.2	µg/Kg 1 4/21/2009 02:48 PM
Isopropylbenzene	ND 0.48	4.2	µg/Kg 1 4/21/2009 02:48 PM
m,p-Xylene	ND 0.58	8.5	µg/Kg 1 4/21/2009 02:48 PM
Methylene chloride	ND 4.2	4.2	µg/Kg 1 4/21/2009 02:48 PM
n-Butylbenzene	ND 1.0	4.2	µg/Kg 1 4/21/2009 02:48 PM
n-Propylbenzene	ND 0.58	4.2	µg/Kg 1 4/21/2009 02:48 PM
Naphthalene	ND 2.1	4.2	µg/Kg 1 4/21/2009 02:48 PM
o-Xylene	ND 0.42	4.2	µg/Kg 1 4/21/2009 02:48 PM
sec-Butylbenzene	ND 0.88	4.2	µg/Kg 1 4/21/2009 02:48 PM
Styrene	ND 0.51	4.2	µg/Kg 1 4/21/2009 02:48 PM
tert-Butylbenzene	ND 0.88	4.2	µg/Kg 1 4/21/2009 02:48 PM
Tetrachloroethene	9.9 0.89	4.2	µg/Kg 1 4/21/2009 02:48 PM
Toluene	ND 0.47	4.2	µg/Kg 1 4/21/2009 02:48 PM
trans-1,2-Dichloroethene	ND 0.45	4.2	µg/Kg 1 4/21/2009 02:48 PM
Trichloroethene	ND 1.3	4.2	µg/Kg 1 4/21/2009 02:48 PM
Trichlorofluoromethane	ND 0.47	4.2	µg/Kg 1 4/21/2009 02:48 PM
Vinyl chloride	ND 0.36	4.2	µg/Kg 1 4/21/2009 02:48 PM
Surr: 1,2-Dichloroethane-d4	117 0	68-147	%REC 1 4/21/2009 02:48 PM
Surr: 4-Bromofluorobenzene	100 0	67-127	%REC 1 4/21/2009 02:48 PM
Surr: Dibromofluoromethane	112 0	72-141	%REC 1 4/21/2009 02:48 PM
Surr: Toluene-d8	107 0	75-120	%REC 1 4/21/2009 02:48 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-014E

Client Sample ID: 1001-103-5-S
Collection Date: 4/20/2009 11:10:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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GASOLINE RANGE ORGANICS BY GC/FID

EPA 8015B(M)

RunID: GC2_090421B	QC Batch: E09VS105	PrepDate: 4/20/2009	Analyst: KHN		
GRO	ND 0.15	1.0	mg/Kg	1	4/21/2009 11:01 PM
Surr: Bromofluorobenzene (FID)	99.5 0	59-145	%REC	1	4/21/2009 11:01 PM

HYDROCARBON CHAIN IDENTIFICATION

EPA 8015B

RunID: GC2_090421B	QC Batch: E09VS105	PrepDate: 4/20/2009	Analyst: KHN		
T/R Hydrocarbons: C4-C12	ND 0.19	1.0	mg/Kg	1	4/21/2009 11:01 PM
Surr: Bromofluorobenzene (FID)	99.5 0	59-145	%REC	1	4/21/2009 11:01 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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Advanced Technology Laboratories**ANALYTICAL RESULTS**

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-015A

Client Sample ID: 1001-103-10-S
Collection Date: 4/20/2009 11:15:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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ICP METALS**EPA 3050B****EPA 6010B**

RunID: ICP8_090424H	QC Batch: 54942	PrepDate: 4/23/2009	Analyst: CL		
Antimony	ND 0.28	2.0	mg/Kg	1	4/24/2009 07:46 PM
Arsenic	ND 0.27	1.0	mg/Kg	1	4/24/2009 07:46 PM
Barium	110 0.13	1.0	mg/Kg	1	4/24/2009 07:46 PM
Beryllium	ND 0.055	1.0	mg/Kg	1	4/24/2009 07:46 PM
Cadmium	ND 0.0064	1.0	mg/Kg	1	4/24/2009 07:46 PM
Chromium	18 0.088	1.0	mg/Kg	1	4/24/2009 07:46 PM
Cobalt	7.0 0.014	1.0	mg/Kg	1	4/24/2009 07:46 PM
Copper	18 0.26	2.0	mg/Kg	1	4/24/2009 07:46 PM
Lead	ND 0.11	1.0	mg/Kg	1	4/24/2009 07:46 PM
Molybdenum	ND 0.043	1.0	mg/Kg	1	4/24/2009 07:46 PM
Nickel	13 0.032	1.0	mg/Kg	1	4/24/2009 07:46 PM
Selenium	ND 0.43	1.0	mg/Kg	1	4/24/2009 07:46 PM
Silver	ND 0.017	1.0	mg/Kg	1	4/24/2009 07:46 PM
Thallium	ND 0.23	1.0	mg/Kg	1	4/24/2009 07:46 PM
Vanadium	44 0.019	1.0	mg/Kg	1	4/24/2009 07:46 PM
Zinc	39 0.19	1.0	mg/Kg	1	4/24/2009 07:46 PM

HEXAVALENT CHROMIUM**EPA 7196A**

RunID: WETCHEM3_090424C	QC Batch: 54996	PrepDate: 4/23/2009	Analyst: CBB		
Chromium, Hexavalent	ND 0.074	0.10	mg/Kg	1	4/24/2009

**DIESEL RANGE ORGANICS BY GC/FID
LUFT****EPA 8015B(M)**

RunID: GC16_090425A	QC Batch: 54919	PrepDate: 4/22/2009	Analyst: CBR		
DRO	37 10	10	mg/Kg	1	4/25/2009 02:14 PM
Surr: p-Terphenyl	103 0	57-144	%REC	1	4/25/2009 02:14 PM

**HYDROCARBON CHAIN IDENTIFICATION
LUFT****EPA 8015B(M)**

RunID: GC16_090425A	QC Batch: 54919	PrepDate: 4/22/2009	Analyst: CBR		
T/R Hydrocarbons: C13-C22	21 10	10	mg/Kg	1	4/25/2009 02:14 PM
T/R Hydrocarbons: C23-C32	22 10	10	mg/Kg	1	4/25/2009 02:14 PM
T/R Hydrocarbons:>C32	ND 10	10	mg/Kg	1	4/25/2009 02:14 PM
Surr: p-Terphenyl	103 0	57-144	%REC	1	4/25/2009 02:14 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-015A

Client Sample ID: 1001-103-10-S
Collection Date: 4/20/2009 11:15:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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PCBS BY GC/ECD

EPA 3550B

EPA 8082

RunID: GC4_090422A	QC Batch: 54929	PrepDate: 4/22/2009	Analyst: BB			
Aroclor 1016	ND	5.0	16	µg/Kg	1	4/22/2009 10:43 PM
Aroclor 1221	ND	5.0	33	µg/Kg	1	4/22/2009 10:43 PM
Aroclor 1232	ND	5.0	16	µg/Kg	1	4/22/2009 10:43 PM
Aroclor 1242	ND	5.0	16	µg/Kg	1	4/22/2009 10:43 PM
Aroclor 1248	ND	5.0	16	µg/Kg	1	4/22/2009 10:43 PM
Aroclor 1254	ND	5.0	16	µg/Kg	1	4/22/2009 10:43 PM
Aroclor 1260	ND	5.0	16	µg/Kg	1	4/22/2009 10:43 PM
Aroclor 1262	ND	5.0	16	µg/Kg	1	4/22/2009 10:43 PM
Aroclor 1268	ND	5.0	16	µg/Kg	1	4/22/2009 10:43 PM
Surr: Decachlorobiphenyl	86.0	0	30-124	%REC	1	4/22/2009 10:43 PM
Surr: Tetrachloro-m-xylene	102	0	40-118	%REC	1	4/22/2009 10:43 PM

MERCURY BY COLD VAPOR TECHNIQUE

EPA 7471A

RunID: AA5_090422D	QC Batch: 54901	PrepDate: 4/22/2009	Analyst: RQ			
Mercury	ND	0.021	0.10	mg/Kg	1	4/22/2009 03:41 PM

SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3550B

EPA 8270C

RunID: MS 13_090422B	QC Batch: 54912	PrepDate: 4/22/2009	Analyst: DMP			
1,2,4-Trichlorobenzene	ND	82	330	µg/Kg	1	4/23/2009 12:09 AM
1,2-Dichlorobenzene	ND	85	330	µg/Kg	1	4/23/2009 12:09 AM
1,3-Dichlorobenzene	ND	74	330	µg/Kg	1	4/23/2009 12:09 AM
1,4-Dichlorobenzene	ND	78	330	µg/Kg	1	4/23/2009 12:09 AM
2,4,5-Trichlorophenol	ND	56	330	µg/Kg	1	4/23/2009 12:09 AM
2,4,6-Trichlorophenol	ND	78	330	µg/Kg	1	4/23/2009 12:09 AM
2,4-Dichlorophenol	ND	87	1600	µg/Kg	1	4/23/2009 12:09 AM
2,4-Dimethylphenol	ND	88	330	µg/Kg	1	4/23/2009 12:09 AM
2,4-Dinitrophenol	ND	45	1600	µg/Kg	1	4/23/2009 12:09 AM
2,4-Dinitrotoluene	ND	67	330	µg/Kg	1	4/23/2009 12:09 AM
2,6-Dinitrotoluene	ND	67	330	µg/Kg	1	4/23/2009 12:09 AM
2-Chloronaphthalene	ND	70	330	µg/Kg	1	4/23/2009 12:09 AM
2-Chlorophenol	ND	89	330	µg/Kg	1	4/23/2009 12:09 AM
2-Methylnaphthalene	ND	78	330	µg/Kg	1	4/23/2009 12:09 AM
2-Methylphenol	ND	96	330	µg/Kg	1	4/23/2009 12:09 AM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-015A

Client Sample ID: 1001-103-10-S
Collection Date: 4/20/2009 11:15:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3550B

EPA 8270C

RunID: MS 13_090422B	QC Batch: 54912	PrepDate: 4/22/2009	Analyst: DMP
2-Nitroaniline	ND	79	1600
2-Nitrophenol	ND	70	330
3,3'-Dichlorobenzidine	ND	78	660
3-Nitroaniline	ND	60	1600
4,6-Dinitro-2-methylphenol	ND	63	1600
4-Bromophenyl-phenylether	ND	73	330
4-Chloro-3-methylphenol	ND	75	660
4-Chloroaniline	ND	73	660
4-Chlorophenyl-phenylether	ND	70	330
4-Methylphenol	ND	79	330
4-Nitroaniline	ND	60	1600
4-Nitrophenol	ND	71	1600
Acenaphthene	ND	70	330
Acenaphthylene	ND	69	330
Anthracene	ND	76	330
Benzidine (M)	ND	71	1600
Benzo(a)anthracene	ND	69	330
Benzo(a)pyrene	ND	82	330
Benzo(b)fluoranthene	ND	70	330
Benzo(g,h,i)perylene	ND	71	330
Benzo(k)fluoranthene	ND	98	330
Benzoic acid	ND	64	1600
Benzyl alcohol	ND	86	660
Bis(2-chloroethoxy)methane	ND	79	330
Bis(2-chloroethyl)ether	ND	81	330
Bis(2-chloroisopropyl)ether	ND	91	330
Bis(2-ethylhexyl)phthalate	ND	72	330
Butylbenzylphthalate	ND	72	330
Chrysene	ND	79	330
Di-n-butylphthalate	ND	78	330
Di-n-octylphthalate	ND	71	330
Dibenz(a,h)anthracene	ND	83	330
Dibenzofuran	ND	68	330
Diethylphthalate	ND	74	330
Dimethylphthalate	ND	69	330

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-015A

Client Sample ID: 1001-103-10-S
Collection Date: 4/20/2009 11:15:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3550B

EPA 8270C

RunID: MS 13_090422B	QC Batch: 54912	PrepDate: 4/22/2009	Analyst: DMP
Fluoranthene	ND	73	330
Fluorene	ND	69	330
Hexachlorobenzene	ND	76	330
Hexachlorobutadiene	ND	77	660
Hexachlorocyclopentadiene	ND	80	660
Hexachloroethane	ND	81	330
Indeno(1,2,3-cd)pyrene	ND	69	330
Isophorone	ND	85	330
N-Nitrosodi-n-propylamine	ND	82	330
N-Nitrosodiphenylamine	ND	79	330
Naphthalene	ND	86	330
Nitrobenzene	ND	82	330
Pentachlorophenol	ND	55	1600
Phenanthrene	ND	76	330
Phenol	ND	95	330
Pyrene	ND	77	330
Surr: 1,2-Dichlorobenzene-d4	85.6	0	49-103
Surr: 2,4,6-Tribromophenol	93.5	0	47-129
Surr: 2-Chlorophenol-d4	90.5	0	54-109
Surr: 2-Fluorobiphenyl	96.1	0	59-108
Surr: 2-Fluorophenol	87.9	0	50-111
Surr: 4-Terphenyl-d14	123	0	58-135
Surr: Nitrobenzene-d5	88.8	0	54-115
Surr: Phenol-d5	94.4	0	58-112

PH

EPA 9045C

RunID: WETCHEM_090421C	QC Batch: R108341	PrepDate:	Analyst: DDL
pH	7.8	0.10	0.10

Qualifiers:

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ANALYTICAL RESULTS

Print Date: 01-May-09

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Lab Order: 105139
Project: 207126015
Lab ID: 105139-015B

Client Sample ID: 1001-103-10-S
Collection Date: 4/20/2009 11:15:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS4_090421A	QC Batch: K09VS060	PrepDate: 4/21/2009	Analyst: HH
1,1,1,2-Tetrachloroethane	ND 0.85	4.4	µg/Kg 1 4/21/2009 03:05 PM
1,1,1-Trichloroethane	ND 1.2	4.4	µg/Kg 1 4/21/2009 03:05 PM
1,1,2,2-Tetrachloroethane	ND 2.7	4.4	µg/Kg 1 4/21/2009 03:05 PM
1,1,2-Trichloroethane	ND 1.1	4.4	µg/Kg 1 4/21/2009 03:05 PM
1,1-Dichloroethane	ND 0.54	4.4	µg/Kg 1 4/21/2009 03:05 PM
1,1-Dichloroethene	ND 0.40	4.4	µg/Kg 1 4/21/2009 03:05 PM
1,1-Dichloropropene	ND 1.9	4.4	µg/Kg 1 4/21/2009 03:05 PM
1,2,3-Trichlorobenzene	ND 3.3	4.4	µg/Kg 1 4/21/2009 03:05 PM
1,2,3-Trichloropropane	ND 2.0	4.4	µg/Kg 1 4/21/2009 03:05 PM
1,2,4-Trichlorobenzene	ND 2.1	4.4	µg/Kg 1 4/21/2009 03:05 PM
1,2,4-Trimethylbenzene	ND 0.92	4.4	µg/Kg 1 4/21/2009 03:05 PM
1,2-Dibromo-3-chloropropane	ND 2.8	8.8	µg/Kg 1 4/21/2009 03:05 PM
1,2-Dibromoethane	ND 0.86	4.4	µg/Kg 1 4/21/2009 03:05 PM
1,2-Dichlorobenzene	ND 1.9	4.4	µg/Kg 1 4/21/2009 03:05 PM
1,2-Dichloroethane	ND 1.6	4.4	µg/Kg 1 4/21/2009 03:05 PM
1,2-Dichloropropane	ND 1.4	4.4	µg/Kg 1 4/21/2009 03:05 PM
1,3,5-Trimethylbenzene	ND 0.69	4.4	µg/Kg 1 4/21/2009 03:05 PM
1,3-Dichlorobenzene	ND 1.5	4.4	µg/Kg 1 4/21/2009 03:05 PM
1,3-Dichloropropane	ND 0.28	4.4	µg/Kg 1 4/21/2009 03:05 PM
1,4-Dichlorobenzene	ND 1.6	4.4	µg/Kg 1 4/21/2009 03:05 PM
2,2-Dichloropropane	ND 0.42	4.4	µg/Kg 1 4/21/2009 03:05 PM
2-Chlorotoluene	ND 0.78	4.4	µg/Kg 1 4/21/2009 03:05 PM
4-Chlorotoluene	ND 1.0	4.4	µg/Kg 1 4/21/2009 03:05 PM
4-Isopropyltoluene	ND 0.98	4.4	µg/Kg 1 4/21/2009 03:05 PM
Benzene	ND 0.56	4.4	µg/Kg 1 4/21/2009 03:05 PM
Bromobenzene	ND 1.1	4.4	µg/Kg 1 4/21/2009 03:05 PM
Bromodichloromethane	ND 1.2	4.4	µg/Kg 1 4/21/2009 03:05 PM
Bromoform	ND 1.7	4.4	µg/Kg 1 4/21/2009 03:05 PM
Bromomethane	ND 0.60	4.4	µg/Kg 1 4/21/2009 03:05 PM
Carbon tetrachloride	ND 1.2	4.4	µg/Kg 1 4/21/2009 03:05 PM
Chlorobenzene	ND 0.57	4.4	µg/Kg 1 4/21/2009 03:05 PM
Chloroethane	ND 0.77	4.4	µg/Kg 1 4/21/2009 03:05 PM
Chloroform	ND 1.3	4.4	µg/Kg 1 4/21/2009 03:05 PM
Chloromethane	ND 0.34	4.4	µg/Kg 1 4/21/2009 03:05 PM
cis-1,2-Dichloroethene	ND 1.6	4.4	µg/Kg 1 4/21/2009 03:05 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
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	DO	Surrogate Diluted Out		



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Advanced Technology Laboratories**ANALYTICAL RESULTS**

Print Date: 01-May-09

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Lab Order: 105139
Project: 207126015
Lab ID: 105139-015B

Client Sample ID: 1001-103-10-S
Collection Date: 4/20/2009 11:15:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS**EPA 8260B**

RunID: MS4_090421A	QC Batch: K09VS060	PrepDate: 4/21/2009	Analyst: HH
cis-1,3-Dichloropropene	ND 0.66 4.4	µg/Kg 1	4/21/2009 03:05 PM
Dibromochloromethane	ND 0.63 4.4	µg/Kg 1	4/21/2009 03:05 PM
Dibromomethane	ND 1.0 4.4	µg/Kg 1	4/21/2009 03:05 PM
Dichlorodifluoromethane	ND 0.48 4.4	µg/Kg 1	4/21/2009 03:05 PM
Ethylbenzene	ND 0.28 4.4	µg/Kg 1	4/21/2009 03:05 PM
Hexachlorobutadiene	ND 2.0 4.4	µg/Kg 1	4/21/2009 03:05 PM
Isopropylbenzene	ND 0.50 4.4	µg/Kg 1	4/21/2009 03:05 PM
m,p-Xylene	ND 0.61 8.8	µg/Kg 1	4/21/2009 03:05 PM
Methylene chloride	ND 4.4 4.4	µg/Kg 1	4/21/2009 03:05 PM
n-Butylbenzene	ND 1.1 4.4	µg/Kg 1	4/21/2009 03:05 PM
n-Propylbenzene	ND 0.60 4.4	µg/Kg 1	4/21/2009 03:05 PM
Naphthalene	ND 2.2 4.4	µg/Kg 1	4/21/2009 03:05 PM
o-Xylene	ND 0.44 4.4	µg/Kg 1	4/21/2009 03:05 PM
sec-Butylbenzene	ND 0.92 4.4	µg/Kg 1	4/21/2009 03:05 PM
Styrene	ND 0.53 4.4	µg/Kg 1	4/21/2009 03:05 PM
tert-Butylbenzene	ND 0.92 4.4	µg/Kg 1	4/21/2009 03:05 PM
Tetrachloroethene	ND 0.93 4.4	µg/Kg 1	4/21/2009 03:05 PM
Toluene	ND 0.49 4.4	µg/Kg 1	4/21/2009 03:05 PM
trans-1,2-Dichloroethene	ND 0.47 4.4	µg/Kg 1	4/21/2009 03:05 PM
Trichloroethene	ND 1.3 4.4	µg/Kg 1	4/21/2009 03:05 PM
Trichlorofluoromethane	ND 0.49 4.4	µg/Kg 1	4/21/2009 03:05 PM
Vinyl chloride	ND 0.37 4.4	µg/Kg 1	4/21/2009 03:05 PM
Surr: 1,2-Dichloroethane-d4	114 0 68-147	%REC 1	4/21/2009 03:05 PM
Surr: 4-Bromofluorobenzene	104 0 67-127	%REC 1	4/21/2009 03:05 PM
Surr: Dibromofluoromethane	112 0 72-141	%REC 1	4/21/2009 03:05 PM
Surr: Toluene-d8	111 0 75-120	%REC 1	4/21/2009 03:05 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
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	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

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Lab Order: 105139
Project: 207126015
Lab ID: 105139-015E

Client Sample ID: 1001-103-10-S
Collection Date: 4/20/2009 11:15:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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GASOLINE RANGE ORGANICS BY GC/FID

EPA 8015B(M)

RunID: GC2_090421B	QC Batch: E09VS105	PrepDate: 4/20/2009	Analyst: KHN		
GRO	ND 0.15	1.0	mg/Kg	1	4/21/2009 11:17 PM
Surr: Bromofluorobenzene (FID)	97.3 0	59-145	%REC	1	4/21/2009 11:17 PM

HYDROCARBON CHAIN IDENTIFICATION

EPA 8015B

RunID: GC2_090421B	QC Batch: E09VS105	PrepDate: 4/20/2009	Analyst: KHN		
T/R Hydrocarbons: C4-C12	ND 0.20	1.0	mg/Kg	1	4/21/2009 11:17 PM
Surr: Bromofluorobenzene (FID)	97.3 0	59-145	%REC	1	4/21/2009 11:17 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-016A

Client Sample ID: 1001-103-20-S
Collection Date: 4/20/2009 11:20:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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ICP METALS

EPA 3050B		EPA 6010B	
RunID: ICP8_090424H	QC Batch: 54942	PrepDate: 4/23/2009	Analyst: CL
Antimony	ND 0.28	2.0	mg/Kg 1 4/24/2009 07:48 PM
Arsenic	ND 0.27	1.0	mg/Kg 1 4/24/2009 07:48 PM
Barium	140 0.13	1.0	mg/Kg 1 4/24/2009 07:48 PM
Beryllium	ND 0.055	1.0	mg/Kg 1 4/24/2009 07:48 PM
Cadmium	ND 0.0064	1.0	mg/Kg 1 4/24/2009 07:48 PM
Chromium	21 0.088	1.0	mg/Kg 1 4/24/2009 07:48 PM
Cobalt	9.0 0.014	1.0	mg/Kg 1 4/24/2009 07:48 PM
Copper	23 0.26	2.0	mg/Kg 1 4/24/2009 07:48 PM
Lead	ND 0.11	1.0	mg/Kg 1 4/24/2009 07:48 PM
Molybdenum	ND 0.043	1.0	mg/Kg 1 4/24/2009 07:48 PM
Nickel	15 0.032	1.0	mg/Kg 1 4/24/2009 07:48 PM
Selenium	ND 0.43	1.0	mg/Kg 1 4/24/2009 07:48 PM
Silver	ND 0.017	1.0	mg/Kg 1 4/24/2009 07:48 PM
Thallium	ND 0.23	1.0	mg/Kg 1 4/24/2009 07:48 PM
Vanadium	52 0.019	1.0	mg/Kg 1 4/24/2009 07:48 PM
Zinc	48 0.19	1.0	mg/Kg 1 4/24/2009 07:48 PM

HEXAVALENT CHROMIUM

EPA 7196A	
RunID: WETCHEM3_090424C	QC Batch: 54996
PrepDate: 4/23/2009	Analyst: CBB
Chromium, Hexavalent	ND 0.074 0.10 mg/Kg 1 4/24/2009

DIESEL RANGE ORGANICS BY GC/FID LUFT

EPA 8015B(M)	
RunID: GC16_090425A	QC Batch: 54919
PrepDate: 4/22/2009	Analyst: CBR
DRO	32 10 10 mg/Kg 1 4/25/2009 02:23 PM
Surr: p-Terphenyl	98.0 0 57-144 %REC 1 4/25/2009 02:23 PM

HYDROCARBON CHAIN IDENTIFICATION LUFT

EPA 8015B(M)	
RunID: GC16_090425A	QC Batch: 54919
PrepDate: 4/22/2009	Analyst: CBR
T/R Hydrocarbons: C13-C22	14 10 10 mg/Kg 1 4/25/2009 02:23 PM
T/R Hydrocarbons: C23-C32	12 10 10 mg/Kg 1 4/25/2009 02:23 PM
T/R Hydrocarbons:>C32	ND 10 10 mg/Kg 1 4/25/2009 02:23 PM
Surr: p-Terphenyl	98.0 0 57-144 %REC 1 4/25/2009 02:23 PM

Qualifiers:	B Analyte detected in the associated Method Blank	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	ND Not Detected at the Reporting Limit
	S Spike/Surrogate outside of limits due to matrix interference	Results are wet unless otherwise specified
	DO Surrogate Diluted Out	



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Project: 207126015
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Client Sample ID: 1001-103-20-S
Collection Date: 4/20/2009 11:20:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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PCBS BY GC/ECD**EPA 3550B****EPA 8082**

RunID: GC4_090422A	QC Batch: 54929			PrepDate: 4/22/2009	Analyst: BB
Aroclor 1016	ND	5.0	16	µg/Kg	1 4/22/2009 11:12 PM
Aroclor 1221	ND	5.0	33	µg/Kg	1 4/22/2009 11:12 PM
Aroclor 1232	ND	5.0	16	µg/Kg	1 4/22/2009 11:12 PM
Aroclor 1242	ND	5.0	16	µg/Kg	1 4/22/2009 11:12 PM
Aroclor 1248	ND	5.0	16	µg/Kg	1 4/22/2009 11:12 PM
Aroclor 1254	ND	5.0	16	µg/Kg	1 4/22/2009 11:12 PM
Aroclor 1260	ND	5.0	16	µg/Kg	1 4/22/2009 11:12 PM
Aroclor 1262	ND	5.0	16	µg/Kg	1 4/22/2009 11:12 PM
Aroclor 1268	ND	5.0	16	µg/Kg	1 4/22/2009 11:12 PM
Surr: Decachlorobiphenyl	87.9	0	30-124	%REC	1 4/22/2009 11:12 PM
Surr: Tetrachloro-m-xylene	94.4	0	40-118	%REC	1 4/22/2009 11:12 PM

MERCURY BY COLD VAPOR TECHNIQUE**EPA 7471A**

RunID: AA5_090422D	QC Batch: 54901			PrepDate: 4/22/2009	Analyst: RQ
Mercury	ND	0.021	0.10	mg/Kg	1 4/22/2009 03:43 PM

SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS**EPA 3550B****EPA 8270C**

RunID: MS 13_090422B	QC Batch: 54912			PrepDate: 4/22/2009	Analyst: DMP
1,2,4-Trichlorobenzene	ND	82	330	µg/Kg	1 4/22/2009 11:42 PM
1,2-Dichlorobenzene	ND	85	330	µg/Kg	1 4/22/2009 11:42 PM
1,3-Dichlorobenzene	ND	74	330	µg/Kg	1 4/22/2009 11:42 PM
1,4-Dichlorobenzene	ND	78	330	µg/Kg	1 4/22/2009 11:42 PM
2,4,5-Trichlorophenol	ND	56	330	µg/Kg	1 4/22/2009 11:42 PM
2,4,6-Trichlorophenol	ND	78	330	µg/Kg	1 4/22/2009 11:42 PM
2,4-Dichlorophenol	ND	87	1600	µg/Kg	1 4/22/2009 11:42 PM
2,4-Dimethylphenol	ND	88	330	µg/Kg	1 4/22/2009 11:42 PM
2,4-Dinitrophenol	ND	45	1600	µg/Kg	1 4/22/2009 11:42 PM
2,4-Dinitrotoluene	ND	67	330	µg/Kg	1 4/22/2009 11:42 PM
2,6-Dinitrotoluene	ND	67	330	µg/Kg	1 4/22/2009 11:42 PM
2-Chloronaphthalene	ND	70	330	µg/Kg	1 4/22/2009 11:42 PM
2-Chlorophenol	ND	89	330	µg/Kg	1 4/22/2009 11:42 PM
2-Methylnaphthalene	ND	78	330	µg/Kg	1 4/22/2009 11:42 PM
2-Methylphenol	ND	96	330	µg/Kg	1 4/22/2009 11:42 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
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Client Sample ID: 1001-103-20-S
Collection Date: 4/20/2009 11:20:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3550B

EPA 8270C

RunID: MS 13_090422B	QC Batch: 54912	PrepDate: 4/22/2009	Analyst: DMP
2-Nitroaniline	ND	79	1600
2-Nitrophenol	ND	70	330
3,3'-Dichlorobenzidine	ND	78	660
3-Nitroaniline	ND	60	1600
4,6-Dinitro-2-methylphenol	ND	63	1600
4-Bromophenyl-phenylether	ND	73	330
4-Chloro-3-methylphenol	ND	75	660
4-Chloroaniline	ND	73	660
4-Chlorophenyl-phenylether	ND	70	330
4-Methylphenol	ND	79	330
4-Nitroaniline	ND	60	1600
4-Nitrophenol	ND	71	1600
Acenaphthene	ND	70	330
Acenaphthylene	ND	69	330
Anthracene	ND	76	330
Benzidine (M)	ND	71	1600
Benzo(a)anthracene	ND	69	330
Benzo(a)pyrene	ND	82	330
Benzo(b)fluoranthene	ND	70	330
Benzo(g,h,i)perylene	ND	71	330
Benzo(k)fluoranthene	ND	98	330
Benzoic acid	ND	64	1600
Benzyl alcohol	ND	86	660
Bis(2-chloroethoxy)methane	ND	79	330
Bis(2-chloroethyl)ether	ND	81	330
Bis(2-chloroisopropyl)ether	ND	91	330
Bis(2-ethylhexyl)phthalate	ND	72	330
Butylbenzylphthalate	ND	72	330
Chrysene	ND	79	330
Di-n-butylphthalate	ND	78	330
Di-n-octylphthalate	ND	71	330
Dibenz(a,h)anthracene	ND	83	330
Dibenzofuran	ND	68	330
Diethylphthalate	ND	74	330
Dimethylphthalate	ND	69	330

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
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Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3550B

EPA 8270C

RunID: MS 13_090422B	QC Batch: 54912	PrepDate: 4/22/2009	Analyst: DMP
Fluoranthene	ND	73	330
Fluorene	ND	69	330
Hexachlorobenzene	ND	76	330
Hexachlorobutadiene	ND	77	660
Hexachlorocyclopentadiene	ND	80	660
Hexachloroethane	ND	81	330
Indeno(1,2,3-cd)pyrene	ND	69	330
Isophorone	ND	85	330
N-Nitrosodi-n-propylamine	ND	82	330
N-Nitrosodiphenylamine	ND	79	330
Naphthalene	ND	86	330
Nitrobenzene	ND	82	330
Pentachlorophenol	ND	55	1600
Phenanthrene	ND	76	330
Phenol	ND	95	330
Pyrene	ND	77	330
Surr: 1,2-Dichlorobenzene-d4	82.8	0	49-103
Surr: 2,4,6-Tribromophenol	95.9	0	47-129
Surr: 2-Chlorophenol-d4	88.4	0	54-109
Surr: 2-Fluorobiphenyl	94.4	0	59-108
Surr: 2-Fluorophenol	86.5	0	50-111
Surr: 4-Terphenyl-d14	123	0	58-135
Surr: Nitrobenzene-d5	87.7	0	54-115
Surr: Phenol-d5	92.8	0	58-112

PH

EPA 9045C

RunID: WETCHEM_090421C	QC Batch: R108341	PrepDate:	Analyst: DDL
pH	7.8	0.10	0.10

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-016B

Client Sample ID: 1001-103-20-S
Collection Date: 4/20/2009 11:20:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS4_090421A	QC Batch: K09VS060	PrepDate: 4/21/2009	Analyst: HH
1,1,1,2-Tetrachloroethane	ND 0.90	4.7	µg/Kg 1 4/21/2009 03:23 PM
1,1,1-Trichloroethane	ND 1.3	4.7	µg/Kg 1 4/21/2009 03:23 PM
1,1,2,2-Tetrachloroethane	ND 2.9	4.7	µg/Kg 1 4/21/2009 03:23 PM
1,1,2-Trichloroethane	ND 1.2	4.7	µg/Kg 1 4/21/2009 03:23 PM
1,1-Dichloroethane	ND 0.57	4.7	µg/Kg 1 4/21/2009 03:23 PM
1,1-Dichloroethene	ND 0.42	4.7	µg/Kg 1 4/21/2009 03:23 PM
1,1-Dichloropropene	ND 2.0	4.7	µg/Kg 1 4/21/2009 03:23 PM
1,2,3-Trichlorobenzene	ND 3.5	4.7	µg/Kg 1 4/21/2009 03:23 PM
1,2,3-Trichloropropane	ND 2.2	4.7	µg/Kg 1 4/21/2009 03:23 PM
1,2,4-Trichlorobenzene	ND 2.2	4.7	µg/Kg 1 4/21/2009 03:23 PM
1,2,4-Trimethylbenzene	ND 0.98	4.7	µg/Kg 1 4/21/2009 03:23 PM
1,2-Dibromo-3-chloropropane	ND 3.0	9.4	µg/Kg 1 4/21/2009 03:23 PM
1,2-Dibromoethane	ND 0.91	4.7	µg/Kg 1 4/21/2009 03:23 PM
1,2-Dichlorobenzene	ND 2.0	4.7	µg/Kg 1 4/21/2009 03:23 PM
1,2-Dichloroethane	ND 1.7	4.7	µg/Kg 1 4/21/2009 03:23 PM
1,2-Dichloropropane	ND 1.5	4.7	µg/Kg 1 4/21/2009 03:23 PM
1,3,5-Trimethylbenzene	ND 0.73	4.7	µg/Kg 1 4/21/2009 03:23 PM
1,3-Dichlorobenzene	ND 1.6	4.7	µg/Kg 1 4/21/2009 03:23 PM
1,3-Dichloropropane	ND 0.30	4.7	µg/Kg 1 4/21/2009 03:23 PM
1,4-Dichlorobenzene	ND 1.7	4.7	µg/Kg 1 4/21/2009 03:23 PM
2,2-Dichloropropane	ND 0.45	4.7	µg/Kg 1 4/21/2009 03:23 PM
2-Chlorotoluene	ND 0.84	4.7	µg/Kg 1 4/21/2009 03:23 PM
4-Chlorotoluene	ND 1.1	4.7	µg/Kg 1 4/21/2009 03:23 PM
4-Isopropyltoluene	ND 1.0	4.7	µg/Kg 1 4/21/2009 03:23 PM
Benzene	ND 0.60	4.7	µg/Kg 1 4/21/2009 03:23 PM
Bromobenzene	ND 1.2	4.7	µg/Kg 1 4/21/2009 03:23 PM
Bromodichloromethane	ND 1.2	4.7	µg/Kg 1 4/21/2009 03:23 PM
Bromoform	ND 1.9	4.7	µg/Kg 1 4/21/2009 03:23 PM
Bromomethane	ND 0.64	4.7	µg/Kg 1 4/21/2009 03:23 PM
Carbon tetrachloride	ND 1.3	4.7	µg/Kg 1 4/21/2009 03:23 PM
Chlorobenzene	ND 0.61	4.7	µg/Kg 1 4/21/2009 03:23 PM
Chloroethane	ND 0.82	4.7	µg/Kg 1 4/21/2009 03:23 PM
Chloroform	ND 1.4	4.7	µg/Kg 1 4/21/2009 03:23 PM
Chloromethane	ND 0.36	4.7	µg/Kg 1 4/21/2009 03:23 PM
cis-1,2-Dichloroethene	ND 1.7	4.7	µg/Kg 1 4/21/2009 03:23 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-016B

Client Sample ID: 1001-103-20-S
Collection Date: 4/20/2009 11:20:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS4_090421A	QC Batch: K09VS060	PrepDate: 4/21/2009	Analyst: HH
cis-1,3-Dichloropropene	ND 0.71	4.7	µg/Kg 1 4/21/2009 03:23 PM
Dibromochloromethane	ND 0.68	4.7	µg/Kg 1 4/21/2009 03:23 PM
Dibromomethane	ND 1.1	4.7	µg/Kg 1 4/21/2009 03:23 PM
Dichlorodifluoromethane	ND 0.51	4.7	µg/Kg 1 4/21/2009 03:23 PM
Ethylbenzene	ND 0.30	4.7	µg/Kg 1 4/21/2009 03:23 PM
Hexachlorobutadiene	ND 2.1	4.7	µg/Kg 1 4/21/2009 03:23 PM
Isopropylbenzene	ND 0.54	4.7	µg/Kg 1 4/21/2009 03:23 PM
m,p-Xylene	ND 0.65	9.4	µg/Kg 1 4/21/2009 03:23 PM
Methylene chloride	ND 4.7	4.7	µg/Kg 1 4/21/2009 03:23 PM
n-Butylbenzene	ND 1.1	4.7	µg/Kg 1 4/21/2009 03:23 PM
n-Propylbenzene	ND 0.64	4.7	µg/Kg 1 4/21/2009 03:23 PM
Naphthalene	ND 2.4	4.7	µg/Kg 1 4/21/2009 03:23 PM
o-Xylene	ND 0.47	4.7	µg/Kg 1 4/21/2009 03:23 PM
sec-Butylbenzene	ND 0.98	4.7	µg/Kg 1 4/21/2009 03:23 PM
Styrene	ND 0.56	4.7	µg/Kg 1 4/21/2009 03:23 PM
tert-Butylbenzene	ND 0.98	4.7	µg/Kg 1 4/21/2009 03:23 PM
Tetrachloroethene	ND 0.99	4.7	µg/Kg 1 4/21/2009 03:23 PM
Toluene	ND 0.53	4.7	µg/Kg 1 4/21/2009 03:23 PM
trans-1,2-Dichloroethene	ND 0.50	4.7	µg/Kg 1 4/21/2009 03:23 PM
Trichloroethene	ND 1.4	4.7	µg/Kg 1 4/21/2009 03:23 PM
Trichlorofluoromethane	ND 0.52	4.7	µg/Kg 1 4/21/2009 03:23 PM
Vinyl chloride	ND 0.40	4.7	µg/Kg 1 4/21/2009 03:23 PM
Surr: 1,2-Dichloroethane-d4	120 0	68-147	%REC 1 4/21/2009 03:23 PM
Surr: 4-Bromofluorobenzene	108 0	67-127	%REC 1 4/21/2009 03:23 PM
Surr: Dibromofluoromethane	115 0	72-141	%REC 1 4/21/2009 03:23 PM
Surr: Toluene-d8	108 0	75-120	%REC 1 4/21/2009 03:23 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-016E

Client Sample ID: 1001-103-20-S
Collection Date: 4/20/2009 11:20:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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GASOLINE RANGE ORGANICS BY GC/FID

EPA 8015B(M)

RunID: GC2_090421B	QC Batch: E09VS105	PrepDate: 4/20/2009	Analyst: KHN		
GRO	ND 0.13	0.86	mg/Kg	1	4/21/2009 11:33 PM
Surr: Bromofluorobenzene (FID)	110 0	59-145	%REC	1	4/21/2009 11:33 PM

HYDROCARBON CHAIN IDENTIFICATION

EPA 8015B

RunID: GC2_090421B	QC Batch: E09VS105	PrepDate: 4/20/2009	Analyst: KHN		
T/R Hydrocarbons: C4-C12	ND 0.17	0.86	mg/Kg	1	4/21/2009 11:33 PM
Surr: Bromofluorobenzene (FID)	110 0	59-145	%REC	1	4/21/2009 11:33 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-017A

Client Sample ID: 1001-104-2-S
Collection Date: 4/20/2009 11:50:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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ICP METALS

EPA 3050B		EPA 6010B			
RunID: ICP8_090424H	QC Batch: 54942	PrepDate: 4/23/2009	Analyst: CL		
Antimony	ND 0.28	2.0	mg/Kg	1	4/24/2009 07:51 PM
Arsenic	ND 0.27	1.0	mg/Kg	1	4/24/2009 07:51 PM
Barium	180 0.13	1.0	mg/Kg	1	4/24/2009 07:51 PM
Beryllium	ND 0.055	1.0	mg/Kg	1	4/24/2009 07:51 PM
Cadmium	2.0 0.0064	1.0	mg/Kg	1	4/24/2009 07:51 PM
Chromium	24 0.088	1.0	mg/Kg	1	4/24/2009 07:51 PM
Cobalt	8.5 0.014	1.0	mg/Kg	1	4/24/2009 07:51 PM
Copper	35 0.26	2.0	mg/Kg	1	4/24/2009 07:51 PM
Lead	42 0.11	1.0	mg/Kg	1	4/24/2009 07:51 PM
Molybdenum	ND 0.043	1.0	mg/Kg	1	4/24/2009 07:51 PM
Nickel	16 0.032	1.0	mg/Kg	1	4/24/2009 07:51 PM
Selenium	ND 0.43	1.0	mg/Kg	1	4/24/2009 07:51 PM
Silver	ND 0.017	1.0	mg/Kg	1	4/24/2009 07:51 PM
Thallium	ND 0.23	1.0	mg/Kg	1	4/24/2009 07:51 PM
Vanadium	49 0.019	1.0	mg/Kg	1	4/24/2009 07:51 PM
Zinc	260 0.19	1.0	mg/Kg	1	4/24/2009 07:51 PM

HEXAVALENT CHROMIUM

EPA 7196A			
RunID: WETCHEM3_090424C	QC Batch: 54996	PrepDate: 4/23/2009	Analyst: CBB
Chromium, Hexavalent	ND 0.074	0.10	mg/Kg 1 4/24/2009

DIESEL RANGE ORGANICS BY GC/FID LUFT

EPA 8015B(M)			
RunID: GC16_090425A	QC Batch: 54919	PrepDate: 4/22/2009	Analyst: CBR
DRO	37 10	10	mg/Kg 1 4/25/2009 02:32 PM
Surr: p-Terphenyl	102 0	57-144	%REC 1 4/25/2009 02:32 PM

HYDROCARBON CHAIN IDENTIFICATION LUFT

EPA 8015B(M)			
RunID: GC16_090425A	QC Batch: 54919	PrepDate: 4/22/2009	Analyst: CBR
T/R Hydrocarbons: C13-C22	20 10	10	mg/Kg 1 4/25/2009 02:32 PM
T/R Hydrocarbons: C23-C32	21 10	10	mg/Kg 1 4/25/2009 02:32 PM
T/R Hydrocarbons:>C32	ND 10	10	mg/Kg 1 4/25/2009 02:32 PM
Surr: p-Terphenyl	102 0	57-144	%REC 1 4/25/2009 02:32 PM

Qualifiers:	B Analyte detected in the associated Method Blank	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	ND Not Detected at the Reporting Limit
	S Spike/Surrogate outside of limits due to matrix interference	Results are wet unless otherwise specified
	DO Surrogate Diluted Out	



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Advanced Technology Laboratories**ANALYTICAL RESULTS**

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-017A

Client Sample ID: 1001-104-2-S
Collection Date: 4/20/2009 11:50:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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PCBS BY GC/ECD**EPA 3550B****EPA 8082**

RunID: GC4_090422A	QC Batch: 54929			PrepDate: 4/22/2009	Analyst: BB
Aroclor 1016	ND	5.0	16	µg/Kg	1 4/22/2009 11:42 PM
Aroclor 1221	ND	5.0	33	µg/Kg	1 4/22/2009 11:42 PM
Aroclor 1232	ND	5.0	16	µg/Kg	1 4/22/2009 11:42 PM
Aroclor 1242	ND	5.0	16	µg/Kg	1 4/22/2009 11:42 PM
Aroclor 1248	ND	5.0	16	µg/Kg	1 4/22/2009 11:42 PM
Aroclor 1254	ND	5.0	16	µg/Kg	1 4/22/2009 11:42 PM
Aroclor 1260	28	5.0	16	µg/Kg	1 4/22/2009 11:42 PM
Aroclor 1262	ND	5.0	16	µg/Kg	1 4/22/2009 11:42 PM
Aroclor 1268	ND	5.0	16	µg/Kg	1 4/22/2009 11:42 PM
Surr: Decachlorobiphenyl	59.3	0	30-124	%REC	1 4/22/2009 11:42 PM
Surr: Tetrachloro-m-xylene	67.7	0	40-118	%REC	1 4/22/2009 11:42 PM

MERCURY BY COLD VAPOR TECHNIQUE**EPA 7471A**

RunID: AA5_090422D	QC Batch: 54901			PrepDate: 4/22/2009	Analyst: RQ
Mercury	ND	0.021	0.10	mg/Kg	1 4/22/2009 03:49 PM

SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS**EPA 3550B****EPA 8270C**

RunID: MS 13_090422B	QC Batch: 54912			PrepDate: 4/22/2009	Analyst: DMP
1,2,4-Trichlorobenzene	ND	82	330	µg/Kg	1 4/23/2009 12:37 AM
1,2-Dichlorobenzene	ND	85	330	µg/Kg	1 4/23/2009 12:37 AM
1,3-Dichlorobenzene	ND	74	330	µg/Kg	1 4/23/2009 12:37 AM
1,4-Dichlorobenzene	ND	78	330	µg/Kg	1 4/23/2009 12:37 AM
2,4,5-Trichlorophenol	ND	56	330	µg/Kg	1 4/23/2009 12:37 AM
2,4,6-Trichlorophenol	ND	78	330	µg/Kg	1 4/23/2009 12:37 AM
2,4-Dichlorophenol	ND	87	1600	µg/Kg	1 4/23/2009 12:37 AM
2,4-Dimethylphenol	ND	88	330	µg/Kg	1 4/23/2009 12:37 AM
2,4-Dinitrophenol	ND	45	1600	µg/Kg	1 4/23/2009 12:37 AM
2,4-Dinitrotoluene	ND	67	330	µg/Kg	1 4/23/2009 12:37 AM
2,6-Dinitrotoluene	ND	67	330	µg/Kg	1 4/23/2009 12:37 AM
2-Chloronaphthalene	ND	70	330	µg/Kg	1 4/23/2009 12:37 AM
2-Chlorophenol	ND	89	330	µg/Kg	1 4/23/2009 12:37 AM
2-Methylnaphthalene	ND	78	330	µg/Kg	1 4/23/2009 12:37 AM
2-Methylphenol	ND	96	330	µg/Kg	1 4/23/2009 12:37 AM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-017A

Client Sample ID: 1001-104-2-S
Collection Date: 4/20/2009 11:50:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3550B

EPA 8270C

RunID: MS 13_090422B	QC Batch: 54912	PrepDate: 4/22/2009	Analyst: DMP
2-Nitroaniline	ND	79	1600
2-Nitrophenol	ND	70	330
3,3'-Dichlorobenzidine	ND	78	660
3-Nitroaniline	ND	60	1600
4,6-Dinitro-2-methylphenol	ND	63	1600
4-Bromophenyl-phenylether	ND	73	330
4-Chloro-3-methylphenol	ND	75	660
4-Chloroaniline	ND	73	660
4-Chlorophenyl-phenylether	ND	70	330
4-Methylphenol	ND	79	330
4-Nitroaniline	ND	60	1600
4-Nitrophenol	ND	71	1600
Acenaphthene	ND	70	330
Acenaphthylene	ND	69	330
Anthracene	ND	76	330
Benzidine (M)	ND	71	1600
Benzo(a)anthracene	ND	69	330
Benzo(a)pyrene	ND	82	330
Benzo(b)fluoranthene	ND	70	330
Benzo(g,h,i)perylene	ND	71	330
Benzo(k)fluoranthene	ND	98	330
Benzoic acid	ND	64	1600
Benzyl alcohol	ND	86	660
Bis(2-chloroethoxy)methane	ND	79	330
Bis(2-chloroethyl)ether	ND	81	330
Bis(2-chloroisopropyl)ether	ND	91	330
Bis(2-ethylhexyl)phthalate	ND	72	330
Butylbenzylphthalate	ND	72	330
Chrysene	ND	79	330
Di-n-butylphthalate	ND	78	330
Di-n-octylphthalate	ND	71	330
Dibenz(a,h)anthracene	ND	83	330
Dibenzofuran	ND	68	330
Diethylphthalate	ND	74	330
Dimethylphthalate	ND	69	330

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-017A

Client Sample ID: 1001-104-2-S
Collection Date: 4/20/2009 11:50:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3550B

EPA 8270C

RunID: MS 13_090422B	QC Batch: 54912	PrepDate: 4/22/2009	Analyst: DMP
Fluoranthene	ND	73	330
Fluorene	ND	69	330
Hexachlorobenzene	ND	76	330
Hexachlorobutadiene	ND	77	660
Hexachlorocyclopentadiene	ND	80	660
Hexachloroethane	ND	81	330
Indeno(1,2,3-cd)pyrene	ND	69	330
Isophorone	ND	85	330
N-Nitrosodi-n-propylamine	ND	82	330
N-Nitrosodiphenylamine	ND	79	330
Naphthalene	ND	86	330
Nitrobenzene	ND	82	330
Pentachlorophenol	ND	55	1600
Phenanthrene	ND	76	330
Phenol	ND	95	330
Pyrene	ND	77	330
Surr: 1,2-Dichlorobenzene-d4	87.2	0	49-103
Surr: 2,4,6-Tribromophenol	94.4	0	47-129
Surr: 2-Chlorophenol-d4	94.0	0	54-109
Surr: 2-Fluorobiphenyl	97.3	0	59-108
Surr: 2-Fluorophenol	90.4	0	50-111
Surr: 4-Terphenyl-d14	119	0	58-135
Surr: Nitrobenzene-d5	92.6	0	54-115
Surr: Phenol-d5	96.3	0	58-112

PH

EPA 9045C

RunID: WETCHEM_090421C	QC Batch: R108341	PrepDate:	Analyst: DDL
pH	7.6	0.10	0.10

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-017B

Client Sample ID: 1001-104-2-S
Collection Date: 4/20/2009 11:50:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS4_090421A	QC Batch: K09VS060	PrepDate: 4/21/2009	Analyst: HH
1,1,1,2-Tetrachloroethane	ND 1.1	5.9	µg/Kg 1 4/21/2009 03:40 PM
1,1,1-Trichloroethane	ND 1.6	5.9	µg/Kg 1 4/21/2009 03:40 PM
1,1,2,2-Tetrachloroethane	ND 3.6	5.9	µg/Kg 1 4/21/2009 03:40 PM
1,1,2-Trichloroethane	ND 1.5	5.9	µg/Kg 1 4/21/2009 03:40 PM
1,1-Dichloroethane	ND 0.71	5.9	µg/Kg 1 4/21/2009 03:40 PM
1,1-Dichloroethene	ND 0.53	5.9	µg/Kg 1 4/21/2009 03:40 PM
1,1-Dichloropropene	ND 2.5	5.9	µg/Kg 1 4/21/2009 03:40 PM
1,2,3-Trichlorobenzene	ND 4.4	5.9	µg/Kg 1 4/21/2009 03:40 PM
1,2,3-Trichloropropane	ND 2.7	5.9	µg/Kg 1 4/21/2009 03:40 PM
1,2,4-Trichlorobenzene	ND 2.7	5.9	µg/Kg 1 4/21/2009 03:40 PM
1,2,4-Trimethylbenzene	ND 1.2	5.9	µg/Kg 1 4/21/2009 03:40 PM
1,2-Dibromo-3-chloropropane	ND 3.7	12	µg/Kg 1 4/21/2009 03:40 PM
1,2-Dibromoethane	ND 1.1	5.9	µg/Kg 1 4/21/2009 03:40 PM
1,2-Dichlorobenzene	ND 2.5	5.9	µg/Kg 1 4/21/2009 03:40 PM
1,2-Dichloroethane	ND 2.2	5.9	µg/Kg 1 4/21/2009 03:40 PM
1,2-Dichloropropane	ND 1.8	5.9	µg/Kg 1 4/21/2009 03:40 PM
1,3,5-Trimethylbenzene	ND 0.91	5.9	µg/Kg 1 4/21/2009 03:40 PM
1,3-Dichlorobenzene	ND 2.0	5.9	µg/Kg 1 4/21/2009 03:40 PM
1,3-Dichloropropane	ND 0.37	5.9	µg/Kg 1 4/21/2009 03:40 PM
1,4-Dichlorobenzene	ND 2.1	5.9	µg/Kg 1 4/21/2009 03:40 PM
2,2-Dichloropropane	ND 0.56	5.9	µg/Kg 1 4/21/2009 03:40 PM
2-Chlorotoluene	ND 1.0	5.9	µg/Kg 1 4/21/2009 03:40 PM
4-Chlorotoluene	ND 1.3	5.9	µg/Kg 1 4/21/2009 03:40 PM
4-Isopropyltoluene	ND 1.3	5.9	µg/Kg 1 4/21/2009 03:40 PM
Benzene	ND 0.75	5.9	µg/Kg 1 4/21/2009 03:40 PM
Bromobenzene	ND 1.5	5.9	µg/Kg 1 4/21/2009 03:40 PM
Bromodichloromethane	ND 1.5	5.9	µg/Kg 1 4/21/2009 03:40 PM
Bromoform	ND 2.3	5.9	µg/Kg 1 4/21/2009 03:40 PM
Bromomethane	ND 0.80	5.9	µg/Kg 1 4/21/2009 03:40 PM
Carbon tetrachloride	ND 1.6	5.9	µg/Kg 1 4/21/2009 03:40 PM
Chlorobenzene	ND 0.76	5.9	µg/Kg 1 4/21/2009 03:40 PM
Chloroethane	ND 1.0	5.9	µg/Kg 1 4/21/2009 03:40 PM
Chloroform	ND 1.7	5.9	µg/Kg 1 4/21/2009 03:40 PM
Chloromethane	ND 0.44	5.9	µg/Kg 1 4/21/2009 03:40 PM
cis-1,2-Dichloroethene	ND 2.1	5.9	µg/Kg 1 4/21/2009 03:40 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-017B

Client Sample ID: 1001-104-2-S
Collection Date: 4/20/2009 11:50:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS4_090421A	QC Batch: K09VS060	PrepDate: 4/21/2009	Analyst: HH
cis-1,3-Dichloropropene	ND 0.88	5.9	µg/Kg 1 4/21/2009 03:40 PM
Dibromochloromethane	ND 0.84	5.9	µg/Kg 1 4/21/2009 03:40 PM
Dibromomethane	ND 1.4	5.9	µg/Kg 1 4/21/2009 03:40 PM
Dichlorodifluoromethane	ND 0.63	5.9	µg/Kg 1 4/21/2009 03:40 PM
Ethylbenzene	ND 0.37	5.9	µg/Kg 1 4/21/2009 03:40 PM
Hexachlorobutadiene	ND 2.6	5.9	µg/Kg 1 4/21/2009 03:40 PM
Isopropylbenzene	ND 0.67	5.9	µg/Kg 1 4/21/2009 03:40 PM
m,p-Xylene	ND 0.81	12	µg/Kg 1 4/21/2009 03:40 PM
Methylene chloride	ND 5.9	5.9	µg/Kg 1 4/21/2009 03:40 PM
n-Butylbenzene	ND 1.4	5.9	µg/Kg 1 4/21/2009 03:40 PM
n-Propylbenzene	ND 0.80	5.9	µg/Kg 1 4/21/2009 03:40 PM
Naphthalene	ND 2.9	5.9	µg/Kg 1 4/21/2009 03:40 PM
o-Xylene	ND 0.59	5.9	µg/Kg 1 4/21/2009 03:40 PM
sec-Butylbenzene	ND 1.2	5.9	µg/Kg 1 4/21/2009 03:40 PM
Styrene	ND 0.70	5.9	µg/Kg 1 4/21/2009 03:40 PM
tert-Butylbenzene	ND 1.2	5.9	µg/Kg 1 4/21/2009 03:40 PM
Tetrachloroethene	ND 1.2	5.9	µg/Kg 1 4/21/2009 03:40 PM
Toluene	ND 0.66	5.9	µg/Kg 1 4/21/2009 03:40 PM
trans-1,2-Dichloroethene	ND 0.62	5.9	µg/Kg 1 4/21/2009 03:40 PM
Trichloroethene	ND 1.8	5.9	µg/Kg 1 4/21/2009 03:40 PM
Trichlorofluoromethane	ND 0.64	5.9	µg/Kg 1 4/21/2009 03:40 PM
Vinyl chloride	ND 0.49	5.9	µg/Kg 1 4/21/2009 03:40 PM
Surr: 1,2-Dichloroethane-d4	121 0	68-147	%REC 1 4/21/2009 03:40 PM
Surr: 4-Bromofluorobenzene	108 0	67-127	%REC 1 4/21/2009 03:40 PM
Surr: Dibromofluoromethane	117 0	72-141	%REC 1 4/21/2009 03:40 PM
Surr: Toluene-d8	111 0	75-120	%REC 1 4/21/2009 03:40 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-017E

Client Sample ID: 1001-104-2-S
Collection Date: 4/20/2009 11:50:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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GASOLINE RANGE ORGANICS BY GC/FID

EPA 8015B(M)

RunID: GC2_090421B	QC Batch: E09VS105	PrepDate: 4/20/2009	Analyst: KHN			
GRO	ND	0.16	1.1	mg/Kg	1	4/21/2009 11:48 PM
Surr: Bromofluorobenzene (FID)	97.5	0	59-145	%REC	1	4/21/2009 11:48 PM

HYDROCARBON CHAIN IDENTIFICATION

EPA 8015B

RunID: GC2_090421B	QC Batch: E09VS105	PrepDate: 4/20/2009	Analyst: KHN			
T/R Hydrocarbons: C4-C12	ND	0.21	1.1	mg/Kg	1	4/21/2009 11:48 PM
Surr: Bromofluorobenzene (FID)	97.5	0	59-145	%REC	1	4/21/2009 11:48 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-018A

Client Sample ID: 1001-104-5-S
Collection Date: 4/20/2009 11:55:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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ICP METALS

EPA 3050B		EPA 6010B			
RunID: ICP8_090424H	QC Batch: 54942			PrepDate: 4/23/2009	Analyst: CL
Antimony	ND	0.28	2.0	mg/Kg	1 4/24/2009 07:54 PM
Arsenic	ND	0.27	1.0	mg/Kg	1 4/24/2009 07:54 PM
Barium	130	0.13	1.0	mg/Kg	1 4/24/2009 07:54 PM
Beryllium	ND	0.055	1.0	mg/Kg	1 4/24/2009 07:54 PM
Cadmium	ND	0.0064	1.0	mg/Kg	1 4/24/2009 07:54 PM
Chromium	19	0.088	1.0	mg/Kg	1 4/24/2009 07:54 PM
Cobalt	7.3	0.014	1.0	mg/Kg	1 4/24/2009 07:54 PM
Copper	18	0.26	2.0	mg/Kg	1 4/24/2009 07:54 PM
Lead	ND	0.11	1.0	mg/Kg	1 4/24/2009 07:54 PM
Molybdenum	ND	0.043	1.0	mg/Kg	1 4/24/2009 07:54 PM
Nickel	14	0.032	1.0	mg/Kg	1 4/24/2009 07:54 PM
Selenium	ND	0.43	1.0	mg/Kg	1 4/24/2009 07:54 PM
Silver	ND	0.017	1.0	mg/Kg	1 4/24/2009 07:54 PM
Thallium	ND	0.23	1.0	mg/Kg	1 4/24/2009 07:54 PM
Vanadium	47	0.019	1.0	mg/Kg	1 4/24/2009 07:54 PM
Zinc	42	0.19	1.0	mg/Kg	1 4/24/2009 07:54 PM

HEXAVALENT CHROMIUM

EPA 7196A	
RunID: WETCHEM3_090424C	QC Batch: 54996
PrepDate: 4/23/2009	Analyst: CBB
Chromium, Hexavalent	ND 0.074 0.10 mg/Kg 1 4/24/2009

DIESEL RANGE ORGANICS BY GC/FID LUFT

EPA 8015B(M)	
RunID: GC16_090425A	QC Batch: 54919
PrepDate: 4/22/2009	Analyst: CBR
DRO	27 10 10 mg/Kg 1 4/25/2009 01:38 PM
Surr: p-Terphenyl	101 0 57-144 %REC 1 4/25/2009 01:38 PM

HYDROCARBON CHAIN IDENTIFICATION LUFT

EPA 8015B(M)	
RunID: GC16_090425A	QC Batch: 54919
PrepDate: 4/22/2009	Analyst: CBR
T/R Hydrocarbons: C13-C22	16 10 10 mg/Kg 1 4/25/2009 01:38 PM
T/R Hydrocarbons: C23-C32	12 10 10 mg/Kg 1 4/25/2009 01:38 PM
T/R Hydrocarbons:>C32	ND 10 10 mg/Kg 1 4/25/2009 01:38 PM
Surr: p-Terphenyl	101 0 57-144 %REC 1 4/25/2009 01:38 PM

Qualifiers:	B Analyte detected in the associated Method Blank	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	ND Not Detected at the Reporting Limit
	S Spike/Surrogate outside of limits due to matrix interference	Results are wet unless otherwise specified
	DO Surrogate Diluted Out	



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-018A

Client Sample ID: 1001-104-5-S
Collection Date: 4/20/2009 11:55:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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PCBS BY GC/ECD

EPA 3550B

EPA 8082

RunID: GC4_090422A	QC Batch: 54929	PrepDate: 4/22/2009	Analyst: BB			
Aroclor 1016	ND	5.0	16	µg/Kg	1	4/23/2009 12:12 AM
Aroclor 1221	ND	5.0	33	µg/Kg	1	4/23/2009 12:12 AM
Aroclor 1232	ND	5.0	16	µg/Kg	1	4/23/2009 12:12 AM
Aroclor 1242	ND	5.0	16	µg/Kg	1	4/23/2009 12:12 AM
Aroclor 1248	ND	5.0	16	µg/Kg	1	4/23/2009 12:12 AM
Aroclor 1254	ND	5.0	16	µg/Kg	1	4/23/2009 12:12 AM
Aroclor 1260	ND	5.0	16	µg/Kg	1	4/23/2009 12:12 AM
Aroclor 1262	ND	5.0	16	µg/Kg	1	4/23/2009 12:12 AM
Aroclor 1268	ND	5.0	16	µg/Kg	1	4/23/2009 12:12 AM
Surr: Decachlorobiphenyl	84.0	0	30-124	%REC	1	4/23/2009 12:12 AM
Surr: Tetrachloro-m-xylene	99.1	0	40-118	%REC	1	4/23/2009 12:12 AM

MERCURY BY COLD VAPOR TECHNIQUE

EPA 7471A

RunID: AA5_090422D	QC Batch: 54901	PrepDate: 4/22/2009	Analyst: RQ			
Mercury	ND	0.021	0.10	mg/Kg	1	4/22/2009 03:51 PM

SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3550B

EPA 8270C

RunID: MS 13_090422B	QC Batch: 54912	PrepDate: 4/22/2009	Analyst: DMP			
1,2,4-Trichlorobenzene	ND	82	330	µg/Kg	1	4/23/2009 01:05 AM
1,2-Dichlorobenzene	ND	85	330	µg/Kg	1	4/23/2009 01:05 AM
1,3-Dichlorobenzene	ND	74	330	µg/Kg	1	4/23/2009 01:05 AM
1,4-Dichlorobenzene	ND	78	330	µg/Kg	1	4/23/2009 01:05 AM
2,4,5-Trichlorophenol	ND	56	330	µg/Kg	1	4/23/2009 01:05 AM
2,4,6-Trichlorophenol	ND	78	330	µg/Kg	1	4/23/2009 01:05 AM
2,4-Dichlorophenol	ND	87	1600	µg/Kg	1	4/23/2009 01:05 AM
2,4-Dimethylphenol	ND	88	330	µg/Kg	1	4/23/2009 01:05 AM
2,4-Dinitrophenol	ND	45	1600	µg/Kg	1	4/23/2009 01:05 AM
2,4-Dinitrotoluene	ND	67	330	µg/Kg	1	4/23/2009 01:05 AM
2,6-Dinitrotoluene	ND	67	330	µg/Kg	1	4/23/2009 01:05 AM
2-Chloronaphthalene	ND	70	330	µg/Kg	1	4/23/2009 01:05 AM
2-Chlorophenol	ND	89	330	µg/Kg	1	4/23/2009 01:05 AM
2-Methylnaphthalene	ND	78	330	µg/Kg	1	4/23/2009 01:05 AM
2-Methylphenol	ND	96	330	µg/Kg	1	4/23/2009 01:05 AM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-018A

Client Sample ID: 1001-104-5-S
Collection Date: 4/20/2009 11:55:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3550B

EPA 8270C

RunID: MS 13_090422B	QC Batch: 54912	PrepDate: 4/22/2009	Analyst: DMP
2-Nitroaniline	ND	79	1600
2-Nitrophenol	ND	70	330
3,3'-Dichlorobenzidine	ND	78	660
3-Nitroaniline	ND	60	1600
4,6-Dinitro-2-methylphenol	ND	63	1600
4-Bromophenyl-phenylether	ND	73	330
4-Chloro-3-methylphenol	ND	75	660
4-Chloroaniline	ND	73	660
4-Chlorophenyl-phenylether	ND	70	330
4-Methylphenol	ND	79	330
4-Nitroaniline	ND	60	1600
4-Nitrophenol	ND	71	1600
Acenaphthene	ND	70	330
Acenaphthylene	ND	69	330
Anthracene	ND	76	330
Benzidine (M)	ND	71	1600
Benzo(a)anthracene	ND	69	330
Benzo(a)pyrene	ND	82	330
Benzo(b)fluoranthene	ND	70	330
Benzo(g,h,i)perylene	ND	71	330
Benzo(k)fluoranthene	ND	98	330
Benzoic acid	ND	64	1600
Benzyl alcohol	ND	86	660
Bis(2-chloroethoxy)methane	ND	79	330
Bis(2-chloroethyl)ether	ND	81	330
Bis(2-chloroisopropyl)ether	ND	91	330
Bis(2-ethylhexyl)phthalate	ND	72	330
Butylbenzylphthalate	ND	72	330
Chrysene	ND	79	330
Di-n-butylphthalate	ND	78	330
Di-n-octylphthalate	ND	71	330
Dibenz(a,h)anthracene	ND	83	330
Dibenzofuran	ND	68	330
Diethylphthalate	ND	74	330
Dimethylphthalate	ND	69	330

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
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Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3550B

EPA 8270C

RunID: MS 13_090422B	QC Batch: 54912	PrepDate: 4/22/2009	Analyst: DMP
Fluoranthene	ND 73	330	µg/Kg 1 4/23/2009 01:05 AM
Fluorene	ND 69	330	µg/Kg 1 4/23/2009 01:05 AM
Hexachlorobenzene	ND 76	330	µg/Kg 1 4/23/2009 01:05 AM
Hexachlorobutadiene	ND 77	660	µg/Kg 1 4/23/2009 01:05 AM
Hexachlorocyclopentadiene	ND 80	660	µg/Kg 1 4/23/2009 01:05 AM
Hexachloroethane	ND 81	330	µg/Kg 1 4/23/2009 01:05 AM
Indeno(1,2,3-cd)pyrene	ND 69	330	µg/Kg 1 4/23/2009 01:05 AM
Isophorone	ND 85	330	µg/Kg 1 4/23/2009 01:05 AM
N-Nitrosodi-n-propylamine	ND 82	330	µg/Kg 1 4/23/2009 01:05 AM
N-Nitrosodiphenylamine	ND 79	330	µg/Kg 1 4/23/2009 01:05 AM
Naphthalene	ND 86	330	µg/Kg 1 4/23/2009 01:05 AM
Nitrobenzene	ND 82	330	µg/Kg 1 4/23/2009 01:05 AM
Pentachlorophenol	ND 55	1600	µg/Kg 1 4/23/2009 01:05 AM
Phenanthrene	ND 76	330	µg/Kg 1 4/23/2009 01:05 AM
Phenol	ND 95	330	µg/Kg 1 4/23/2009 01:05 AM
Pyrene	ND 77	330	µg/Kg 1 4/23/2009 01:05 AM
Surr: 1,2-Dichlorobenzene-d4	87.5 0	49-103	%REC 1 4/23/2009 01:05 AM
Surr: 2,4,6-Tribromophenol	93.5 0	47-129	%REC 1 4/23/2009 01:05 AM
Surr: 2-Chlorophenol-d4	92.7 0	54-109	%REC 1 4/23/2009 01:05 AM
Surr: 2-Fluorobiphenyl	95.6 0	59-108	%REC 1 4/23/2009 01:05 AM
Surr: 2-Fluorophenol	91.3 0	50-111	%REC 1 4/23/2009 01:05 AM
Surr: 4-Terphenyl-d14	120 0	58-135	%REC 1 4/23/2009 01:05 AM
Surr: Nitrobenzene-d5	92.8 0	54-115	%REC 1 4/23/2009 01:05 AM
Surr: Phenol-d5	96.4 0	58-112	%REC 1 4/23/2009 01:05 AM

PH

EPA 9045C

RunID: WETCHEM_090421C	QC Batch: R108341	PrepDate:	Analyst: DDL
pH	7.6 0.10	0.10	pH Units 1 4/21/2009

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-018B

Client Sample ID: 1001-104-5-S
Collection Date: 4/20/2009 11:55:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS4_090421A	QC Batch: K09VS060	PrepDate: 4/21/2009	Analyst: HH
1,1,1,2-Tetrachloroethane	ND 0.89	4.6	µg/Kg 1 4/21/2009 03:57 PM
1,1,1-Trichloroethane	ND 1.2	4.6	µg/Kg 1 4/21/2009 03:57 PM
1,1,2,2-Tetrachloroethane	ND 2.9	4.6	µg/Kg 1 4/21/2009 03:57 PM
1,1,2-Trichloroethane	ND 1.2	4.6	µg/Kg 1 4/21/2009 03:57 PM
1,1-Dichloroethane	ND 0.56	4.6	µg/Kg 1 4/21/2009 03:57 PM
1,1-Dichloroethene	ND 0.42	4.6	µg/Kg 1 4/21/2009 03:57 PM
1,1-Dichloropropene	ND 1.9	4.6	µg/Kg 1 4/21/2009 03:57 PM
1,2,3-Trichlorobenzene	ND 3.4	4.6	µg/Kg 1 4/21/2009 03:57 PM
1,2,3-Trichloropropane	ND 2.1	4.6	µg/Kg 1 4/21/2009 03:57 PM
1,2,4-Trichlorobenzene	ND 2.2	4.6	µg/Kg 1 4/21/2009 03:57 PM
1,2,4-Trimethylbenzene	ND 0.96	4.6	µg/Kg 1 4/21/2009 03:57 PM
1,2-Dibromo-3-chloropropane	ND 2.9	9.2	µg/Kg 1 4/21/2009 03:57 PM
1,2-Dibromoethane	ND 0.90	4.6	µg/Kg 1 4/21/2009 03:57 PM
1,2-Dichlorobenzene	ND 1.9	4.6	µg/Kg 1 4/21/2009 03:57 PM
1,2-Dichloroethane	ND 1.7	4.6	µg/Kg 1 4/21/2009 03:57 PM
1,2-Dichloropropane	ND 1.4	4.6	µg/Kg 1 4/21/2009 03:57 PM
1,3,5-Trimethylbenzene	ND 0.72	4.6	µg/Kg 1 4/21/2009 03:57 PM
1,3-Dichlorobenzene	ND 1.6	4.6	µg/Kg 1 4/21/2009 03:57 PM
1,3-Dichloropropane	ND 0.30	4.6	µg/Kg 1 4/21/2009 03:57 PM
1,4-Dichlorobenzene	ND 1.7	4.6	µg/Kg 1 4/21/2009 03:57 PM
2,2-Dichloropropane	ND 0.44	4.6	µg/Kg 1 4/21/2009 03:57 PM
2-Chlorotoluene	ND 0.82	4.6	µg/Kg 1 4/21/2009 03:57 PM
4-Chlorotoluene	ND 1.0	4.6	µg/Kg 1 4/21/2009 03:57 PM
4-Isopropyltoluene	ND 1.0	4.6	µg/Kg 1 4/21/2009 03:57 PM
Benzene	ND 0.59	4.6	µg/Kg 1 4/21/2009 03:57 PM
Bromobenzene	ND 1.2	4.6	µg/Kg 1 4/21/2009 03:57 PM
Bromodichloromethane	ND 1.2	4.6	µg/Kg 1 4/21/2009 03:57 PM
Bromoform	ND 1.8	4.6	µg/Kg 1 4/21/2009 03:57 PM
Bromomethane	ND 0.63	4.6	µg/Kg 1 4/21/2009 03:57 PM
Carbon tetrachloride	ND 1.3	4.6	µg/Kg 1 4/21/2009 03:57 PM
Chlorobenzene	ND 0.60	4.6	µg/Kg 1 4/21/2009 03:57 PM
Chloroethane	ND 0.80	4.6	µg/Kg 1 4/21/2009 03:57 PM
Chloroform	ND 1.4	4.6	µg/Kg 1 4/21/2009 03:57 PM
Chloromethane	ND 0.35	4.6	µg/Kg 1 4/21/2009 03:57 PM
cis-1,2-Dichloroethene	ND 1.7	4.6	µg/Kg 1 4/21/2009 03:57 PM

Qualifiers: B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interference
DO Surrogate Diluted Out
E Value above quantitation range
ND Not Detected at the Reporting Limit
Results are wet unless otherwise specified



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Laboratories

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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-018B

Client Sample ID: 1001-104-5-S
Collection Date: 4/20/2009 11:55:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS4_090421A	QC Batch: K09VS060	PrepDate: 4/21/2009	Analyst: HH
cis-1,3-Dichloropropene	ND 0.69	4.6	µg/Kg 1 4/21/2009 03:57 PM
Dibromochloromethane	ND 0.67	4.6	µg/Kg 1 4/21/2009 03:57 PM
Dibromomethane	ND 1.1	4.6	µg/Kg 1 4/21/2009 03:57 PM
Dichlorodifluoromethane	ND 0.50	4.6	µg/Kg 1 4/21/2009 03:57 PM
Ethylbenzene	ND 0.30	4.6	µg/Kg 1 4/21/2009 03:57 PM
Hexachlorobutadiene	ND 2.1	4.6	µg/Kg 1 4/21/2009 03:57 PM
Isopropylbenzene	ND 0.53	4.6	µg/Kg 1 4/21/2009 03:57 PM
m,p-Xylene	ND 0.64	9.2	µg/Kg 1 4/21/2009 03:57 PM
Methylene chloride	ND 4.6	4.6	µg/Kg 1 4/21/2009 03:57 PM
n-Butylbenzene	ND 1.1	4.6	µg/Kg 1 4/21/2009 03:57 PM
n-Propylbenzene	ND 0.63	4.6	µg/Kg 1 4/21/2009 03:57 PM
Naphthalene	ND 2.3	4.6	µg/Kg 1 4/21/2009 03:57 PM
o-Xylene	ND 0.46	4.6	µg/Kg 1 4/21/2009 03:57 PM
sec-Butylbenzene	ND 0.96	4.6	µg/Kg 1 4/21/2009 03:57 PM
Styrene	ND 0.55	4.6	µg/Kg 1 4/21/2009 03:57 PM
tert-Butylbenzene	ND 0.96	4.6	µg/Kg 1 4/21/2009 03:57 PM
Tetrachloroethene	11 0.97	4.6	µg/Kg 1 4/21/2009 03:57 PM
Toluene	ND 0.52	4.6	µg/Kg 1 4/21/2009 03:57 PM
trans-1,2-Dichloroethene	ND 0.49	4.6	µg/Kg 1 4/21/2009 03:57 PM
Trichloroethene	ND 1.4	4.6	µg/Kg 1 4/21/2009 03:57 PM
Trichlorofluoromethane	ND 0.51	4.6	µg/Kg 1 4/21/2009 03:57 PM
Vinyl chloride	ND 0.39	4.6	µg/Kg 1 4/21/2009 03:57 PM
Surr: 1,2-Dichloroethane-d4	118 0	68-147	%REC 1 4/21/2009 03:57 PM
Surr: 4-Bromofluorobenzene	108 0	67-127	%REC 1 4/21/2009 03:57 PM
Surr: Dibromofluoromethane	116 0	72-141	%REC 1 4/21/2009 03:57 PM
Surr: Toluene-d8	111 0	75-120	%REC 1 4/21/2009 03:57 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-018E

Client Sample ID: 1001-104-5-S
Collection Date: 4/20/2009 11:55:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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GASOLINE RANGE ORGANICS BY GC/FID

EPA 8015B(M)

RunID: GC2_090421B	QC Batch: E09VS105	PrepDate: 4/20/2009	Analyst: KHN			
GRO	ND	0.14	0.95	mg/Kg	1	4/22/2009 12:03 AM
Surr: Bromofluorobenzene (FID)	88.3	0	59-145	%REC	1	4/22/2009 12:03 AM

HYDROCARBON CHAIN IDENTIFICATION

EPA 8015B

RunID: GC2_090421B	QC Batch: E09VS105	PrepDate: 4/20/2009	Analyst: KHN			
T/R Hydrocarbons: C4-C12	ND	0.18	0.95	mg/Kg	1	4/22/2009 12:03 AM
Surr: Bromofluorobenzene (FID)	88.3	0	59-145	%REC	1	4/22/2009 12:03 AM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-019A

Client Sample ID: 1001-104-10-S
Collection Date: 4/20/2009 12:00:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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ICP METALS

EPA 3050B		EPA 6010B	
RunID: ICP8_090424H	QC Batch: 54942	PrepDate: 4/23/2009	Analyst: CL
Antimony	ND 0.28	2.0	mg/Kg 1 4/24/2009 07:56 PM
Arsenic	ND 0.27	1.0	mg/Kg 1 4/24/2009 07:56 PM
Barium	110 0.13	1.0	mg/Kg 1 4/24/2009 07:56 PM
Beryllium	ND 0.055	1.0	mg/Kg 1 4/24/2009 07:56 PM
Cadmium	ND 0.0064	1.0	mg/Kg 1 4/24/2009 07:56 PM
Chromium	21 0.088	1.0	mg/Kg 1 4/24/2009 07:56 PM
Cobalt	6.5 0.014	1.0	mg/Kg 1 4/24/2009 07:56 PM
Copper	16 0.26	2.0	mg/Kg 1 4/24/2009 07:56 PM
Lead	ND 0.11	1.0	mg/Kg 1 4/24/2009 07:56 PM
Molybdenum	2.3 0.043	1.0	mg/Kg 1 4/24/2009 07:56 PM
Nickel	11 0.032	1.0	mg/Kg 1 4/24/2009 07:56 PM
Selenium	ND 0.43	1.0	mg/Kg 1 4/24/2009 07:56 PM
Silver	ND 0.017	1.0	mg/Kg 1 4/24/2009 07:56 PM
Thallium	ND 0.23	1.0	mg/Kg 1 4/24/2009 07:56 PM
Vanadium	41 0.019	1.0	mg/Kg 1 4/24/2009 07:56 PM
Zinc	36 0.19	1.0	mg/Kg 1 4/24/2009 07:56 PM

HEXAVALENT CHROMIUM

EPA 7196A	
RunID: WETCHEM3_090424C	QC Batch: 54996
PrepDate: 4/23/2009	Analyst: CBB
Chromium, Hexavalent	ND 0.074 0.10 mg/Kg 1 4/24/2009

DIESEL RANGE ORGANICS BY GC/FID LUFT

EPA 8015B(M)	
RunID: GC16_090425A	QC Batch: 54919
PrepDate: 4/22/2009	Analyst: CBR
DRO	45 10 10 mg/Kg 1 4/25/2009 01:47 PM
Surr: p-Terphenyl	100 0 57-144 %REC 1 4/25/2009 01:47 PM

HYDROCARBON CHAIN IDENTIFICATION LUFT

EPA 8015B(M)	
RunID: GC16_090425A	QC Batch: 54919
PrepDate: 4/22/2009	Analyst: CBR
T/R Hydrocarbons: C13-C22	25 10 10 mg/Kg 1 4/25/2009 01:47 PM
T/R Hydrocarbons: C23-C32	22 10 10 mg/Kg 1 4/25/2009 01:47 PM
T/R Hydrocarbons:>C32	ND 10 10 mg/Kg 1 4/25/2009 01:47 PM
Surr: p-Terphenyl	100 0 57-144 %REC 1 4/25/2009 01:47 PM

Qualifiers:	B Analyte detected in the associated Method Blank	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	ND Not Detected at the Reporting Limit
	S Spike/Surrogate outside of limits due to matrix interference	Results are wet unless otherwise specified
	DO Surrogate Diluted Out	



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-019A

Client Sample ID: 1001-104-10-S
Collection Date: 4/20/2009 12:00:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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PCBS BY GC/ECD

EPA 3550B

EPA 8082

RunID: GC4_090422A	QC Batch: 54929	PrepDate: 4/22/2009	Analyst: BB			
Aroclor 1016	ND	5.0	16	µg/Kg	1	4/23/2009 12:42 AM
Aroclor 1221	ND	5.0	33	µg/Kg	1	4/23/2009 12:42 AM
Aroclor 1232	ND	5.0	16	µg/Kg	1	4/23/2009 12:42 AM
Aroclor 1242	ND	5.0	16	µg/Kg	1	4/23/2009 12:42 AM
Aroclor 1248	ND	5.0	16	µg/Kg	1	4/23/2009 12:42 AM
Aroclor 1254	ND	5.0	16	µg/Kg	1	4/23/2009 12:42 AM
Aroclor 1260	ND	5.0	16	µg/Kg	1	4/23/2009 12:42 AM
Aroclor 1262	ND	5.0	16	µg/Kg	1	4/23/2009 12:42 AM
Aroclor 1268	ND	5.0	16	µg/Kg	1	4/23/2009 12:42 AM
Surr: Decachlorobiphenyl	88.0	0	30-124	%REC	1	4/23/2009 12:42 AM
Surr: Tetrachloro-m-xylene	96.5	0	40-118	%REC	1	4/23/2009 12:42 AM

MERCURY BY COLD VAPOR TECHNIQUE

EPA 7471A

RunID: AA5_090422D	QC Batch: 54901	PrepDate: 4/22/2009	Analyst: RQ			
Mercury	ND	0.021	0.10	mg/Kg	1	4/22/2009 03:53 PM

SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3550B

EPA 8270C

RunID: MS 13_090422B	QC Batch: 54912	PrepDate: 4/22/2009	Analyst: DMP			
1,2,4-Trichlorobenzene	ND	82	330	µg/Kg	1	4/23/2009 02:00 AM
1,2-Dichlorobenzene	ND	85	330	µg/Kg	1	4/23/2009 02:00 AM
1,3-Dichlorobenzene	ND	74	330	µg/Kg	1	4/23/2009 02:00 AM
1,4-Dichlorobenzene	ND	78	330	µg/Kg	1	4/23/2009 02:00 AM
2,4,5-Trichlorophenol	ND	56	330	µg/Kg	1	4/23/2009 02:00 AM
2,4,6-Trichlorophenol	ND	78	330	µg/Kg	1	4/23/2009 02:00 AM
2,4-Dichlorophenol	ND	87	1600	µg/Kg	1	4/23/2009 02:00 AM
2,4-Dimethylphenol	ND	88	330	µg/Kg	1	4/23/2009 02:00 AM
2,4-Dinitrophenol	ND	45	1600	µg/Kg	1	4/23/2009 02:00 AM
2,4-Dinitrotoluene	ND	67	330	µg/Kg	1	4/23/2009 02:00 AM
2,6-Dinitrotoluene	ND	67	330	µg/Kg	1	4/23/2009 02:00 AM
2-Chloronaphthalene	ND	70	330	µg/Kg	1	4/23/2009 02:00 AM
2-Chlorophenol	ND	89	330	µg/Kg	1	4/23/2009 02:00 AM
2-Methylnaphthalene	ND	78	330	µg/Kg	1	4/23/2009 02:00 AM
2-Methylphenol	ND	96	330	µg/Kg	1	4/23/2009 02:00 AM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-019A

Client Sample ID: 1001-104-10-S
Collection Date: 4/20/2009 12:00:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3550B

EPA 8270C

RunID: MS 13_090422B	QC Batch: 54912	PrepDate: 4/22/2009	Analyst: DMP
2-Nitroaniline	ND	79	1600
2-Nitrophenol	ND	70	330
3,3'-Dichlorobenzidine	ND	78	660
3-Nitroaniline	ND	60	1600
4,6-Dinitro-2-methylphenol	ND	63	1600
4-Bromophenyl-phenylether	ND	73	330
4-Chloro-3-methylphenol	ND	75	660
4-Chloroaniline	ND	73	660
4-Chlorophenyl-phenylether	ND	70	330
4-Methylphenol	ND	79	330
4-Nitroaniline	ND	60	1600
4-Nitrophenol	ND	71	1600
Acenaphthene	ND	70	330
Acenaphthylene	ND	69	330
Anthracene	ND	76	330
Benzidine (M)	ND	71	1600
Benzo(a)anthracene	ND	69	330
Benzo(a)pyrene	ND	82	330
Benzo(b)fluoranthene	ND	70	330
Benzo(g,h,i)perylene	ND	71	330
Benzo(k)fluoranthene	ND	98	330
Benzoic acid	ND	64	1600
Benzyl alcohol	ND	86	660
Bis(2-chloroethoxy)methane	ND	79	330
Bis(2-chloroethyl)ether	ND	81	330
Bis(2-chloroisopropyl)ether	ND	91	330
Bis(2-ethylhexyl)phthalate	ND	72	330
Butylbenzylphthalate	ND	72	330
Chrysene	ND	79	330
Di-n-butylphthalate	ND	78	330
Di-n-octylphthalate	ND	71	330
Dibenz(a,h)anthracene	ND	83	330
Dibenzofuran	ND	68	330
Diethylphthalate	ND	74	330
Dimethylphthalate	ND	69	330

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3550B

EPA 8270C

RunID: MS 13_090422B	QC Batch: 54912	PrepDate: 4/22/2009	Analyst: DMP
Fluoranthene	ND	73	330
Fluorene	ND	69	330
Hexachlorobenzene	ND	76	330
Hexachlorobutadiene	ND	77	660
Hexachlorocyclopentadiene	ND	80	660
Hexachloroethane	ND	81	330
Indeno(1,2,3-cd)pyrene	ND	69	330
Isophorone	ND	85	330
N-Nitrosodi-n-propylamine	ND	82	330
N-Nitrosodiphenylamine	ND	79	330
Naphthalene	ND	86	330
Nitrobenzene	ND	82	330
Pentachlorophenol	ND	55	1600
Phenanthrene	ND	76	330
Phenol	ND	95	330
Pyrene	ND	77	330
Surr: 1,2-Dichlorobenzene-d4	86.9	0	49-103
Surr: 2,4,6-Tribromophenol	91.6	0	47-129
Surr: 2-Chlorophenol-d4	92.8	0	54-109
Surr: 2-Fluorobiphenyl	95.3	0	59-108
Surr: 2-Fluorophenol	91.2	0	50-111
Surr: 4-Terphenyl-d14	119	0	58-135
Surr: Nitrobenzene-d5	91.5	0	54-115
Surr: Phenol-d5	95.5	0	58-112

PH

EPA 9045C

RunID: WETCHEM_090421C	QC Batch: R108341	PrepDate:	Analyst: DDL
pH	7.6	0.10	0.10

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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Client Sample ID: 1001-104-10-S
Collection Date: 4/20/2009 12:00:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS4_090421A	QC Batch: K09VS060	PrepDate: 4/21/2009	Analyst: HH
1,1,1,2-Tetrachloroethane	ND 1.1	5.7	µg/Kg 1 4/21/2009 04:14 PM
1,1,1-Trichloroethane	ND 1.6	5.7	µg/Kg 1 4/21/2009 04:14 PM
1,1,2,2-Tetrachloroethane	ND 3.6	5.7	µg/Kg 1 4/21/2009 04:14 PM
1,1,2-Trichloroethane	ND 1.4	5.7	µg/Kg 1 4/21/2009 04:14 PM
1,1-Dichloroethane	ND 0.70	5.7	µg/Kg 1 4/21/2009 04:14 PM
1,1-Dichloroethene	ND 0.52	5.7	µg/Kg 1 4/21/2009 04:14 PM
1,1-Dichloropropene	ND 2.4	5.7	µg/Kg 1 4/21/2009 04:14 PM
1,2,3-Trichlorobenzene	ND 4.3	5.7	µg/Kg 1 4/21/2009 04:14 PM
1,2,3-Trichloropropane	ND 2.7	5.7	µg/Kg 1 4/21/2009 04:14 PM
1,2,4-Trichlorobenzene	ND 2.7	5.7	µg/Kg 1 4/21/2009 04:14 PM
1,2,4-Trimethylbenzene	ND 1.2	5.7	µg/Kg 1 4/21/2009 04:14 PM
1,2-Dibromo-3-chloropropane	ND 3.6	11	µg/Kg 1 4/21/2009 04:14 PM
1,2-Dibromoethane	ND 1.1	5.7	µg/Kg 1 4/21/2009 04:14 PM
1,2-Dichlorobenzene	ND 2.4	5.7	µg/Kg 1 4/21/2009 04:14 PM
1,2-Dichloroethane	ND 2.1	5.7	µg/Kg 1 4/21/2009 04:14 PM
1,2-Dichloropropane	ND 1.8	5.7	µg/Kg 1 4/21/2009 04:14 PM
1,3,5-Trimethylbenzene	ND 0.90	5.7	µg/Kg 1 4/21/2009 04:14 PM
1,3-Dichlorobenzene	ND 1.9	5.7	µg/Kg 1 4/21/2009 04:14 PM
1,3-Dichloropropane	ND 0.37	5.7	µg/Kg 1 4/21/2009 04:14 PM
1,4-Dichlorobenzene	ND 2.1	5.7	µg/Kg 1 4/21/2009 04:14 PM
2,2-Dichloropropane	ND 0.55	5.7	µg/Kg 1 4/21/2009 04:14 PM
2-Chlorotoluene	ND 1.0	5.7	µg/Kg 1 4/21/2009 04:14 PM
4-Chlorotoluene	ND 1.3	5.7	µg/Kg 1 4/21/2009 04:14 PM
4-Isopropyltoluene	ND 1.3	5.7	µg/Kg 1 4/21/2009 04:14 PM
Benzene	ND 0.74	5.7	µg/Kg 1 4/21/2009 04:14 PM
Bromobenzene	ND 1.5	5.7	µg/Kg 1 4/21/2009 04:14 PM
Bromodichloromethane	ND 1.5	5.7	µg/Kg 1 4/21/2009 04:14 PM
Bromoform	ND 2.3	5.7	µg/Kg 1 4/21/2009 04:14 PM
Bromomethane	ND 0.78	5.7	µg/Kg 1 4/21/2009 04:14 PM
Carbon tetrachloride	ND 1.6	5.7	µg/Kg 1 4/21/2009 04:14 PM
Chlorobenzene	ND 0.75	5.7	µg/Kg 1 4/21/2009 04:14 PM
Chloroethane	ND 1.0	5.7	µg/Kg 1 4/21/2009 04:14 PM
Chloroform	ND 1.7	5.7	µg/Kg 1 4/21/2009 04:14 PM
Chloromethane	ND 0.44	5.7	µg/Kg 1 4/21/2009 04:14 PM
cis-1,2-Dichloroethene	ND 2.1	5.7	µg/Kg 1 4/21/2009 04:14 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-019B

Client Sample ID: 1001-104-10-S
Collection Date: 4/20/2009 12:00:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS4_090421A	QC Batch: K09VS060	PrepDate: 4/21/2009	Analyst: HH
cis-1,3-Dichloropropene	ND 0.86	5.7	µg/Kg 1 4/21/2009 04:14 PM
Dibromochloromethane	ND 0.83	5.7	µg/Kg 1 4/21/2009 04:14 PM
Dibromomethane	ND 1.4	5.7	µg/Kg 1 4/21/2009 04:14 PM
Dichlorodifluoromethane	ND 0.62	5.7	µg/Kg 1 4/21/2009 04:14 PM
Ethylbenzene	ND 0.37	5.7	µg/Kg 1 4/21/2009 04:14 PM
Hexachlorobutadiene	ND 2.6	5.7	µg/Kg 1 4/21/2009 04:14 PM
Isopropylbenzene	ND 0.66	5.7	µg/Kg 1 4/21/2009 04:14 PM
m,p-Xylene	ND 0.79	11	µg/Kg 1 4/21/2009 04:14 PM
Methylene chloride	ND 5.7	5.7	µg/Kg 1 4/21/2009 04:14 PM
n-Butylbenzene	ND 1.4	5.7	µg/Kg 1 4/21/2009 04:14 PM
n-Propylbenzene	ND 0.78	5.7	µg/Kg 1 4/21/2009 04:14 PM
Naphthalene	ND 2.9	5.7	µg/Kg 1 4/21/2009 04:14 PM
o-Xylene	ND 0.57	5.7	µg/Kg 1 4/21/2009 04:14 PM
sec-Butylbenzene	ND 1.2	5.7	µg/Kg 1 4/21/2009 04:14 PM
Styrene	ND 0.69	5.7	µg/Kg 1 4/21/2009 04:14 PM
tert-Butylbenzene	ND 1.2	5.7	µg/Kg 1 4/21/2009 04:14 PM
Tetrachloroethene	ND 1.2	5.7	µg/Kg 1 4/21/2009 04:14 PM
Toluene	ND 0.64	5.7	µg/Kg 1 4/21/2009 04:14 PM
trans-1,2-Dichloroethene	ND 0.61	5.7	µg/Kg 1 4/21/2009 04:14 PM
Trichloroethene	ND 1.7	5.7	µg/Kg 1 4/21/2009 04:14 PM
Trichlorofluoromethane	ND 0.63	5.7	µg/Kg 1 4/21/2009 04:14 PM
Vinyl chloride	ND 0.48	5.7	µg/Kg 1 4/21/2009 04:14 PM
Surr: 1,2-Dichloroethane-d4	120 0	68-147	%REC 1 4/21/2009 04:14 PM
Surr: 4-Bromofluorobenzene	106 0	67-127	%REC 1 4/21/2009 04:14 PM
Surr: Dibromofluoromethane	116 0	72-141	%REC 1 4/21/2009 04:14 PM
Surr: Toluene-d8	115 0	75-120	%REC 1 4/21/2009 04:14 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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Lab Order: 105139
Project: 207126015
Lab ID: 105139-019E

Client Sample ID: 1001-104-10-S
Collection Date: 4/20/2009 12:00:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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GASOLINE RANGE ORGANICS BY GC/FID

EPA 8015B(M)

RunID: GC2_090421B	QC Batch: E09VS105	PrepDate: 4/20/2009	Analyst: KHN		
GRO	ND 0.14	0.93	mg/Kg	1	4/22/2009 12:19 AM
Surr: Bromofluorobenzene (FID)	114 0	59-145	%REC	1	4/22/2009 12:19 AM

HYDROCARBON CHAIN IDENTIFICATION

EPA 8015B

RunID: GC2_090421B	QC Batch: E09VS105	PrepDate: 4/20/2009	Analyst: KHN		
T/R Hydrocarbons: C4-C12	ND 0.18	0.93	mg/Kg	1	4/22/2009 12:19 AM
Surr: Bromofluorobenzene (FID)	114 0	59-145	%REC	1	4/22/2009 12:19 AM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
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ANALYTICAL RESULTS

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Lab Order: 105139
Project: 207126015
Lab ID: 105139-020A

Client Sample ID: 1001-105-2-S
Collection Date: 4/20/2009 1:15:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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ICP METALS

EPA 3050B

EPA 6010B

RunID:	ICP8_090424H	QC Batch:	54942	PrepDate:	4/23/2009	Analyst:	CL
Antimony	ND	0.28	2.0	mg/Kg	1	4/24/2009 07:59 PM	
Arsenic	ND	0.27	1.0	mg/Kg	1	4/24/2009 07:59 PM	
Barium	180	0.13	1.0	mg/Kg	1	4/24/2009 07:59 PM	
Beryllium	ND	0.055	1.0	mg/Kg	1	4/24/2009 07:59 PM	
Cadmium	ND	0.0064	1.0	mg/Kg	1	4/24/2009 07:59 PM	
Chromium	25	0.088	1.0	mg/Kg	1	4/24/2009 07:59 PM	
Cobalt	10	0.014	1.0	mg/Kg	1	4/24/2009 07:59 PM	
Copper	29	0.26	2.0	mg/Kg	1	4/24/2009 07:59 PM	
Lead	4.1	0.11	1.0	mg/Kg	1	4/24/2009 07:59 PM	
Molybdenum	ND	0.043	1.0	mg/Kg	1	4/24/2009 07:59 PM	
Nickel	19	0.032	1.0	mg/Kg	1	4/24/2009 07:59 PM	
Selenium	ND	0.43	1.0	mg/Kg	1	4/24/2009 07:59 PM	
Silver	ND	0.017	1.0	mg/Kg	1	4/24/2009 07:59 PM	
Thallium	ND	0.23	1.0	mg/Kg	1	4/24/2009 07:59 PM	
Vanadium	57	0.019	1.0	mg/Kg	1	4/24/2009 07:59 PM	
Zinc	96	0.19	1.0	mg/Kg	1	4/24/2009 07:59 PM	

HEXAVALENT CHROMIUM

EPA 7196A

RunID:	WETCHEM3_090424C	QC Batch:	54996	PrepDate:	4/23/2009	Analyst:	CBB
Chromium, Hexavalent	ND	0.074	0.10	mg/Kg	1	4/24/2009	

DIESEL RANGE ORGANICS BY GC/FID LUFT

EPA 8015B(M)

RunID:	GC16_090425A	QC Batch:	54919	PrepDate:	4/22/2009	Analyst:	CBR
DRO	73	10	10	mg/Kg	1	4/27/2009 04:02 PM	
Surr: p-Terphenyl	139	0	57-144	%REC	1	4/27/2009 04:02 PM	

HYDROCARBON CHAIN IDENTIFICATION LUFT

EPA 8015B(M)

RunID:	GC16_090425A	QC Batch:	54919	PrepDate:	4/22/2009	Analyst:	CBR
T/R Hydrocarbons: C13-C22	27	10	10	mg/Kg	1	4/27/2009 04:02 PM	
T/R Hydrocarbons: C23-C32	100	10	10	mg/Kg	1	4/27/2009 04:02 PM	
T/R Hydrocarbons:>C32	130	10	10	mg/Kg	1	4/27/2009 04:02 PM	
Surr: p-Terphenyl	139	0	57-144	%REC	1	4/27/2009 04:02 PM	

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
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Project: 207126015
Lab ID: 105139-020A

Client Sample ID: 1001-105-2-S
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Matrix: SOIL

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PCBS BY GC/ECD

EPA 3550B				EPA 8082			
RunID: GC4_090422A	QC Batch: 54929			PrepDate:	4/22/2009	Analyst: BB	
Aroclor 1016	ND	5.0	16	µg/Kg	1	4/23/2009 01:11 AM	
Aroclor 1221	ND	5.0	33	µg/Kg	1	4/23/2009 01:11 AM	
Aroclor 1232	ND	5.0	16	µg/Kg	1	4/23/2009 01:11 AM	
Aroclor 1242	ND	5.0	16	µg/Kg	1	4/23/2009 01:11 AM	
Aroclor 1248	ND	5.0	16	µg/Kg	1	4/23/2009 01:11 AM	
Aroclor 1254	ND	5.0	16	µg/Kg	1	4/23/2009 01:11 AM	
Aroclor 1260	ND	5.0	16	µg/Kg	1	4/23/2009 01:11 AM	
Aroclor 1262	ND	5.0	16	µg/Kg	1	4/23/2009 01:11 AM	
Aroclor 1268	ND	5.0	16	µg/Kg	1	4/23/2009 01:11 AM	
Surr: Decachlorobiphenyl	84.5	0	30-124	%REC	1	4/23/2009 01:11 AM	
Surr: Tetrachloro-m-xylene	99.3	0	40-118	%REC	1	4/23/2009 01:11 AM	

MERCURY BY COLD VAPOR TECHNIQUE

EPA 7471A			
RunID: AA5_090422D	QC Batch: 54901		
Mercury	ND	0.021	0.10 mg/Kg
			PrepDate: 4/22/2009 Analyst: RQ
			1 4/22/2009 03:29 PM

SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3550B				EPA 8270C			
RunID: MS 13_090422B	QC Batch: 54912			PrepDate:	4/22/2009	Analyst: DMP	
1,2,4-Trichlorobenzene	ND	210	820	µg/Kg	2.5	4/27/2009 01:31 PM	
1,2-Dichlorobenzene	ND	210	820	µg/Kg	2.5	4/27/2009 01:31 PM	
1,3-Dichlorobenzene	ND	190	820	µg/Kg	2.5	4/27/2009 01:31 PM	
1,4-Dichlorobenzene	ND	200	820	µg/Kg	2.5	4/27/2009 01:31 PM	
2,4,5-Trichlorophenol	ND	140	820	µg/Kg	2.5	4/27/2009 01:31 PM	
2,4,6-Trichlorophenol	ND	190	820	µg/Kg	2.5	4/27/2009 01:31 PM	
2,4-Dichlorophenol	ND	220	4100	µg/Kg	2.5	4/27/2009 01:31 PM	
2,4-Dimethylphenol	ND	220	820	µg/Kg	2.5	4/27/2009 01:31 PM	
2,4-Dinitrophenol	ND	110	4100	µg/Kg	2.5	4/27/2009 01:31 PM	
2,4-Dinitrotoluene	ND	170	820	µg/Kg	2.5	4/27/2009 01:31 PM	
2,6-Dinitrotoluene	ND	170	820	µg/Kg	2.5	4/27/2009 01:31 PM	
2-Chloronaphthalene	ND	170	820	µg/Kg	2.5	4/27/2009 01:31 PM	
2-Chlorophenol	ND	220	820	µg/Kg	2.5	4/27/2009 01:31 PM	
2-Methylnaphthalene	ND	200	820	µg/Kg	2.5	4/27/2009 01:31 PM	
2-Methylphenol	ND	240	820	µg/Kg	2.5	4/27/2009 01:31 PM	

Qualifiers: B Analyte detected in the associated Method Blank E Value above quantitation range
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Client Sample ID: 1001-105-2-S
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Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3550B

EPA 8270C

RunID: MS 13_090422B	QC Batch: 54912	PrepDate: 4/22/2009	Analyst: DMP
2-Nitroaniline	ND	200	4100
2-Nitrophenol	ND	170	820
3,3'-Dichlorobenzidine	ND	200	1600
3-Nitroaniline	ND	150	4100
4,6-Dinitro-2-methylphenol	ND	160	4100
4-Bromophenyl-phenylether	ND	180	820
4-Chloro-3-methylphenol	ND	190	1600
4-Chloroaniline	ND	180	1600
4-Chlorophenyl-phenylether	ND	180	820
4-Methylphenol	ND	200	820
4-Nitroaniline	ND	150	4100
4-Nitrophenol	ND	180	4100
Acenaphthene	ND	180	820
Acenaphthylene	ND	170	820
Anthracene	ND	190	820
Benzidine (M)	ND	180	4100
Benzo(a)anthracene	ND	170	820
Benzo(a)pyrene	ND	200	820
Benzo(b)fluoranthene	ND	180	820
Benzo(g,h,i)perylene	ND	180	820
Benzo(k)fluoranthene	ND	240	820
Benzoic acid	ND	160	4100
Benzyl alcohol	ND	220	1600
Bis(2-chloroethoxy)methane	ND	200	820
Bis(2-chloroethyl)ether	ND	200	820
Bis(2-chloroisopropyl)ether	ND	230	820
Bis(2-ethylhexyl)phthalate	ND	180	820
Butylbenzylphthalate	ND	180	820
Chrysene	ND	200	820
Di-n-butylphthalate	ND	190	820
Di-n-octylphthalate	ND	180	820
Dibenz(a,h)anthracene	ND	210	820
Dibenzofuran	ND	170	820
Diethylphthalate	ND	180	820
Dimethylphthalate	ND	170	820

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SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3550B

EPA 8270C

RunID: MS 13_090422B	QC Batch: 54912	PrepDate: 4/22/2009	Analyst: DMP
Fluoranthene	ND	180	820
Fluorene	ND	170	820
Hexachlorobenzene	ND	190	820
Hexachlorobutadiene	ND	190	1600
Hexachlorocyclopentadiene	ND	200	1600
Hexachloroethane	ND	200	820
Indeno(1,2,3-cd)pyrene	ND	170	820
Isophorone	ND	210	820
N-Nitrosodi-n-propylamine	ND	200	820
N-Nitrosodiphenylamine	ND	200	820
Naphthalene	ND	210	820
Nitrobenzene	ND	200	820
Pentachlorophenol	ND	140	4100
Phenanthrene	ND	190	820
Phenol	ND	240	820
Pyrene	ND	190	820
Surr: 1,2-Dichlorobenzene-d4	77.9	0	49-103
Surr: 2,4,6-Tribromophenol	81.7	0	47-129
Surr: 2-Chlorophenol-d4	86.5	0	54-109
Surr: 2-Fluorobiphenyl	94.8	0	59-108
Surr: 2-Fluorophenol	80.3	0	50-111
Surr: 4-Terphenyl-d14	110	0	58-135
Surr: Nitrobenzene-d5	93.9	0	54-115
Surr: Phenol-d5	90.6	0	58-112

PH

EPA 9045C

RunID: WETCHEM_090421C	QC Batch: R108341	PrepDate:	Analyst: DDL
pH	7.9	0.10	0.10

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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS4_090421A	QC Batch: K09VS060	PrepDate: 4/21/2009	Analyst: HH
1,1,1,2-Tetrachloroethane	ND 0.91	4.8	µg/Kg 1 4/21/2009 04:31 PM
1,1,1-Trichloroethane	ND 1.3	4.8	µg/Kg 1 4/21/2009 04:31 PM
1,1,2,2-Tetrachloroethane	ND 2.9	4.8	µg/Kg 1 4/21/2009 04:31 PM
1,1,2-Trichloroethane	ND 1.2	4.8	µg/Kg 1 4/21/2009 04:31 PM
1,1-Dichloroethane	ND 0.58	4.8	µg/Kg 1 4/21/2009 04:31 PM
1,1-Dichloroethene	ND 0.43	4.8	µg/Kg 1 4/21/2009 04:31 PM
1,1-Dichloropropene	ND 2.0	4.8	µg/Kg 1 4/21/2009 04:31 PM
1,2,3-Trichlorobenzene	ND 3.6	4.8	µg/Kg 1 4/21/2009 04:31 PM
1,2,3-Trichloropropane	ND 2.2	4.8	µg/Kg 1 4/21/2009 04:31 PM
1,2,4-Trichlorobenzene	ND 2.2	4.8	µg/Kg 1 4/21/2009 04:31 PM
1,2,4-Trimethylbenzene	ND 0.99	4.8	µg/Kg 1 4/21/2009 04:31 PM
1,2-Dibromo-3-chloropropane	ND 3.0	9.5	µg/Kg 1 4/21/2009 04:31 PM
1,2-Dibromoethane	ND 0.92	4.8	µg/Kg 1 4/21/2009 04:31 PM
1,2-Dichlorobenzene	ND 2.0	4.8	µg/Kg 1 4/21/2009 04:31 PM
1,2-Dichloroethane	ND 1.8	4.8	µg/Kg 1 4/21/2009 04:31 PM
1,2-Dichloropropane	ND 1.5	4.8	µg/Kg 1 4/21/2009 04:31 PM
1,3,5-Trimethylbenzene	ND 0.74	4.8	µg/Kg 1 4/21/2009 04:31 PM
1,3-Dichlorobenzene	ND 1.6	4.8	µg/Kg 1 4/21/2009 04:31 PM
1,3-Dichloropropane	ND 0.30	4.8	µg/Kg 1 4/21/2009 04:31 PM
1,4-Dichlorobenzene	ND 1.7	4.8	µg/Kg 1 4/21/2009 04:31 PM
2,2-Dichloropropane	ND 0.46	4.8	µg/Kg 1 4/21/2009 04:31 PM
2-Chlorotoluene	ND 0.85	4.8	µg/Kg 1 4/21/2009 04:31 PM
4-Chlorotoluene	ND 1.1	4.8	µg/Kg 1 4/21/2009 04:31 PM
4-Isopropyltoluene	ND 1.1	4.8	µg/Kg 1 4/21/2009 04:31 PM
Benzene	ND 0.61	4.8	µg/Kg 1 4/21/2009 04:31 PM
Bromobenzene	ND 1.2	4.8	µg/Kg 1 4/21/2009 04:31 PM
Bromodichloromethane	ND 1.3	4.8	µg/Kg 1 4/21/2009 04:31 PM
Bromoform	ND 1.9	4.8	µg/Kg 1 4/21/2009 04:31 PM
Bromomethane	ND 0.65	4.8	µg/Kg 1 4/21/2009 04:31 PM
Carbon tetrachloride	ND 1.3	4.8	µg/Kg 1 4/21/2009 04:31 PM
Chlorobenzene	ND 0.62	4.8	µg/Kg 1 4/21/2009 04:31 PM
Chloroethane	ND 0.83	4.8	µg/Kg 1 4/21/2009 04:31 PM
Chloroform	ND 1.4	4.8	µg/Kg 1 4/21/2009 04:31 PM
Chloromethane	ND 0.36	4.8	µg/Kg 1 4/21/2009 04:31 PM
cis-1,2-Dichloroethene	ND 1.7	4.8	µg/Kg 1 4/21/2009 04:31 PM

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VOLATILE ORGANIC COMPOUNDS BY GC/MS**EPA 8260B**

RunID: MS4_090421A	QC Batch: K09VS060	PrepDate: 4/21/2009	Analyst: HH
cis-1,3-Dichloropropene	ND 0.71	4.8	µg/Kg 1 4/21/2009 04:31 PM
Dibromochloromethane	ND 0.69	4.8	µg/Kg 1 4/21/2009 04:31 PM
Dibromomethane	ND 1.1	4.8	µg/Kg 1 4/21/2009 04:31 PM
Dichlorodifluoromethane	ND 0.51	4.8	µg/Kg 1 4/21/2009 04:31 PM
Ethylbenzene	ND 0.30	4.8	µg/Kg 1 4/21/2009 04:31 PM
Hexachlorobutadiene	ND 2.1	4.8	µg/Kg 1 4/21/2009 04:31 PM
Isopropylbenzene	ND 0.54	4.8	µg/Kg 1 4/21/2009 04:31 PM
m,p-Xylene	ND 0.66	9.5	µg/Kg 1 4/21/2009 04:31 PM
Methylene chloride	ND 4.8	4.8	µg/Kg 1 4/21/2009 04:31 PM
n-Butylbenzene	ND 1.2	4.8	µg/Kg 1 4/21/2009 04:31 PM
n-Propylbenzene	ND 0.65	4.8	µg/Kg 1 4/21/2009 04:31 PM
Naphthalene	ND 2.4	4.8	µg/Kg 1 4/21/2009 04:31 PM
o-Xylene	ND 0.48	4.8	µg/Kg 1 4/21/2009 04:31 PM
sec-Butylbenzene	ND 0.99	4.8	µg/Kg 1 4/21/2009 04:31 PM
Styrene	ND 0.57	4.8	µg/Kg 1 4/21/2009 04:31 PM
tert-Butylbenzene	ND 0.99	4.8	µg/Kg 1 4/21/2009 04:31 PM
Tetrachloroethene	ND 1.0	4.8	µg/Kg 1 4/21/2009 04:31 PM
Toluene	ND 0.53	4.8	µg/Kg 1 4/21/2009 04:31 PM
trans-1,2-Dichloroethene	ND 0.50	4.8	µg/Kg 1 4/21/2009 04:31 PM
Trichloroethene	ND 1.4	4.8	µg/Kg 1 4/21/2009 04:31 PM
Trichlorofluoromethane	ND 0.52	4.8	µg/Kg 1 4/21/2009 04:31 PM
Vinyl chloride	ND 0.40	4.8	µg/Kg 1 4/21/2009 04:31 PM
Surr: 1,2-Dichloroethane-d4	126 0	68-147	%REC 1 4/21/2009 04:31 PM
Surr: 4-Bromofluorobenzene	108 0	67-127	%REC 1 4/21/2009 04:31 PM
Surr: Dibromofluoromethane	117 0	72-141	%REC 1 4/21/2009 04:31 PM
Surr: Toluene-d8	114 0	75-120	%REC 1 4/21/2009 04:31 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-020E

Client Sample ID: 1001-105-2-S
Collection Date: 4/20/2009 1:15:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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GASOLINE RANGE ORGANICS BY GC/FID

EPA 8015B(M)

RunID: GC2_090421B	QC Batch: E09VS105	PrepDate: 4/20/2009	Analyst: KHN
GRO	ND 0.14	0.91	mg/Kg 1 4/22/2009 12:34 AM
Surr: Bromofluorobenzene (FID)	99.4 0	59-145	%REC 1 4/22/2009 12:34 AM

HYDROCARBON CHAIN IDENTIFICATION

EPA 8015B

RunID: GC2_090421B	QC Batch: E09VS105	PrepDate: 4/20/2009	Analyst: KHN
T/R Hydrocarbons: C4-C12	ND 0.18	0.91	mg/Kg 1 4/22/2009 12:34 AM
Surr: Bromofluorobenzene (FID)	99.4 0	59-145	%REC 1 4/22/2009 12:34 AM

Qualifiers:	B Analyte detected in the associated Method Blank	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	ND Not Detected at the Reporting Limit
	S Spike/Surrogate outside of limits due to matrix interference	Results are wet unless otherwise specified
	DO Surrogate Diluted Out	



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-021A

Client Sample ID: 1001-105-5-S
Collection Date: 4/20/2009 1:20:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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ICP METALS

EPA 3050B

EPA 6010B

RunID: ICP8_090424I	QC Batch: 54943	PrepDate: 4/23/2009	Analyst: CL
Antimony	ND 0.28	2.0	mg/Kg 1 4/24/2009 08:30 PM
Arsenic	ND 0.27	1.0	mg/Kg 1 4/24/2009 08:30 PM
Barium	150 0.13	1.0	mg/Kg 1 4/24/2009 08:30 PM
Beryllium	ND 0.055	1.0	mg/Kg 1 4/24/2009 08:30 PM
Cadmium	ND 0.0064	1.0	mg/Kg 1 4/24/2009 08:30 PM
Chromium	23 0.088	1.0	mg/Kg 1 4/24/2009 08:30 PM
Cobalt	9.2 0.014	1.0	mg/Kg 1 4/24/2009 08:30 PM
Copper	25 0.26	2.0	mg/Kg 1 4/24/2009 08:30 PM
Lead	ND 0.11	1.0	mg/Kg 1 4/24/2009 08:30 PM
Molybdenum	ND 0.043	1.0	mg/Kg 1 4/24/2009 08:30 PM
Nickel	17 0.032	1.0	mg/Kg 1 4/24/2009 08:30 PM
Selenium	ND 0.43	1.0	mg/Kg 1 4/24/2009 08:30 PM
Silver	ND 0.017	1.0	mg/Kg 1 4/24/2009 08:30 PM
Thallium	ND 0.23	1.0	mg/Kg 1 4/24/2009 08:30 PM
Vanadium	52 0.019	1.0	mg/Kg 1 4/24/2009 08:30 PM
Zinc	52 0.19	1.0	mg/Kg 1 4/24/2009 08:30 PM

HEXAVALENT CHROMIUM

EPA 7196A

RunID: WETCHEM3_090424D	QC Batch: 54997	PrepDate: 4/23/2009	Analyst: CBB
Chromium, Hexavalent	ND 0.074	0.10	mg/Kg 1 4/24/2009

DIESEL RANGE ORGANICS BY GC/FID LUFT

EPA 8015B(M)

RunID: GC16_090423A	QC Batch: 54880	PrepDate: 4/21/2009	Analyst: CBR
DRO	42 10	10	mg/Kg 1 4/25/2009 05:19 PM
Surr: p-Terphenyl	103 0	57-144	%REC 1 4/25/2009 05:19 PM

HYDROCARBON CHAIN IDENTIFICATION LUFT

EPA 8015B(M)

RunID: GC16_090423A	QC Batch: 54880	PrepDate: 4/21/2009	Analyst: CBR
T/R Hydrocarbons: C13-C22	23 10	10	mg/Kg 1 4/25/2009 05:19 PM
T/R Hydrocarbons: C23-C32	24 10	10	mg/Kg 1 4/25/2009 05:19 PM
T/R Hydrocarbons:>C32	ND 10	10	mg/Kg 1 4/25/2009 05:19 PM
Surr: p-Terphenyl	103 0	57-144	%REC 1 4/25/2009 05:19 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-021A

Client Sample ID: 1001-105-5-S
Collection Date: 4/20/2009 1:20:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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PCBS BY GC/ECD

EPA 3550B

EPA 8082

RunID: GC4_090423C	QC Batch: 54930	PrepDate: 4/22/2009	Analyst: BB
Aroclor 1016	ND 5.0	16	µg/Kg 1 4/23/2009 05:58 PM
Aroclor 1221	ND 5.0	33	µg/Kg 1 4/23/2009 05:58 PM
Aroclor 1232	ND 5.0	16	µg/Kg 1 4/23/2009 05:58 PM
Aroclor 1242	ND 5.0	16	µg/Kg 1 4/23/2009 05:58 PM
Aroclor 1248	ND 5.0	16	µg/Kg 1 4/23/2009 05:58 PM
Aroclor 1254	ND 5.0	16	µg/Kg 1 4/23/2009 05:58 PM
Aroclor 1260	ND 5.0	16	µg/Kg 1 4/23/2009 05:58 PM
Aroclor 1262	ND 5.0	16	µg/Kg 1 4/23/2009 05:58 PM
Aroclor 1268	ND 5.0	16	µg/Kg 1 4/23/2009 05:58 PM
Surr: Decachlorobiphenyl	84.5 0	30-124	%REC 1 4/23/2009 05:58 PM
Surr: Tetrachloro-m-xylene	95.5 0	40-118	%REC 1 4/23/2009 05:58 PM

MERCURY BY COLD VAPOR TECHNIQUE

EPA 7471A

RunID: AA5_090422E	QC Batch: 54902	PrepDate: 4/22/2009	Analyst: RQ
Mercury	ND 0.021	0.10	mg/Kg 1 4/22/2009 04:14 PM

SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3550B

EPA 8270C

RunID: MS 13_090422B	QC Batch: 54912	PrepDate: 4/22/2009	Analyst: DMP
1,2,4-Trichlorobenzene	ND 82	330	µg/Kg 1 4/23/2009 09:47 AM
1,2-Dichlorobenzene	ND 85	330	µg/Kg 1 4/23/2009 09:47 AM
1,3-Dichlorobenzene	ND 74	330	µg/Kg 1 4/23/2009 09:47 AM
1,4-Dichlorobenzene	ND 78	330	µg/Kg 1 4/23/2009 09:47 AM
2,4,5-Trichlorophenol	ND 56	330	µg/Kg 1 4/23/2009 09:47 AM
2,4,6-Trichlorophenol	ND 78	330	µg/Kg 1 4/23/2009 09:47 AM
2,4-Dichlorophenol	ND 87	1600	µg/Kg 1 4/23/2009 09:47 AM
2,4-Dimethylphenol	ND 88	330	µg/Kg 1 4/23/2009 09:47 AM
2,4-Dinitrophenol	ND 45	1600	µg/Kg 1 4/23/2009 09:47 AM
2,4-Dinitrotoluene	ND 67	330	µg/Kg 1 4/23/2009 09:47 AM
2,6-Dinitrotoluene	ND 67	330	µg/Kg 1 4/23/2009 09:47 AM
2-Chloronaphthalene	ND 70	330	µg/Kg 1 4/23/2009 09:47 AM
2-Chlorophenol	ND 89	330	µg/Kg 1 4/23/2009 09:47 AM
2-Methylnaphthalene	ND 78	330	µg/Kg 1 4/23/2009 09:47 AM
2-Methylphenol	ND 96	330	µg/Kg 1 4/23/2009 09:47 AM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-021A

Client Sample ID: 1001-105-5-S
Collection Date: 4/20/2009 1:20:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3550B

EPA 8270C

RunID: MS 13_090422B	QC Batch: 54912	PrepDate: 4/22/2009	Analyst: DMP
2-Nitroaniline	ND	79	1600
2-Nitrophenol	ND	70	330
3,3'-Dichlorobenzidine	ND	78	660
3-Nitroaniline	ND	60	1600
4,6-Dinitro-2-methylphenol	ND	63	1600
4-Bromophenyl-phenylether	ND	73	330
4-Chloro-3-methylphenol	ND	75	660
4-Chloroaniline	ND	73	660
4-Chlorophenyl-phenylether	ND	70	330
4-Methylphenol	ND	79	330
4-Nitroaniline	ND	60	1600
4-Nitrophenol	ND	71	1600
Acenaphthene	ND	70	330
Acenaphthylene	ND	69	330
Anthracene	ND	76	330
Benzidine (M)	ND	71	1600
Benzo(a)anthracene	ND	69	330
Benzo(a)pyrene	ND	82	330
Benzo(b)fluoranthene	ND	70	330
Benzo(g,h,i)perylene	ND	71	330
Benzo(k)fluoranthene	ND	98	330
Benzoic acid	ND	64	1600
Benzyl alcohol	ND	86	660
Bis(2-chloroethoxy)methane	ND	79	330
Bis(2-chloroethyl)ether	ND	81	330
Bis(2-chloroisopropyl)ether	ND	91	330
Bis(2-ethylhexyl)phthalate	ND	72	330
Butylbenzylphthalate	ND	72	330
Chrysene	ND	79	330
Di-n-butylphthalate	ND	78	330
Di-n-octylphthalate	ND	71	330
Dibenz(a,h)anthracene	ND	83	330
Dibenzofuran	ND	68	330
Diethylphthalate	ND	74	330
Dimethylphthalate	ND	69	330

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
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	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

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Lab Order: 105139
Project: 207126015
Lab ID: 105139-021A

Client Sample ID: 1001-105-5-S
Collection Date: 4/20/2009 1:20:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3550B

EPA 8270C

RunID: MS 13_090422B	QC Batch: 54912	PrepDate: 4/22/2009	Analyst: DMP
Fluoranthene	ND	73	330
Fluorene	ND	69	330
Hexachlorobenzene	ND	76	330
Hexachlorobutadiene	ND	77	660
Hexachlorocyclopentadiene	ND	80	660
Hexachloroethane	ND	81	330
Indeno(1,2,3-cd)pyrene	ND	69	330
Isophorone	ND	85	330
N-Nitrosodi-n-propylamine	ND	82	330
N-Nitrosodiphenylamine	ND	79	330
Naphthalene	ND	86	330
Nitrobenzene	ND	82	330
Pentachlorophenol	ND	55	1600
Phenanthrene	ND	76	330
Phenol	ND	95	330
Pyrene	ND	77	330
Surr: 1,2-Dichlorobenzene-d4	79.4	0	49-103
Surr: 2,4,6-Tribromophenol	86.0	0	47-129
Surr: 2-Chlorophenol-d4	90.1	0	54-109
Surr: 2-Fluorobiphenyl	93.6	0	59-108
Surr: 2-Fluorophenol	89.0	0	50-111
Surr: 4-Terphenyl-d14	128	0	58-135
Surr: Nitrobenzene-d5	86.1	0	54-115
Surr: Phenol-d5	92.6	0	58-112

PH

EPA 9045C

RunID: WETCHEM_090421D	QC Batch: R108342	PrepDate:	Analyst: DDL
pH	7.0	0.10	0.10

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-021C

Client Sample ID: 1001-105-5-S
Collection Date: 4/20/2009 1:20:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS5_090422A	QC Batch: T09VS104	PrepDate: 4/22/2009	Analyst: HH
1,1,1,2-Tetrachloroethane	ND 0.87	4.5	µg/Kg 1 4/22/2009 03:45 PM
1,1,1-Trichloroethane	ND 1.2	4.5	µg/Kg 1 4/22/2009 03:45 PM
1,1,2,2-Tetrachloroethane	ND 2.8	4.5	µg/Kg 1 4/22/2009 03:45 PM
1,1,2-Trichloroethane	ND 1.1	4.5	µg/Kg 1 4/22/2009 03:45 PM
1,1-Dichloroethane	ND 0.55	4.5	µg/Kg 1 4/22/2009 03:45 PM
1,1-Dichloroethene	ND 0.41	4.5	µg/Kg 1 4/22/2009 03:45 PM
1,1-Dichloropropene	ND 1.9	4.5	µg/Kg 1 4/22/2009 03:45 PM
1,2,3-Trichlorobenzene	ND 3.4	4.5	µg/Kg 1 4/22/2009 03:45 PM
1,2,3-Trichloropropane	ND 2.1	4.5	µg/Kg 1 4/22/2009 03:45 PM
1,2,4-Trichlorobenzene	ND 2.1	4.5	µg/Kg 1 4/22/2009 03:45 PM
1,2,4-Trimethylbenzene	ND 0.94	4.5	µg/Kg 1 4/22/2009 03:45 PM
1,2-Dibromo-3-chloropropane	ND 2.8	9.0	µg/Kg 1 4/22/2009 03:45 PM
1,2-Dibromoethane	ND 0.88	4.5	µg/Kg 1 4/22/2009 03:45 PM
1,2-Dichlorobenzene	ND 1.9	4.5	µg/Kg 1 4/22/2009 03:45 PM
1,2-Dichloroethane	ND 1.7	4.5	µg/Kg 1 4/22/2009 03:45 PM
1,2-Dichloropropane	ND 1.4	4.5	µg/Kg 1 4/22/2009 03:45 PM
1,3,5-Trimethylbenzene	ND 0.70	4.5	µg/Kg 1 4/22/2009 03:45 PM
1,3-Dichlorobenzene	ND 1.5	4.5	µg/Kg 1 4/22/2009 03:45 PM
1,3-Dichloropropane	ND 0.29	4.5	µg/Kg 1 4/22/2009 03:45 PM
1,4-Dichlorobenzene	ND 1.6	4.5	µg/Kg 1 4/22/2009 03:45 PM
2,2-Dichloropropane	ND 0.43	4.5	µg/Kg 1 4/22/2009 03:45 PM
2-Chlorotoluene	ND 0.80	4.5	µg/Kg 1 4/22/2009 03:45 PM
4-Chlorotoluene	ND 1.0	4.5	µg/Kg 1 4/22/2009 03:45 PM
4-Isopropyltoluene	ND 1.0	4.5	µg/Kg 1 4/22/2009 03:45 PM
Benzene	ND 0.58	4.5	µg/Kg 1 4/22/2009 03:45 PM
Bromobenzene	ND 1.1	4.5	µg/Kg 1 4/22/2009 03:45 PM
Bromodichloromethane	ND 1.2	4.5	µg/Kg 1 4/22/2009 03:45 PM
Bromoform	ND 1.8	4.5	µg/Kg 1 4/22/2009 03:45 PM
Bromomethane	ND 0.61	4.5	µg/Kg 1 4/22/2009 03:45 PM
Carbon tetrachloride	ND 1.3	4.5	µg/Kg 1 4/22/2009 03:45 PM
Chlorobenzene	ND 0.59	4.5	µg/Kg 1 4/22/2009 03:45 PM
Chloroethane	ND 0.79	4.5	µg/Kg 1 4/22/2009 03:45 PM
Chloroform	ND 1.3	4.5	µg/Kg 1 4/22/2009 03:45 PM
Chloromethane	ND 0.34	4.5	µg/Kg 1 4/22/2009 03:45 PM
cis-1,2-Dichloroethene	ND 1.6	4.5	µg/Kg 1 4/22/2009 03:45 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-021C

Client Sample ID: 1001-105-5-S
Collection Date: 4/20/2009 1:20:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS5_090422A	QC Batch: T09VS104	PrepDate: 4/22/2009	Analyst: HH
cis-1,3-Dichloropropene	ND 0.68	4.5	µg/Kg 1 4/22/2009 03:45 PM
Dibromochloromethane	ND 0.65	4.5	µg/Kg 1 4/22/2009 03:45 PM
Dibromomethane	ND 1.1	4.5	µg/Kg 1 4/22/2009 03:45 PM
Dichlorodifluoromethane	ND 0.49	4.5	µg/Kg 1 4/22/2009 03:45 PM
Ethylbenzene	ND 0.29	4.5	µg/Kg 1 4/22/2009 03:45 PM
Hexachlorobutadiene	ND 2.0	4.5	µg/Kg 1 4/22/2009 03:45 PM
Isopropylbenzene	ND 0.51	4.5	µg/Kg 1 4/22/2009 03:45 PM
m,p-Xylene	ND 0.62	9.0	µg/Kg 1 4/22/2009 03:45 PM
Methylene chloride	ND 4.5	4.5	µg/Kg 1 4/22/2009 03:45 PM
n-Butylbenzene	ND 1.1	4.5	µg/Kg 1 4/22/2009 03:45 PM
n-Propylbenzene	ND 0.61	4.5	µg/Kg 1 4/22/2009 03:45 PM
Naphthalene	ND 2.3	4.5	µg/Kg 1 4/22/2009 03:45 PM
o-Xylene	ND 0.45	4.5	µg/Kg 1 4/22/2009 03:45 PM
sec-Butylbenzene	ND 0.94	4.5	µg/Kg 1 4/22/2009 03:45 PM
Styrene	ND 0.54	4.5	µg/Kg 1 4/22/2009 03:45 PM
tert-Butylbenzene	ND 0.94	4.5	µg/Kg 1 4/22/2009 03:45 PM
Tetrachloroethene	ND 0.95	4.5	µg/Kg 1 4/22/2009 03:45 PM
Toluene	ND 0.51	4.5	µg/Kg 1 4/22/2009 03:45 PM
trans-1,2-Dichloroethene	ND 0.48	4.5	µg/Kg 1 4/22/2009 03:45 PM
Trichloroethene	ND 1.4	4.5	µg/Kg 1 4/22/2009 03:45 PM
Trichlorofluoromethane	ND 0.50	4.5	µg/Kg 1 4/22/2009 03:45 PM
Vinyl chloride	ND 0.38	4.5	µg/Kg 1 4/22/2009 03:45 PM
Surr: 1,2-Dichloroethane-d4	116 0	68-147	%REC 1 4/22/2009 03:45 PM
Surr: 4-Bromofluorobenzene	98.4 0	67-127	%REC 1 4/22/2009 03:45 PM
Surr: Dibromofluoromethane	116 0	72-141	%REC 1 4/22/2009 03:45 PM
Surr: Toluene-d8	112 0	75-120	%REC 1 4/22/2009 03:45 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-021E

Client Sample ID: 1001-105-5-S
Collection Date: 4/20/2009 1:20:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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GASOLINE RANGE ORGANICS BY GC/FID

EPA 8015B(M)

RunID: GC2_090421C	QC Batch: E09VS106	PrepDate: 4/20/2009	Analyst: KHN		
GRO	ND 0.13	0.88	mg/Kg	1	4/22/2009 03:25 AM
Surr: Bromofluorobenzene (FID)	111 0	59-145	%REC	1	4/22/2009 03:25 AM

HYDROCARBON CHAIN IDENTIFICATION

EPA 8015B

RunID: GC2_090421C	QC Batch: E09VS106	PrepDate: 4/20/2009	Analyst: KHN		
T/R Hydrocarbons: C4-C12	ND 0.17	0.88	mg/Kg	1	4/22/2009 03:25 AM
Surr: Bromofluorobenzene (FID)	111 0	59-145	%REC	1	4/22/2009 03:25 AM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-022A

Client Sample ID: 1001-105-10-S
Collection Date: 4/20/2009 1:25:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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ICP METALS

EPA 3050B		EPA 6010B			
RunID: ICP8_090424I	QC Batch: 54943			PrepDate: 4/23/2009	Analyst: CL
Antimony	ND	0.28	2.0	mg/Kg	1 4/24/2009 08:33 PM
Arsenic	ND	0.27	1.0	mg/Kg	1 4/24/2009 08:33 PM
Barium	85	0.13	1.0	mg/Kg	1 4/24/2009 08:33 PM
Beryllium	ND	0.055	1.0	mg/Kg	1 4/24/2009 08:33 PM
Cadmium	ND	0.0064	1.0	mg/Kg	1 4/24/2009 08:33 PM
Chromium	25	0.088	1.0	mg/Kg	1 4/24/2009 08:33 PM
Cobalt	4.6	0.014	1.0	mg/Kg	1 4/24/2009 08:33 PM
Copper	10	0.26	2.0	mg/Kg	1 4/24/2009 08:33 PM
Lead	ND	0.11	1.0	mg/Kg	1 4/24/2009 08:33 PM
Molybdenum	7.7	0.043	1.0	mg/Kg	1 4/24/2009 08:33 PM
Nickel	7.1	0.032	1.0	mg/Kg	1 4/24/2009 08:33 PM
Selenium	ND	0.43	1.0	mg/Kg	1 4/24/2009 08:33 PM
Silver	ND	0.017	1.0	mg/Kg	1 4/24/2009 08:33 PM
Thallium	ND	0.23	1.0	mg/Kg	1 4/24/2009 08:33 PM
Vanadium	30	0.019	1.0	mg/Kg	1 4/24/2009 08:33 PM
Zinc	31	0.19	1.0	mg/Kg	1 4/24/2009 08:33 PM

HEXAVALENT CHROMIUM

EPA 7196A	
RunID: WETCHEM3_090424D	QC Batch: 54997
PrepDate: 4/23/2009	Analyst: CBB
Chromium, Hexavalent	ND 0.074 0.10 mg/Kg 1 4/24/2009

DIESEL RANGE ORGANICS BY GC/FID LUFT

EPA 8015B(M)	
RunID: GC16_090423A	QC Batch: 54880
PrepDate: 4/21/2009	Analyst: CBR
DRO	ND 10 10 mg/Kg 1 4/25/2009 05:28 PM
Surr: p-Terphenyl	101 0 57-144 %REC 1 4/25/2009 05:28 PM

HYDROCARBON CHAIN IDENTIFICATION LUFT

EPA 8015B(M)	
RunID: GC16_090423A	QC Batch: 54880
PrepDate: 4/21/2009	Analyst: CBR
T/R Hydrocarbons: C13-C22	ND 10 10 mg/Kg 1 4/25/2009 05:28 PM
T/R Hydrocarbons: C23-C32	ND 10 10 mg/Kg 1 4/25/2009 05:28 PM
T/R Hydrocarbons:>C32	ND 10 10 mg/Kg 1 4/25/2009 05:28 PM
Surr: p-Terphenyl	101 0 57-144 %REC 1 4/25/2009 05:28 PM

Qualifiers:	B Analyte detected in the associated Method Blank	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	ND Not Detected at the Reporting Limit
	S Spike/Surrogate outside of limits due to matrix interference	Results are wet unless otherwise specified
	DO Surrogate Diluted Out	



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-022A

Client Sample ID: 1001-105-10-S
Collection Date: 4/20/2009 1:25:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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PCBS BY GC/ECD

EPA 3550B		EPA 8082	
RunID: GC4_090423C	QC Batch: 54930	PrepDate: 4/22/2009	Analyst: BB
Aroclor 1016	ND 5.0	16	µg/Kg 1 4/23/2009 06:27 PM
Aroclor 1221	ND 5.0	33	µg/Kg 1 4/23/2009 06:27 PM
Aroclor 1232	ND 5.0	16	µg/Kg 1 4/23/2009 06:27 PM
Aroclor 1242	ND 5.0	16	µg/Kg 1 4/23/2009 06:27 PM
Aroclor 1248	ND 5.0	16	µg/Kg 1 4/23/2009 06:27 PM
Aroclor 1254	ND 5.0	16	µg/Kg 1 4/23/2009 06:27 PM
Aroclor 1260	ND 5.0	16	µg/Kg 1 4/23/2009 06:27 PM
Aroclor 1262	ND 5.0	16	µg/Kg 1 4/23/2009 06:27 PM
Aroclor 1268	ND 5.0	16	µg/Kg 1 4/23/2009 06:27 PM
Surr: Decachlorobiphenyl	88.6 0	30-124	%REC 1 4/23/2009 06:27 PM
Surr: Tetrachloro-m-xylene	95.0 0	40-118	%REC 1 4/23/2009 06:27 PM

MERCURY BY COLD VAPOR TECHNIQUE

EPA 7471A	
RunID: AA5_090422E	QC Batch: 54902
PrepDate: 4/22/2009	Analyst: RQ
Mercury	ND 0.021 0.10 mg/Kg 1 4/22/2009 04:16 PM

SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3550B		EPA 8270C	
RunID: MS 13_090422B	QC Batch: 54912	PrepDate: 4/22/2009	Analyst: DMP
1,2,4-Trichlorobenzene	ND 82	330	µg/Kg 1 4/23/2009 10:15 AM
1,2-Dichlorobenzene	ND 85	330	µg/Kg 1 4/23/2009 10:15 AM
1,3-Dichlorobenzene	ND 74	330	µg/Kg 1 4/23/2009 10:15 AM
1,4-Dichlorobenzene	ND 78	330	µg/Kg 1 4/23/2009 10:15 AM
2,4,5-Trichlorophenol	ND 56	330	µg/Kg 1 4/23/2009 10:15 AM
2,4,6-Trichlorophenol	ND 78	330	µg/Kg 1 4/23/2009 10:15 AM
2,4-Dichlorophenol	ND 87	1600	µg/Kg 1 4/23/2009 10:15 AM
2,4-Dimethylphenol	ND 88	330	µg/Kg 1 4/23/2009 10:15 AM
2,4-Dinitrophenol	ND 45	1600	µg/Kg 1 4/23/2009 10:15 AM
2,4-Dinitrotoluene	ND 67	330	µg/Kg 1 4/23/2009 10:15 AM
2,6-Dinitrotoluene	ND 67	330	µg/Kg 1 4/23/2009 10:15 AM
2-Chloronaphthalene	ND 70	330	µg/Kg 1 4/23/2009 10:15 AM
2-Chlorophenol	ND 89	330	µg/Kg 1 4/23/2009 10:15 AM
2-Methylnaphthalene	ND 78	330	µg/Kg 1 4/23/2009 10:15 AM
2-Methylphenol	ND 96	330	µg/Kg 1 4/23/2009 10:15 AM

Qualifiers: B Analyte detected in the associated Method Blank E Value above quantitation range
H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit
S Spike/Surrogate outside of limits due to matrix interference Results are wet unless otherwise specified
DO Surrogate Diluted Out



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-022A

Client Sample ID: 1001-105-10-S
Collection Date: 4/20/2009 1:25:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3550B

EPA 8270C

RunID: MS 13_090422B	QC Batch: 54912	PrepDate: 4/22/2009	Analyst: DMP
2-Nitroaniline	ND	79	1600
2-Nitrophenol	ND	70	330
3,3'-Dichlorobenzidine	ND	78	660
3-Nitroaniline	ND	60	1600
4,6-Dinitro-2-methylphenol	ND	63	1600
4-Bromophenyl-phenylether	ND	73	330
4-Chloro-3-methylphenol	ND	75	660
4-Chloroaniline	ND	73	660
4-Chlorophenyl-phenylether	ND	70	330
4-Methylphenol	ND	79	330
4-Nitroaniline	ND	60	1600
4-Nitrophenol	ND	71	1600
Acenaphthene	ND	70	330
Acenaphthylene	ND	69	330
Anthracene	ND	76	330
Benzidine (M)	ND	71	1600
Benzo(a)anthracene	ND	69	330
Benzo(a)pyrene	ND	82	330
Benzo(b)fluoranthene	ND	70	330
Benzo(g,h,i)perylene	ND	71	330
Benzo(k)fluoranthene	ND	98	330
Benzoic acid	ND	64	1600
Benzyl alcohol	ND	86	660
Bis(2-chloroethoxy)methane	ND	79	330
Bis(2-chloroethyl)ether	ND	81	330
Bis(2-chloroisopropyl)ether	ND	91	330
Bis(2-ethylhexyl)phthalate	ND	72	330
Butylbenzylphthalate	ND	72	330
Chrysene	ND	79	330
Di-n-butylphthalate	ND	78	330
Di-n-octylphthalate	ND	71	330
Dibenz(a,h)anthracene	ND	83	330
Dibenzofuran	ND	68	330
Diethylphthalate	ND	74	330
Dimethylphthalate	ND	69	330

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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Advanced Technology Laboratories**ANALYTICAL RESULTS**

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-022A

Client Sample ID: 1001-105-10-S
Collection Date: 4/20/2009 1:25:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS**EPA 3550B****EPA 8270C**

RunID: MS 13_090422B	QC Batch: 54912			PrepDate: 4/22/2009	Analyst: DMP
Fluoranthene	ND	73	330	µg/Kg	1 4/23/2009 10:15 AM
Fluorene	ND	69	330	µg/Kg	1 4/23/2009 10:15 AM
Hexachlorobenzene	ND	76	330	µg/Kg	1 4/23/2009 10:15 AM
Hexachlorobutadiene	ND	77	660	µg/Kg	1 4/23/2009 10:15 AM
Hexachlorocyclopentadiene	ND	80	660	µg/Kg	1 4/23/2009 10:15 AM
Hexachloroethane	ND	81	330	µg/Kg	1 4/23/2009 10:15 AM
Indeno(1,2,3-cd)pyrene	ND	69	330	µg/Kg	1 4/23/2009 10:15 AM
Isophorone	ND	85	330	µg/Kg	1 4/23/2009 10:15 AM
N-Nitrosodi-n-propylamine	ND	82	330	µg/Kg	1 4/23/2009 10:15 AM
N-Nitrosodiphenylamine	ND	79	330	µg/Kg	1 4/23/2009 10:15 AM
Naphthalene	ND	86	330	µg/Kg	1 4/23/2009 10:15 AM
Nitrobenzene	ND	82	330	µg/Kg	1 4/23/2009 10:15 AM
Pentachlorophenol	ND	55	1600	µg/Kg	1 4/23/2009 10:15 AM
Phenanthrene	ND	76	330	µg/Kg	1 4/23/2009 10:15 AM
Phenol	ND	95	330	µg/Kg	1 4/23/2009 10:15 AM
Pyrene	ND	77	330	µg/Kg	1 4/23/2009 10:15 AM
Surr: 1,2-Dichlorobenzene-d4	79.2	0	49-103	%REC	1 4/23/2009 10:15 AM
Surr: 2,4,6-Tribromophenol	87.2	0	47-129	%REC	1 4/23/2009 10:15 AM
Surr: 2-Chlorophenol-d4	90.8	0	54-109	%REC	1 4/23/2009 10:15 AM
Surr: 2-Fluorobiphenyl	94.3	0	59-108	%REC	1 4/23/2009 10:15 AM
Surr: 2-Fluorophenol	88.9	0	50-111	%REC	1 4/23/2009 10:15 AM
Surr: 4-Terphenyl-d14	133	0	58-135	%REC	1 4/23/2009 10:15 AM
Surr: Nitrobenzene-d5	86.0	0	54-115	%REC	1 4/23/2009 10:15 AM
Surr: Phenol-d5	93.1	0	58-112	%REC	1 4/23/2009 10:15 AM

PH**EPA 9045C**

RunID: WETCHEM_090421D	QC Batch: R108342			PrepDate:	Analyst: DDL
pH	7.7	0.10	0.10	pH Units	1 4/21/2009

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-022B

Client Sample ID: 1001-105-10-S
Collection Date: 4/20/2009 1:25:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS5_090421B	QC Batch: T09VS103	PrepDate: 4/21/2009	Analyst: HH
1,1,1,2-Tetrachloroethane	ND 1.1	6.0	µg/Kg 1 4/21/2009 07:49 PM
1,1,1-Trichloroethane	ND 1.6	6.0	µg/Kg 1 4/21/2009 07:49 PM
1,1,2,2-Tetrachloroethane	ND 3.7	6.0	µg/Kg 1 4/21/2009 07:49 PM
1,1,2-Trichloroethane	ND 1.5	6.0	µg/Kg 1 4/21/2009 07:49 PM
1,1-Dichloroethane	ND 0.73	6.0	µg/Kg 1 4/21/2009 07:49 PM
1,1-Dichloroethene	ND 0.54	6.0	µg/Kg 1 4/21/2009 07:49 PM
1,1-Dichloropropene	ND 2.5	6.0	µg/Kg 1 4/21/2009 07:49 PM
1,2,3-Trichlorobenzene	ND 4.5	6.0	µg/Kg 1 4/21/2009 07:49 PM
1,2,3-Trichloropropane	ND 2.8	6.0	µg/Kg 1 4/21/2009 07:49 PM
1,2,4-Trichlorobenzene	ND 2.8	6.0	µg/Kg 1 4/21/2009 07:49 PM
1,2,4-Trimethylbenzene	ND 1.2	6.0	µg/Kg 1 4/21/2009 07:49 PM
1,2-Dibromo-3-chloropropane	ND 3.8	12	µg/Kg 1 4/21/2009 07:49 PM
1,2-Dibromoethane	ND 1.2	6.0	µg/Kg 1 4/21/2009 07:49 PM
1,2-Dichlorobenzene	ND 2.5	6.0	µg/Kg 1 4/21/2009 07:49 PM
1,2-Dichloroethane	ND 2.2	6.0	µg/Kg 1 4/21/2009 07:49 PM
1,2-Dichloropropane	ND 1.9	6.0	µg/Kg 1 4/21/2009 07:49 PM
1,3,5-Trimethylbenzene	ND 0.93	6.0	µg/Kg 1 4/21/2009 07:49 PM
1,3-Dichlorobenzene	ND 2.0	6.0	µg/Kg 1 4/21/2009 07:49 PM
1,3-Dichloropropane	ND 0.38	6.0	µg/Kg 1 4/21/2009 07:49 PM
1,4-Dichlorobenzene	ND 2.1	6.0	µg/Kg 1 4/21/2009 07:49 PM
2,2-Dichloropropane	ND 0.57	6.0	µg/Kg 1 4/21/2009 07:49 PM
2-Chlorotoluene	ND 1.1	6.0	µg/Kg 1 4/21/2009 07:49 PM
4-Chlorotoluene	ND 1.4	6.0	µg/Kg 1 4/21/2009 07:49 PM
4-Isopropyltoluene	ND 1.3	6.0	µg/Kg 1 4/21/2009 07:49 PM
Benzene	ND 0.77	6.0	µg/Kg 1 4/21/2009 07:49 PM
Bromobenzene	ND 1.5	6.0	µg/Kg 1 4/21/2009 07:49 PM
Bromodichloromethane	ND 1.6	6.0	µg/Kg 1 4/21/2009 07:49 PM
Bromoform	ND 2.4	6.0	µg/Kg 1 4/21/2009 07:49 PM
Bromomethane	ND 0.81	6.0	µg/Kg 1 4/21/2009 07:49 PM
Carbon tetrachloride	ND 1.7	6.0	µg/Kg 1 4/21/2009 07:49 PM
Chlorobenzene	ND 0.78	6.0	µg/Kg 1 4/21/2009 07:49 PM
Chloroethane	ND 1.0	6.0	µg/Kg 1 4/21/2009 07:49 PM
Chloroform	ND 1.8	6.0	µg/Kg 1 4/21/2009 07:49 PM
Chloromethane	ND 0.45	6.0	µg/Kg 1 4/21/2009 07:49 PM
cis-1,2-Dichloroethene	ND 2.2	6.0	µg/Kg 1 4/21/2009 07:49 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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Advanced Technology Laboratories**ANALYTICAL RESULTS**

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-022B

Client Sample ID: 1001-105-10-S
Collection Date: 4/20/2009 1:25:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS**EPA 8260B**

RunID: MS5_090421B	QC Batch: T09VS103	PrepDate: 4/21/2009	Analyst: HH
cis-1,3-Dichloropropene	ND 0.90	6.0	µg/Kg 1 4/21/2009 07:49 PM
Dibromochloromethane	ND 0.86	6.0	µg/Kg 1 4/21/2009 07:49 PM
Dibromomethane	ND 1.4	6.0	µg/Kg 1 4/21/2009 07:49 PM
Dichlorodifluoromethane	ND 0.65	6.0	µg/Kg 1 4/21/2009 07:49 PM
Ethylbenzene	ND 0.38	6.0	µg/Kg 1 4/21/2009 07:49 PM
Hexachlorobutadiene	ND 2.7	6.0	µg/Kg 1 4/21/2009 07:49 PM
Isopropylbenzene	ND 0.68	6.0	µg/Kg 1 4/21/2009 07:49 PM
m,p-Xylene	ND 0.83	12	µg/Kg 1 4/21/2009 07:49 PM
Methylene chloride	ND 6.0	6.0	µg/Kg 1 4/21/2009 07:49 PM
n-Butylbenzene	ND 1.4	6.0	µg/Kg 1 4/21/2009 07:49 PM
n-Propylbenzene	ND 0.81	6.0	µg/Kg 1 4/21/2009 07:49 PM
Naphthalene	ND 3.0	6.0	µg/Kg 1 4/21/2009 07:49 PM
o-Xylene	ND 0.60	6.0	µg/Kg 1 4/21/2009 07:49 PM
sec-Butylbenzene	ND 1.2	6.0	µg/Kg 1 4/21/2009 07:49 PM
Styrene	ND 0.72	6.0	µg/Kg 1 4/21/2009 07:49 PM
tert-Butylbenzene	ND 1.2	6.0	µg/Kg 1 4/21/2009 07:49 PM
Tetrachloroethene	ND 1.3	6.0	µg/Kg 1 4/21/2009 07:49 PM
Toluene	ND 0.67	6.0	µg/Kg 1 4/21/2009 07:49 PM
trans-1,2-Dichloroethene	ND 0.63	6.0	µg/Kg 1 4/21/2009 07:49 PM
Trichloroethene	ND 1.8	6.0	µg/Kg 1 4/21/2009 07:49 PM
Trichlorofluoromethane	ND 0.66	6.0	µg/Kg 1 4/21/2009 07:49 PM
Vinyl chloride	ND 0.50	6.0	µg/Kg 1 4/21/2009 07:49 PM
Surr: 1,2-Dichloroethane-d4	112 0	68-147	%REC 1 4/21/2009 07:49 PM
Surr: 4-Bromofluorobenzene	105 0	67-127	%REC 1 4/21/2009 07:49 PM
Surr: Dibromofluoromethane	113 0	72-141	%REC 1 4/21/2009 07:49 PM
Surr: Toluene-d8	117 0	75-120	%REC 1 4/21/2009 07:49 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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Advanced Technology Laboratories**ANALYTICAL RESULTS**

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-022E

Client Sample ID: 1001-105-10-S
Collection Date: 4/20/2009 1:25:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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GASOLINE RANGE ORGANICS BY GC/FID**EPA 8015B(M)**

RunID: GC2_090421C	QC Batch: E09VS106	PrepDate: 4/20/2009	Analyst: KHN		
GRO	ND 0.15	1.0	mg/Kg	1	4/22/2009 03:56 AM
Surr: Bromofluorobenzene (FID)	110 0	59-145	%REC	1	4/22/2009 03:56 AM

HYDROCARBON CHAIN IDENTIFICATION**EPA 8015B**

RunID: GC2_090421C	QC Batch: E09VS106	PrepDate: 4/20/2009	Analyst: KHN		
T/R Hydrocarbons: C4-C12	ND 0.20	1.0	mg/Kg	1	4/22/2009 03:56 AM
Surr: Bromofluorobenzene (FID)	110 0	59-145	%REC	1	4/22/2009 03:56 AM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-023A

Client Sample ID: 1001-105-20-S
Collection Date: 4/20/2009 1:35:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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ICP METALS

EPA 3050B

EPA 6010B

RunID:	ICP8_090424I	QC Batch:	54943	PrepDate:	4/23/2009	Analyst:	CL
Antimony	ND	0.28	2.0	mg/Kg	1	4/24/2009 08:35 PM	
Arsenic	ND	0.27	1.0	mg/Kg	1	4/24/2009 08:35 PM	
Barium	64	0.13	1.0	mg/Kg	1	4/24/2009 08:35 PM	
Beryllium	ND	0.055	1.0	mg/Kg	1	4/24/2009 08:35 PM	
Cadmium	ND	0.0064	1.0	mg/Kg	1	4/24/2009 08:35 PM	
Chromium	9.5	0.088	1.0	mg/Kg	1	4/24/2009 08:35 PM	
Cobalt	4.3	0.014	1.0	mg/Kg	1	4/24/2009 08:35 PM	
Copper	10	0.26	2.0	mg/Kg	1	4/24/2009 08:35 PM	
Lead	ND	0.11	1.0	mg/Kg	1	4/24/2009 08:35 PM	
Molybdenum	ND	0.043	1.0	mg/Kg	1	4/24/2009 08:35 PM	
Nickel	6.6	0.032	1.0	mg/Kg	1	4/24/2009 08:35 PM	
Selenium	ND	0.43	1.0	mg/Kg	1	4/24/2009 08:35 PM	
Silver	ND	0.017	1.0	mg/Kg	1	4/24/2009 08:35 PM	
Thallium	ND	0.23	1.0	mg/Kg	1	4/24/2009 08:35 PM	
Vanadium	27	0.019	1.0	mg/Kg	1	4/24/2009 08:35 PM	
Zinc	23	0.19	1.0	mg/Kg	1	4/24/2009 08:35 PM	

HEXAVALENT CHROMIUM

EPA 7196A

RunID:	WETCHEM3_090424D	QC Batch:	54997	PrepDate:	4/23/2009	Analyst:	CBB
Chromium, Hexavalent	ND	0.074	0.10	mg/Kg	1	4/24/2009	

DIESEL RANGE ORGANICS BY GC/FID LUFT

EPA 8015B(M)

RunID:	GC16_090423A	QC Batch:	54880	PrepDate:	4/21/2009	Analyst:	CBR
DRO	63	10	10	mg/Kg	1	4/25/2009 05:38 PM	
Surr: p-Terphenyl	108	0	57-144	%REC	1	4/25/2009 05:38 PM	

HYDROCARBON CHAIN IDENTIFICATION LUFT

EPA 8015B(M)

RunID:	GC16_090423A	QC Batch:	54880	PrepDate:	4/21/2009	Analyst:	CBR
T/R Hydrocarbons: C13-C22	33	10	10	mg/Kg	1	4/25/2009 05:38 PM	
T/R Hydrocarbons: C23-C32	40	10	10	mg/Kg	1	4/25/2009 05:38 PM	
T/R Hydrocarbons:>C32	16	10	10	mg/Kg	1	4/25/2009 05:38 PM	
Surr: p-Terphenyl	108	0	57-144	%REC	1	4/25/2009 05:38 PM	

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



Advanced Technology
Laboratories

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Advanced Technology Laboratories**ANALYTICAL RESULTS**

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-023A

Client Sample ID: 1001-105-20-S
Collection Date: 4/20/2009 1:35:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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PCBS BY GC/ECD**EPA 3550B****EPA 8082**

RunID: GC4_090423C	QC Batch: 54930			PrepDate: 4/22/2009	Analyst: BB
Aroclor 1016	ND	5.0	16	µg/Kg	1 4/23/2009 06:57 PM
Aroclor 1221	ND	5.0	33	µg/Kg	1 4/23/2009 06:57 PM
Aroclor 1232	ND	5.0	16	µg/Kg	1 4/23/2009 06:57 PM
Aroclor 1242	ND	5.0	16	µg/Kg	1 4/23/2009 06:57 PM
Aroclor 1248	ND	5.0	16	µg/Kg	1 4/23/2009 06:57 PM
Aroclor 1254	ND	5.0	16	µg/Kg	1 4/23/2009 06:57 PM
Aroclor 1260	ND	5.0	16	µg/Kg	1 4/23/2009 06:57 PM
Aroclor 1262	ND	5.0	16	µg/Kg	1 4/23/2009 06:57 PM
Aroclor 1268	ND	5.0	16	µg/Kg	1 4/23/2009 06:57 PM
Surr: Decachlorobiphenyl	88.8	0	30-124	%REC	1 4/23/2009 06:57 PM
Surr: Tetrachloro-m-xylene	95.9	0	40-118	%REC	1 4/23/2009 06:57 PM

MERCURY BY COLD VAPOR TECHNIQUE**EPA 7471A**

RunID: AA5_090422E	QC Batch: 54902			PrepDate: 4/22/2009	Analyst: RQ
Mercury	ND	0.021	0.10	mg/Kg	1 4/22/2009 04:18 PM

SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS**EPA 3550B****EPA 8270C**

RunID: MS 13_090422B	QC Batch: 54912			PrepDate: 4/22/2009	Analyst: DMP
1,2,4-Trichlorobenzene	ND	82	330	µg/Kg	1 4/23/2009 10:42 AM
1,2-Dichlorobenzene	ND	85	330	µg/Kg	1 4/23/2009 10:42 AM
1,3-Dichlorobenzene	ND	74	330	µg/Kg	1 4/23/2009 10:42 AM
1,4-Dichlorobenzene	ND	78	330	µg/Kg	1 4/23/2009 10:42 AM
2,4,5-Trichlorophenol	ND	56	330	µg/Kg	1 4/23/2009 10:42 AM
2,4,6-Trichlorophenol	ND	78	330	µg/Kg	1 4/23/2009 10:42 AM
2,4-Dichlorophenol	ND	87	1600	µg/Kg	1 4/23/2009 10:42 AM
2,4-Dimethylphenol	ND	88	330	µg/Kg	1 4/23/2009 10:42 AM
2,4-Dinitrophenol	ND	45	1600	µg/Kg	1 4/23/2009 10:42 AM
2,4-Dinitrotoluene	ND	67	330	µg/Kg	1 4/23/2009 10:42 AM
2,6-Dinitrotoluene	ND	67	330	µg/Kg	1 4/23/2009 10:42 AM
2-Chloronaphthalene	ND	70	330	µg/Kg	1 4/23/2009 10:42 AM
2-Chlorophenol	ND	89	330	µg/Kg	1 4/23/2009 10:42 AM
2-Methylnaphthalene	ND	78	330	µg/Kg	1 4/23/2009 10:42 AM
2-Methylphenol	ND	96	330	µg/Kg	1 4/23/2009 10:42 AM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-023A

Client Sample ID: 1001-105-20-S
Collection Date: 4/20/2009 1:35:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3550B

EPA 8270C

RunID: MS 13_090422B	QC Batch: 54912	PrepDate: 4/22/2009	Analyst: DMP
2-Nitroaniline	ND	79	1600
2-Nitrophenol	ND	70	330
3,3'-Dichlorobenzidine	ND	78	660
3-Nitroaniline	ND	60	1600
4,6-Dinitro-2-methylphenol	ND	63	1600
4-Bromophenyl-phenylether	ND	73	330
4-Chloro-3-methylphenol	ND	75	660
4-Chloroaniline	ND	73	660
4-Chlorophenyl-phenylether	ND	70	330
4-Methylphenol	ND	79	330
4-Nitroaniline	ND	60	1600
4-Nitrophenol	ND	71	1600
Acenaphthene	ND	70	330
Acenaphthylene	ND	69	330
Anthracene	ND	76	330
Benzidine (M)	ND	71	1600
Benzo(a)anthracene	ND	69	330
Benzo(a)pyrene	ND	82	330
Benzo(b)fluoranthene	ND	70	330
Benzo(g,h,i)perylene	ND	71	330
Benzo(k)fluoranthene	ND	98	330
Benzoic acid	ND	64	1600
Benzyl alcohol	ND	86	660
Bis(2-chloroethoxy)methane	ND	79	330
Bis(2-chloroethyl)ether	ND	81	330
Bis(2-chloroisopropyl)ether	ND	91	330
Bis(2-ethylhexyl)phthalate	ND	72	330
Butylbenzylphthalate	ND	72	330
Chrysene	ND	79	330
Di-n-butylphthalate	ND	78	330
Di-n-octylphthalate	ND	71	330
Dibenz(a,h)anthracene	ND	83	330
Dibenzofuran	ND	68	330
Diethylphthalate	ND	74	330
Dimethylphthalate	ND	69	330

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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Advanced Technology Laboratories**ANALYTICAL RESULTS**

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-023A

Client Sample ID: 1001-105-20-S
Collection Date: 4/20/2009 1:35:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS**EPA 3550B****EPA 8270C**

RunID: MS 13_090422B	QC Batch: 54912	PrepDate: 4/22/2009	Analyst: DMP
Fluoranthene	ND 73	330 µg/Kg	1 4/23/2009 10:42 AM
Fluorene	ND 69	330 µg/Kg	1 4/23/2009 10:42 AM
Hexachlorobenzene	ND 76	330 µg/Kg	1 4/23/2009 10:42 AM
Hexachlorobutadiene	ND 77	660 µg/Kg	1 4/23/2009 10:42 AM
Hexachlorocyclopentadiene	ND 80	660 µg/Kg	1 4/23/2009 10:42 AM
Hexachloroethane	ND 81	330 µg/Kg	1 4/23/2009 10:42 AM
Indeno(1,2,3-cd)pyrene	ND 69	330 µg/Kg	1 4/23/2009 10:42 AM
Isophorone	ND 85	330 µg/Kg	1 4/23/2009 10:42 AM
N-Nitrosodi-n-propylamine	ND 82	330 µg/Kg	1 4/23/2009 10:42 AM
N-Nitrosodiphenylamine	ND 79	330 µg/Kg	1 4/23/2009 10:42 AM
Naphthalene	ND 86	330 µg/Kg	1 4/23/2009 10:42 AM
Nitrobenzene	ND 82	330 µg/Kg	1 4/23/2009 10:42 AM
Pentachlorophenol	ND 55	1600 µg/Kg	1 4/23/2009 10:42 AM
Phenanthrene	ND 76	330 µg/Kg	1 4/23/2009 10:42 AM
Phenol	ND 95	330 µg/Kg	1 4/23/2009 10:42 AM
Pyrene	ND 77	330 µg/Kg	1 4/23/2009 10:42 AM
Surr: 1,2-Dichlorobenzene-d4	75.9 0	49-103 %REC	1 4/23/2009 10:42 AM
Surr: 2,4,6-Tribromophenol	84.3 0	47-129 %REC	1 4/23/2009 10:42 AM
Surr: 2-Chlorophenol-d4	83.4 0	54-109 %REC	1 4/23/2009 10:42 AM
Surr: 2-Fluorobiphenyl	84.0 0	59-108 %REC	1 4/23/2009 10:42 AM
Surr: 2-Fluorophenol	82.4 0	50-111 %REC	1 4/23/2009 10:42 AM
Surr: 4-Terphenyl-d14	128 0	58-135 %REC	1 4/23/2009 10:42 AM
Surr: Nitrobenzene-d5	79.5 0	54-115 %REC	1 4/23/2009 10:42 AM
Surr: Phenol-d5	85.5 0	58-112 %REC	1 4/23/2009 10:42 AM

PH**EPA 9045C**

RunID: WETCHEM_090421D	QC Batch: R108342	PrepDate:	Analyst: DDL
pH	7.7 0.10	0.10 pH Units	1 4/21/2009

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-023B

Client Sample ID: 1001-105-20-S
Collection Date: 4/20/2009 1:35:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS5_090421B	QC Batch: T09VS103	PrepDate: 4/21/2009	Analyst: HH
1,1,1,2-Tetrachloroethane	ND 0.93	4.8	µg/Kg 1 4/21/2009 08:09 PM
1,1,1-Trichloroethane	ND 1.3	4.8	µg/Kg 1 4/21/2009 08:09 PM
1,1,2,2-Tetrachloroethane	ND 3.0	4.8	µg/Kg 1 4/21/2009 08:09 PM
1,1,2-Trichloroethane	ND 1.2	4.8	µg/Kg 1 4/21/2009 08:09 PM
1,1-Dichloroethane	ND 0.59	4.8	µg/Kg 1 4/21/2009 08:09 PM
1,1-Dichloroethene	ND 0.44	4.8	µg/Kg 1 4/21/2009 08:09 PM
1,1-Dichloropropene	ND 2.0	4.8	µg/Kg 1 4/21/2009 08:09 PM
1,2,3-Trichlorobenzene	ND 3.6	4.8	µg/Kg 1 4/21/2009 08:09 PM
1,2,3-Trichloropropane	ND 2.2	4.8	µg/Kg 1 4/21/2009 08:09 PM
1,2,4-Trichlorobenzene	ND 2.3	4.8	µg/Kg 1 4/21/2009 08:09 PM
1,2,4-Trimethylbenzene	ND 1.0	4.8	µg/Kg 1 4/21/2009 08:09 PM
1,2-Dibromo-3-chloropropane	ND 3.1	9.7	µg/Kg 1 4/21/2009 08:09 PM
1,2-Dibromoethane	ND 0.94	4.8	µg/Kg 1 4/21/2009 08:09 PM
1,2-Dichlorobenzene	ND 2.0	4.8	µg/Kg 1 4/21/2009 08:09 PM
1,2-Dichloroethane	ND 1.8	4.8	µg/Kg 1 4/21/2009 08:09 PM
1,2-Dichloropropane	ND 1.5	4.8	µg/Kg 1 4/21/2009 08:09 PM
1,3,5-Trimethylbenzene	ND 0.76	4.8	µg/Kg 1 4/21/2009 08:09 PM
1,3-Dichlorobenzene	ND 1.6	4.8	µg/Kg 1 4/21/2009 08:09 PM
1,3-Dichloropropane	ND 0.31	4.8	µg/Kg 1 4/21/2009 08:09 PM
1,4-Dichlorobenzene	ND 1.7	4.8	µg/Kg 1 4/21/2009 08:09 PM
2,2-Dichloropropane	ND 0.47	4.8	µg/Kg 1 4/21/2009 08:09 PM
2-Chlorotoluene	ND 0.86	4.8	µg/Kg 1 4/21/2009 08:09 PM
4-Chlorotoluene	ND 1.1	4.8	µg/Kg 1 4/21/2009 08:09 PM
4-Isopropyltoluene	ND 1.1	4.8	µg/Kg 1 4/21/2009 08:09 PM
Benzene	ND 0.62	4.8	µg/Kg 1 4/21/2009 08:09 PM
Bromobenzene	ND 1.2	4.8	µg/Kg 1 4/21/2009 08:09 PM
Bromodichloromethane	ND 1.3	4.8	µg/Kg 1 4/21/2009 08:09 PM
Bromoform	ND 1.9	4.8	µg/Kg 1 4/21/2009 08:09 PM
Bromomethane	ND 0.66	4.8	µg/Kg 1 4/21/2009 08:09 PM
Carbon tetrachloride	ND 1.4	4.8	µg/Kg 1 4/21/2009 08:09 PM
Chlorobenzene	ND 0.63	4.8	µg/Kg 1 4/21/2009 08:09 PM
Chloroethane	ND 0.84	4.8	µg/Kg 1 4/21/2009 08:09 PM
Chloroform	ND 1.4	4.8	µg/Kg 1 4/21/2009 08:09 PM
Chloromethane	ND 0.37	4.8	µg/Kg 1 4/21/2009 08:09 PM
cis-1,2-Dichloroethene	ND 1.7	4.8	µg/Kg 1 4/21/2009 08:09 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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Advanced Technology Laboratories**ANALYTICAL RESULTS**

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-023B

Client Sample ID: 1001-105-20-S
Collection Date: 4/20/2009 1:35:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS**EPA 8260B**

RunID: MS5_090421B	QC Batch: T09VS103	PrepDate: 4/21/2009	Analyst: HH
cis-1,3-Dichloropropene	ND 0.73 4.8	µg/Kg 1	4/21/2009 08:09 PM
Dibromochloromethane	ND 0.70 4.8	µg/Kg 1	4/21/2009 08:09 PM
Dibromomethane	ND 1.2 4.8	µg/Kg 1	4/21/2009 08:09 PM
Dichlorodifluoromethane	ND 0.52 4.8	µg/Kg 1	4/21/2009 08:09 PM
Ethylbenzene	ND 0.31 4.8	µg/Kg 1	4/21/2009 08:09 PM
Hexachlorobutadiene	ND 2.2 4.8	µg/Kg 1	4/21/2009 08:09 PM
Isopropylbenzene	ND 0.55 4.8	µg/Kg 1	4/21/2009 08:09 PM
m,p-Xylene	ND 0.67 9.7	µg/Kg 1	4/21/2009 08:09 PM
Methylene chloride	ND 4.8 4.8	µg/Kg 1	4/21/2009 08:09 PM
n-Butylbenzene	ND 1.2 4.8	µg/Kg 1	4/21/2009 08:09 PM
n-Propylbenzene	ND 0.66 4.8	µg/Kg 1	4/21/2009 08:09 PM
Naphthalene	ND 2.4 4.8	µg/Kg 1	4/21/2009 08:09 PM
o-Xylene	ND 0.48 4.8	µg/Kg 1	4/21/2009 08:09 PM
sec-Butylbenzene	ND 1.0 4.8	µg/Kg 1	4/21/2009 08:09 PM
Styrene	ND 0.58 4.8	µg/Kg 1	4/21/2009 08:09 PM
tert-Butylbenzene	ND 1.0 4.8	µg/Kg 1	4/21/2009 08:09 PM
Tetrachloroethene	ND 1.0 4.8	µg/Kg 1	4/21/2009 08:09 PM
Toluene	ND 0.54 4.8	µg/Kg 1	4/21/2009 08:09 PM
trans-1,2-Dichloroethene	ND 0.51 4.8	µg/Kg 1	4/21/2009 08:09 PM
Trichloroethene	ND 1.5 4.8	µg/Kg 1	4/21/2009 08:09 PM
Trichlorofluoromethane	ND 0.53 4.8	µg/Kg 1	4/21/2009 08:09 PM
Vinyl chloride	ND 0.41 4.8	µg/Kg 1	4/21/2009 08:09 PM
Surr: 1,2-Dichloroethane-d4	115 0 68-147	%REC 1	4/21/2009 08:09 PM
Surr: 4-Bromofluorobenzene	106 0 67-127	%REC 1	4/21/2009 08:09 PM
Surr: Dibromofluoromethane	116 0 72-141	%REC 1	4/21/2009 08:09 PM
Surr: Toluene-d8	119 0 75-120	%REC 1	4/21/2009 08:09 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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Advanced Technology Laboratories**ANALYTICAL RESULTS**

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-023E

Client Sample ID: 1001-105-20-S
Collection Date: 4/20/2009 1:35:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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GASOLINE RANGE ORGANICS BY GC/FID**EPA 8015B(M)**

RunID: GC2_090421C	QC Batch: E09VS106	PrepDate: 4/20/2009	Analyst: KHN		
GRO	ND 0.15	0.97	mg/Kg	1	4/22/2009 04:12 AM
Surr: Bromofluorobenzene (FID)	115 0	59-145	%REC	1	4/22/2009 04:12 AM

HYDROCARBON CHAIN IDENTIFICATION**EPA 8015B**

RunID: GC2_090421C	QC Batch: E09VS106	PrepDate: 4/20/2009	Analyst: KHN		
T/R Hydrocarbons: C4-C12	ND 0.19	0.97	mg/Kg	1	4/22/2009 04:12 AM
Surr: Bromofluorobenzene (FID)	115 0	59-145	%REC	1	4/22/2009 04:12 AM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-024A

Client Sample ID: 1001-111-2-S
Collection Date: 4/20/2009 2:10:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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ICP METALS

EPA 3050B

EPA 6010B

RunID:	ICP8_090424I	QC Batch:	54943	PrepDate:	4/23/2009	Analyst:	CL
Antimony	ND	0.28	2.0	mg/Kg	1	4/24/2009 08:38 PM	
Arsenic	ND	0.27	1.0	mg/Kg	1	4/24/2009 08:38 PM	
Barium	140	0.13	1.0	mg/Kg	1	4/24/2009 08:38 PM	
Beryllium	ND	0.055	1.0	mg/Kg	1	4/24/2009 08:38 PM	
Cadmium	ND	0.0064	1.0	mg/Kg	1	4/24/2009 08:38 PM	
Chromium	20	0.088	1.0	mg/Kg	1	4/24/2009 08:38 PM	
Cobalt	7.6	0.014	1.0	mg/Kg	1	4/24/2009 08:38 PM	
Copper	25	0.26	2.0	mg/Kg	1	4/24/2009 08:38 PM	
Lead	20	0.11	1.0	mg/Kg	1	4/24/2009 08:38 PM	
Molybdenum	ND	0.043	1.0	mg/Kg	1	4/24/2009 08:38 PM	
Nickel	14	0.032	1.0	mg/Kg	1	4/24/2009 08:38 PM	
Selenium	ND	0.43	1.0	mg/Kg	1	4/24/2009 08:38 PM	
Silver	ND	0.017	1.0	mg/Kg	1	4/24/2009 08:38 PM	
Thallium	ND	0.23	1.0	mg/Kg	1	4/24/2009 08:38 PM	
Vanadium	45	0.019	1.0	mg/Kg	1	4/24/2009 08:38 PM	
Zinc	93	0.19	1.0	mg/Kg	1	4/24/2009 08:38 PM	

HEXAVALENT CHROMIUM

EPA 7196A

RunID:	WETCHEM3_090424D	QC Batch:	54997	PrepDate:	4/23/2009	Analyst:	CBB
Chromium, Hexavalent	ND	0.074	0.10	mg/Kg	1	4/24/2009	

DIESEL RANGE ORGANICS BY GC/FID LUFT

EPA 8015B(M)

RunID:	GC16_090423A	QC Batch:	54880	PrepDate:	4/21/2009	Analyst:	CBR
DRO	970	10	10	mg/Kg	1	4/27/2009 07:34 PM	
Surr: p-Terphenyl	84.0	0	57-144	%REC	1	4/27/2009 07:34 PM	

HYDROCARBON CHAIN IDENTIFICATION LUFT

EPA 8015B(M)

RunID:	GC16_090423A	QC Batch:	54880	PrepDate:	4/21/2009	Analyst:	CBR
T/R Hydrocarbons: C13-C22	300	10	10	mg/Kg	1	4/27/2009 07:34 PM	
T/R Hydrocarbons: C23-C32	1300	10	10	mg/Kg	1	4/27/2009 07:34 PM	
T/R Hydrocarbons:>C32	1800	10	10	mg/Kg	1	4/27/2009 07:34 PM	
Surr: p-Terphenyl	84.0	0	57-144	%REC	1	4/27/2009 07:34 PM	

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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Advanced Technology Laboratories**ANALYTICAL RESULTS**

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-024A

Client Sample ID: 1001-111-2-S
Collection Date: 4/20/2009 2:10:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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PCBS BY GC/ECD**EPA 3550B****EPA 8082**

RunID: GC4_090423C	QC Batch: 54930			PrepDate: 4/22/2009	Analyst: BB
Aroclor 1016	ND	5.0	16	µg/Kg	1 4/23/2009 07:27 PM
Aroclor 1221	ND	5.0	33	µg/Kg	1 4/23/2009 07:27 PM
Aroclor 1232	ND	5.0	16	µg/Kg	1 4/23/2009 07:27 PM
Aroclor 1242	ND	5.0	16	µg/Kg	1 4/23/2009 07:27 PM
Aroclor 1248	ND	5.0	16	µg/Kg	1 4/23/2009 07:27 PM
Aroclor 1254	ND	5.0	16	µg/Kg	1 4/23/2009 07:27 PM
Aroclor 1260	ND	5.0	16	µg/Kg	1 4/23/2009 07:27 PM
Aroclor 1262	ND	5.0	16	µg/Kg	1 4/23/2009 07:27 PM
Aroclor 1268	ND	5.0	16	µg/Kg	1 4/23/2009 07:27 PM
Surr: Decachlorobiphenyl	71.8	0	30-124	%REC	1 4/23/2009 07:27 PM
Surr: Tetrachloro-m-xylene	85.0	0	40-118	%REC	1 4/23/2009 07:27 PM

MERCURY BY COLD VAPOR TECHNIQUE**EPA 7471A**

RunID: AA5_090422E	QC Batch: 54902			PrepDate: 4/22/2009	Analyst: RQ
Mercury	ND	0.021	0.10	mg/Kg	1 4/22/2009 04:20 PM

SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS**EPA 3550B****EPA 8270C**

RunID: MS 13_090422B	QC Batch: 54912			PrepDate: 4/22/2009	Analyst: DMP
1,2,4-Trichlorobenzene	ND	210	820	µg/Kg	2.5 4/23/2009 11:10 AM
1,2-Dichlorobenzene	ND	210	820	µg/Kg	2.5 4/23/2009 11:10 AM
1,3-Dichlorobenzene	ND	190	820	µg/Kg	2.5 4/23/2009 11:10 AM
1,4-Dichlorobenzene	ND	200	820	µg/Kg	2.5 4/23/2009 11:10 AM
2,4,5-Trichlorophenol	ND	140	820	µg/Kg	2.5 4/23/2009 11:10 AM
2,4,6-Trichlorophenol	ND	190	820	µg/Kg	2.5 4/23/2009 11:10 AM
2,4-Dichlorophenol	ND	220	4100	µg/Kg	2.5 4/23/2009 11:10 AM
2,4-Dimethylphenol	ND	220	820	µg/Kg	2.5 4/23/2009 11:10 AM
2,4-Dinitrophenol	ND	110	4100	µg/Kg	2.5 4/23/2009 11:10 AM
2,4-Dinitrotoluene	ND	170	820	µg/Kg	2.5 4/23/2009 11:10 AM
2,6-Dinitrotoluene	ND	170	820	µg/Kg	2.5 4/23/2009 11:10 AM
2-Chloronaphthalene	ND	170	820	µg/Kg	2.5 4/23/2009 11:10 AM
2-Chlorophenol	ND	220	820	µg/Kg	2.5 4/23/2009 11:10 AM
2-Methylnaphthalene	ND	200	820	µg/Kg	2.5 4/23/2009 11:10 AM
2-Methylphenol	ND	240	820	µg/Kg	2.5 4/23/2009 11:10 AM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-024A

Client Sample ID: 1001-111-2-S
Collection Date: 4/20/2009 2:10:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3550B

EPA 8270C

RunID: MS 13_090422B	QC Batch: 54912	PrepDate: 4/22/2009	Analyst: DMP
2-Nitroaniline	ND	200	4100
2-Nitrophenol	ND	170	820
3,3'-Dichlorobenzidine	ND	200	1600
3-Nitroaniline	ND	150	4100
4,6-Dinitro-2-methylphenol	ND	160	4100
4-Bromophenyl-phenylether	ND	180	820
4-Chloro-3-methylphenol	ND	190	1600
4-Chloroaniline	ND	180	1600
4-Chlorophenyl-phenylether	ND	180	820
4-Methylphenol	ND	200	820
4-Nitroaniline	ND	150	4100
4-Nitrophenol	ND	180	4100
Acenaphthene	ND	180	820
Acenaphthylene	ND	170	820
Anthracene	ND	190	820
Benzidine (M)	ND	180	4100
Benzo(a)anthracene	ND	170	820
Benzo(a)pyrene	ND	200	820
Benzo(b)fluoranthene	ND	180	820
Benzo(g,h,i)perylene	ND	180	820
Benzo(k)fluoranthene	ND	240	820
Benzoic acid	ND	160	4100
Benzyl alcohol	ND	220	1600
Bis(2-chloroethoxy)methane	ND	200	820
Bis(2-chloroethyl)ether	ND	200	820
Bis(2-chloroisopropyl)ether	ND	230	820
Bis(2-ethylhexyl)phthalate	ND	180	820
Butylbenzylphthalate	ND	180	820
Chrysene	ND	200	820
Di-n-butylphthalate	ND	190	820
Di-n-octylphthalate	ND	180	820
Dibenz(a,h)anthracene	ND	210	820
Dibenzofuran	ND	170	820
Diethylphthalate	ND	180	820
Dimethylphthalate	ND	170	820

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-024A

Client Sample ID: 1001-111-2-S
Collection Date: 4/20/2009 2:10:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3550B

EPA 8270C

RunID: MS 13_090422B	QC Batch: 54912	PrepDate: 4/22/2009	Analyst: DMP
Fluoranthene	ND	180	820
Fluorene	ND	170	820
Hexachlorobenzene	ND	190	820
Hexachlorobutadiene	ND	190	1600
Hexachlorocyclopentadiene	ND	200	1600
Hexachloroethane	ND	200	820
Indeno(1,2,3-cd)pyrene	ND	170	820
Isophorone	ND	210	820
N-Nitrosodi-n-propylamine	ND	200	820
N-Nitrosodiphenylamine	ND	200	820
Naphthalene	ND	210	820
Nitrobenzene	ND	200	820
Pentachlorophenol	ND	140	4100
Phenanthrene	ND	190	820
Phenol	ND	240	820
Pyrene	ND	190	820
Surr: 1,2-Dichlorobenzene-d4	60.6	0	49-103
Surr: 2,4,6-Tribromophenol	50.9	0	47-129
Surr: 2-Chlorophenol-d4	66.8	0	54-109
Surr: 2-Fluorobiphenyl	71.4	0	59-108
Surr: 2-Fluorophenol	66.6	0	50-111
Surr: 4-Terphenyl-d14	79.9	0	58-135
Surr: Nitrobenzene-d5	67.3	0	54-115
Surr: Phenol-d5	67.4	0	58-112

PH

EPA 9045C

RunID: WETCHEM_090421D	QC Batch: R108342	PrepDate:	Analyst: DDL
pH	7.9	0.10	0.10

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-024B

Client Sample ID: 1001-111-2-S
Collection Date: 4/20/2009 2:10:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS5_090421B	QC Batch: T09VS103	PrepDate: 4/21/2009	Analyst: HH
1,1,1,2-Tetrachloroethane	ND 1.0	5.2	µg/Kg 1 4/21/2009 08:29 PM
1,1,1-Trichloroethane	ND 1.4	5.2	µg/Kg 1 4/21/2009 08:29 PM
1,1,2,2-Tetrachloroethane	ND 3.2	5.2	µg/Kg 1 4/21/2009 08:29 PM
1,1,2-Trichloroethane	ND 1.3	5.2	µg/Kg 1 4/21/2009 08:29 PM
1,1-Dichloroethane	ND 0.63	5.2	µg/Kg 1 4/21/2009 08:29 PM
1,1-Dichloroethene	ND 0.47	5.2	µg/Kg 1 4/21/2009 08:29 PM
1,1-Dichloropropene	ND 2.2	5.2	µg/Kg 1 4/21/2009 08:29 PM
1,2,3-Trichlorobenzene	ND 3.9	5.2	µg/Kg 1 4/21/2009 08:29 PM
1,2,3-Trichloropropane	ND 2.4	5.2	µg/Kg 1 4/21/2009 08:29 PM
1,2,4-Trichlorobenzene	ND 2.4	5.2	µg/Kg 1 4/21/2009 08:29 PM
1,2,4-Trimethylbenzene	ND 1.1	5.2	µg/Kg 1 4/21/2009 08:29 PM
1,2-Dibromo-3-chloropropane	ND 3.3	10	µg/Kg 1 4/21/2009 08:29 PM
1,2-Dibromoethane	ND 1.0	5.2	µg/Kg 1 4/21/2009 08:29 PM
1,2-Dichlorobenzene	ND 2.2	5.2	µg/Kg 1 4/21/2009 08:29 PM
1,2-Dichloroethane	ND 1.9	5.2	µg/Kg 1 4/21/2009 08:29 PM
1,2-Dichloropropane	ND 1.6	5.2	µg/Kg 1 4/21/2009 08:29 PM
1,3,5-Trimethylbenzene	ND 0.81	5.2	µg/Kg 1 4/21/2009 08:29 PM
1,3-Dichlorobenzene	ND 1.8	5.2	µg/Kg 1 4/21/2009 08:29 PM
1,3-Dichloropropane	ND 0.33	5.2	µg/Kg 1 4/21/2009 08:29 PM
1,4-Dichlorobenzene	ND 1.9	5.2	µg/Kg 1 4/21/2009 08:29 PM
2,2-Dichloropropane	ND 0.50	5.2	µg/Kg 1 4/21/2009 08:29 PM
2-Chlorotoluene	ND 0.93	5.2	µg/Kg 1 4/21/2009 08:29 PM
4-Chlorotoluene	ND 1.2	5.2	µg/Kg 1 4/21/2009 08:29 PM
4-Isopropyltoluene	ND 1.2	5.2	µg/Kg 1 4/21/2009 08:29 PM
Benzene	ND 0.67	5.2	µg/Kg 1 4/21/2009 08:29 PM
Bromobenzene	ND 1.3	5.2	µg/Kg 1 4/21/2009 08:29 PM
Bromodichloromethane	ND 1.4	5.2	µg/Kg 1 4/21/2009 08:29 PM
Bromoform	ND 2.0	5.2	µg/Kg 1 4/21/2009 08:29 PM
Bromomethane	ND 0.71	5.2	µg/Kg 1 4/21/2009 08:29 PM
Carbon tetrachloride	ND 1.5	5.2	µg/Kg 1 4/21/2009 08:29 PM
Chlorobenzene	ND 0.68	5.2	µg/Kg 1 4/21/2009 08:29 PM
Chloroethane	ND 0.90	5.2	µg/Kg 1 4/21/2009 08:29 PM
Chloroform	ND 1.5	5.2	µg/Kg 1 4/21/2009 08:29 PM
Chloromethane	ND 0.40	5.2	µg/Kg 1 4/21/2009 08:29 PM
cis-1,2-Dichloroethene	ND 1.9	5.2	µg/Kg 1 4/21/2009 08:29 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-024B

Client Sample ID: 1001-111-2-S
Collection Date: 4/20/2009 2:10:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS5_090421B	QC Batch: T09VS103	PrepDate: 4/21/2009	Analyst: HH			
cis-1,3-Dichloropropene	ND	0.78	5.2	µg/Kg	1	4/21/2009 08:29 PM
Dibromochloromethane	ND	0.75	5.2	µg/Kg	1	4/21/2009 08:29 PM
Dibromomethane	ND	1.2	5.2	µg/Kg	1	4/21/2009 08:29 PM
Dichlorodifluoromethane	ND	0.56	5.2	µg/Kg	1	4/21/2009 08:29 PM
Ethylbenzene	ND	0.33	5.2	µg/Kg	1	4/21/2009 08:29 PM
Hexachlorobutadiene	ND	2.3	5.2	µg/Kg	1	4/21/2009 08:29 PM
Isopropylbenzene	ND	0.59	5.2	µg/Kg	1	4/21/2009 08:29 PM
m,p-Xylene	ND	0.72	10	µg/Kg	1	4/21/2009 08:29 PM
Methylene chloride	ND	5.2	5.2	µg/Kg	1	4/21/2009 08:29 PM
n-Butylbenzene	ND	1.3	5.2	µg/Kg	1	4/21/2009 08:29 PM
n-Propylbenzene	ND	0.71	5.2	µg/Kg	1	4/21/2009 08:29 PM
Naphthalene	ND	2.6	5.2	µg/Kg	1	4/21/2009 08:29 PM
o-Xylene	ND	0.52	5.2	µg/Kg	1	4/21/2009 08:29 PM
sec-Butylbenzene	ND	1.1	5.2	µg/Kg	1	4/21/2009 08:29 PM
Styrene	ND	0.62	5.2	µg/Kg	1	4/21/2009 08:29 PM
tert-Butylbenzene	ND	1.1	5.2	µg/Kg	1	4/21/2009 08:29 PM
Tetrachloroethene	11	1.1	5.2	µg/Kg	1	4/21/2009 08:29 PM
Toluene	ND	0.58	5.2	µg/Kg	1	4/21/2009 08:29 PM
trans-1,2-Dichloroethene	ND	0.55	5.2	µg/Kg	1	4/21/2009 08:29 PM
Trichloroethene	ND	1.6	5.2	µg/Kg	1	4/21/2009 08:29 PM
Trichlorofluoromethane	ND	0.57	5.2	µg/Kg	1	4/21/2009 08:29 PM
Vinyl chloride	ND	0.44	5.2	µg/Kg	1	4/21/2009 08:29 PM
Surr: 1,2-Dichloroethane-d4	113	0	68-147	%REC	1	4/21/2009 08:29 PM
Surr: 4-Bromofluorobenzene	98.6	0	67-127	%REC	1	4/21/2009 08:29 PM
Surr: Dibromofluoromethane	112	0	72-141	%REC	1	4/21/2009 08:29 PM
Surr: Toluene-d8	114	0	75-120	%REC	1	4/21/2009 08:29 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-024E

Client Sample ID: 1001-111-2-S
Collection Date: 4/20/2009 2:10:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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GASOLINE RANGE ORGANICS BY GC/FID

EPA 8015B(M)

RunID: GC2_090421C	QC Batch: E09VS106	PrepDate: 4/20/2009	Analyst: KHN		
GRO	ND 0.13	0.89	mg/Kg	1	4/22/2009 04:27 AM
Surr: Bromofluorobenzene (FID)	112 0	59-145	%REC	1	4/22/2009 04:27 AM

HYDROCARBON CHAIN IDENTIFICATION

EPA 8015B

RunID: GC2_090421C	QC Batch: E09VS106	PrepDate: 4/20/2009	Analyst: KHN		
T/R Hydrocarbons: C4-C12	ND 0.17	0.89	mg/Kg	1	4/22/2009 04:27 AM
Surr: Bromofluorobenzene (FID)	112 0	59-145	%REC	1	4/22/2009 04:27 AM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-025A

Client Sample ID: 1001-111-2D-S
Collection Date: 4/20/2009 2:10:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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ICP METALS

EPA 3050B

EPA 6010B

RunID:	ICP8_090424I	QC Batch:	54943	PrepDate:	4/23/2009	Analyst:	CL
Antimony	ND	0.28	2.0	mg/Kg	1	4/24/2009 08:41 PM	
Arsenic	ND	0.27	1.0	mg/Kg	1	4/24/2009 08:41 PM	
Barium	150	0.13	1.0	mg/Kg	1	4/24/2009 08:41 PM	
Beryllium	ND	0.055	1.0	mg/Kg	1	4/24/2009 08:41 PM	
Cadmium	ND	0.0064	1.0	mg/Kg	1	4/24/2009 08:41 PM	
Chromium	21	0.088	1.0	mg/Kg	1	4/24/2009 08:41 PM	
Cobalt	8.9	0.014	1.0	mg/Kg	1	4/24/2009 08:41 PM	
Copper	25	0.26	2.0	mg/Kg	1	4/24/2009 08:41 PM	
Lead	8.5	0.11	1.0	mg/Kg	1	4/24/2009 08:41 PM	
Molybdenum	1.1	0.043	1.0	mg/Kg	1	4/24/2009 08:41 PM	
Nickel	17	0.032	1.0	mg/Kg	1	4/24/2009 08:41 PM	
Selenium	ND	0.43	1.0	mg/Kg	1	4/24/2009 08:41 PM	
Silver	ND	0.017	1.0	mg/Kg	1	4/24/2009 08:41 PM	
Thallium	ND	0.23	1.0	mg/Kg	1	4/24/2009 08:41 PM	
Vanadium	53	0.019	1.0	mg/Kg	1	4/24/2009 08:41 PM	
Zinc	72	0.19	1.0	mg/Kg	1	4/24/2009 08:41 PM	

HEXAVALENT CHROMIUM

EPA 7196A

RunID:	WETCHEM3_090424D	QC Batch:	54997	PrepDate:	4/23/2009	Analyst:	CBB
Chromium, Hexavalent	ND	0.074	0.10	mg/Kg	1	4/24/2009	

DIESEL RANGE ORGANICS BY GC/FID LUFT

EPA 8015B(M)

RunID:	GC16_090423A	QC Batch:	54880	PrepDate:	4/21/2009	Analyst:	CBR
DRO	200	10	10	mg/Kg	1	4/27/2009 07:24 PM	
Surr: p-Terphenyl	86.9	0	57-144	%REC	1	4/27/2009 07:24 PM	

HYDROCARBON CHAIN IDENTIFICATION LUFT

EPA 8015B(M)

RunID:	GC16_090423A	QC Batch:	54880	PrepDate:	4/21/2009	Analyst:	CBR
T/R Hydrocarbons: C13-C22	71	10	10	mg/Kg	1	4/27/2009 07:24 PM	
T/R Hydrocarbons: C23-C32	260	10	10	mg/Kg	1	4/27/2009 07:24 PM	
T/R Hydrocarbons: >C32	490	10	10	mg/Kg	1	4/27/2009 07:24 PM	
Surr: p-Terphenyl	86.9	0	57-144	%REC	1	4/27/2009 07:24 PM	

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-025A

Client Sample ID: 1001-111-2D-S
Collection Date: 4/20/2009 2:10:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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PCBS BY GC/ECD

EPA 3550B

EPA 8082

RunID: GC4_090423C	QC Batch: 54930	PrepDate: 4/22/2009	Analyst: BB			
Aroclor 1016	ND	5.0	16	µg/Kg	1	4/23/2009 07:57 PM
Aroclor 1221	ND	5.0	33	µg/Kg	1	4/23/2009 07:57 PM
Aroclor 1232	ND	5.0	16	µg/Kg	1	4/23/2009 07:57 PM
Aroclor 1242	ND	5.0	16	µg/Kg	1	4/23/2009 07:57 PM
Aroclor 1248	ND	5.0	16	µg/Kg	1	4/23/2009 07:57 PM
Aroclor 1254	ND	5.0	16	µg/Kg	1	4/23/2009 07:57 PM
Aroclor 1260	ND	5.0	16	µg/Kg	1	4/23/2009 07:57 PM
Aroclor 1262	ND	5.0	16	µg/Kg	1	4/23/2009 07:57 PM
Aroclor 1268	ND	5.0	16	µg/Kg	1	4/23/2009 07:57 PM
Surr: Decachlorobiphenyl	69.0	0	30-124	%REC	1	4/23/2009 07:57 PM
Surr: Tetrachloro-m-xylene	89.0	0	40-118	%REC	1	4/23/2009 07:57 PM

MERCURY BY COLD VAPOR TECHNIQUE

EPA 7471A

RunID: AA5_090422E	QC Batch: 54902	PrepDate: 4/22/2009	Analyst: RQ			
Mercury	0.51	0.021	0.10	mg/Kg	1	4/22/2009 04:22 PM

SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3550B

EPA 8270C

RunID: MS 13_090423A	QC Batch: 54926	PrepDate: 4/22/2009	Analyst: DMP			
1,2,4-Trichlorobenzene	ND	210	820	µg/Kg	2.5	4/23/2009 01:54 PM
1,2-Dichlorobenzene	ND	210	820	µg/Kg	2.5	4/23/2009 01:54 PM
1,3-Dichlorobenzene	ND	190	820	µg/Kg	2.5	4/23/2009 01:54 PM
1,4-Dichlorobenzene	ND	200	820	µg/Kg	2.5	4/23/2009 01:54 PM
2,4,5-Trichlorophenol	ND	140	820	µg/Kg	2.5	4/23/2009 01:54 PM
2,4,6-Trichlorophenol	ND	190	820	µg/Kg	2.5	4/23/2009 01:54 PM
2,4-Dichlorophenol	ND	220	4100	µg/Kg	2.5	4/23/2009 01:54 PM
2,4-Dimethylphenol	ND	220	820	µg/Kg	2.5	4/23/2009 01:54 PM
2,4-Dinitrophenol	ND	110	4100	µg/Kg	2.5	4/23/2009 01:54 PM
2,4-Dinitrotoluene	ND	170	820	µg/Kg	2.5	4/23/2009 01:54 PM
2,6-Dinitrotoluene	ND	170	820	µg/Kg	2.5	4/23/2009 01:54 PM
2-Chloronaphthalene	ND	170	820	µg/Kg	2.5	4/23/2009 01:54 PM
2-Chlorophenol	ND	220	820	µg/Kg	2.5	4/23/2009 01:54 PM
2-Methylnaphthalene	ND	200	820	µg/Kg	2.5	4/23/2009 01:54 PM
2-Methylphenol	ND	240	820	µg/Kg	2.5	4/23/2009 01:54 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-025A

Client Sample ID: 1001-111-2D-S
Collection Date: 4/20/2009 2:10:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3550B

EPA 8270C

RunID: MS 13_090423A	QC Batch: 54926	PrepDate: 4/22/2009	Analyst: DMP
2-Nitroaniline	ND	200	4100
2-Nitrophenol	ND	170	820
3,3'-Dichlorobenzidine	ND	200	1600
3-Nitroaniline	ND	150	4100
4,6-Dinitro-2-methylphenol	ND	160	4100
4-Bromophenyl-phenylether	ND	180	820
4-Chloro-3-methylphenol	ND	190	1600
4-Chloroaniline	ND	180	1600
4-Chlorophenyl-phenylether	ND	180	820
4-Methylphenol	ND	200	820
4-Nitroaniline	ND	150	4100
4-Nitrophenol	ND	180	4100
Acenaphthene	ND	180	820
Acenaphthylene	ND	170	820
Anthracene	ND	190	820
Benzidine (M)	ND	180	4100
Benzo(a)anthracene	ND	170	820
Benzo(a)pyrene	ND	200	820
Benzo(b)fluoranthene	ND	180	820
Benzo(g,h,i)perylene	ND	180	820
Benzo(k)fluoranthene	ND	240	820
Benzoic acid	ND	160	4100
Benzyl alcohol	ND	220	1600
Bis(2-chloroethoxy)methane	ND	200	820
Bis(2-chloroethyl)ether	ND	200	820
Bis(2-chloroisopropyl)ether	ND	230	820
Bis(2-ethylhexyl)phthalate	ND	180	820
Butylbenzylphthalate	ND	180	820
Chrysene	ND	200	820
Di-n-butylphthalate	ND	190	820
Di-n-octylphthalate	ND	180	820
Dibenz(a,h)anthracene	ND	210	820
Dibenzofuran	ND	170	820
Diethylphthalate	ND	180	820
Dimethylphthalate	ND	170	820

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-025A

Client Sample ID: 1001-111-2D-S
Collection Date: 4/20/2009 2:10:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3550B

EPA 8270C

RunID: MS 13_090423A	QC Batch: 54926	PrepDate: 4/22/2009	Analyst: DMP
Fluoranthene	ND	180	820
Fluorene	ND	170	820
Hexachlorobenzene	ND	190	820
Hexachlorobutadiene	ND	190	1600
Hexachlorocyclopentadiene	ND	200	1600
Hexachloroethane	ND	200	820
Indeno(1,2,3-cd)pyrene	ND	170	820
Isophorone	ND	210	820
N-Nitrosodi-n-propylamine	ND	200	820
N-Nitrosodiphenylamine	ND	200	820
Naphthalene	ND	210	820
Nitrobenzene	ND	200	820
Pentachlorophenol	ND	140	4100
Phenanthrene	ND	190	820
Phenol	ND	240	820
Pyrene	ND	190	820
Surr: 1,2-Dichlorobenzene-d4	51.8	0	49-103
Surr: 2,4,6-Tribromophenol	41.6	0	47-129
Surr: 2-Chlorophenol-d4	56.3	0	54-109
Surr: 2-Fluorobiphenyl	59.2	0	59-108
Surr: 2-Fluorophenol	56.2	0	50-111
Surr: 4-Terphenyl-d14	64.2	0	58-135
Surr: Nitrobenzene-d5	57.4	0	54-115
Surr: Phenol-d5	56.6	0	58-112

PH

EPA 9045C

RunID: WETCHEM_090421D	QC Batch: R108342	PrepDate:	Analyst: DDL
pH	7.7	0.10	0.10

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-025B

Client Sample ID: 1001-111-2D-S
Collection Date: 4/20/2009 2:10:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS5_090422A	QC Batch: T09VS104	PrepDate: 4/22/2009	Analyst: HH
1,1,1,2-Tetrachloroethane	ND 1.0	5.3	µg/Kg 1 4/22/2009 12:49 PM
1,1,1-Trichloroethane	ND 1.4	5.3	µg/Kg 1 4/22/2009 12:49 PM
1,1,2,2-Tetrachloroethane	ND 3.3	5.3	µg/Kg 1 4/22/2009 12:49 PM
1,1,2-Trichloroethane	ND 1.3	5.3	µg/Kg 1 4/22/2009 12:49 PM
1,1-Dichloroethane	ND 0.65	5.3	µg/Kg 1 4/22/2009 12:49 PM
1,1-Dichloroethene	ND 0.48	5.3	µg/Kg 1 4/22/2009 12:49 PM
1,1-Dichloropropene	ND 2.2	5.3	µg/Kg 1 4/22/2009 12:49 PM
1,2,3-Trichlorobenzene	ND 4.0	5.3	µg/Kg 1 4/22/2009 12:49 PM
1,2,3-Trichloropropane	ND 2.5	5.3	µg/Kg 1 4/22/2009 12:49 PM
1,2,4-Trichlorobenzene	ND 2.5	5.3	µg/Kg 1 4/22/2009 12:49 PM
1,2,4-Trimethylbenzene	ND 1.1	5.3	µg/Kg 1 4/22/2009 12:49 PM
1,2-Dibromo-3-chloropropane	ND 3.3	11	µg/Kg 1 4/22/2009 12:49 PM
1,2-Dibromoethane	ND 1.0	5.3	µg/Kg 1 4/22/2009 12:49 PM
1,2-Dichlorobenzene	ND 2.2	5.3	µg/Kg 1 4/22/2009 12:49 PM
1,2-Dichloroethane	ND 2.0	5.3	µg/Kg 1 4/22/2009 12:49 PM
1,2-Dichloropropane	ND 1.6	5.3	µg/Kg 1 4/22/2009 12:49 PM
1,3,5-Trimethylbenzene	ND 0.83	5.3	µg/Kg 1 4/22/2009 12:49 PM
1,3-Dichlorobenzene	ND 1.8	5.3	µg/Kg 1 4/22/2009 12:49 PM
1,3-Dichloropropane	ND 0.34	5.3	µg/Kg 1 4/22/2009 12:49 PM
1,4-Dichlorobenzene	ND 1.9	5.3	µg/Kg 1 4/22/2009 12:49 PM
2,2-Dichloropropane	ND 0.51	5.3	µg/Kg 1 4/22/2009 12:49 PM
2-Chlorotoluene	ND 0.94	5.3	µg/Kg 1 4/22/2009 12:49 PM
4-Chlorotoluene	ND 1.2	5.3	µg/Kg 1 4/22/2009 12:49 PM
4-Isopropyltoluene	ND 1.2	5.3	µg/Kg 1 4/22/2009 12:49 PM
Benzene	ND 0.68	5.3	µg/Kg 1 4/22/2009 12:49 PM
Bromobenzene	ND 1.3	5.3	µg/Kg 1 4/22/2009 12:49 PM
Bromodichloromethane	ND 1.4	5.3	µg/Kg 1 4/22/2009 12:49 PM
Bromoform	ND 2.1	5.3	µg/Kg 1 4/22/2009 12:49 PM
Bromomethane	ND 0.72	5.3	µg/Kg 1 4/22/2009 12:49 PM
Carbon tetrachloride	ND 1.5	5.3	µg/Kg 1 4/22/2009 12:49 PM
Chlorobenzene	ND 0.69	5.3	µg/Kg 1 4/22/2009 12:49 PM
Chloroethane	ND 0.92	5.3	µg/Kg 1 4/22/2009 12:49 PM
Chloroform	ND 1.6	5.3	µg/Kg 1 4/22/2009 12:49 PM
Chloromethane	ND 0.40	5.3	µg/Kg 1 4/22/2009 12:49 PM
cis-1,2-Dichloroethene	ND 1.9	5.3	µg/Kg 1 4/22/2009 12:49 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-025B

Client Sample ID: 1001-111-2D-S
Collection Date: 4/20/2009 2:10:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS5_090422A	QC Batch: T09VS104	PrepDate: 4/22/2009	Analyst: HH
cis-1,3-Dichloropropene	ND 0.80	5.3	µg/Kg 1 4/22/2009 12:49 PM
Dibromochloromethane	ND 0.76	5.3	µg/Kg 1 4/22/2009 12:49 PM
Dibromomethane	ND 1.3	5.3	µg/Kg 1 4/22/2009 12:49 PM
Dichlorodifluoromethane	ND 0.57	5.3	µg/Kg 1 4/22/2009 12:49 PM
Ethylbenzene	ND 0.34	5.3	µg/Kg 1 4/22/2009 12:49 PM
Hexachlorobutadiene	ND 2.4	5.3	µg/Kg 1 4/22/2009 12:49 PM
Isopropylbenzene	ND 0.61	5.3	µg/Kg 1 4/22/2009 12:49 PM
m,p-Xylene	ND 0.73	11	µg/Kg 1 4/22/2009 12:49 PM
Methylene chloride	ND 5.3	5.3	µg/Kg 1 4/22/2009 12:49 PM
n-Butylbenzene	ND 1.3	5.3	µg/Kg 1 4/22/2009 12:49 PM
n-Propylbenzene	ND 0.72	5.3	µg/Kg 1 4/22/2009 12:49 PM
Naphthalene	ND 2.7	5.3	µg/Kg 1 4/22/2009 12:49 PM
o-Xylene	ND 0.53	5.3	µg/Kg 1 4/22/2009 12:49 PM
sec-Butylbenzene	ND 1.1	5.3	µg/Kg 1 4/22/2009 12:49 PM
Styrene	ND 0.64	5.3	µg/Kg 1 4/22/2009 12:49 PM
tert-Butylbenzene	ND 1.1	5.3	µg/Kg 1 4/22/2009 12:49 PM
Tetrachloroethene	15 1.1	5.3	µg/Kg 1 4/22/2009 12:49 PM
Toluene	ND 0.59	5.3	µg/Kg 1 4/22/2009 12:49 PM
trans-1,2-Dichloroethene	ND 0.56	5.3	µg/Kg 1 4/22/2009 12:49 PM
Trichloroethene	ND 1.6	5.3	µg/Kg 1 4/22/2009 12:49 PM
Trichlorofluoromethane	ND 0.58	5.3	µg/Kg 1 4/22/2009 12:49 PM
Vinyl chloride	ND 0.45	5.3	µg/Kg 1 4/22/2009 12:49 PM
Surr: 1,2-Dichloroethane-d4	109 0	68-147	%REC 1 4/22/2009 12:49 PM
Surr: 4-Bromofluorobenzene	98.5 0	67-127	%REC 1 4/22/2009 12:49 PM
Surr: Dibromofluoromethane	108 0	72-141	%REC 1 4/22/2009 12:49 PM
Surr: Toluene-d8	112 0	75-120	%REC 1 4/22/2009 12:49 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-025E

Client Sample ID: 1001-111-2D-S
Collection Date: 4/20/2009 2:10:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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GASOLINE RANGE ORGANICS BY GC/FID

EPA 8015B(M)

RunID: GC2_090421C	QC Batch: E09VS106	PrepDate: 4/20/2009	Analyst: KHN			
GRO	ND	0.18	1.2	mg/Kg	1	4/22/2009 04:42 AM
Surr: Bromofluorobenzene (FID)	95.8	0	59-145	%REC	1	4/22/2009 04:42 AM

HYDROCARBON CHAIN IDENTIFICATION

EPA 8015B

RunID: GC2_090421C	QC Batch: E09VS106	PrepDate: 4/20/2009	Analyst: KHN			
T/R Hydrocarbons: C4-C12	ND	0.23	1.2	mg/Kg	1	4/22/2009 04:42 AM
Surr: Bromofluorobenzene (FID)	95.8	0	59-145	%REC	1	4/22/2009 04:42 AM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-026A

Client Sample ID: 1001-111-5-S
Collection Date: 4/20/2009 2:15:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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ICP METALS

EPA 3050B

EPA 6010B

RunID:	ICP8_090424I	QC Batch:	54943	PrepDate:	4/23/2009	Analyst:	CL
Antimony	ND	0.28	2.0	mg/Kg	1	4/24/2009 08:43 PM	
Arsenic	ND	0.27	1.0	mg/Kg	1	4/24/2009 08:43 PM	
Barium	200	0.13	1.0	mg/Kg	1	4/24/2009 08:43 PM	
Beryllium	ND	0.055	1.0	mg/Kg	1	4/24/2009 08:43 PM	
Cadmium	ND	0.0064	1.0	mg/Kg	1	4/24/2009 08:43 PM	
Chromium	25	0.088	1.0	mg/Kg	1	4/24/2009 08:43 PM	
Cobalt	11	0.014	1.0	mg/Kg	1	4/24/2009 08:43 PM	
Copper	30	0.26	2.0	mg/Kg	1	4/24/2009 08:43 PM	
Lead	ND	0.11	1.0	mg/Kg	1	4/24/2009 08:43 PM	
Molybdenum	ND	0.043	1.0	mg/Kg	1	4/24/2009 08:43 PM	
Nickel	19	0.032	1.0	mg/Kg	1	4/24/2009 08:43 PM	
Selenium	ND	0.43	1.0	mg/Kg	1	4/24/2009 08:43 PM	
Silver	ND	0.017	1.0	mg/Kg	1	4/24/2009 08:43 PM	
Thallium	ND	0.23	1.0	mg/Kg	1	4/24/2009 08:43 PM	
Vanadium	61	0.019	1.0	mg/Kg	1	4/24/2009 08:43 PM	
Zinc	63	0.19	1.0	mg/Kg	1	4/24/2009 08:43 PM	

HEXAVALENT CHROMIUM

EPA 7196A

RunID:	WETCHEM3_090424D	QC Batch:	54997	PrepDate:	4/23/2009	Analyst:	CBB
Chromium, Hexavalent	ND	0.074	0.10	mg/Kg	1	4/24/2009	

DIESEL RANGE ORGANICS BY GC/FID LUFT

EPA 8015B(M)

RunID:	GC16_090423A	QC Batch:	54880	PrepDate:	4/21/2009	Analyst:	CBR
DRO	48	10	10	mg/Kg	1	4/25/2009 05:49 PM	
Surr: p-Terphenyl	99.6	0	57-144	%REC	1	4/25/2009 05:49 PM	

HYDROCARBON CHAIN IDENTIFICATION LUFT

EPA 8015B(M)

RunID:	GC16_090423A	QC Batch:	54880	PrepDate:	4/21/2009	Analyst:	CBR
T/R Hydrocarbons: C13-C22	25	10	10	mg/Kg	1	4/25/2009 05:49 PM	
T/R Hydrocarbons: C23-C32	28	10	10	mg/Kg	1	4/25/2009 05:49 PM	
T/R Hydrocarbons:>C32	13	10	10	mg/Kg	1	4/25/2009 05:49 PM	
Surr: p-Terphenyl	99.6	0	57-144	%REC	1	4/25/2009 05:49 PM	

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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Advanced Technology Laboratories**ANALYTICAL RESULTS**

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-026A

Client Sample ID: 1001-111-5-S
Collection Date: 4/20/2009 2:15:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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PCBS BY GC/ECD**EPA 3550B****EPA 8082**

RunID: GC4_090423C	QC Batch: 54930			PrepDate: 4/22/2009	Analyst: BB
Aroclor 1016	ND	5.0	16	µg/Kg	1 4/23/2009 08:26 PM
Aroclor 1221	ND	5.0	33	µg/Kg	1 4/23/2009 08:26 PM
Aroclor 1232	ND	5.0	16	µg/Kg	1 4/23/2009 08:26 PM
Aroclor 1242	ND	5.0	16	µg/Kg	1 4/23/2009 08:26 PM
Aroclor 1248	ND	5.0	16	µg/Kg	1 4/23/2009 08:26 PM
Aroclor 1254	ND	5.0	16	µg/Kg	1 4/23/2009 08:26 PM
Aroclor 1260	ND	5.0	16	µg/Kg	1 4/23/2009 08:26 PM
Aroclor 1262	ND	5.0	16	µg/Kg	1 4/23/2009 08:26 PM
Aroclor 1268	ND	5.0	16	µg/Kg	1 4/23/2009 08:26 PM
Surr: Decachlorobiphenyl	80.9	0	30-124	%REC	1 4/23/2009 08:26 PM
Surr: Tetrachloro-m-xylene	100	0	40-118	%REC	1 4/23/2009 08:26 PM

MERCURY BY COLD VAPOR TECHNIQUE**EPA 7471A**

RunID: AA5_090422E	QC Batch: 54902			PrepDate: 4/22/2009	Analyst: RQ
Mercury	ND	0.021	0.10	mg/Kg	1 4/22/2009 04:24 PM

SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS**EPA 3550B****EPA 8270C**

RunID: MS 13_090423A	QC Batch: 54926			PrepDate: 4/22/2009	Analyst: DMP
1,2,4-Trichlorobenzene	ND	82	330	µg/Kg	1 4/27/2009 01:04 PM
1,2-Dichlorobenzene	ND	85	330	µg/Kg	1 4/27/2009 01:04 PM
1,3-Dichlorobenzene	ND	74	330	µg/Kg	1 4/27/2009 01:04 PM
1,4-Dichlorobenzene	ND	78	330	µg/Kg	1 4/27/2009 01:04 PM
2,4,5-Trichlorophenol	ND	56	330	µg/Kg	1 4/27/2009 01:04 PM
2,4,6-Trichlorophenol	ND	78	330	µg/Kg	1 4/27/2009 01:04 PM
2,4-Dichlorophenol	ND	87	1600	µg/Kg	1 4/27/2009 01:04 PM
2,4-Dimethylphenol	ND	88	330	µg/Kg	1 4/27/2009 01:04 PM
2,4-Dinitrophenol	ND	45	1600	µg/Kg	1 4/27/2009 01:04 PM
2,4-Dinitrotoluene	ND	67	330	µg/Kg	1 4/27/2009 01:04 PM
2,6-Dinitrotoluene	ND	67	330	µg/Kg	1 4/27/2009 01:04 PM
2-Chloronaphthalene	ND	70	330	µg/Kg	1 4/27/2009 01:04 PM
2-Chlorophenol	ND	89	330	µg/Kg	1 4/27/2009 01:04 PM
2-Methylnaphthalene	ND	78	330	µg/Kg	1 4/27/2009 01:04 PM
2-Methylphenol	ND	96	330	µg/Kg	1 4/27/2009 01:04 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-026A

Client Sample ID: 1001-111-5-S
Collection Date: 4/20/2009 2:15:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3550B

EPA 8270C

RunID: MS 13_090423A	QC Batch: 54926	PrepDate: 4/22/2009	Analyst: DMP
2-Nitroaniline	ND	79	1600
2-Nitrophenol	ND	70	330
3,3'-Dichlorobenzidine	ND	78	660
3-Nitroaniline	ND	60	1600
4,6-Dinitro-2-methylphenol	ND	63	1600
4-Bromophenyl-phenylether	ND	73	330
4-Chloro-3-methylphenol	ND	75	660
4-Chloroaniline	ND	73	660
4-Chlorophenyl-phenylether	ND	70	330
4-Methylphenol	ND	79	330
4-Nitroaniline	ND	60	1600
4-Nitrophenol	ND	71	1600
Acenaphthene	ND	70	330
Acenaphthylene	ND	69	330
Anthracene	ND	76	330
Benzidine (M)	ND	71	1600
Benzo(a)anthracene	ND	69	330
Benzo(a)pyrene	ND	82	330
Benzo(b)fluoranthene	ND	70	330
Benzo(g,h,i)perylene	ND	71	330
Benzo(k)fluoranthene	ND	98	330
Benzoic acid	ND	64	1600
Benzyl alcohol	ND	86	660
Bis(2-chloroethoxy)methane	ND	79	330
Bis(2-chloroethyl)ether	ND	81	330
Bis(2-chloroisopropyl)ether	ND	91	330
Bis(2-ethylhexyl)phthalate	ND	72	330
Butylbenzylphthalate	ND	72	330
Chrysene	ND	79	330
Di-n-butylphthalate	ND	78	330
Di-n-octylphthalate	ND	71	330
Dibenz(a,h)anthracene	ND	83	330
Dibenzofuran	ND	68	330
Diethylphthalate	ND	74	330
Dimethylphthalate	ND	69	330

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
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Client Sample ID: 1001-111-5-S
Collection Date: 4/20/2009 2:15:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3550B

EPA 8270C

RunID: MS 13_090423A	QC Batch: 54926	PrepDate: 4/22/2009	Analyst: DMP
Fluoranthene	ND	73	330
Fluorene	ND	69	330
Hexachlorobenzene	ND	76	330
Hexachlorobutadiene	ND	77	660
Hexachlorocyclopentadiene	ND	80	660
Hexachloroethane	ND	81	330
Indeno(1,2,3-cd)pyrene	ND	69	330
Isophorone	ND	85	330
N-Nitrosodi-n-propylamine	ND	82	330
N-Nitrosodiphenylamine	ND	79	330
Naphthalene	ND	86	330
Nitrobenzene	ND	82	330
Pentachlorophenol	ND	55	1600
Phenanthrene	ND	76	330
Phenol	1000	95	330
Pyrene	ND	77	330
Surr: 1,2-Dichlorobenzene-d4	86.1	0	49-103
Surr: 2,4,6-Tribromophenol	92.8	0	47-129
Surr: 2-Chlorophenol-d4	94.1	0	54-109
Surr: 2-Fluorobiphenyl	103	0	59-108
Surr: 2-Fluorophenol	91.4	0	50-111
Surr: 4-Terphenyl-d14	133	0	58-135
Surr: Nitrobenzene-d5	98.4	0	54-115
Surr: Phenol-d5	98.5	0	58-112

PH

EPA 9045C

RunID: WETCHEM_090421D	QC Batch: R108342	PrepDate:	Analyst: DDL
pH	7.7	0.10	0.10

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-026B

Client Sample ID: 1001-111-5-S
Collection Date: 4/20/2009 2:15:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS5_090422A	QC Batch: T09VS104	PrepDate: 4/22/2009	Analyst: HH
1,1,1,2-Tetrachloroethane	ND 0.96	5.0	µg/Kg 1 4/22/2009 01:08 PM
1,1,1-Trichloroethane	ND 1.3	5.0	µg/Kg 1 4/22/2009 01:08 PM
1,1,2,2-Tetrachloroethane	ND 3.1	5.0	µg/Kg 1 4/22/2009 01:08 PM
1,1,2-Trichloroethane	ND 1.2	5.0	µg/Kg 1 4/22/2009 01:08 PM
1,1-Dichloroethane	ND 0.61	5.0	µg/Kg 1 4/22/2009 01:08 PM
1,1-Dichloroethene	ND 0.45	5.0	µg/Kg 1 4/22/2009 01:08 PM
1,1-Dichloropropene	ND 2.1	5.0	µg/Kg 1 4/22/2009 01:08 PM
1,2,3-Trichlorobenzene	ND 3.7	5.0	µg/Kg 1 4/22/2009 01:08 PM
1,2,3-Trichloropropane	ND 2.3	5.0	µg/Kg 1 4/22/2009 01:08 PM
1,2,4-Trichlorobenzene	ND 2.3	5.0	µg/Kg 1 4/22/2009 01:08 PM
1,2,4-Trimethylbenzene	ND 1.0	5.0	µg/Kg 1 4/22/2009 01:08 PM
1,2-Dibromo-3-chloropropane	ND 3.1	10	µg/Kg 1 4/22/2009 01:08 PM
1,2-Dibromoethane	ND 0.97	5.0	µg/Kg 1 4/22/2009 01:08 PM
1,2-Dichlorobenzene	ND 2.1	5.0	µg/Kg 1 4/22/2009 01:08 PM
1,2-Dichloroethane	ND 1.8	5.0	µg/Kg 1 4/22/2009 01:08 PM
1,2-Dichloropropane	ND 1.5	5.0	µg/Kg 1 4/22/2009 01:08 PM
1,3,5-Trimethylbenzene	ND 0.78	5.0	µg/Kg 1 4/22/2009 01:08 PM
1,3-Dichlorobenzene	ND 1.7	5.0	µg/Kg 1 4/22/2009 01:08 PM
1,3-Dichloropropane	ND 0.32	5.0	µg/Kg 1 4/22/2009 01:08 PM
1,4-Dichlorobenzene	ND 1.8	5.0	µg/Kg 1 4/22/2009 01:08 PM
2,2-Dichloropropane	ND 0.48	5.0	µg/Kg 1 4/22/2009 01:08 PM
2-Chlorotoluene	ND 0.89	5.0	µg/Kg 1 4/22/2009 01:08 PM
4-Chlorotoluene	ND 1.1	5.0	µg/Kg 1 4/22/2009 01:08 PM
4-Isopropyltoluene	ND 1.1	5.0	µg/Kg 1 4/22/2009 01:08 PM
Benzene	ND 0.64	5.0	µg/Kg 1 4/22/2009 01:08 PM
Bromobenzene	ND 1.3	5.0	µg/Kg 1 4/22/2009 01:08 PM
Bromodichloromethane	ND 1.3	5.0	µg/Kg 1 4/22/2009 01:08 PM
Bromoform	ND 2.0	5.0	µg/Kg 1 4/22/2009 01:08 PM
Bromomethane	ND 0.68	5.0	µg/Kg 1 4/22/2009 01:08 PM
Carbon tetrachloride	ND 1.4	5.0	µg/Kg 1 4/22/2009 01:08 PM
Chlorobenzene	ND 0.65	5.0	µg/Kg 1 4/22/2009 01:08 PM
Chloroethane	ND 0.87	5.0	µg/Kg 1 4/22/2009 01:08 PM
Chloroform	ND 1.5	5.0	µg/Kg 1 4/22/2009 01:08 PM
Chloromethane	ND 0.38	5.0	µg/Kg 1 4/22/2009 01:08 PM
cis-1,2-Dichloroethene	ND 1.8	5.0	µg/Kg 1 4/22/2009 01:08 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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Advanced Technology Laboratories**ANALYTICAL RESULTS**

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-026B

Client Sample ID: 1001-111-5-S
Collection Date: 4/20/2009 2:15:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS**EPA 8260B**

RunID: MS5_090422A	QC Batch: T09VS104	PrepDate: 4/22/2009	Analyst: HH
cis-1,3-Dichloropropene	ND 0.75	5.0	µg/Kg 1 4/22/2009 01:08 PM
Dibromochloromethane	ND 0.72	5.0	µg/Kg 1 4/22/2009 01:08 PM
Dibromomethane	ND 1.2	5.0	µg/Kg 1 4/22/2009 01:08 PM
Dichlorodifluoromethane	ND 0.54	5.0	µg/Kg 1 4/22/2009 01:08 PM
Ethylbenzene	ND 0.32	5.0	µg/Kg 1 4/22/2009 01:08 PM
Hexachlorobutadiene	ND 2.2	5.0	µg/Kg 1 4/22/2009 01:08 PM
Isopropylbenzene	ND 0.57	5.0	µg/Kg 1 4/22/2009 01:08 PM
m,p-Xylene	ND 0.69	10	µg/Kg 1 4/22/2009 01:08 PM
Methylene chloride	ND 5.0	5.0	µg/Kg 1 4/22/2009 01:08 PM
n-Butylbenzene	ND 1.2	5.0	µg/Kg 1 4/22/2009 01:08 PM
n-Propylbenzene	ND 0.68	5.0	µg/Kg 1 4/22/2009 01:08 PM
Naphthalene	ND 2.5	5.0	µg/Kg 1 4/22/2009 01:08 PM
o-Xylene	ND 0.50	5.0	µg/Kg 1 4/22/2009 01:08 PM
sec-Butylbenzene	ND 1.0	5.0	µg/Kg 1 4/22/2009 01:08 PM
Styrene	ND 0.60	5.0	µg/Kg 1 4/22/2009 01:08 PM
tert-Butylbenzene	ND 1.0	5.0	µg/Kg 1 4/22/2009 01:08 PM
Tetrachloroethene	ND 1.0	5.0	µg/Kg 1 4/22/2009 01:08 PM
Toluene	ND 0.56	5.0	µg/Kg 1 4/22/2009 01:08 PM
trans-1,2-Dichloroethene	ND 0.53	5.0	µg/Kg 1 4/22/2009 01:08 PM
Trichloroethene	ND 1.5	5.0	µg/Kg 1 4/22/2009 01:08 PM
Trichlorofluoromethane	ND 0.55	5.0	µg/Kg 1 4/22/2009 01:08 PM
Vinyl chloride	ND 0.42	5.0	µg/Kg 1 4/22/2009 01:08 PM
Surr: 1,2-Dichloroethane-d4	112 0	68-147	%REC 1 4/22/2009 01:08 PM
Surr: 4-Bromofluorobenzene	99.3 0	67-127	%REC 1 4/22/2009 01:08 PM
Surr: Dibromofluoromethane	110 0	72-141	%REC 1 4/22/2009 01:08 PM
Surr: Toluene-d8	112 0	75-120	%REC 1 4/22/2009 01:08 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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Advanced Technology Laboratories**ANALYTICAL RESULTS**

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-026E

Client Sample ID: 1001-111-5-S
Collection Date: 4/20/2009 2:15:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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GASOLINE RANGE ORGANICS BY GC/FID**EPA 8015B(M)**

RunID: GC2_090421C	QC Batch: E09VS106	PrepDate: 4/20/2009	Analyst: KHN		
GRO	ND 0.16	1.1	mg/Kg	1	4/22/2009 04:58 AM
Surr: Bromofluorobenzene (FID)	108 0	59-145	%REC	1	4/22/2009 04:58 AM

HYDROCARBON CHAIN IDENTIFICATION**EPA 8015B**

RunID: GC2_090421C	QC Batch: E09VS106	PrepDate: 4/20/2009	Analyst: KHN		
T/R Hydrocarbons: C4-C12	ND 0.21	1.1	mg/Kg	1	4/22/2009 04:58 AM
Surr: Bromofluorobenzene (FID)	108 0	59-145	%REC	1	4/22/2009 04:58 AM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-027A

Client Sample ID: 1001-111-10-S
Collection Date: 4/20/2009 2:20:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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ICP METALS

EPA 3050B

EPA 6010B

RunID:	ICP8_090424I	QC Batch:	54943	PrepDate:	4/23/2009	Analyst:	CL
Antimony	ND	0.28	2.0	mg/Kg	1	4/24/2009 08:46 PM	
Arsenic	ND	0.27	1.0	mg/Kg	1	4/24/2009 08:46 PM	
Barium	75	0.13	1.0	mg/Kg	1	4/24/2009 08:46 PM	
Beryllium	ND	0.055	1.0	mg/Kg	1	4/24/2009 08:46 PM	
Cadmium	ND	0.0064	1.0	mg/Kg	1	4/24/2009 08:46 PM	
Chromium	13	0.088	1.0	mg/Kg	1	4/24/2009 08:46 PM	
Cobalt	5.1	0.014	1.0	mg/Kg	1	4/24/2009 08:46 PM	
Copper	11	0.26	2.0	mg/Kg	1	4/24/2009 08:46 PM	
Lead	ND	0.11	1.0	mg/Kg	1	4/24/2009 08:46 PM	
Molybdenum	ND	0.043	1.0	mg/Kg	1	4/24/2009 08:46 PM	
Nickel	8.3	0.032	1.0	mg/Kg	1	4/24/2009 08:46 PM	
Selenium	ND	0.43	1.0	mg/Kg	1	4/24/2009 08:46 PM	
Silver	ND	0.017	1.0	mg/Kg	1	4/24/2009 08:46 PM	
Thallium	ND	0.23	1.0	mg/Kg	1	4/24/2009 08:46 PM	
Vanadium	34	0.019	1.0	mg/Kg	1	4/24/2009 08:46 PM	
Zinc	27	0.19	1.0	mg/Kg	1	4/24/2009 08:46 PM	

HEXAVALENT CHROMIUM

EPA 7196A

RunID:	WETCHEM3_090424D	QC Batch:	54997	PrepDate:	4/23/2009	Analyst:	CBB
Chromium, Hexavalent	ND	0.074	0.10	mg/Kg	1	4/24/2009	

DIESEL RANGE ORGANICS BY GC/FID LUFT

EPA 8015B(M)

RunID:	GC16_090423A	QC Batch:	54880	PrepDate:	4/21/2009	Analyst:	CBR
DRO	59	10	10	mg/Kg	1	4/25/2009 05:58 PM	
Surr: p-Terphenyl	102	0	57-144	%REC	1	4/25/2009 05:58 PM	

HYDROCARBON CHAIN IDENTIFICATION LUFT

EPA 8015B(M)

RunID:	GC16_090423A	QC Batch:	54880	PrepDate:	4/21/2009	Analyst:	CBR
T/R Hydrocarbons: C13-C22	31	10	10	mg/Kg	1	4/25/2009 05:58 PM	
T/R Hydrocarbons: C23-C32	33	10	10	mg/Kg	1	4/25/2009 05:58 PM	
T/R Hydrocarbons:>C32	16	10	10	mg/Kg	1	4/25/2009 05:58 PM	
Surr: p-Terphenyl	102	0	57-144	%REC	1	4/25/2009 05:58 PM	

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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Lab Order: 105139
Project: 207126015
Lab ID: 105139-027A

Client Sample ID: 1001-111-10-S
Collection Date: 4/20/2009 2:20:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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PCBS BY GC/ECD

EPA 3550B		EPA 8082					
RunID: GC4_090423C	QC Batch: 54930			PrepDate:	4/22/2009	Analyst: BB	
Aroclor 1016	ND	5.0	16	µg/Kg	1	4/23/2009 04:28 PM	
Aroclor 1221	ND	5.0	33	µg/Kg	1	4/23/2009 04:28 PM	
Aroclor 1232	ND	5.0	16	µg/Kg	1	4/23/2009 04:28 PM	
Aroclor 1242	ND	5.0	16	µg/Kg	1	4/23/2009 04:28 PM	
Aroclor 1248	ND	5.0	16	µg/Kg	1	4/23/2009 04:28 PM	
Aroclor 1254	ND	5.0	16	µg/Kg	1	4/23/2009 04:28 PM	
Aroclor 1260	ND	5.0	16	µg/Kg	1	4/23/2009 04:28 PM	
Aroclor 1262	ND	5.0	16	µg/Kg	1	4/23/2009 04:28 PM	
Aroclor 1268	ND	5.0	16	µg/Kg	1	4/23/2009 04:28 PM	
Surr: Decachlorobiphenyl	77.1	0	30-124	%REC	1	4/23/2009 04:28 PM	
Surr: Tetrachloro-m-xylene	88.3	0	40-118	%REC	1	4/23/2009 04:28 PM	

MERCURY BY COLD VAPOR TECHNIQUE

EPA 7471A							
RunID: AA5_090422E	QC Batch: 54902			PrepDate:	4/22/2009	Analyst: RQ	
Mercury	ND	0.021	0.10	mg/Kg	1	4/22/2009 04:26 PM	

SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3550B		EPA 8270C					
RunID: MS 13_090423A	QC Batch: 54926			PrepDate:	4/22/2009	Analyst: DMP	
1,2,4-Trichlorobenzene	ND	82	330	µg/Kg	1	4/24/2009 12:59 PM	
1,2-Dichlorobenzene	ND	85	330	µg/Kg	1	4/24/2009 12:59 PM	
1,3-Dichlorobenzene	ND	74	330	µg/Kg	1	4/24/2009 12:59 PM	
1,4-Dichlorobenzene	ND	78	330	µg/Kg	1	4/24/2009 12:59 PM	
2,4,5-Trichlorophenol	ND	56	330	µg/Kg	1	4/24/2009 12:59 PM	
2,4,6-Trichlorophenol	ND	78	330	µg/Kg	1	4/24/2009 12:59 PM	
2,4-Dichlorophenol	ND	87	1600	µg/Kg	1	4/24/2009 12:59 PM	
2,4-Dimethylphenol	ND	88	330	µg/Kg	1	4/24/2009 12:59 PM	
2,4-Dinitrophenol	ND	45	1600	µg/Kg	1	4/24/2009 12:59 PM	
2,4-Dinitrotoluene	ND	67	330	µg/Kg	1	4/24/2009 12:59 PM	
2,6-Dinitrotoluene	ND	67	330	µg/Kg	1	4/24/2009 12:59 PM	
2-Chloronaphthalene	ND	70	330	µg/Kg	1	4/24/2009 12:59 PM	
2-Chlorophenol	ND	89	330	µg/Kg	1	4/24/2009 12:59 PM	
2-Methylnaphthalene	ND	78	330	µg/Kg	1	4/24/2009 12:59 PM	
2-Methylphenol	ND	96	330	µg/Kg	1	4/24/2009 12:59 PM	

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-027A

Client Sample ID: 1001-111-10-S
Collection Date: 4/20/2009 2:20:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3550B

EPA 8270C

RunID: MS 13_090423A	QC Batch: 54926	PrepDate: 4/22/2009	Analyst: DMP
2-Nitroaniline	ND	79	1600
2-Nitrophenol	ND	70	330
3,3'-Dichlorobenzidine	ND	78	660
3-Nitroaniline	ND	60	1600
4,6-Dinitro-2-methylphenol	ND	63	1600
4-Bromophenyl-phenylether	ND	73	330
4-Chloro-3-methylphenol	ND	75	660
4-Chloroaniline	ND	73	660
4-Chlorophenyl-phenylether	ND	70	330
4-Methylphenol	ND	79	330
4-Nitroaniline	ND	60	1600
4-Nitrophenol	ND	71	1600
Acenaphthene	ND	70	330
Acenaphthylene	ND	69	330
Anthracene	ND	76	330
Benzidine (M)	ND	71	1600
Benzo(a)anthracene	ND	69	330
Benzo(a)pyrene	ND	82	330
Benzo(b)fluoranthene	ND	70	330
Benzo(g,h,i)perylene	ND	71	330
Benzo(k)fluoranthene	ND	98	330
Benzoic acid	ND	64	1600
Benzyl alcohol	ND	86	660
Bis(2-chloroethoxy)methane	ND	79	330
Bis(2-chloroethyl)ether	ND	81	330
Bis(2-chloroisopropyl)ether	ND	91	330
Bis(2-ethylhexyl)phthalate	ND	72	330
Butylbenzylphthalate	ND	72	330
Chrysene	ND	79	330
Di-n-butylphthalate	ND	78	330
Di-n-octylphthalate	ND	71	330
Dibenz(a,h)anthracene	ND	83	330
Dibenzofuran	ND	68	330
Diethylphthalate	ND	74	330
Dimethylphthalate	ND	69	330

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



Advanced Technology
Laboratories

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Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-027A

Client Sample ID: 1001-111-10-S
Collection Date: 4/20/2009 2:20:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3550B

EPA 8270C

RunID: MS 13_090423A	QC Batch: 54926	PrepDate: 4/22/2009	Analyst: DMP
Fluoranthene	ND	73	330
Fluorene	ND	69	330
Hexachlorobenzene	ND	76	330
Hexachlorobutadiene	ND	77	660
Hexachlorocyclopentadiene	ND	80	660
Hexachloroethane	ND	81	330
Indeno(1,2,3-cd)pyrene	ND	69	330
Isophorone	ND	85	330
N-Nitrosodi-n-propylamine	ND	82	330
N-Nitrosodiphenylamine	ND	79	330
Naphthalene	ND	86	330
Nitrobenzene	ND	82	330
Pentachlorophenol	ND	55	1600
Phenanthrene	ND	76	330
Phenol	540	95	330
Pyrene	ND	77	330
Surr: 1,2-Dichlorobenzene-d4	82.3	0	49-103
Surr: 2,4,6-Tribromophenol	85.2	0	47-129
Surr: 2-Chlorophenol-d4	86.0	0	54-109
Surr: 2-Fluorobiphenyl	93.4	0	59-108
Surr: 2-Fluorophenol	83.8	0	50-111
Surr: 4-Terphenyl-d14	119	0	58-135
Surr: Nitrobenzene-d5	88.4	0	54-115
Surr: Phenol-d5	89.8	0	58-112

PH

EPA 9045C

RunID: WETCHEM_090421D	QC Batch: R108342	PrepDate:	Analyst: DDL
pH	8.2	0.10	0.10

Qualifiers:

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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-027B

Client Sample ID: 1001-111-10-S
Collection Date: 4/20/2009 2:20:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS5_090422A	QC Batch: T09VS104	PrepDate: 4/22/2009	Analyst: HH
1,1,1,2-Tetrachloroethane	ND 0.85	4.4	µg/Kg 1 4/22/2009 01:28 PM
1,1,1-Trichloroethane	ND 1.2	4.4	µg/Kg 1 4/22/2009 01:28 PM
1,1,2,2-Tetrachloroethane	ND 2.7	4.4	µg/Kg 1 4/22/2009 01:28 PM
1,1,2-Trichloroethane	ND 1.1	4.4	µg/Kg 1 4/22/2009 01:28 PM
1,1-Dichloroethane	ND 0.54	4.4	µg/Kg 1 4/22/2009 01:28 PM
1,1-Dichloroethene	ND 0.40	4.4	µg/Kg 1 4/22/2009 01:28 PM
1,1-Dichloropropene	ND 1.9	4.4	µg/Kg 1 4/22/2009 01:28 PM
1,2,3-Trichlorobenzene	ND 3.3	4.4	µg/Kg 1 4/22/2009 01:28 PM
1,2,3-Trichloropropane	ND 2.0	4.4	µg/Kg 1 4/22/2009 01:28 PM
1,2,4-Trichlorobenzene	ND 2.1	4.4	µg/Kg 1 4/22/2009 01:28 PM
1,2,4-Trimethylbenzene	ND 0.92	4.4	µg/Kg 1 4/22/2009 01:28 PM
1,2-Dibromo-3-chloropropane	ND 2.8	8.8	µg/Kg 1 4/22/2009 01:28 PM
1,2-Dibromoethane	ND 0.86	4.4	µg/Kg 1 4/22/2009 01:28 PM
1,2-Dichlorobenzene	ND 1.9	4.4	µg/Kg 1 4/22/2009 01:28 PM
1,2-Dichloroethane	ND 1.6	4.4	µg/Kg 1 4/22/2009 01:28 PM
1,2-Dichloropropane	ND 1.4	4.4	µg/Kg 1 4/22/2009 01:28 PM
1,3,5-Trimethylbenzene	ND 0.69	4.4	µg/Kg 1 4/22/2009 01:28 PM
1,3-Dichlorobenzene	ND 1.5	4.4	µg/Kg 1 4/22/2009 01:28 PM
1,3-Dichloropropane	ND 0.28	4.4	µg/Kg 1 4/22/2009 01:28 PM
1,4-Dichlorobenzene	ND 1.6	4.4	µg/Kg 1 4/22/2009 01:28 PM
2,2-Dichloropropane	ND 0.42	4.4	µg/Kg 1 4/22/2009 01:28 PM
2-Chlorotoluene	ND 0.79	4.4	µg/Kg 1 4/22/2009 01:28 PM
4-Chlorotoluene	ND 1.0	4.4	µg/Kg 1 4/22/2009 01:28 PM
4-Isopropyltoluene	ND 0.98	4.4	µg/Kg 1 4/22/2009 01:28 PM
Benzene	ND 0.57	4.4	µg/Kg 1 4/22/2009 01:28 PM
Bromobenzene	ND 1.1	4.4	µg/Kg 1 4/22/2009 01:28 PM
Bromodichloromethane	ND 1.2	4.4	µg/Kg 1 4/22/2009 01:28 PM
Bromoform	ND 1.7	4.4	µg/Kg 1 4/22/2009 01:28 PM
Bromomethane	ND 0.60	4.4	µg/Kg 1 4/22/2009 01:28 PM
Carbon tetrachloride	ND 1.2	4.4	µg/Kg 1 4/22/2009 01:28 PM
Chlorobenzene	ND 0.58	4.4	µg/Kg 1 4/22/2009 01:28 PM
Chloroethane	ND 0.77	4.4	µg/Kg 1 4/22/2009 01:28 PM
Chloroform	ND 1.3	4.4	µg/Kg 1 4/22/2009 01:28 PM
Chloromethane	ND 0.34	4.4	µg/Kg 1 4/22/2009 01:28 PM
cis-1,2-Dichloroethene	ND 1.6	4.4	µg/Kg 1 4/22/2009 01:28 PM

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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-027B

Client Sample ID: 1001-111-10-S
Collection Date: 4/20/2009 2:20:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS5_090422A	QC Batch: T09VS104	PrepDate: 4/22/2009	Analyst: HH
cis-1,3-Dichloropropene	ND 0.66	4.4	µg/Kg 1 4/22/2009 01:28 PM
Dibromochloromethane	ND 0.64	4.4	µg/Kg 1 4/22/2009 01:28 PM
Dibromomethane	ND 1.1	4.4	µg/Kg 1 4/22/2009 01:28 PM
Dichlorodifluoromethane	ND 0.48	4.4	µg/Kg 1 4/22/2009 01:28 PM
Ethylbenzene	ND 0.28	4.4	µg/Kg 1 4/22/2009 01:28 PM
Hexachlorobutadiene	ND 2.0	4.4	µg/Kg 1 4/22/2009 01:28 PM
Isopropylbenzene	ND 0.50	4.4	µg/Kg 1 4/22/2009 01:28 PM
m,p-Xylene	ND 0.61	8.8	µg/Kg 1 4/22/2009 01:28 PM
Methylene chloride	ND 4.4	4.4	µg/Kg 1 4/22/2009 01:28 PM
n-Butylbenzene	ND 1.1	4.4	µg/Kg 1 4/22/2009 01:28 PM
n-Propylbenzene	ND 0.60	4.4	µg/Kg 1 4/22/2009 01:28 PM
Naphthalene	ND 2.2	4.4	µg/Kg 1 4/22/2009 01:28 PM
o-Xylene	ND 0.44	4.4	µg/Kg 1 4/22/2009 01:28 PM
sec-Butylbenzene	ND 0.92	4.4	µg/Kg 1 4/22/2009 01:28 PM
Styrene	ND 0.53	4.4	µg/Kg 1 4/22/2009 01:28 PM
tert-Butylbenzene	ND 0.92	4.4	µg/Kg 1 4/22/2009 01:28 PM
Tetrachloroethene	ND 0.93	4.4	µg/Kg 1 4/22/2009 01:28 PM
Toluene	ND 0.50	4.4	µg/Kg 1 4/22/2009 01:28 PM
trans-1,2-Dichloroethene	ND 0.47	4.4	µg/Kg 1 4/22/2009 01:28 PM
Trichloroethene	ND 1.3	4.4	µg/Kg 1 4/22/2009 01:28 PM
Trichlorofluoromethane	ND 0.49	4.4	µg/Kg 1 4/22/2009 01:28 PM
Vinyl chloride	ND 0.37	4.4	µg/Kg 1 4/22/2009 01:28 PM
Surr: 1,2-Dichloroethane-d4	113 0	68-147	%REC 1 4/22/2009 01:28 PM
Surr: 4-Bromofluorobenzene	101 0	67-127	%REC 1 4/22/2009 01:28 PM
Surr: Dibromofluoromethane	112 0	72-141	%REC 1 4/22/2009 01:28 PM
Surr: Toluene-d8	115 0	75-120	%REC 1 4/22/2009 01:28 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-027E

Client Sample ID: 1001-111-10-S
Collection Date: 4/20/2009 2:20:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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GASOLINE RANGE ORGANICS BY GC/FID

EPA 8015B(M)

RunID: GC2_090421C	QC Batch: E09VS106	PrepDate: 4/20/2009	Analyst: KHN		
GRO	ND 0.12	0.84	mg/Kg	1	4/22/2009 05:14 AM
Surr: Bromofluorobenzene (FID)	119 0	59-145	%REC	1	4/22/2009 05:14 AM

HYDROCARBON CHAIN IDENTIFICATION

EPA 8015B

RunID: GC2_090421C	QC Batch: E09VS106	PrepDate: 4/20/2009	Analyst: KHN		
T/R Hydrocarbons: C4-C12	ND 0.16	0.84	mg/Kg	1	4/22/2009 05:14 AM
Surr: Bromofluorobenzene (FID)	119 0	59-145	%REC	1	4/22/2009 05:14 AM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-028A

Client Sample ID: 1001-111-20-S
Collection Date: 4/20/2009 2:25:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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ICP METALS

EPA 3050B

EPA 6010B

RunID:	ICP8_090424I	QC Batch:	54943	PrepDate:	4/23/2009	Analyst:	CL
Antimony	ND	0.28	2.0	mg/Kg	1	4/24/2009 08:56 PM	
Arsenic	ND	0.27	1.0	mg/Kg	1	4/24/2009 08:56 PM	
Barium	120	0.13	1.0	mg/Kg	1	4/24/2009 08:56 PM	
Beryllium	ND	0.055	1.0	mg/Kg	1	4/24/2009 08:56 PM	
Cadmium	ND	0.0064	1.0	mg/Kg	1	4/24/2009 08:56 PM	
Chromium	21	0.088	1.0	mg/Kg	1	4/24/2009 08:56 PM	
Cobalt	7.7	0.014	1.0	mg/Kg	1	4/24/2009 08:56 PM	
Copper	21	0.26	2.0	mg/Kg	1	4/24/2009 08:56 PM	
Lead	ND	0.11	1.0	mg/Kg	1	4/24/2009 08:56 PM	
Molybdenum	1.9	0.043	1.0	mg/Kg	1	4/24/2009 08:56 PM	
Nickel	12	0.032	1.0	mg/Kg	1	4/24/2009 08:56 PM	
Selenium	ND	0.43	1.0	mg/Kg	1	4/24/2009 08:56 PM	
Silver	ND	0.017	1.0	mg/Kg	1	4/24/2009 08:56 PM	
Thallium	ND	0.23	1.0	mg/Kg	1	4/24/2009 08:56 PM	
Vanadium	45	0.019	1.0	mg/Kg	1	4/24/2009 08:56 PM	
Zinc	40	0.19	1.0	mg/Kg	1	4/24/2009 08:56 PM	

HEXAVALENT CHROMIUM

EPA 7196A

RunID:	WETCHEM3_090424D	QC Batch:	54997	PrepDate:	4/23/2009	Analyst:	CBB
Chromium, Hexavalent	ND	0.074	0.10	mg/Kg	1	4/24/2009	

DIESEL RANGE ORGANICS BY GC/FID LUFT

EPA 8015B(M)

RunID:	GC16_090423A	QC Batch:	54880	PrepDate:	4/21/2009	Analyst:	CBR
DRO	58	10	10	mg/Kg	1	4/25/2009 06:07 PM	
Surr: p-Terphenyl	106	0	57-144	%REC	1	4/25/2009 06:07 PM	

HYDROCARBON CHAIN IDENTIFICATION LUFT

EPA 8015B(M)

RunID:	GC16_090423A	QC Batch:	54880	PrepDate:	4/21/2009	Analyst:	CBR
T/R Hydrocarbons: C13-C22	32	10	10	mg/Kg	1	4/25/2009 06:07 PM	
T/R Hydrocarbons: C23-C32	37	10	10	mg/Kg	1	4/25/2009 06:07 PM	
T/R Hydrocarbons:>C32	16	10	10	mg/Kg	1	4/25/2009 06:07 PM	
Surr: p-Terphenyl	106	0	57-144	%REC	1	4/25/2009 06:07 PM	

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

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Lab Order: 105139
Project: 207126015
Lab ID: 105139-028A

Client Sample ID: 1001-111-20-S
Collection Date: 4/20/2009 2:25:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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PCBS BY GC/ECD

EPA 3550B

EPA 8082

RunID: GC4_090423C	QC Batch: 54930	PrepDate: 4/22/2009	Analyst: BB			
Aroclor 1016	ND	5.0	16	µg/Kg	1	4/23/2009 08:56 PM
Aroclor 1221	ND	5.0	33	µg/Kg	1	4/23/2009 08:56 PM
Aroclor 1232	ND	5.0	16	µg/Kg	1	4/23/2009 08:56 PM
Aroclor 1242	ND	5.0	16	µg/Kg	1	4/23/2009 08:56 PM
Aroclor 1248	ND	5.0	16	µg/Kg	1	4/23/2009 08:56 PM
Aroclor 1254	ND	5.0	16	µg/Kg	1	4/23/2009 08:56 PM
Aroclor 1260	ND	5.0	16	µg/Kg	1	4/23/2009 08:56 PM
Aroclor 1262	ND	5.0	16	µg/Kg	1	4/23/2009 08:56 PM
Aroclor 1268	ND	5.0	16	µg/Kg	1	4/23/2009 08:56 PM
Surr: Decachlorobiphenyl	89.6	0	30-124	%REC	1	4/23/2009 08:56 PM
Surr: Tetrachloro-m-xylene	104	0	40-118	%REC	1	4/23/2009 08:56 PM

MERCURY BY COLD VAPOR TECHNIQUE

EPA 7471A

RunID: AA5_090422E	QC Batch: 54902	PrepDate: 4/22/2009	Analyst: RQ			
Mercury	ND	0.021	0.10	mg/Kg	1	4/22/2009 04:28 PM

SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3550B

EPA 8270C

RunID: MS 13_090423A	QC Batch: 54926	PrepDate: 4/22/2009	Analyst: DMP			
1,2,4-Trichlorobenzene	ND	82	330	µg/Kg	1	4/24/2009 01:54 PM
1,2-Dichlorobenzene	ND	85	330	µg/Kg	1	4/24/2009 01:54 PM
1,3-Dichlorobenzene	ND	74	330	µg/Kg	1	4/24/2009 01:54 PM
1,4-Dichlorobenzene	ND	78	330	µg/Kg	1	4/24/2009 01:54 PM
2,4,5-Trichlorophenol	ND	56	330	µg/Kg	1	4/24/2009 01:54 PM
2,4,6-Trichlorophenol	ND	78	330	µg/Kg	1	4/24/2009 01:54 PM
2,4-Dichlorophenol	ND	87	1600	µg/Kg	1	4/24/2009 01:54 PM
2,4-Dimethylphenol	ND	88	330	µg/Kg	1	4/24/2009 01:54 PM
2,4-Dinitrophenol	ND	45	1600	µg/Kg	1	4/24/2009 01:54 PM
2,4-Dinitrotoluene	ND	67	330	µg/Kg	1	4/24/2009 01:54 PM
2,6-Dinitrotoluene	ND	67	330	µg/Kg	1	4/24/2009 01:54 PM
2-Chloronaphthalene	ND	70	330	µg/Kg	1	4/24/2009 01:54 PM
2-Chlorophenol	ND	89	330	µg/Kg	1	4/24/2009 01:54 PM
2-Methylnaphthalene	ND	78	330	µg/Kg	1	4/24/2009 01:54 PM
2-Methylphenol	ND	96	330	µg/Kg	1	4/24/2009 01:54 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
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ANALYTICAL RESULTS

Print Date: 01-May-09

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Lab Order: 105139
Project: 207126015
Lab ID: 105139-028A

Client Sample ID: 1001-111-20-S
Collection Date: 4/20/2009 2:25:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3550B

EPA 8270C

RunID: MS 13_090423A	QC Batch: 54926	PrepDate: 4/22/2009	Analyst: DMP
2-Nitroaniline	ND	79	1600
2-Nitrophenol	ND	70	330
3,3'-Dichlorobenzidine	ND	78	660
3-Nitroaniline	ND	60	1600
4,6-Dinitro-2-methylphenol	ND	63	1600
4-Bromophenyl-phenylether	ND	73	330
4-Chloro-3-methylphenol	ND	75	660
4-Chloroaniline	ND	73	660
4-Chlorophenyl-phenylether	ND	70	330
4-Methylphenol	ND	79	330
4-Nitroaniline	ND	60	1600
4-Nitrophenol	ND	71	1600
Acenaphthene	ND	70	330
Acenaphthylene	ND	69	330
Anthracene	ND	76	330
Benzidine (M)	ND	71	1600
Benzo(a)anthracene	ND	69	330
Benzo(a)pyrene	ND	82	330
Benzo(b)fluoranthene	ND	70	330
Benzo(g,h,i)perylene	ND	71	330
Benzo(k)fluoranthene	ND	98	330
Benzoic acid	ND	64	1600
Benzyl alcohol	ND	86	660
Bis(2-chloroethoxy)methane	ND	79	330
Bis(2-chloroethyl)ether	ND	81	330
Bis(2-chloroisopropyl)ether	ND	91	330
Bis(2-ethylhexyl)phthalate	ND	72	330
Butylbenzylphthalate	ND	72	330
Chrysene	ND	79	330
Di-n-butylphthalate	ND	78	330
Di-n-octylphthalate	ND	71	330
Dibenz(a,h)anthracene	ND	83	330
Dibenzofuran	ND	68	330
Diethylphthalate	ND	74	330
Dimethylphthalate	ND	69	330

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
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ANALYTICAL RESULTS

Print Date: 01-May-09

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Lab Order: 105139
Project: 207126015
Lab ID: 105139-028A

Client Sample ID: 1001-111-20-S
Collection Date: 4/20/2009 2:25:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3550B

EPA 8270C

RunID: MS 13_090423A	QC Batch: 54926	PrepDate: 4/22/2009	Analyst: DMP
Fluoranthene	ND	73	330
Fluorene	ND	69	330
Hexachlorobenzene	ND	76	330
Hexachlorobutadiene	ND	77	660
Hexachlorocyclopentadiene	ND	80	660
Hexachloroethane	ND	81	330
Indeno(1,2,3-cd)pyrene	ND	69	330
Isophorone	ND	85	330
N-Nitrosodi-n-propylamine	ND	82	330
N-Nitrosodiphenylamine	ND	79	330
Naphthalene	ND	86	330
Nitrobenzene	ND	82	330
Pentachlorophenol	ND	55	1600
Phenanthrene	ND	76	330
Phenol	680	95	330
Pyrene	ND	77	330
Surr: 1,2-Dichlorobenzene-d4	91.0	0	49-103
Surr: 2,4,6-Tribromophenol	94.4	0	47-129
Surr: 2-Chlorophenol-d4	95.2	0	54-109
Surr: 2-Fluorobiphenyl	103	0	59-108
Surr: 2-Fluorophenol	92.8	0	50-111
Surr: 4-Terphenyl-d14	131	0	58-135
Surr: Nitrobenzene-d5	97.9	0	54-115
Surr: Phenol-d5	99.7	0	58-112

PH

EPA 9045C

RunID: WETCHEM_090421D	QC Batch: R108342	PrepDate:	Analyst: DDL
pH	8.0	0.10	0.10

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-028B

Client Sample ID: 1001-111-20-S
Collection Date: 4/20/2009 2:25:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS5_090422A	QC Batch: T09VS104	PrepDate: 4/22/2009	Analyst: HH
1,1,1,2-Tetrachloroethane	ND 0.99	5.2	µg/Kg 1 4/22/2009 01:48 PM
1,1,1-Trichloroethane	ND 1.4	5.2	µg/Kg 1 4/22/2009 01:48 PM
1,1,2,2-Tetrachloroethane	ND 3.2	5.2	µg/Kg 1 4/22/2009 01:48 PM
1,1,2-Trichloroethane	ND 1.3	5.2	µg/Kg 1 4/22/2009 01:48 PM
1,1-Dichloroethane	ND 0.63	5.2	µg/Kg 1 4/22/2009 01:48 PM
1,1-Dichloroethene	ND 0.47	5.2	µg/Kg 1 4/22/2009 01:48 PM
1,1-Dichloropropene	ND 2.2	5.2	µg/Kg 1 4/22/2009 01:48 PM
1,2,3-Trichlorobenzene	ND 3.9	5.2	µg/Kg 1 4/22/2009 01:48 PM
1,2,3-Trichloropropane	ND 2.4	5.2	µg/Kg 1 4/22/2009 01:48 PM
1,2,4-Trichlorobenzene	ND 2.4	5.2	µg/Kg 1 4/22/2009 01:48 PM
1,2,4-Trimethylbenzene	ND 1.1	5.2	µg/Kg 1 4/22/2009 01:48 PM
1,2-Dibromo-3-chloropropane	ND 3.3	10	µg/Kg 1 4/22/2009 01:48 PM
1,2-Dibromoethane	ND 1.0	5.2	µg/Kg 1 4/22/2009 01:48 PM
1,2-Dichlorobenzene	ND 2.2	5.2	µg/Kg 1 4/22/2009 01:48 PM
1,2-Dichloroethane	ND 1.9	5.2	µg/Kg 1 4/22/2009 01:48 PM
1,2-Dichloropropane	ND 1.6	5.2	µg/Kg 1 4/22/2009 01:48 PM
1,3,5-Trimethylbenzene	ND 0.81	5.2	µg/Kg 1 4/22/2009 01:48 PM
1,3-Dichlorobenzene	ND 1.7	5.2	µg/Kg 1 4/22/2009 01:48 PM
1,3-Dichloropropane	ND 0.33	5.2	µg/Kg 1 4/22/2009 01:48 PM
1,4-Dichlorobenzene	ND 1.9	5.2	µg/Kg 1 4/22/2009 01:48 PM
2,2-Dichloropropane	ND 0.50	5.2	µg/Kg 1 4/22/2009 01:48 PM
2-Chlorotoluene	ND 0.92	5.2	µg/Kg 1 4/22/2009 01:48 PM
4-Chlorotoluene	ND 1.2	5.2	µg/Kg 1 4/22/2009 01:48 PM
4-Isopropyltoluene	ND 1.1	5.2	µg/Kg 1 4/22/2009 01:48 PM
Benzene	ND 0.66	5.2	µg/Kg 1 4/22/2009 01:48 PM
Bromobenzene	ND 1.3	5.2	µg/Kg 1 4/22/2009 01:48 PM
Bromodichloromethane	ND 1.4	5.2	µg/Kg 1 4/22/2009 01:48 PM
Bromoform	ND 2.0	5.2	µg/Kg 1 4/22/2009 01:48 PM
Bromomethane	ND 0.70	5.2	µg/Kg 1 4/22/2009 01:48 PM
Carbon tetrachloride	ND 1.4	5.2	µg/Kg 1 4/22/2009 01:48 PM
Chlorobenzene	ND 0.67	5.2	µg/Kg 1 4/22/2009 01:48 PM
Chloroethane	ND 0.90	5.2	µg/Kg 1 4/22/2009 01:48 PM
Chloroform	ND 1.5	5.2	µg/Kg 1 4/22/2009 01:48 PM
Chloromethane	ND 0.39	5.2	µg/Kg 1 4/22/2009 01:48 PM
cis-1,2-Dichloroethene	ND 1.9	5.2	µg/Kg 1 4/22/2009 01:48 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-028B

Client Sample ID: 1001-111-20-S
Collection Date: 4/20/2009 2:25:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS5_090422A	QC Batch: T09VS104	PrepDate: 4/22/2009	Analyst: HH
cis-1,3-Dichloropropene	ND 0.78	5.2	µg/Kg 1 4/22/2009 01:48 PM
Dibromochloromethane	ND 0.75	5.2	µg/Kg 1 4/22/2009 01:48 PM
Dibromomethane	ND 1.2	5.2	µg/Kg 1 4/22/2009 01:48 PM
Dichlorodifluoromethane	ND 0.56	5.2	µg/Kg 1 4/22/2009 01:48 PM
Ethylbenzene	ND 0.33	5.2	µg/Kg 1 4/22/2009 01:48 PM
Hexachlorobutadiene	ND 2.3	5.2	µg/Kg 1 4/22/2009 01:48 PM
Isopropylbenzene	ND 0.59	5.2	µg/Kg 1 4/22/2009 01:48 PM
m,p-Xylene	ND 0.71	10	µg/Kg 1 4/22/2009 01:48 PM
Methylene chloride	ND 5.2	5.2	µg/Kg 1 4/22/2009 01:48 PM
n-Butylbenzene	ND 1.3	5.2	µg/Kg 1 4/22/2009 01:48 PM
n-Propylbenzene	ND 0.70	5.2	µg/Kg 1 4/22/2009 01:48 PM
Naphthalene	ND 2.6	5.2	µg/Kg 1 4/22/2009 01:48 PM
o-Xylene	ND 0.52	5.2	µg/Kg 1 4/22/2009 01:48 PM
sec-Butylbenzene	ND 1.1	5.2	µg/Kg 1 4/22/2009 01:48 PM
Styrene	ND 0.62	5.2	µg/Kg 1 4/22/2009 01:48 PM
tert-Butylbenzene	ND 1.1	5.2	µg/Kg 1 4/22/2009 01:48 PM
Tetrachloroethene	ND 1.1	5.2	µg/Kg 1 4/22/2009 01:48 PM
Toluene	ND 0.58	5.2	µg/Kg 1 4/22/2009 01:48 PM
trans-1,2-Dichloroethene	ND 0.55	5.2	µg/Kg 1 4/22/2009 01:48 PM
Trichloroethene	ND 1.6	5.2	µg/Kg 1 4/22/2009 01:48 PM
Trichlorofluoromethane	ND 0.57	5.2	µg/Kg 1 4/22/2009 01:48 PM
Vinyl chloride	ND 0.43	5.2	µg/Kg 1 4/22/2009 01:48 PM
Surr: 1,2-Dichloroethane-d4	110 0	68-147	%REC 1 4/22/2009 01:48 PM
Surr: 4-Bromofluorobenzene	98.1 0	67-127	%REC 1 4/22/2009 01:48 PM
Surr: Dibromofluoromethane	109 0	72-141	%REC 1 4/22/2009 01:48 PM
Surr: Toluene-d8	112 0	75-120	%REC 1 4/22/2009 01:48 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-028E

Client Sample ID: 1001-111-20-S
Collection Date: 4/20/2009 2:25:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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GASOLINE RANGE ORGANICS BY GC/FID

EPA 8015B(M)

RunID: GC2_090421C	QC Batch: E09VS106	PrepDate: 4/20/2009	Analyst: KHN		
GRO	ND 0.15	1.0	mg/Kg	1	4/22/2009 05:29 AM
Surr: Bromofluorobenzene (FID)	103 0	59-145	%REC	1	4/22/2009 05:29 AM

HYDROCARBON CHAIN IDENTIFICATION

EPA 8015B

RunID: GC2_090421C	QC Batch: E09VS106	PrepDate: 4/20/2009	Analyst: KHN		
T/R Hydrocarbons: C4-C12	ND 0.20	1.0	mg/Kg	1	4/22/2009 05:29 AM
Surr: Bromofluorobenzene (FID)	103 0	59-145	%REC	1	4/22/2009 05:29 AM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-029A

Client Sample ID: 1001-111-20D-S
Collection Date: 4/20/2009 2:25:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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ICP METALS

EPA 3050B

EPA 6010B

RunID:	ICP8_090424I	QC Batch:	54943	PrepDate:	4/23/2009	Analyst:	CL
Antimony	ND	0.28	2.0	mg/Kg	1	4/24/2009 08:59 PM	
Arsenic	ND	0.27	1.0	mg/Kg	1	4/24/2009 08:59 PM	
Barium	120	0.13	1.0	mg/Kg	1	4/24/2009 08:59 PM	
Beryllium	ND	0.055	1.0	mg/Kg	1	4/24/2009 08:59 PM	
Cadmium	ND	0.0064	1.0	mg/Kg	1	4/24/2009 08:59 PM	
Chromium	16	0.088	1.0	mg/Kg	1	4/24/2009 08:59 PM	
Cobalt	7.3	0.014	1.0	mg/Kg	1	4/24/2009 08:59 PM	
Copper	23	0.26	2.0	mg/Kg	1	4/24/2009 08:59 PM	
Lead	ND	0.11	1.0	mg/Kg	1	4/24/2009 08:59 PM	
Molybdenum	ND	0.043	1.0	mg/Kg	1	4/24/2009 08:59 PM	
Nickel	11	0.032	1.0	mg/Kg	1	4/24/2009 08:59 PM	
Selenium	ND	0.43	1.0	mg/Kg	1	4/24/2009 08:59 PM	
Silver	ND	0.017	1.0	mg/Kg	1	4/24/2009 08:59 PM	
Thallium	ND	0.23	1.0	mg/Kg	1	4/24/2009 08:59 PM	
Vanadium	47	0.019	1.0	mg/Kg	1	4/24/2009 08:59 PM	
Zinc	40	0.19	1.0	mg/Kg	1	4/24/2009 08:59 PM	

HEXAVALENT CHROMIUM

EPA 7196A

RunID:	WETCHEM3_090424D	QC Batch:	54997	PrepDate:	4/23/2009	Analyst:	CBB
Chromium, Hexavalent	ND	0.074	0.10	mg/Kg	1	4/24/2009	

DIESEL RANGE ORGANICS BY GC/FID LUFT

EPA 8015B(M)

RunID:	GC16_090423A	QC Batch:	54880	PrepDate:	4/21/2009	Analyst:	CBR
DRO	44	10	10	mg/Kg	1	4/25/2009 06:16 PM	
Surr: p-Terphenyl	97.2	0	57-144	%REC	1	4/25/2009 06:16 PM	

HYDROCARBON CHAIN IDENTIFICATION LUFT

EPA 8015B(M)

RunID:	GC16_090423A	QC Batch:	54880	PrepDate:	4/21/2009	Analyst:	CBR
T/R Hydrocarbons: C13-C22	23	10	10	mg/Kg	1	4/25/2009 06:16 PM	
T/R Hydrocarbons: C23-C32	24	10	10	mg/Kg	1	4/25/2009 06:16 PM	
T/R Hydrocarbons:>C32	14	10	10	mg/Kg	1	4/25/2009 06:16 PM	
Surr: p-Terphenyl	97.2	0	57-144	%REC	1	4/25/2009 06:16 PM	

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-029A

Client Sample ID: 1001-111-20D-S
Collection Date: 4/20/2009 2:25:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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PCBS BY GC/ECD

EPA 3550B				EPA 8082			
RunID: GC4_090423C	QC Batch: 54930			PrepDate:	4/22/2009	Analyst: BB	
Aroclor 1016	ND	5.0	16	µg/Kg	1	4/23/2009 09:26 PM	
Aroclor 1221	ND	5.0	33	µg/Kg	1	4/23/2009 09:26 PM	
Aroclor 1232	ND	5.0	16	µg/Kg	1	4/23/2009 09:26 PM	
Aroclor 1242	ND	5.0	16	µg/Kg	1	4/23/2009 09:26 PM	
Aroclor 1248	ND	5.0	16	µg/Kg	1	4/23/2009 09:26 PM	
Aroclor 1254	ND	5.0	16	µg/Kg	1	4/23/2009 09:26 PM	
Aroclor 1260	ND	5.0	16	µg/Kg	1	4/23/2009 09:26 PM	
Aroclor 1262	ND	5.0	16	µg/Kg	1	4/23/2009 09:26 PM	
Aroclor 1268	ND	5.0	16	µg/Kg	1	4/23/2009 09:26 PM	
Surr: Decachlorobiphenyl	92.6	0	30-124	%REC	1	4/23/2009 09:26 PM	
Surr: Tetrachloro-m-xylene	111	0	40-118	%REC	1	4/23/2009 09:26 PM	

MERCURY BY COLD VAPOR TECHNIQUE

EPA 7471A			
RunID: AA5_090422E	QC Batch: 54902		
Mercury	ND	0.021	0.10 mg/Kg
PrepDate:	4/22/2009	Analyst: RQ	
		1	4/22/2009 04:30 PM

SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3550B				EPA 8270C			
RunID: MS 13_090423A	QC Batch: 54926			PrepDate:	4/22/2009	Analyst: DMP	
1,2,4-Trichlorobenzene	ND	82	330	µg/Kg	1	4/24/2009 02:21 PM	
1,2-Dichlorobenzene	ND	85	330	µg/Kg	1	4/24/2009 02:21 PM	
1,3-Dichlorobenzene	ND	74	330	µg/Kg	1	4/24/2009 02:21 PM	
1,4-Dichlorobenzene	ND	78	330	µg/Kg	1	4/24/2009 02:21 PM	
2,4,5-Trichlorophenol	ND	56	330	µg/Kg	1	4/24/2009 02:21 PM	
2,4,6-Trichlorophenol	ND	78	330	µg/Kg	1	4/24/2009 02:21 PM	
2,4-Dichlorophenol	ND	87	1600	µg/Kg	1	4/24/2009 02:21 PM	
2,4-Dimethylphenol	ND	88	330	µg/Kg	1	4/24/2009 02:21 PM	
2,4-Dinitrophenol	ND	45	1600	µg/Kg	1	4/24/2009 02:21 PM	
2,4-Dinitrotoluene	ND	67	330	µg/Kg	1	4/24/2009 02:21 PM	
2,6-Dinitrotoluene	ND	67	330	µg/Kg	1	4/24/2009 02:21 PM	
2-Chloronaphthalene	ND	70	330	µg/Kg	1	4/24/2009 02:21 PM	
2-Chlorophenol	ND	89	330	µg/Kg	1	4/24/2009 02:21 PM	
2-Methylnaphthalene	ND	78	330	µg/Kg	1	4/24/2009 02:21 PM	
2-Methylphenol	ND	96	330	µg/Kg	1	4/24/2009 02:21 PM	

Qualifiers: B Analyte detected in the associated Method Blank E Value above quantitation range
H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit
S Spike/Surrogate outside of limits due to matrix interference Results are wet unless otherwise specified
DO Surrogate Diluted Out



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-029A

Client Sample ID: 1001-111-20D-S
Collection Date: 4/20/2009 2:25:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3550B

EPA 8270C

RunID: MS 13_090423A	QC Batch: 54926	PrepDate: 4/22/2009	Analyst: DMP
2-Nitroaniline	ND	79	1600
2-Nitrophenol	ND	70	330
3,3'-Dichlorobenzidine	ND	78	660
3-Nitroaniline	ND	60	1600
4,6-Dinitro-2-methylphenol	ND	63	1600
4-Bromophenyl-phenylether	ND	73	330
4-Chloro-3-methylphenol	ND	75	660
4-Chloroaniline	ND	73	660
4-Chlorophenyl-phenylether	ND	70	330
4-Methylphenol	ND	79	330
4-Nitroaniline	ND	60	1600
4-Nitrophenol	ND	71	1600
Acenaphthene	ND	70	330
Acenaphthylene	ND	69	330
Anthracene	ND	76	330
Benzidine (M)	ND	71	1600
Benzo(a)anthracene	ND	69	330
Benzo(a)pyrene	ND	82	330
Benzo(b)fluoranthene	ND	70	330
Benzo(g,h,i)perylene	ND	71	330
Benzo(k)fluoranthene	ND	98	330
Benzoic acid	ND	64	1600
Benzyl alcohol	ND	86	660
Bis(2-chloroethoxy)methane	ND	79	330
Bis(2-chloroethyl)ether	ND	81	330
Bis(2-chloroisopropyl)ether	ND	91	330
Bis(2-ethylhexyl)phthalate	ND	72	330
Butylbenzylphthalate	ND	72	330
Chrysene	ND	79	330
Di-n-butylphthalate	ND	78	330
Di-n-octylphthalate	ND	71	330
Dibenz(a,h)anthracene	ND	83	330
Dibenzofuran	ND	68	330
Diethylphthalate	ND	74	330
Dimethylphthalate	ND	69	330

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-029A

Client Sample ID: 1001-111-20D-S
Collection Date: 4/20/2009 2:25:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3550B

EPA 8270C

RunID: MS 13_090423A	QC Batch: 54926	PrepDate: 4/22/2009	Analyst: DMP
Fluoranthene	ND	73	330
Fluorene	ND	69	330
Hexachlorobenzene	ND	76	330
Hexachlorobutadiene	ND	77	660
Hexachlorocyclopentadiene	ND	80	660
Hexachloroethane	ND	81	330
Indeno(1,2,3-cd)pyrene	ND	69	330
Isophorone	ND	85	330
N-Nitrosodi-n-propylamine	ND	82	330
N-Nitrosodiphenylamine	ND	79	330
Naphthalene	ND	86	330
Nitrobenzene	ND	82	330
Pentachlorophenol	ND	55	1600
Phenanthrene	ND	76	330
Phenol	ND	95	330
Pyrene	ND	77	330
Surr: 1,2-Dichlorobenzene-d4	88.0	0	49-103
Surr: 2,4,6-Tribromophenol	86.5	0	47-129
Surr: 2-Chlorophenol-d4	92.5	0	54-109
Surr: 2-Fluorobiphenyl	101	0	59-108
Surr: 2-Fluorophenol	91.2	0	50-111
Surr: 4-Terphenyl-d14	130	0	58-135
Surr: Nitrobenzene-d5	95.4	0	54-115
Surr: Phenol-d5	95.6	0	58-112

PH

EPA 9045C

RunID: WETCHEM_090421D	QC Batch: R108342	PrepDate:	Analyst: DDL
pH	8.0	0.10	0.10

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-029B

Client Sample ID: 1001-111-20D-S
Collection Date: 4/20/2009 2:25:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS5_090422A	QC Batch: T09VS104	PrepDate: 4/22/2009	Analyst: HH
1,1,1,2-Tetrachloroethane	ND 1.0	5.3	µg/Kg 1 4/22/2009 02:07 PM
1,1,1-Trichloroethane	ND 1.4	5.3	µg/Kg 1 4/22/2009 02:07 PM
1,1,2,2-Tetrachloroethane	ND 3.3	5.3	µg/Kg 1 4/22/2009 02:07 PM
1,1,2-Trichloroethane	ND 1.3	5.3	µg/Kg 1 4/22/2009 02:07 PM
1,1-Dichloroethane	ND 0.65	5.3	µg/Kg 1 4/22/2009 02:07 PM
1,1-Dichloroethene	ND 0.48	5.3	µg/Kg 1 4/22/2009 02:07 PM
1,1-Dichloropropene	ND 2.2	5.3	µg/Kg 1 4/22/2009 02:07 PM
1,2,3-Trichlorobenzene	ND 4.0	5.3	µg/Kg 1 4/22/2009 02:07 PM
1,2,3-Trichloropropane	ND 2.4	5.3	µg/Kg 1 4/22/2009 02:07 PM
1,2,4-Trichlorobenzene	ND 2.5	5.3	µg/Kg 1 4/22/2009 02:07 PM
1,2,4-Trimethylbenzene	ND 1.1	5.3	µg/Kg 1 4/22/2009 02:07 PM
1,2-Dibromo-3-chloropropane	ND 3.3	11	µg/Kg 1 4/22/2009 02:07 PM
1,2-Dibromoethane	ND 1.0	5.3	µg/Kg 1 4/22/2009 02:07 PM
1,2-Dichlorobenzene	ND 2.2	5.3	µg/Kg 1 4/22/2009 02:07 PM
1,2-Dichloroethane	ND 2.0	5.3	µg/Kg 1 4/22/2009 02:07 PM
1,2-Dichloropropane	ND 1.6	5.3	µg/Kg 1 4/22/2009 02:07 PM
1,3,5-Trimethylbenzene	ND 0.83	5.3	µg/Kg 1 4/22/2009 02:07 PM
1,3-Dichlorobenzene	ND 1.8	5.3	µg/Kg 1 4/22/2009 02:07 PM
1,3-Dichloropropane	ND 0.34	5.3	µg/Kg 1 4/22/2009 02:07 PM
1,4-Dichlorobenzene	ND 1.9	5.3	µg/Kg 1 4/22/2009 02:07 PM
2,2-Dichloropropane	ND 0.51	5.3	µg/Kg 1 4/22/2009 02:07 PM
2-Chlorotoluene	ND 0.94	5.3	µg/Kg 1 4/22/2009 02:07 PM
4-Chlorotoluene	ND 1.2	5.3	µg/Kg 1 4/22/2009 02:07 PM
4-Isopropyltoluene	ND 1.2	5.3	µg/Kg 1 4/22/2009 02:07 PM
Benzene	ND 0.68	5.3	µg/Kg 1 4/22/2009 02:07 PM
Bromobenzene	ND 1.3	5.3	µg/Kg 1 4/22/2009 02:07 PM
Bromodichloromethane	ND 1.4	5.3	µg/Kg 1 4/22/2009 02:07 PM
Bromoform	ND 2.1	5.3	µg/Kg 1 4/22/2009 02:07 PM
Bromomethane	ND 0.72	5.3	µg/Kg 1 4/22/2009 02:07 PM
Carbon tetrachloride	ND 1.5	5.3	µg/Kg 1 4/22/2009 02:07 PM
Chlorobenzene	ND 0.69	5.3	µg/Kg 1 4/22/2009 02:07 PM
Chloroethane	ND 0.92	5.3	µg/Kg 1 4/22/2009 02:07 PM
Chloroform	ND 1.6	5.3	µg/Kg 1 4/22/2009 02:07 PM
Chloromethane	ND 0.40	5.3	µg/Kg 1 4/22/2009 02:07 PM
cis-1,2-Dichloroethene	ND 1.9	5.3	µg/Kg 1 4/22/2009 02:07 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



Advanced Technology
Laboratories

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Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-029B

Client Sample ID: 1001-111-20D-S
Collection Date: 4/20/2009 2:25:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS5_090422A	QC Batch: T09VS104	PrepDate: 4/22/2009	Analyst: HH
cis-1,3-Dichloropropene	ND 0.79	5.3	µg/Kg 1 4/22/2009 02:07 PM
Dibromochloromethane	ND 0.76	5.3	µg/Kg 1 4/22/2009 02:07 PM
Dibromomethane	ND 1.3	5.3	µg/Kg 1 4/22/2009 02:07 PM
Dichlorodifluoromethane	ND 0.57	5.3	µg/Kg 1 4/22/2009 02:07 PM
Ethylbenzene	ND 0.34	5.3	µg/Kg 1 4/22/2009 02:07 PM
Hexachlorobutadiene	ND 2.4	5.3	µg/Kg 1 4/22/2009 02:07 PM
Isopropylbenzene	ND 0.60	5.3	µg/Kg 1 4/22/2009 02:07 PM
m,p-Xylene	ND 0.73	11	µg/Kg 1 4/22/2009 02:07 PM
Methylene chloride	ND 5.3	5.3	µg/Kg 1 4/22/2009 02:07 PM
n-Butylbenzene	ND 1.3	5.3	µg/Kg 1 4/22/2009 02:07 PM
n-Propylbenzene	ND 0.72	5.3	µg/Kg 1 4/22/2009 02:07 PM
Naphthalene	ND 2.7	5.3	µg/Kg 1 4/22/2009 02:07 PM
o-Xylene	ND 0.53	5.3	µg/Kg 1 4/22/2009 02:07 PM
sec-Butylbenzene	ND 1.1	5.3	µg/Kg 1 4/22/2009 02:07 PM
Styrene	ND 0.64	5.3	µg/Kg 1 4/22/2009 02:07 PM
tert-Butylbenzene	ND 1.1	5.3	µg/Kg 1 4/22/2009 02:07 PM
Tetrachloroethene	ND 1.1	5.3	µg/Kg 1 4/22/2009 02:07 PM
Toluene	ND 0.59	5.3	µg/Kg 1 4/22/2009 02:07 PM
trans-1,2-Dichloroethene	ND 0.56	5.3	µg/Kg 1 4/22/2009 02:07 PM
Trichloroethene	ND 1.6	5.3	µg/Kg 1 4/22/2009 02:07 PM
Trichlorofluoromethane	ND 0.58	5.3	µg/Kg 1 4/22/2009 02:07 PM
Vinyl chloride	ND 0.44	5.3	µg/Kg 1 4/22/2009 02:07 PM
Surr: 1,2-Dichloroethane-d4	112 0	68-147	%REC 1 4/22/2009 02:07 PM
Surr: 4-Bromofluorobenzene	101 0	67-127	%REC 1 4/22/2009 02:07 PM
Surr: Dibromofluoromethane	114 0	72-141	%REC 1 4/22/2009 02:07 PM
Surr: Toluene-d8	120 0	75-120	%REC 1 4/22/2009 02:07 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-029E

Client Sample ID: 1001-111-20D-S
Collection Date: 4/20/2009 2:25:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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GASOLINE RANGE ORGANICS BY GC/FID

EPA 8015B(M)

RunID: GC2_090421C	QC Batch: E09VS106			PrepDate: 4/20/2009	Analyst: KHN
GRO	ND	0.15	1.0	mg/Kg	1 4/22/2009 05:45 AM
Surr: Bromofluorobenzene (FID)	117	0	59-145	%REC	1 4/22/2009 05:45 AM

HYDROCARBON CHAIN IDENTIFICATION

EPA 8015B

RunID: GC2_090421C	QC Batch: E09VS106			PrepDate: 4/20/2009	Analyst: KHN
T/R Hydrocarbons: C4-C12	ND	0.20	1.0	mg/Kg	1 4/22/2009 05:45 AM
Surr: Bromofluorobenzene (FID)	117	0	59-145	%REC	1 4/22/2009 05:45 AM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-030A

Client Sample ID: ERB-1
Collection Date: 4/20/2009 3:00:00 PM
Matrix: WATER

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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HEXAVALENT CHROMIUM

EPA 7196A

RunID: WETCHEM3_090421B	QC Batch: R108480				PrepDate: 4/21/2009	Analyst: MFP
Chromium, Hexavalent	ND	0.0086	0.010	mg/L	1	4/21/2009

PH

SM4500-H+B

RunID: PH4_090420A	QC Batch: R108439				PrepDate:	Analyst: FD
pH	6.5	0.10	0.10	H	pH Units	1
						4/20/2009

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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Advanced Technology Laboratories**ANALYTICAL RESULTS**

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-030B

Client Sample ID: ERB-1
Collection Date: 4/20/2009 3:00:00 PM
Matrix: WATER

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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ICP METALS**EPA 3010A****EPA 6010B**

RunID: ICP8_090423E	QC Batch: 54886	PrepDate: 4/21/2009	Analyst: CL			
Antimony	ND	0.0042	0.0050	mg/L	1	4/23/2009 05:42 PM
Arsenic	ND	0.0037	0.010	mg/L	1	4/23/2009 05:42 PM
Barium	0.0052	0.0010	0.0030	mg/L	1	4/23/2009 05:42 PM
Beryllium	ND	0.00086	0.0030	mg/L	1	4/23/2009 05:42 PM
Cadmium	ND	0.00072	0.0030	mg/L	1	4/23/2009 05:42 PM
Chromium	ND	0.00068	0.0030	mg/L	1	4/23/2009 05:42 PM
Cobalt	ND	0.00076	0.0030	mg/L	1	4/23/2009 05:42 PM
Copper	ND	0.0039	0.0050	mg/L	1	4/23/2009 05:42 PM
Lead	ND	0.0046	0.0050	mg/L	1	4/23/2009 05:42 PM
Molybdenum	0.022	0.0015	0.0050	mg/L	1	4/23/2009 05:42 PM
Nickel	ND	0.0010	0.0050	mg/L	1	4/23/2009 05:42 PM
Selenium	ND	0.0054	0.010	mg/L	1	4/23/2009 05:42 PM
Silver	ND	0.0010	0.0030	mg/L	1	4/24/2009 03:26 PM
Thallium	ND	0.0036	0.015	mg/L	1	4/23/2009 05:42 PM
Vanadium	ND	0.00049	0.0030	mg/L	1	4/23/2009 05:42 PM
Zinc	0.018	0.0023	0.010	mg/L	1	4/23/2009 05:42 PM

MERCURY BY COLD VAPOR TECHNIQUE**EPA 7470A**

RunID: AA5_090422B	QC Batch: 54884	PrepDate: 4/21/2009	Analyst: RQ			
Mercury	ND	0.046	0.20	µg/L	1	4/22/2009 11:38 AM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-030C

Client Sample ID: ERB-1
Collection Date: 4/20/2009 3:00:00 PM
Matrix: WATER

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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PCBS BY GC/ECD

EPA 3510C

EPA 8082

RunID: GC4_090423A	QC Batch: 54927	PrepDate: 4/22/2009	Analyst: BB			
Aroclor 1016	ND	0.20	0.50	µg/L	1	4/23/2009 12:30 PM
Aroclor 1221	ND	0.20	1.0	µg/L	1	4/23/2009 12:30 PM
Aroclor 1232	ND	0.20	0.50	µg/L	1	4/23/2009 12:30 PM
Aroclor 1242	ND	0.20	0.50	µg/L	1	4/23/2009 12:30 PM
Aroclor 1248	ND	0.20	0.50	µg/L	1	4/23/2009 12:30 PM
Aroclor 1254	ND	0.20	0.50	µg/L	1	4/23/2009 12:30 PM
Aroclor 1260	ND	0.20	0.50	µg/L	1	4/23/2009 12:30 PM
Aroclor 1262	ND	0.20	0.50	µg/L	1	4/23/2009 12:30 PM
Aroclor 1268	ND	0.20	0.50	µg/L	1	4/23/2009 12:30 PM
Surr: Decachlorobiphenyl	51.7	0	29-130	%REC	1	4/23/2009 12:30 PM
Surr: Tetrachloro-m-xylene	94.9	0	48-126	%REC	1	4/23/2009 12:30 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-030D

Client Sample ID: ERB-1
Collection Date: 4/20/2009 3:00:00 PM
Matrix: WATER

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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DIESEL RANGE ORGANICS BY GC/FID

EPA 3510C

EPA 8015B(M)

RunID: GC16_090423C	QC Batch: 54952			PrepDate: 4/23/2009	Analyst: CBR
DRO	ND	0.20	0.20	mg/L	1 4/23/2009 06:14 PM
Surr: p-Terphenyl	64.6	0	35-131	%REC	1 4/23/2009 06:14 PM

HYDROCARBON CHAIN IDENTIFICATION

EPA 3510C

EPA 8015B(M)

RunID: GC16_090423C	QC Batch: 54952			PrepDate: 4/23/2009	Analyst: CBR
T/R Hydrocarbons: C13-C22	ND	0.20	0.20	mg/L	1 4/23/2009 06:14 PM
T/R Hydrocarbons: C23-C32	ND	0.20	0.20	mg/L	1 4/23/2009 06:14 PM
T/R Hydrocarbons:>C32	ND	0.20	0.20	mg/L	1 4/23/2009 06:14 PM
Surr: p-Terphenyl	64.6	0	35-131	%REC	1 4/23/2009 06:14 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-030E

Client Sample ID: ERB-1
Collection Date: 4/20/2009 3:00:00 PM
Matrix: WATER

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3510C

EPA 8270C

RunID: MS6_090427A	QC Batch: 54957	PrepDate: 4/23/2009	Analyst: DMP			
1,2,4-Trichlorobenzene	ND	2.5	10	µg/L	1	4/27/2009 06:00 PM
1,2-Dichlorobenzene	ND	2.2	10	µg/L	1	4/27/2009 06:00 PM
1,3-Dichlorobenzene	ND	2.1	10	µg/L	1	4/27/2009 06:00 PM
1,4-Dichlorobenzene	ND	2.1	10	µg/L	1	4/27/2009 06:00 PM
2,4,5-Trichlorophenol	ND	2.6	10	µg/L	1	4/27/2009 06:00 PM
2,4,6-Trichlorophenol	ND	2.0	10	µg/L	1	4/27/2009 06:00 PM
2,4-Dichlorophenol	ND	2.5	10	µg/L	1	4/27/2009 06:00 PM
2,4-Dimethylphenol	ND	2.3	10	µg/L	1	4/27/2009 06:00 PM
2,4-Dinitrophenol	ND	1.6	50	µg/L	1	4/27/2009 06:00 PM
2,4-Dinitrotoluene	ND	2.1	10	µg/L	1	4/27/2009 06:00 PM
2,6-Dinitrotoluene	ND	2.8	10	µg/L	1	4/27/2009 06:00 PM
2-Chloronaphthalene	ND	2.2	10	µg/L	1	4/27/2009 06:00 PM
2-Chlorophenol	ND	2.5	10	µg/L	1	4/27/2009 06:00 PM
2-Methylnaphthalene	ND	2.5	10	µg/L	1	4/27/2009 06:00 PM
2-Methylphenol	ND	2.8	10	µg/L	1	4/27/2009 06:00 PM
2-Nitroaniline	ND	2.0	50	µg/L	1	4/27/2009 06:00 PM
2-Nitrophenol	ND	2.9	10	µg/L	1	4/27/2009 06:00 PM
3,3'-Dichlorobenzidine	ND	2.0	20	µg/L	1	4/27/2009 06:00 PM
3-Nitroaniline	ND	1.9	50	µg/L	1	4/27/2009 06:00 PM
4,6-Dinitro-2-methylphenol	ND	2.3	50	µg/L	1	4/27/2009 06:00 PM
4-Bromophenyl-phenylether	ND	2.0	10	µg/L	1	4/27/2009 06:00 PM
4-Chloro-3-methylphenol	ND	2.9	50	µg/L	1	4/27/2009 06:00 PM
4-Chloroaniline	ND	2.2	20	µg/L	1	4/27/2009 06:00 PM
4-Chlorophenyl-phenylether	ND	2.3	10	µg/L	1	4/27/2009 06:00 PM
4-Methylphenol	ND	2.1	10	µg/L	1	4/27/2009 06:00 PM
4-Nitroaniline	ND	2.2	20	µg/L	1	4/27/2009 06:00 PM
4-Nitrophenol	ND	1.2	50	µg/L	1	4/27/2009 06:00 PM
Acenaphthene	ND	2.3	10	µg/L	1	4/27/2009 06:00 PM
Acenaphthylene	ND	2.4	10	µg/L	1	4/27/2009 06:00 PM
Anthracene	ND	2.5	10	µg/L	1	4/27/2009 06:00 PM
Benzidine (M)	ND	2.0	50	µg/L	1	4/27/2009 06:00 PM
Benzo(a)anthracene	ND	2.3	10	µg/L	1	4/27/2009 06:00 PM
Benzo(a)pyrene	ND	2.4	10	µg/L	1	4/27/2009 06:00 PM
Benzo(b)fluoranthene	ND	3.3	10	µg/L	1	4/27/2009 06:00 PM
Benzo(g,h,i)perylene	ND	1.9	10	µg/L	1	4/27/2009 06:00 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-030E

Client Sample ID: ERB-1
Collection Date: 4/20/2009 3:00:00 PM
Matrix: WATER

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3510C

EPA 8270C

RunID: MS6_090427A	QC Batch: 54957	PrepDate: 4/23/2009	Analyst: DMP			
Benzo(k)fluoranthene	ND	2.1	10	µg/L	1	4/27/2009 06:00 PM
Benzoic acid	ND	1.5	50	µg/L	1	4/27/2009 06:00 PM
Benzyl alcohol	ND	2.1	20	µg/L	1	4/27/2009 06:00 PM
Bis(2-chloroethoxy)methane	ND	2.4	10	µg/L	1	4/27/2009 06:00 PM
Bis(2-chloroethyl)ether	ND	2.6	10	µg/L	1	4/27/2009 06:00 PM
Bis(2-chloroisopropyl)ether	ND	2.7	10	µg/L	1	4/27/2009 06:00 PM
Bis(2-ethylhexyl)phthalate	ND	2.8	10	µg/L	1	4/27/2009 06:00 PM
Butylbenzylphthalate	ND	2.5	10	µg/L	1	4/27/2009 06:00 PM
Chrysene	ND	2.1	10	µg/L	1	4/27/2009 06:00 PM
Di-n-butylphthalate	ND	2.8	10	µg/L	1	4/27/2009 06:00 PM
Di-n-octylphthalate	ND	2.9	10	µg/L	1	4/27/2009 06:00 PM
Dibenz(a,h)anthracene	ND	1.7	10	µg/L	1	4/27/2009 06:00 PM
Dibenzofuran	ND	2.4	10	µg/L	1	4/27/2009 06:00 PM
Diethylphthalate	ND	2.3	10	µg/L	1	4/27/2009 06:00 PM
Dimethylphthalate	ND	1.9	10	µg/L	1	4/27/2009 06:00 PM
Fluoranthene	ND	2.5	10	µg/L	1	4/27/2009 06:00 PM
Fluorene	ND	2.1	10	µg/L	1	4/27/2009 06:00 PM
Hexachlorobenzene	ND	2.3	10	µg/L	1	4/27/2009 06:00 PM
Hexachlorobutadiene	ND	2.6	20	µg/L	1	4/27/2009 06:00 PM
Hexachlorocyclopentadiene	ND	2.2	10	µg/L	1	4/27/2009 06:00 PM
Hexachloroethane	ND	2.3	10	µg/L	1	4/27/2009 06:00 PM
Indeno(1,2,3-cd)pyrene	ND	1.9	10	µg/L	1	4/27/2009 06:00 PM
Isophorone	ND	2.9	10	µg/L	1	4/27/2009 06:00 PM
N-Nitrosodi-n-propylamine	ND	3.4	10	µg/L	1	4/27/2009 06:00 PM
N-Nitrosodiphenylamine	ND	2.1	10	µg/L	1	4/27/2009 06:00 PM
Naphthalene	ND	2.4	10	µg/L	1	4/27/2009 06:00 PM
Nitrobenzene	ND	2.6	10	µg/L	1	4/27/2009 06:00 PM
Pentachlorophenol	ND	1.8	50	µg/L	1	4/27/2009 06:00 PM
Phenanthrene	ND	2.4	10	µg/L	1	4/27/2009 06:00 PM
Phenol	ND	1.4	10	µg/L	1	4/27/2009 06:00 PM
Pyrene	ND	2.5	10	µg/L	1	4/27/2009 06:00 PM
Surr: 1,2-Dichlorobenzene-d4	73.3	0	42-98	%REC	1	4/27/2009 06:00 PM
Surr: 2,4,6-Tribromophenol	90.0	0	60-128	%REC	1	4/27/2009 06:00 PM
Surr: 2-Chlorophenol-d4	69.4	0	43-102	%REC	1	4/27/2009 06:00 PM
Surr: 2-Fluorobiphenyl	84.1	0	50-108	%REC	1	4/27/2009 06:00 PM

Qualifiers: B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interference
DO Surrogate Diluted Out
E Value above quantitation range
ND Not Detected at the Reporting Limit
Results are wet unless otherwise specified



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-030E

Client Sample ID: ERB-1
Collection Date: 4/20/2009 3:00:00 PM
Matrix: WATER

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS							
EPA 3510C				EPA 8270C			
RunID: MS6_090427A	QC Batch: 54957		PrepDate: 4/23/2009		Analyst: DMP		
Surr: 2-Fluorophenol	41.8	0	22-69	%REC	1	4/27/2009 06:00 PM	
Surr: 4-Terphenyl-d14	108	0	66-130	%REC	1	4/27/2009 06:00 PM	
Surr: Nitrobenzene-d5	81.6	0	47-117	%REC	1	4/27/2009 06:00 PM	
Surr: Phenol-d5	27.9	0	16-50	%REC	1	4/27/2009 06:00 PM	

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference	Results are wet unless otherwise specified	
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-030F

Client Sample ID: ERB-1
Collection Date: 4/20/2009 3:00:00 PM
Matrix: WATER

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS2_090422A	QC Batch: Q09VW081	PrepDate:	Analyst: SLL			
1,1,1,2-Tetrachloroethane	ND	2.5	5.0	µg/L	1	4/22/2009 11:05 AM
1,1,1-Trichloroethane	ND	2.8	5.0	µg/L	1	4/22/2009 11:05 AM
1,1,2,2-Tetrachloroethane	ND	2.8	5.0	µg/L	1	4/22/2009 11:05 AM
1,1,2-Trichloroethane	ND	2.8	5.0	µg/L	1	4/22/2009 11:05 AM
1,1-Dichloroethane	ND	2.7	5.0	µg/L	1	4/22/2009 11:05 AM
1,1-Dichloroethene	ND	2.4	5.0	µg/L	1	4/22/2009 11:05 AM
1,1-Dichloropropene	ND	2.9	5.0	µg/L	1	4/22/2009 11:05 AM
1,2,3-Trichlorobenzene	ND	2.5	5.0	µg/L	1	4/22/2009 11:05 AM
1,2,3-Trichloropropane	ND	3.1	5.0	µg/L	1	4/22/2009 11:05 AM
1,2,4-Trichlorobenzene	ND	2.4	5.0	µg/L	1	4/22/2009 11:05 AM
1,2,4-Trimethylbenzene	ND	2.6	5.0	µg/L	1	4/22/2009 11:05 AM
1,2-Dibromo-3-chloropropane	ND	3.1	5.0	µg/L	1	4/22/2009 11:05 AM
1,2-Dibromoethane	ND	2.7	5.0	µg/L	1	4/22/2009 11:05 AM
1,2-Dichlorobenzene	ND	2.6	5.0	µg/L	1	4/22/2009 11:05 AM
1,2-Dichloroethane	ND	2.7	5.0	µg/L	1	4/22/2009 11:05 AM
1,2-Dichloropropane	ND	2.4	5.0	µg/L	1	4/22/2009 11:05 AM
1,3,5-Trimethylbenzene	ND	2.6	5.0	µg/L	1	4/22/2009 11:05 AM
1,3-Dichlorobenzene	ND	2.7	5.0	µg/L	1	4/22/2009 11:05 AM
1,3-Dichloropropane	ND	3.1	5.0	µg/L	1	4/22/2009 11:05 AM
1,4-Dichlorobenzene	ND	2.8	5.0	µg/L	1	4/22/2009 11:05 AM
2,2-Dichloropropane	ND	4.9	5.0	µg/L	1	4/22/2009 11:05 AM
2-Chlorotoluene	ND	2.6	5.0	µg/L	1	4/22/2009 11:05 AM
4-Chlorotoluene	ND	2.6	5.0	µg/L	1	4/22/2009 11:05 AM
4-Isopropyltoluene	ND	2.9	5.0	µg/L	1	4/22/2009 11:05 AM
Benzene	ND	2.6	5.0	µg/L	1	4/22/2009 11:05 AM
Bromobenzene	ND	2.4	5.0	µg/L	1	4/22/2009 11:05 AM
Bromodichloromethane	ND	2.5	5.0	µg/L	1	4/22/2009 11:05 AM
Bromoform	ND	2.7	5.0	µg/L	1	4/22/2009 11:05 AM
Bromomethane	ND	4.9	5.0	µg/L	1	4/22/2009 11:05 AM
Carbon tetrachloride	ND	2.9	5.0	µg/L	1	4/22/2009 11:05 AM
Chlorobenzene	ND	2.7	5.0	µg/L	1	4/22/2009 11:05 AM
Chloroethane	ND	2.8	5.0	µg/L	1	4/22/2009 11:05 AM
Chloroform	ND	2.8	5.0	µg/L	1	4/22/2009 11:05 AM
Chloromethane	ND	2.9	5.0	µg/L	1	4/22/2009 11:05 AM
cis-1,2-Dichloroethene	ND	2.7	5.0	µg/L	1	4/22/2009 11:05 AM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-030F

Client Sample ID: ERB-1
Collection Date: 4/20/2009 3:00:00 PM
Matrix: WATER

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS2_090422A	QC Batch: Q09VW081	PrepDate:	Analyst: SLL			
cis-1,3-Dichloropropene	ND	2.6	5.0	µg/L	1	4/22/2009 11:05 AM
Dibromochloromethane	ND	2.7	5.0	µg/L	1	4/22/2009 11:05 AM
Dibromomethane	ND	3.3	5.0	µg/L	1	4/22/2009 11:05 AM
Dichlorodifluoromethane	ND	2.8	5.0	µg/L	1	4/22/2009 11:05 AM
Ethylbenzene	ND	2.6	5.0	µg/L	1	4/22/2009 11:05 AM
Hexachlorobutadiene	ND	2.6	5.0	µg/L	1	4/22/2009 11:05 AM
Isopropylbenzene	ND	2.5	5.0	µg/L	1	4/22/2009 11:05 AM
m,p-Xylene	ND	5.4	10	µg/L	1	4/22/2009 11:05 AM
Methylene chloride	ND	5.0	5.0	µg/L	1	4/22/2009 11:05 AM
n-Butylbenzene	ND	2.8	5.0	µg/L	1	4/22/2009 11:05 AM
n-Propylbenzene	ND	2.7	5.0	µg/L	1	4/22/2009 11:05 AM
Naphthalene	ND	2.4	5.0	µg/L	1	4/22/2009 11:05 AM
o-Xylene	ND	2.7	5.0	µg/L	1	4/22/2009 11:05 AM
sec-Butylbenzene	ND	2.8	5.0	µg/L	1	4/22/2009 11:05 AM
Styrene	ND	2.5	5.0	µg/L	1	4/22/2009 11:05 AM
tert-Butylbenzene	ND	2.7	5.0	µg/L	1	4/22/2009 11:05 AM
Tetrachloroethene	ND	3.0	5.0	µg/L	1	4/22/2009 11:05 AM
Toluene	ND	2.6	5.0	µg/L	1	4/22/2009 11:05 AM
trans-1,2-Dichloroethene	ND	2.2	5.0	µg/L	1	4/22/2009 11:05 AM
Trichloroethene	ND	2.6	5.0	µg/L	1	4/22/2009 11:05 AM
Trichlorofluoromethane	ND	2.8	5.0	µg/L	1	4/22/2009 11:05 AM
Vinyl chloride	ND	3.1	5.0	µg/L	1	4/22/2009 11:05 AM
Surr: 1,2-Dichloroethane-d4	98.1	0	70-130	%REC	1	4/22/2009 11:05 AM
Surr: 4-Bromofluorobenzene	113	0	70-130	%REC	1	4/22/2009 11:05 AM
Surr: Dibromofluoromethane	107	0	70-130	%REC	1	4/22/2009 11:05 AM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-030G

Client Sample ID: ERB-1
Collection Date: 4/20/2009 3:00:00 PM
Matrix: WATER

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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GASOLINE RANGE ORGANICS BY GC/FID

EPA 8015B(M)

RunID: GC1_090423A	QC Batch: D09VW067	PrepDate:	Analyst: BD		
GRO	ND 0.050	0.20	mg/L	1	4/23/2009 06:46 PM
Surr: Bromofluorobenzene (FID)	100 0	71-130	%REC	1	4/23/2009 06:46 PM

HYDROCARBON CHAIN IDENTIFICATION

EPA 8015B

RunID: GC1_090423A	QC Batch: D09VW067	PrepDate:	Analyst: BD		
T/R Hydrocarbons: C4-C12	ND 0.050	0.20	mg/L	1	4/23/2009 06:46 PM
Surr: Bromofluorobenzene (FID)	100 0	71-130	%REC	1	4/23/2009 06:46 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-031A

Client Sample ID: TRIP Blank
Collection Date: 4/20/2009
Matrix: WATER

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS2_090422A	QC Batch: Q09VW081	PrepDate:	Analyst: SLL			
1,1,1,2-Tetrachloroethane	ND	2.5	5.0	µg/L	1	4/22/2009 10:00 AM
1,1,1-Trichloroethane	ND	2.8	5.0	µg/L	1	4/22/2009 10:00 AM
1,1,2,2-Tetrachloroethane	ND	2.8	5.0	µg/L	1	4/22/2009 10:00 AM
1,1,2-Trichloroethane	ND	2.8	5.0	µg/L	1	4/22/2009 10:00 AM
1,1-Dichloroethane	ND	2.7	5.0	µg/L	1	4/22/2009 10:00 AM
1,1-Dichloroethene	ND	2.4	5.0	µg/L	1	4/22/2009 10:00 AM
1,1-Dichloropropene	ND	2.9	5.0	µg/L	1	4/22/2009 10:00 AM
1,2,3-Trichlorobenzene	ND	2.5	5.0	µg/L	1	4/22/2009 10:00 AM
1,2,3-Trichloropropane	ND	3.1	5.0	µg/L	1	4/22/2009 10:00 AM
1,2,4-Trichlorobenzene	ND	2.4	5.0	µg/L	1	4/22/2009 10:00 AM
1,2,4-Trimethylbenzene	ND	2.6	5.0	µg/L	1	4/22/2009 10:00 AM
1,2-Dibromo-3-chloropropane	ND	3.1	5.0	µg/L	1	4/22/2009 10:00 AM
1,2-Dibromoethane	ND	2.7	5.0	µg/L	1	4/22/2009 10:00 AM
1,2-Dichlorobenzene	ND	2.6	5.0	µg/L	1	4/22/2009 10:00 AM
1,2-Dichloroethane	ND	2.7	5.0	µg/L	1	4/22/2009 10:00 AM
1,2-Dichloropropane	ND	2.4	5.0	µg/L	1	4/22/2009 10:00 AM
1,3,5-Trimethylbenzene	ND	2.6	5.0	µg/L	1	4/22/2009 10:00 AM
1,3-Dichlorobenzene	ND	2.7	5.0	µg/L	1	4/22/2009 10:00 AM
1,3-Dichloropropane	ND	3.1	5.0	µg/L	1	4/22/2009 10:00 AM
1,4-Dichlorobenzene	ND	2.8	5.0	µg/L	1	4/22/2009 10:00 AM
2,2-Dichloropropane	ND	4.9	5.0	µg/L	1	4/22/2009 10:00 AM
2-Chlorotoluene	ND	2.6	5.0	µg/L	1	4/22/2009 10:00 AM
4-Chlorotoluene	ND	2.6	5.0	µg/L	1	4/22/2009 10:00 AM
4-Isopropyltoluene	ND	2.9	5.0	µg/L	1	4/22/2009 10:00 AM
Benzene	ND	2.6	5.0	µg/L	1	4/22/2009 10:00 AM
Bromobenzene	ND	2.4	5.0	µg/L	1	4/22/2009 10:00 AM
Bromodichloromethane	ND	2.5	5.0	µg/L	1	4/22/2009 10:00 AM
Bromoform	ND	2.7	5.0	µg/L	1	4/22/2009 10:00 AM
Bromomethane	ND	4.9	5.0	µg/L	1	4/22/2009 10:00 AM
Carbon tetrachloride	ND	2.9	5.0	µg/L	1	4/22/2009 10:00 AM
Chlorobenzene	ND	2.7	5.0	µg/L	1	4/22/2009 10:00 AM
Chloroethane	ND	2.8	5.0	µg/L	1	4/22/2009 10:00 AM
Chloroform	ND	2.8	5.0	µg/L	1	4/22/2009 10:00 AM
Chloromethane	ND	2.9	5.0	µg/L	1	4/22/2009 10:00 AM
cis-1,2-Dichloroethene	ND	2.7	5.0	µg/L	1	4/22/2009 10:00 AM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-031A

Client Sample ID: TRIP Blank
Collection Date: 4/20/2009
Matrix: WATER

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS2_090422A	QC Batch: Q09VW081	PrepDate:	Analyst: SLL			
cis-1,3-Dichloropropene	ND	2.6	5.0	µg/L	1	4/22/2009 10:00 AM
Dibromochloromethane	ND	2.7	5.0	µg/L	1	4/22/2009 10:00 AM
Dibromomethane	ND	3.3	5.0	µg/L	1	4/22/2009 10:00 AM
Dichlorodifluoromethane	ND	2.8	5.0	µg/L	1	4/22/2009 10:00 AM
Ethylbenzene	ND	2.6	5.0	µg/L	1	4/22/2009 10:00 AM
Hexachlorobutadiene	ND	2.6	5.0	µg/L	1	4/22/2009 10:00 AM
Isopropylbenzene	ND	2.5	5.0	µg/L	1	4/22/2009 10:00 AM
m,p-Xylene	ND	5.4	10	µg/L	1	4/22/2009 10:00 AM
Methylene chloride	ND	5.0	5.0	µg/L	1	4/22/2009 10:00 AM
n-Butylbenzene	ND	2.8	5.0	µg/L	1	4/22/2009 10:00 AM
n-Propylbenzene	ND	2.7	5.0	µg/L	1	4/22/2009 10:00 AM
Naphthalene	ND	2.4	5.0	µg/L	1	4/22/2009 10:00 AM
o-Xylene	ND	2.7	5.0	µg/L	1	4/22/2009 10:00 AM
sec-Butylbenzene	ND	2.8	5.0	µg/L	1	4/22/2009 10:00 AM
Styrene	ND	2.5	5.0	µg/L	1	4/22/2009 10:00 AM
tert-Butylbenzene	ND	2.7	5.0	µg/L	1	4/22/2009 10:00 AM
Tetrachloroethene	ND	3.0	5.0	µg/L	1	4/22/2009 10:00 AM
Toluene	ND	2.6	5.0	µg/L	1	4/22/2009 10:00 AM
trans-1,2-Dichloroethene	ND	2.2	5.0	µg/L	1	4/22/2009 10:00 AM
Trichloroethene	ND	2.6	5.0	µg/L	1	4/22/2009 10:00 AM
Trichlorofluoromethane	ND	2.8	5.0	µg/L	1	4/22/2009 10:00 AM
Vinyl chloride	ND	3.1	5.0	µg/L	1	4/22/2009 10:00 AM
Surr: 1,2-Dichloroethane-d4	89.2	0	70-130	%REC	1	4/22/2009 10:00 AM
Surr: 4-Bromofluorobenzene	110	0	70-130	%REC	1	4/22/2009 10:00 AM
Surr: Dibromofluoromethane	99.1	0	70-130	%REC	1	4/22/2009 10:00 AM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-032A

Client Sample ID: 1001-104-20-S
Collection Date: 4/20/2009 12:10:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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ICP METALS

EPA 3050B

EPA 6010B

RunID:	ICP8_090424I	QC Batch:	54943	PrepDate:	4/23/2009	Analyst:	CL
Antimony	ND	0.28	2.0	mg/Kg	1	4/24/2009 09:02 PM	
Arsenic	ND	0.27	1.0	mg/Kg	1	4/24/2009 09:02 PM	
Barium	140	0.13	1.0	mg/Kg	1	4/24/2009 09:02 PM	
Beryllium	ND	0.055	1.0	mg/Kg	1	4/24/2009 09:02 PM	
Cadmium	ND	0.0064	1.0	mg/Kg	1	4/24/2009 09:02 PM	
Chromium	19	0.088	1.0	mg/Kg	1	4/24/2009 09:02 PM	
Cobalt	8.3	0.014	1.0	mg/Kg	1	4/24/2009 09:02 PM	
Copper	21	0.26	2.0	mg/Kg	1	4/24/2009 09:02 PM	
Lead	ND	0.11	1.0	mg/Kg	1	4/24/2009 09:02 PM	
Molybdenum	ND	0.043	1.0	mg/Kg	1	4/24/2009 09:02 PM	
Nickel	14	0.032	1.0	mg/Kg	1	4/24/2009 09:02 PM	
Selenium	ND	0.43	1.0	mg/Kg	1	4/24/2009 09:02 PM	
Silver	ND	0.017	1.0	mg/Kg	1	4/24/2009 09:02 PM	
Thallium	ND	0.23	1.0	mg/Kg	1	4/24/2009 09:02 PM	
Vanadium	47	0.019	1.0	mg/Kg	1	4/24/2009 09:02 PM	
Zinc	47	0.19	1.0	mg/Kg	1	4/24/2009 09:02 PM	

HEXAVALENT CHROMIUM

EPA 7196A

RunID:	WETCHEM3_090424D	QC Batch:	54997	PrepDate:	4/23/2009	Analyst:	CBB
Chromium, Hexavalent	ND	0.074	0.10	mg/Kg	1	4/24/2009	

DIESEL RANGE ORGANICS BY GC/FID LUFT

EPA 8015B(M)

RunID:	GC8_090430A	QC Batch:	54920	PrepDate:	4/22/2009	Analyst:	CBR
DRO	ND	10	10	mg/Kg	1	4/30/2009 01:25 PM	
Surr: p-Terphenyl	110	0	57-144	%REC	1	4/30/2009 01:25 PM	

HYDROCARBON CHAIN IDENTIFICATION LUFT

EPA 8015B(M)

RunID:	GC8_090430A	QC Batch:	54920	PrepDate:	4/22/2009	Analyst:	CBR
T/R Hydrocarbons: C13-C22	ND	10	10	mg/Kg	1	4/30/2009 01:25 PM	
T/R Hydrocarbons: C23-C32	ND	10	10	mg/Kg	1	4/30/2009 01:25 PM	
T/R Hydrocarbons:>C32	ND	10	10	mg/Kg	1	4/30/2009 01:25 PM	
Surr: p-Terphenyl	110	0	57-144	%REC	1	4/30/2009 01:25 PM	

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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Advanced Technology Laboratories**ANALYTICAL RESULTS**

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-032A

Client Sample ID: 1001-104-20-S
Collection Date: 4/20/2009 12:10:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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PCBS BY GC/ECD**EPA 3550B****EPA 8082**

RunID: GC4_090423C	QC Batch: 54930			PrepDate: 4/22/2009	Analyst: BB
Aroclor 1016	ND	5.0	16	µg/Kg	1 4/23/2009 04:58 PM
Aroclor 1221	ND	5.0	33	µg/Kg	1 4/23/2009 04:58 PM
Aroclor 1232	ND	5.0	16	µg/Kg	1 4/23/2009 04:58 PM
Aroclor 1242	ND	5.0	16	µg/Kg	1 4/23/2009 04:58 PM
Aroclor 1248	ND	5.0	16	µg/Kg	1 4/23/2009 04:58 PM
Aroclor 1254	ND	5.0	16	µg/Kg	1 4/23/2009 04:58 PM
Aroclor 1260	ND	5.0	16	µg/Kg	1 4/23/2009 04:58 PM
Aroclor 1262	ND	5.0	16	µg/Kg	1 4/23/2009 04:58 PM
Aroclor 1268	ND	5.0	16	µg/Kg	1 4/23/2009 04:58 PM
Surr: Decachlorobiphenyl	88.5	0	30-124	%REC	1 4/23/2009 04:58 PM
Surr: Tetrachloro-m-xylene	106	0	40-118	%REC	1 4/23/2009 04:58 PM

MERCURY BY COLD VAPOR TECHNIQUE**EPA 7471A**

RunID: AA5_090422E	QC Batch: 54902			PrepDate: 4/22/2009	Analyst: RQ
Mercury	ND	0.021	0.10	mg/Kg	1 4/22/2009 04:06 PM

SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS**EPA 3550B****EPA 8270C**

RunID: MS 13_090423A	QC Batch: 54926			PrepDate: 4/22/2009	Analyst: DMP
1,2,4-Trichlorobenzene	ND	82	330	µg/Kg	1 4/23/2009 04:10 PM
1,2-Dichlorobenzene	ND	85	330	µg/Kg	1 4/23/2009 04:10 PM
1,3-Dichlorobenzene	ND	74	330	µg/Kg	1 4/23/2009 04:10 PM
1,4-Dichlorobenzene	ND	78	330	µg/Kg	1 4/23/2009 04:10 PM
2,4,5-Trichlorophenol	ND	56	330	µg/Kg	1 4/23/2009 04:10 PM
2,4,6-Trichlorophenol	ND	78	330	µg/Kg	1 4/23/2009 04:10 PM
2,4-Dichlorophenol	ND	87	1600	µg/Kg	1 4/23/2009 04:10 PM
2,4-Dimethylphenol	ND	88	330	µg/Kg	1 4/23/2009 04:10 PM
2,4-Dinitrophenol	ND	45	1600	µg/Kg	1 4/23/2009 04:10 PM
2,4-Dinitrotoluene	ND	67	330	µg/Kg	1 4/23/2009 04:10 PM
2,6-Dinitrotoluene	ND	67	330	µg/Kg	1 4/23/2009 04:10 PM
2-Chloronaphthalene	ND	70	330	µg/Kg	1 4/23/2009 04:10 PM
2-Chlorophenol	ND	89	330	µg/Kg	1 4/23/2009 04:10 PM
2-Methylnaphthalene	ND	78	330	µg/Kg	1 4/23/2009 04:10 PM
2-Methylphenol	ND	96	330	µg/Kg	1 4/23/2009 04:10 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-032A

Client Sample ID: 1001-104-20-S
Collection Date: 4/20/2009 12:10:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3550B

EPA 8270C

RunID: MS 13_090423A	QC Batch: 54926	PrepDate: 4/22/2009	Analyst: DMP
2-Nitroaniline	ND	79	1600
2-Nitrophenol	ND	70	330
3,3'-Dichlorobenzidine	ND	78	660
3-Nitroaniline	ND	60	1600
4,6-Dinitro-2-methylphenol	ND	63	1600
4-Bromophenyl-phenylether	ND	73	330
4-Chloro-3-methylphenol	ND	75	660
4-Chloroaniline	ND	73	660
4-Chlorophenyl-phenylether	ND	70	330
4-Methylphenol	ND	79	330
4-Nitroaniline	ND	60	1600
4-Nitrophenol	ND	71	1600
Acenaphthene	ND	70	330
Acenaphthylene	ND	69	330
Anthracene	ND	76	330
Benzidine (M)	ND	71	1600
Benzo(a)anthracene	ND	69	330
Benzo(a)pyrene	ND	82	330
Benzo(b)fluoranthene	ND	70	330
Benzo(g,h,i)perylene	ND	71	330
Benzo(k)fluoranthene	ND	98	330
Benzoic acid	ND	64	1600
Benzyl alcohol	ND	86	660
Bis(2-chloroethoxy)methane	ND	79	330
Bis(2-chloroethyl)ether	ND	81	330
Bis(2-chloroisopropyl)ether	ND	91	330
Bis(2-ethylhexyl)phthalate	ND	72	330
Butylbenzylphthalate	ND	72	330
Chrysene	ND	79	330
Di-n-butylphthalate	ND	78	330
Di-n-octylphthalate	ND	71	330
Dibenz(a,h)anthracene	ND	83	330
Dibenzofuran	ND	68	330
Diethylphthalate	ND	74	330
Dimethylphthalate	ND	69	330

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-032A

Client Sample ID: 1001-104-20-S
Collection Date: 4/20/2009 12:10:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3550B

EPA 8270C

RunID: MS 13_090423A	QC Batch: 54926	PrepDate: 4/22/2009	Analyst: DMP
Fluoranthene	ND 73	330	µg/Kg 1 4/23/2009 04:10 PM
Fluorene	ND 69	330	µg/Kg 1 4/23/2009 04:10 PM
Hexachlorobenzene	ND 76	330	µg/Kg 1 4/23/2009 04:10 PM
Hexachlorobutadiene	ND 77	660	µg/Kg 1 4/23/2009 04:10 PM
Hexachlorocyclopentadiene	ND 80	660	µg/Kg 1 4/23/2009 04:10 PM
Hexachloroethane	ND 81	330	µg/Kg 1 4/23/2009 04:10 PM
Indeno(1,2,3-cd)pyrene	ND 69	330	µg/Kg 1 4/23/2009 04:10 PM
Isophorone	ND 85	330	µg/Kg 1 4/23/2009 04:10 PM
N-Nitrosodi-n-propylamine	ND 82	330	µg/Kg 1 4/23/2009 04:10 PM
N-Nitrosodiphenylamine	ND 79	330	µg/Kg 1 4/23/2009 04:10 PM
Naphthalene	ND 86	330	µg/Kg 1 4/23/2009 04:10 PM
Nitrobenzene	ND 82	330	µg/Kg 1 4/23/2009 04:10 PM
Pentachlorophenol	ND 55	1600	µg/Kg 1 4/23/2009 04:10 PM
Phenanthrene	ND 76	330	µg/Kg 1 4/23/2009 04:10 PM
Phenol	ND 95	330	µg/Kg 1 4/23/2009 04:10 PM
Pyrene	ND 77	330	µg/Kg 1 4/23/2009 04:10 PM
Surr: 1,2-Dichlorobenzene-d4	82.7 0	49-103	%REC 1 4/23/2009 04:10 PM
Surr: 2,4,6-Tribromophenol	91.4 0	47-129	%REC 1 4/23/2009 04:10 PM
Surr: 2-Chlorophenol-d4	90.8 0	54-109	%REC 1 4/23/2009 04:10 PM
Surr: 2-Fluorobiphenyl	95.1 0	59-108	%REC 1 4/23/2009 04:10 PM
Surr: 2-Fluorophenol	90.1 0	50-111	%REC 1 4/23/2009 04:10 PM
Surr: 4-Terphenyl-d14	123 0	58-135	%REC 1 4/23/2009 04:10 PM
Surr: Nitrobenzene-d5	90.3 0	54-115	%REC 1 4/23/2009 04:10 PM
Surr: Phenol-d5	94.0 0	58-112	%REC 1 4/23/2009 04:10 PM

PH

EPA 9045C

RunID: WETCHEM_090421D	QC Batch: R108342	PrepDate:	Analyst: DDL
pH	7.8 0.10	0.10	pH Units 1 4/21/2009

Qualifiers:	B Analyte detected in the associated Method Blank	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	ND Not Detected at the Reporting Limit
	S Spike/Surrogate outside of limits due to matrix interference	Results are wet unless otherwise specified
	DO Surrogate Diluted Out	



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-032B

Client Sample ID: 1001-104-20-S
Collection Date: 4/20/2009 12:10:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS5_090422A	QC Batch: T09VS104	PrepDate: 4/22/2009	Analyst: HH
1,1,1,2-Tetrachloroethane	ND	0.87	4.6
1,1,1-Trichloroethane	ND	1.2	4.6
1,1,2,2-Tetrachloroethane	ND	2.8	4.6
1,1,2-Trichloroethane	ND	1.1	4.6
1,1-Dichloroethane	ND	0.56	4.6
1,1-Dichloroethene	ND	0.41	4.6
1,1-Dichloropropene	ND	1.9	4.6
1,2,3-Trichlorobenzene	ND	3.4	4.6
1,2,3-Trichloropropane	ND	2.1	4.6
1,2,4-Trichlorobenzene	ND	2.1	4.6
1,2,4-Trimethylbenzene	ND	0.95	4.6
1,2-Dibromo-3-chloropropane	ND	2.9	9.1
1,2-Dibromoethane	ND	0.88	4.6
1,2-Dichlorobenzene	ND	1.9	4.6
1,2-Dichloroethane	ND	1.7	4.6
1,2-Dichloropropane	ND	1.4	4.6
1,3,5-Trimethylbenzene	ND	0.71	4.6
1,3-Dichlorobenzene	ND	1.5	4.6
1,3-Dichloropropane	ND	0.29	4.6
1,4-Dichlorobenzene	ND	1.6	4.6
2,2-Dichloropropane	ND	0.44	4.6
2-Chlorotoluene	ND	0.81	4.6
4-Chlorotoluene	ND	1.0	4.6
4-Isopropyltoluene	ND	1.0	4.6
Benzene	ND	0.58	4.6
Bromobenzene	ND	1.2	4.6
Bromodichloromethane	ND	1.2	4.6
Bromoform	ND	1.8	4.6
Bromomethane	ND	0.62	4.6
Carbon tetrachloride	ND	1.3	4.6
Chlorobenzene	ND	0.59	4.6
Chloroethane	ND	0.79	4.6
Chloroform	ND	1.3	4.6
Chloromethane	ND	0.35	4.6
cis-1,2-Dichloroethene	ND	1.6	4.6

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-032B

Client Sample ID: 1001-104-20-S
Collection Date: 4/20/2009 12:10:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS5_090422A	QC Batch: T09VS104	PrepDate: 4/22/2009	Analyst: HH
cis-1,3-Dichloropropene	ND 0.68	4.6	µg/Kg 1 4/22/2009 02:27 PM
Dibromochloromethane	ND 0.66	4.6	µg/Kg 1 4/22/2009 02:27 PM
Dibromomethane	ND 1.1	4.6	µg/Kg 1 4/22/2009 02:27 PM
Dichlorodifluoromethane	ND 0.49	4.6	µg/Kg 1 4/22/2009 02:27 PM
Ethylbenzene	ND 0.29	4.6	µg/Kg 1 4/22/2009 02:27 PM
Hexachlorobutadiene	ND 2.0	4.6	µg/Kg 1 4/22/2009 02:27 PM
Isopropylbenzene	ND 0.52	4.6	µg/Kg 1 4/22/2009 02:27 PM
m,p-Xylene	ND 0.63	9.1	µg/Kg 1 4/22/2009 02:27 PM
Methylene chloride	ND 4.6	4.6	µg/Kg 1 4/22/2009 02:27 PM
n-Butylbenzene	ND 1.1	4.6	µg/Kg 1 4/22/2009 02:27 PM
n-Propylbenzene	ND 0.62	4.6	µg/Kg 1 4/22/2009 02:27 PM
Naphthalene	ND 2.3	4.6	µg/Kg 1 4/22/2009 02:27 PM
o-Xylene	ND 0.46	4.6	µg/Kg 1 4/22/2009 02:27 PM
sec-Butylbenzene	ND 0.95	4.6	µg/Kg 1 4/22/2009 02:27 PM
Styrene	ND 0.55	4.6	µg/Kg 1 4/22/2009 02:27 PM
tert-Butylbenzene	ND 0.95	4.6	µg/Kg 1 4/22/2009 02:27 PM
Tetrachloroethene	ND 0.96	4.6	µg/Kg 1 4/22/2009 02:27 PM
Toluene	ND 0.51	4.6	µg/Kg 1 4/22/2009 02:27 PM
trans-1,2-Dichloroethene	ND 0.48	4.6	µg/Kg 1 4/22/2009 02:27 PM
Trichloroethene	ND 1.4	4.6	µg/Kg 1 4/22/2009 02:27 PM
Trichlorofluoromethane	ND 0.50	4.6	µg/Kg 1 4/22/2009 02:27 PM
Vinyl chloride	ND 0.38	4.6	µg/Kg 1 4/22/2009 02:27 PM
Surr: 1,2-Dichloroethane-d4	115 0	68-147	%REC 1 4/22/2009 02:27 PM
Surr: 4-Bromofluorobenzene	105 0	67-127	%REC 1 4/22/2009 02:27 PM
Surr: Dibromofluoromethane	112 0	72-141	%REC 1 4/22/2009 02:27 PM
Surr: Toluene-d8	116 0	75-120	%REC 1 4/22/2009 02:27 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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Advanced Technology Laboratories**ANALYTICAL RESULTS**

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-032E

Client Sample ID: 1001-104-20-S
Collection Date: 4/20/2009 12:10:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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GASOLINE RANGE ORGANICS BY GC/FID**EPA 8015B(M)**

RunID: GC2_090421C	QC Batch: E09VS106			PrepDate: 4/20/2009	Analyst: KHN	
GRO	ND	0.13	0.90	mg/Kg	1	4/22/2009 06:00 AM
Surr: Bromofluorobenzene (FID)	117	0	59-145	%REC	1	4/22/2009 06:00 AM

HYDROCARBON CHAIN IDENTIFICATION**EPA 8015B**

RunID: GC2_090421C	QC Batch: E09VS106			PrepDate: 4/20/2009	Analyst: KHN	
T/R Hydrocarbons: C4-C12	ND	0.18	0.90	mg/Kg	1	4/22/2009 06:00 AM
Surr: Bromofluorobenzene (FID)	117	0	59-145	%REC	1	4/22/2009 06:00 AM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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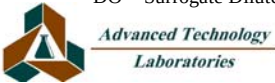
CLIENT: Ninyo & Moore
Work Order: 105139
Project: 207126015

ANALYTICAL QC SUMMARY REPORT
TestCode: 150.1_4500H+B_W

Sample ID: 104986-013ADUP		SampType: DUP		TestCode: 150.1_4500H		Units: pH Units		Prep Date:		RunNo: 108439	
Client ID: ZZZZZZ		Batch ID: R108439		TestNo: SM4500-H+B		Analysis Date: 4/20/2009		SeqNo: 1701388			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	5.340	0.10						5.350	0.187	10	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



CLIENT: Ninyo & Moore
Work Order: 105139
Project: 207126015

ANALYTICAL QC SUMMARY REPORT

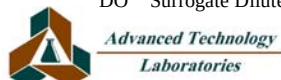
TestCode: 6010_S

Sample ID: MB-54941		SampType: MBLK		TestCode: 6010_S		Units: mg/Kg		Prep Date: 4/23/2009		RunNo: 108529		
Client ID: PBS		Batch ID: 54941		TestNo: EPA 6010B		EPA 3050B		Analysis Date: 4/27/2009		SeqNo: 1703138		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony		ND	2.0									
Arsenic		ND	1.0									
Barium		ND	1.0									
Beryllium		ND	1.0									
Cadmium		ND	1.0									
Chromium		ND	1.0									
Cobalt		ND	1.0									
Copper		ND	2.0									
Lead		ND	1.0									
Molybdenum		ND	1.0									
Nickel		ND	1.0									
Selenium		ND	1.0									
Silver		ND	1.0									
Thallium		ND	1.0									
Vanadium		ND	1.0									
Zinc		0.345	1.0									

Sample ID: LCS-54941	SampType: LCS	TestCode: 6010_S	Units: mg/Kg	Prep Date: 4/23/2009	RunNo: 108529						
Client ID: LCSS	Batch ID: 54941	TestNo: EPA 6010B	EPA 3050B	Analysis Date: 4/27/2009	SeqNo: 1703139						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	57.355	2.0	50.00	0	115	80	120				
Arsenic	56.706	1.0	50.00	0	113	80	120				
Barium	56.516	1.0	50.00	0	113	80	120				
Beryllium	55.885	1.0	50.00	0	112	80	120				
Cadmium	57.877	1.0	50.00	0	116	80	120				
Chromium	51.452	1.0	50.00	0	103	80	120				
Cobalt	57.600	1.0	50.00	0	115	80	120				
Copper	55.422	2.0	50.00	0	111	80	120				
Lead	56.515	1.0	50.00	0	113	80	120				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



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CLIENT: Ninyo & Moore
Work Order: 105139
Project: 207126015

ANALYTICAL QC SUMMARY REPORT

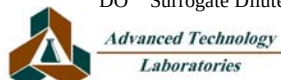
TestCode: 6010_S

Sample ID: LCS-54941	SampType: LCS	TestCode: 6010_S	Units: mg/Kg	Prep Date: 4/23/2009	RunNo: 108529						
Client ID: LCSS	Batch ID: 54941	TestNo: EPA 6010B	EPA 3050B	Analysis Date: 4/27/2009	SeqNo: 1703139						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Molybdenum	56.283	1.0	50.00	0	113	80	120				
Nickel	55.672	1.0	50.00	0	111	80	120				
Selenium	56.721	1.0	50.00	0	113	80	120				
Silver	55.458	1.0	50.00	0	111	80	120				
Thallium	50.063	1.0	50.00	0	100	80	120				
Vanadium	56.044	1.0	50.00	0	112	80	120				
Zinc	57.757	1.0	50.00	0.3448	115	80	120				

Sample ID: 105139-010ADUP		SampType: DUP		TestCode: 6010_S		Units: mg/Kg		Prep Date: 4/23/2009		RunNo: 108529		
Client ID: 1001-112-5-S		Batch ID: 54941		TestNo: EPA 6010B		EPA 3050B		Analysis Date: 4/27/2009		SeqNo: 1703150		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony		ND	2.0						0	0	20	
Arsenic		ND	1.0						0.3171	0	20	
Barium		110.098	1.0						117.8	6.77	20	
Beryllium		ND	1.0						0	0	20	
Cadmium		0.303	1.0						0.3654	0	20	
Chromium		12.927	1.0						16.07	21.7	20	R
Cobalt		5.296	1.0						6.748	24.1	20	R
Copper		12.721	2.0						16.34	24.9	20	R
Lead		0.243	1.0						0.4423	0	20	
Molybdenum		ND	1.0						0	0	20	
Nickel		9.142	1.0						11.56	23.4	20	R
Selenium		ND	1.0						0	0	20	
Silver		ND	1.0						0	0	20	
Thallium		ND	1.0						0	0	20	
Vanadium		34.842	1.0						42.87	20.7	20	R
Zinc		29.959	1.0						37.78	23.1	20	R

Qualifiers:

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DO	Surrogate Diluted Out		Calculations are based on raw values		



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CLIENT: Ninyo & Moore
Work Order: 105139
Project: 207126015

ANALYTICAL QC SUMMARY REPORT

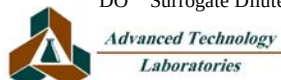
TestCode: 6010_S

Sample ID: 105139-010AMS	SampType: MS	TestCode: 6010_S	Units: mg/Kg	Prep Date: 4/23/2009	RunNo: 108529						
Client ID: 1001-112-5-S	Batch ID: 54941	TestNo: EPA 6010B	EPA 3050B	Analysis Date: 4/27/2009	SeqNo: 1703151						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	81.655	2.0	125.0	0	65.3	25	106				
Arsenic	95.133	1.0	125.0	0.3171	75.9	42	113				
Barium	209.839	1.0	125.0	117.8	73.6	19	140				
Beryllium	99.342	1.0	125.0	0	79.5	50	109				
Cadmium	97.044	1.0	125.0	0.3654	77.3	48	106				
Chromium	106.133	1.0	125.0	16.07	72.1	44	116				
Cobalt	105.905	1.0	125.0	6.748	79.3	47	107				
Copper	124.636	2.0	125.0	16.34	86.6	49	124				
Lead	93.157	1.0	125.0	0.4423	74.2	33	120				
Molybdenum	97.939	1.0	125.0	0	78.4	46	111				
Nickel	109.081	1.0	125.0	11.56	78.0	43	111				
Selenium	93.034	1.0	125.0	0	74.4	43	104				
Silver	104.869	1.0	125.0	0	83.9	53	114				
Thallium	87.981	1.0	125.0	0	70.4	41	107				
Vanadium	144.299	1.0	125.0	42.87	81.1	48	116				
Zinc	129.871	1.0	125.0	37.78	73.7	24	129				

Sample ID: 105139-010AMSD		SampType: MSD	TestCode: 6010_S		Units: mg/Kg	Prep Date: 4/23/2009			RunNo: 108529		
Client ID: 1001-112-5-S		Batch ID: 54941	TestNo: EPA 6010B		EPA 3050B	Analysis Date: 4/27/2009			SeqNo: 1703152		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	86.838	2.0	125.0	0	69.5	25	106	81.65	6.15	20	
Arsenic	99.025	1.0	125.0	0.3171	79.0	42	113	95.13	4.01	20	
Barium	200.444	1.0	125.0	117.8	66.1	19	140	209.8	4.58	20	
Beryllium	103.528	1.0	125.0	0	82.8	50	109	99.34	4.13	20	
Cadmium	101.224	1.0	125.0	0.3654	80.7	48	106	97.04	4.22	20	
Chromium	107.500	1.0	125.0	16.07	73.1	44	116	106.1	1.28	20	
Cobalt	110.032	1.0	125.0	6.748	82.6	47	107	105.9	3.82	20	
Copper	126.074	2.0	125.0	16.34	87.8	49	124	124.6	1.15	20	
Lead	98.394	1.0	125.0	0.4423	78.4	33	120	93.16	5.47	20	

Qualifiers:

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CLIENT: Ninyo & Moore
Work Order: 105139
Project: 207126015

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: 105139-010AMSD		SampType: MSD	TestCode: 6010_S		Units: mg/Kg		Prep Date: 4/23/2009			RunNo: 108529	
Client ID: 1001-112-5-S		Batch ID: 54941	TestNo: EPA 6010B		EPA 3050B		Analysis Date: 4/27/2009			SeqNo: 1703152	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Molybdenum	102.782	1.0	125.0	0	82.2	46	111	97.94	4.83	20	
Nickel	112.959	1.0	125.0	11.56	81.1	43	111	109.1	3.49	20	
Selenium	97.583	1.0	125.0	0	78.1	43	104	93.03	4.77	20	
Silver	108.719	1.0	125.0	0	87.0	53	114	104.9	3.61	20	
Thallium	92.710	1.0	125.0	0	74.2	41	107	87.98	5.23	20	
Vanadium	142.838	1.0	125.0	42.87	80.0	48	116	144.3	1.02	20	
Zinc	132.364	1.0	125.0	37.78	75.7	24	129	129.9	1.90	20	

Qualifiers:

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ANALYTICAL QC SUMMARY REPORT

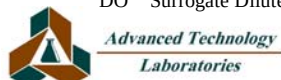
TestCode: 6010_S

Sample ID: MB-54942		SampType: MBLK		TestCode: 6010_S		Units: mg/Kg		Prep Date: 4/23/2009		RunNo: 108502		
Client ID: PBS		Batch ID: 54942		TestNo: EPA 6010B		EPA 3050B		Analysis Date: 4/24/2009		SeqNo: 1702686		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony		ND	2.0									
Arsenic		ND	1.0									
Barium		ND	1.0									
Beryllium		ND	1.0									
Cadmium		0.013	1.0									
Chromium		0.100	1.0									
Cobalt		ND	1.0									
Copper		ND	2.0									
Lead		0.175	1.0									
Molybdenum		ND	1.0									
Nickel		ND	1.0									
Selenium		ND	1.0									
Silver		ND	1.0									
Thallium		ND	1.0									
Vanadium		0.030	1.0									
Zinc		0.222	1.0									

Sample ID: LCS-54942		SampType: LCS		TestCode: 6010_S		Units: mg/Kg		Prep Date: 4/23/2009		RunNo: 108502		
Client ID: LCSS		Batch ID: 54942		TestNo: EPA 6010B		EPA 3050B		Analysis Date: 4/24/2009		SeqNo: 1702687		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony		47.820	2.0	50.00	0	95.6	80	120				
Arsenic		44.859	1.0	50.00	0	89.7	80	120				
Barium		47.492	1.0	50.00	0	95.0	80	120				
Beryllium		46.637	1.0	50.00	0	93.3	80	120				
Cadmium		47.466	1.0	50.00	0.01251	94.9	80	120				
Chromium		43.115	1.0	50.00	0.09983	86.0	80	120				
Cobalt		47.837	1.0	50.00	0	95.7	80	120				
Copper		46.996	2.0	50.00	0	94.0	80	120				
Lead		48.838	1.0	50.00	0.1747	97.3	80	120				

Qualifiers:

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Work Order: 105139
Project: 207126015

ANALYTICAL QC SUMMARY REPORT

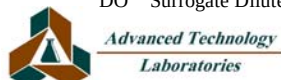
TestCode: 6010_S

Sample ID: LCS-54942		SampType: LCS	TestCode: 6010_S		Units: mg/Kg	Prep Date: 4/23/2009			RunNo: 108502			
Client ID: LCSS	Batch ID: 54942		TestNo: EPA 6010B		EPA 3050B	Analysis Date: 4/24/2009			SeqNo: 1702687			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Molybdenum		45.771	1.0	50.00	0	91.5	80	120				
Nickel		46.167	1.0	50.00	0	92.3	80	120				
Selenium		46.394	1.0	50.00	0	92.8	80	120				
Silver		47.286	1.0	50.00	0	94.6	80	120				
Thallium		43.039	1.0	50.00	0	86.1	80	120				
Vanadium		47.420	1.0	50.00	0.02971	94.8	80	120				
Zinc		46.920	1.0	50.00	0.2223	93.4	80	120				

Sample ID: 105139-020ADUP		SampType: DUP		TestCode: 6010_S		Units: mg/Kg		Prep Date: 4/23/2009		RunNo: 108502		
Client ID: 1001-105-2-S		Batch ID: 54942		TestNo: EPA 6010B		EPA 3050B		Analysis Date: 4/24/2009		SeqNo: 1702698		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony		0.712	2.0						0.5777	0	20	
Arsenic		ND	1.0						0	0	20	
Barium		167.213	1.0						176.6	5.46	20	
Beryllium		ND	1.0						0	0	20	
Cadmium		0.691	1.0						0.7222	0	20	
Chromium		25.165	1.0						25.02	0.560	20	
Cobalt		9.408	1.0						10.16	7.64	20	
Copper		26.640	2.0						28.82	7.85	20	
Lead		5.424	1.0						4.123	27.2	20	R
Molybdenum		ND	1.0						0	0	20	
Nickel		19.068	1.0						19.10	0.191	20	
Selenium		ND	1.0						0	0	20	
Silver		ND	1.0						0	0	20	
Thallium		ND	1.0						0	0	20	
Vanadium		53.019	1.0						56.91	7.07	20	
Zinc		99.702	1.0						96.32	3.45	20	

Qualifiers:

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ANALYTICAL QC SUMMARY REPORT

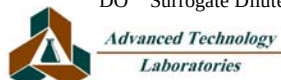
TestCode: 6010_S

Sample ID: 105139-020AMS	SampType: MS	TestCode: 6010_S	Units: mg/Kg	Prep Date: 4/23/2009	RunNo: 108502						
Client ID: 1001-105-2-S	Batch ID: 54942	TestNo: EPA 6010B	EPA 3050B	Analysis Date: 4/24/2009	SeqNo: 1702699						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	69.025	2.0	125.0	0.5777	54.8	25	106				
Arsenic	88.661	1.0	125.0	0	70.9	42	113				
Barium	278.288	1.0	125.0	176.6	81.3	19	140				
Beryllium	92.256	1.0	125.0	0	73.8	50	109				
Cadmium	89.974	1.0	125.0	0.7222	71.4	48	106				
Chromium	111.430	1.0	125.0	25.02	69.1	44	116				
Cobalt	102.967	1.0	125.0	10.16	74.2	47	107				
Copper	136.213	2.0	125.0	28.82	85.9	49	124				
Lead	94.345	1.0	125.0	4.123	72.2	33	120				
Molybdenum	91.931	1.0	125.0	0	73.5	46	111				
Nickel	110.916	1.0	125.0	19.10	73.4	43	111				
Selenium	89.940	1.0	125.0	0	72.0	43	104				
Silver	102.466	1.0	125.0	0	82.0	53	114				
Thallium	77.144	1.0	125.0	0	61.7	41	107				
Vanadium	157.337	1.0	125.0	56.91	80.3	48	116				
Zinc	174.773	1.0	125.0	96.32	62.8	24	129				

Sample ID: 105139-020AMSD	SampType: MSD	TestCode: 6010_S	Units: mg/Kg	Prep Date: 4/23/2009	RunNo: 108502						
Client ID: 1001-105-2-S	Batch ID: 54942	TestNo: EPA 6010B	EPA 3050B	Analysis Date: 4/24/2009	SeqNo: 1702700						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	62.432	2.0	125.0	0.5777	49.5	25	106	69.03	10.0	20	
Arsenic	87.897	1.0	125.0	0	70.3	42	113	88.66	0.867	20	
Barium	285.325	1.0	125.0	176.6	87.0	19	140	278.3	2.50	20	
Beryllium	90.460	1.0	125.0	0	72.4	50	109	92.26	1.97	20	
Cadmium	88.040	1.0	125.0	0.7222	69.9	48	106	89.97	2.17	20	
Chromium	112.262	1.0	125.0	25.02	69.8	44	116	111.4	0.744	20	
Cobalt	101.691	1.0	125.0	10.16	73.2	47	107	103.0	1.25	20	
Copper	137.578	2.0	125.0	28.82	87.0	49	124	136.2	0.997	20	
Lead	93.810	1.0	125.0	4.123	71.7	33	120	94.35	0.569	20	

Qualifiers:

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Work Order: 105139
Project: 207126015

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: 105139-020AMSD		SampType: MSD	TestCode: 6010_S		Units: mg/Kg	Prep Date: 4/23/2009			RunNo: 108502		
Client ID:	1001-105-2-S	Batch ID: 54942	TestNo: EPA 6010B		EPA 3050B	Analysis Date: 4/24/2009			SeqNo: 1702700		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Molybdenum	91.078	1.0	125.0	0	72.9	46	111	91.93	0.932	20	
Nickel	111.353	1.0	125.0	19.10	73.8	43	111	110.9	0.393	20	
Selenium	88.382	1.0	125.0	0	70.7	43	104	89.94	1.75	20	
Silver	101.064	1.0	125.0	0	80.9	53	114	102.5	1.38	20	
Thallium	75.890	1.0	125.0	0	60.7	41	107	77.14	1.64	20	
Vanadium	160.305	1.0	125.0	56.91	82.7	48	116	157.3	1.87	20	
Zinc	177.930	1.0	125.0	96.32	65.3	24	129	174.8	1.79	20	

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ANALYTICAL QC SUMMARY REPORT

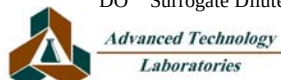
TestCode: 6010_S

Sample ID: MB-54943		SampType: MBLK		TestCode: 6010_S		Units: mg/Kg		Prep Date: 4/23/2009		RunNo: 108503		
Client ID: PBS		Batch ID: 54943		TestNo: EPA 6010B		EPA 3050B		Analysis Date: 4/24/2009		SeqNo: 1702715		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony		ND	2.0									
Arsenic		ND	1.0									
Barium		ND	1.0									
Beryllium		ND	1.0									
Cadmium		0.008	1.0									
Chromium		0.093	1.0									
Cobalt		ND	1.0									
Copper		ND	2.0									
Lead		0.153	1.0									
Molybdenum		ND	1.0									
Nickel		ND	1.0									
Selenium		ND	1.0									
Silver		0.019	1.0									
Thallium		ND	1.0									
Vanadium		0.038	1.0									
Zinc		ND	1.0									

Sample ID: LCS-54943		SampType: LCS	TestCode: 6010_S		Units: mg/Kg	Prep Date: 4/23/2009			RunNo: 108503		
Client ID: LCSS	Batch ID: 54943		TestNo: EPA 6010B		EPA 3050B	Analysis Date: 4/24/2009			SeqNo: 1702716		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	48.496	2.0	50.00	0	97.0	80	120				
Arsenic	44.591	1.0	50.00	0	89.2	80	120				
Barium	48.182	1.0	50.00	0	96.4	80	120				
Beryllium	47.421	1.0	50.00	0	94.8	80	120				
Cadmium	48.136	1.0	50.00	0.008295	96.3	80	120				
Chromium	44.002	1.0	50.00	0.09326	87.8	80	120				
Cobalt	48.399	1.0	50.00	0	96.8	80	120				
Copper	47.821	2.0	50.00	0	95.6	80	120				
Lead	50.574	1.0	50.00	0.1527	101	80	120				

Qualifiers:

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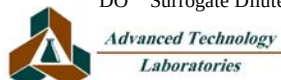
TestCode: 6010_S

Sample ID: LCS-54943		SampType: LCS	TestCode: 6010_S		Units: mg/Kg	Prep Date: 4/23/2009			RunNo: 108503		
Client ID: LCSS	Batch ID: 54943		TestNo: EPA 6010B		EPA 3050B	Analysis Date: 4/24/2009			SeqNo: 1702716		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Molybdenum	46.458	1.0	50.00	0	92.9	80	120				
Nickel	46.993	1.0	50.00	0	94.0	80	120				
Selenium	46.767	1.0	50.00	0	93.5	80	120				
Silver	48.140	1.0	50.00	0.01912	96.2	80	120				
Thallium	43.547	1.0	50.00	0	87.1	80	120				
Vanadium	48.404	1.0	50.00	0.03816	96.7	80	120				
Zinc	47.697	1.0	50.00	0	95.4	80	120				

Sample ID: 105139-032ADUP		SampType: DUP		TestCode: 6010_S		Units: mg/Kg		Prep Date: 4/23/2009		RunNo: 108503		
Client ID: 1001-104-20-S		Batch ID: 54943		TestNo: EPA 6010B		EPA 3050B		Analysis Date: 4/24/2009		SeqNo: 1702727		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony		0.545	2.0						0.5525	0	20	
Arsenic		ND	1.0						0	0	20	
Barium		167.889	1.0						137.0	20.2	20	R
Beryllium		ND	1.0						0	0	20	
Cadmium		0.636	1.0						0.5076	0	20	
Chromium		23.257	1.0						19.21	19.1	20	
Cobalt		10.000	1.0						8.330	18.2	20	
Copper		25.480	2.0						20.73	20.5	20	R
Lead		0.468	1.0						0.6158	0	20	
Molybdenum		ND	1.0						0	0	20	
Nickel		17.148	1.0						13.89	21.0	20	R
Selenium		ND	1.0						0	0	20	
Silver		ND	1.0						0	0	20	
Thallium		ND	1.0						0	0	20	
Vanadium		56.665	1.0						46.66	19.4	20	
Zinc		55.575	1.0						46.64	17.5	20	

Qualifiers:

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DO	Surrogate Diluted Out		Calculations are based on raw values		



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CLIENT: Ninyo & Moore
Work Order: 105139
Project: 207126015

ANALYTICAL QC SUMMARY REPORT

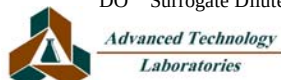
TestCode: 6010_S

Sample ID: 105139-032AMS	SampType: MS	TestCode: 6010_S	Units: mg/Kg	Prep Date: 4/23/2009	RunNo: 108503						
Client ID: 1001-104-20-S	Batch ID: 54943	TestNo: EPA 6010B	EPA 3050B	Analysis Date: 4/24/2009	SeqNo: 1702728						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	63.853	2.0	125.0	0.5525	50.6	25	106				
Arsenic	85.039	1.0	125.0	0	68.0	42	113				
Barium	238.477	1.0	125.0	137.0	81.2	19	140				
Beryllium	87.751	1.0	125.0	0	70.2	50	109				
Cadmium	85.175	1.0	125.0	0.5076	67.7	48	106				
Chromium	101.613	1.0	125.0	19.21	65.9	44	116				
Cobalt	96.843	1.0	125.0	8.330	70.8	47	107				
Copper	122.012	2.0	125.0	20.73	81.0	49	124				
Lead	86.298	1.0	125.0	0.6158	68.5	33	120				
Molybdenum	87.113	1.0	125.0	0	69.7	46	111				
Nickel	102.369	1.0	125.0	13.89	70.8	43	111				
Selenium	84.801	1.0	125.0	0	67.8	43	104				
Silver	94.931	1.0	125.0	0	75.9	53	114				
Thallium	74.787	1.0	125.0	0	59.8	41	107				
Vanadium	143.623	1.0	125.0	46.66	77.6	48	116				
Zinc	137.641	1.0	125.0	46.64	72.8	24	129				

Sample ID: 105139-032AMSD	SampType: MSD	TestCode: 6010_S		Units: mg/Kg	Prep Date: 4/23/2009			RunNo: 108503			
Client ID: 1001-104-20-S	Batch ID: 54943	TestNo: EPA 6010B		EPA 3050B	Analysis Date: 4/24/2009			SeqNo: 1702729			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	63.172	2.0	125.0	0.5525	50.1	25	106	63.85	1.07	20	
Arsenic	85.686	1.0	125.0	0	68.5	42	113	85.04	0.757	20	
Barium	239.409	1.0	125.0	137.0	81.9	19	140	238.5	0.390	20	
Beryllium	88.244	1.0	125.0	0	70.6	50	109	87.75	0.561	20	
Cadmium	86.345	1.0	125.0	0.5076	68.7	48	106	85.17	1.37	20	
Chromium	101.567	1.0	125.0	19.21	65.9	44	116	101.6	0.0457	20	
Cobalt	97.019	1.0	125.0	8.330	71.0	47	107	96.84	0.181	20	
Copper	123.099	2.0	125.0	20.73	81.9	49	124	122.0	0.886	20	
Lead	85.049	1.0	125.0	0.6158	67.5	33	120	86.30	1.46	20	

Qualifiers:

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Work Order: 105139
Project: 207126015

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: 105139-032AMSD		SampType: MSD	TestCode: 6010_S		Units: mg/Kg	Prep Date: 4/23/2009			RunNo: 108503		
Client ID: 1001-104-20-S		Batch ID: 54943	TestNo: EPA 6010B		EPA 3050B	Analysis Date: 4/24/2009			SeqNo: 1702729		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Molybdenum	87.718	1.0	125.0	0	70.2	46	111	87.11	0.691	20	
Nickel	102.375	1.0	125.0	13.89	70.8	43	111	102.4	0.00590	20	
Selenium	84.814	1.0	125.0	0	67.9	43	104	84.80	0.0159	20	
Silver	96.012	1.0	125.0	0	76.8	53	114	94.93	1.13	20	
Thallium	75.548	1.0	125.0	0	60.4	41	107	74.79	1.01	20	
Vanadium	142.887	1.0	125.0	46.66	77.0	48	116	143.6	0.514	20	
Zinc	136.110	1.0	125.0	46.64	71.6	24	129	137.6	1.12	20	

Qualifiers:

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ANALYTICAL QC SUMMARY REPORT

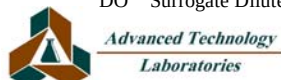
TestCode: 6010_W

Sample ID: MB-54886	SampType: MBLK	TestCode: 6010_W	Units: mg/L	Prep Date: 4/21/2009	RunNo: 108442						
Client ID: PBW	Batch ID: 54886	TestNo: EPA 6010B	EPA 3010A	Analysis Date: 4/23/2009	SeqNo: 1701499						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	0.0050									
Arsenic	ND	0.010									
Barium	ND	0.0030									
Beryllium	ND	0.0030									
Cadmium	ND	0.0030									
Chromium	ND	0.0030									
Cobalt	ND	0.0030									
Copper	ND	0.0050									
Lead	ND	0.0050									
Molybdenum	ND	0.0050									
Nickel	ND	0.0050									
Selenium	ND	0.010									
Thallium	ND	0.015									
Vanadium	ND	0.0030									
Zinc	ND	0.010									

Sample ID: LCS-54886		SampType: LCS		TestCode: 6010_W		Units: mg/L		Prep Date: 4/21/2009		RunNo: 108442		
Client ID: LCSW		Batch ID: 54886		TestNo: EPA 6010B		EPA 3010A		Analysis Date: 4/23/2009		SeqNo: 1701500		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony		0.976	0.0050	1.000	0	97.6	85	115				
Arsenic		0.935	0.010	1.000	0	93.5	85	115				
Barium		0.947	0.0030	1.000	0	94.7	85	115				
Beryllium		0.941	0.0030	1.000	0	94.1	85	115				
Cadmium		0.957	0.0030	1.000	0	95.7	85	115				
Chromium		0.859	0.0030	1.000	0	85.9	85	115				
Cobalt		0.959	0.0030	1.000	0	95.9	85	115				
Copper		0.936	0.0050	1.000	0	93.6	85	115				
Lead		0.900	0.0050	1.000	0	90.0	85	115				
Molybdenum		0.934	0.0050	1.000	0	93.4	85	115				

Qualifiers:

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TestCode: 6010_W

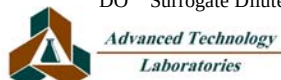
Sample ID: LCS-54886		SampType: LCS	TestCode: 6010_W		Units: mg/L	Prep Date: 4/21/2009			RunNo: 108442		
Client ID: LCSW	Batch ID: 54886		TestNo: EPA 6010B		EPA 3010A	Analysis Date: 4/23/2009			SeqNo: 1701500		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nickel	0.920	0.0050	1.000	0	92.0	85	115				
Selenium	0.934	0.010	1.000	0	93.4	85	115				
Thallium	0.865	0.015	1.000	0	86.5	85	115				
Vanadium	0.941	0.0030	1.000	0	94.1	85	115				
Zinc	0.945	0.010	1.000	0	94.5	85	115				

Sample ID: 105148-024BDUP	SampType: DUP	TestCode: 6010_W	Units: mg/L	Prep Date: 4/21/2009	RunNo: 108442						
Client ID: ZZZZZZ	Batch ID: 54886	TestNo: EPA 6010B	EPA 3010A	Analysis Date: 4/23/2009	SeqNo: 1701507						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	0.0050						0	0	20	
Arsenic	ND	0.010						0	0	20	
Barium	ND	0.0030						0	0	20	
Beryllium	ND	0.0030						0	0	20	
Cadmium	ND	0.0030						0	0	20	
Chromium	ND	0.0030						0	0	20	
Cobalt	ND	0.0030						0	0	20	
Copper	ND	0.0050						0	0	20	
Lead	ND	0.0050						0	0	20	
Molybdenum	ND	0.0050						0	0	20	
Nickel	ND	0.0050						0	0	20	
Selenium	ND	0.010						0	0	20	
Thallium	ND	0.015						0	0	20	
Vanadium	ND	0.0030						0	0	20	
Zinc	0.006	0.010						0.004377	0	20	

Sample ID: 105148-024BMS	SampType: MS	TestCode: 6010_W	Units: mg/L	Prep Date: 4/21/2009	RunNo: 108442						
Client ID: ZZZZZZ	Batch ID: 54886	TestNo: EPA 6010B	EPA 3010A	Analysis Date: 4/23/2009	SeqNo: 1701508						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers:

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ANALYTICAL QC SUMMARY REPORT

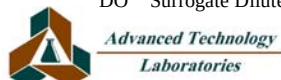
TestCode: 6010_W

Sample ID: 105148-024BMS	SampType: MS	TestCode: 6010_W	Units: mg/L	Prep Date: 4/21/2009	RunNo: 108442						
Client ID: ZZZZZZ	Batch ID: 54886	TestNo: EPA 6010B	EPA 3010A	Analysis Date: 4/23/2009	SeqNo: 1701508						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	2.419	0.0050	2.500	0	96.8	64	130				
Arsenic	2.266	0.010	2.500	0	90.6	66	128				
Barium	2.459	0.0030	2.500	0	98.4	60	129				
Beryllium	2.450	0.0030	2.500	0	98.0	77	118				
Cadmium	2.284	0.0030	2.500	0	91.3	72	122				
Chromium	2.200	0.0030	2.500	0	88.0	77	116				
Cobalt	2.412	0.0030	2.500	0	96.5	66	124				
Copper	2.543	0.0050	2.500	0	102	70	130				
Lead	2.163	0.0050	2.500	0	86.5	71	121				
Nickel	2.385	0.0050	2.500	0	95.4	63	125				
Selenium	2.237	0.010	2.500	0	89.5	73	124				
Thallium	2.292	0.015	2.500	0	91.7	66	125				
Vanadium	2.522	0.0030	2.500	0	101	79	118				
Zinc	2.253	0.010	2.500	0.004377	90.0	71	120				

Sample ID: 105148-024BMSD	SampType: MSD	TestCode: 6010_W	Units: mg/L	Prep Date: 4/21/2009	RunNo: 108442						
Client ID: ZZZZZZ	Batch ID: 54886	TestNo: EPA 6010B	EPA 3010A	Analysis Date: 4/23/2009	SeqNo: 1701509						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	2.480	0.0050	2.500	0	99.2	64	130	2.419	2.49	20	
Arsenic	2.328	0.010	2.500	0	93.1	66	128	2.266	2.69	20	
Barium	2.516	0.0030	2.500	0	101	60	129	2.459	2.26	20	
Beryllium	2.510	0.0030	2.500	0	100	77	118	2.450	2.39	20	
Cadmium	2.329	0.0030	2.500	0	93.1	72	122	2.284	1.95	20	
Chromium	2.241	0.0030	2.500	0	89.6	77	116	2.200	1.86	20	
Cobalt	2.466	0.0030	2.500	0	98.6	66	124	2.412	2.19	20	
Copper	2.595	0.0050	2.500	0	104	70	130	2.543	2.02	20	
Lead	2.187	0.0050	2.500	0	87.5	71	121	2.163	1.09	20	
Molybdenum	2.469	0.0050	2.500	0	98.8	64	129	2.417	2.14	20	
Nickel	2.423	0.0050	2.500	0	96.9	63	125	2.385	1.59	20	

Qualifiers:

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Work Order: 105139
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ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_W

Sample ID: 105148-024BMSD	SampType: MSD	TestCode: 6010_W	Units: mg/L	Prep Date: 4/21/2009	RunNo: 108442						
Client ID: ZZZZZZ	Batch ID: 54886	TestNo: EPA 6010B	EPA 3010A	Analysis Date: 4/23/2009	SeqNo: 1701509						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Selenium	2.280	0.010	2.500	0	91.2	73	124	2.237	1.90	20	
Thallium	2.352	0.015	2.500	0	94.1	66	125	2.292	2.58	20	
Vanadium	2.570	0.0030	2.500	0	103	79	118	2.522	1.89	20	
Zinc	2.294	0.010	2.500	0.004377	91.6	71	120	2.253	1.81	20	

Sample ID: MB-54886		SampType: MBLK		TestCode: 6010_W		Units: mg/L		Prep Date: 4/21/2009			RunNo: 108475		
Client ID: PBW		Batch ID: 54886		TestNo: EPA 6010B		EPA 3010A		Analysis Date: 4/24/2009			SeqNo: 1702106		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Silver		ND		0.0030									

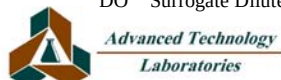
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Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Silver		1.009	0.0030	1.000	0	101	85	115				

Sample ID: 105148-024BDUP	SampType: DUP	TestCode: 6010_W	Units: mg/L	Prep Date: 4/21/2009	RunNo: 108475						
Client ID: ZZZZZZ	Batch ID: 54886	TestNo: EPA 6010B	EPA 3010A	Analysis Date: 4/24/2009	SeqNo: 1702112						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Silver	ND	0.0030						0	0	20	

Sample ID: 105148-024BMS	SampType: MS	TestCode: 6010_W	Units: mg/L	Prep Date: 4/21/2009	RunNo: 108475						
Client ID: ZZZZZZ	Batch ID: 54886	TestNo: EPA 6010B	EPA 3010A	Analysis Date: 4/24/2009	SeqNo: 1702113						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Silver	2.550	0.0030	2.500	0	102	60	138				

Qualifiers:

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ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_W

Sample ID: 105148-024BMSD		SampType: MSD		TestCode: 6010_W		Units: mg/L		Prep Date: 4/21/2009		RunNo: 108475			
Client ID: ZZZZZZ		Batch ID: 54886		TestNo: EPA 6010B		EPA 3010A		Analysis Date: 4/24/2009		SeqNo: 1702114			
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Silver		2.589		0.0030	2.500	0	104	60	138	2.550	1.54	20	

Qualifiers:

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ANALYTICAL QC SUMMARY REPORT

TestCode: 7196_S

Sample ID: 105139-001ADUP	SampType: DUP	TestCode: 7196_S	Units: mg/Kg	Prep Date: 4/23/2009	RunNo: 108485						
Client ID: 1001-101-2-S	Batch ID: 54986	TestNo: EPA 7196A	Analysis Date: 4/23/2009	SeqNo: 1702335							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	ND	0.10						0	0	20	

Sample ID: 105139-001AMS	SampType: MS	TestCode: 7196_S	Units: mg/Kg	Prep Date: 4/23/2009	RunNo: 108485						
Client ID: 1001-101-2-S	Batch ID: 54986	TestNo: EPA 7196A	Analysis Date: 4/23/2009	SeqNo: 1702336							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	4.430	0.10	5.000	0	88.6	85	115				

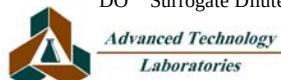
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Client ID: 1001-101-2-S	Batch ID: 54986	TestNo: EPA 7196A	Analysis Date: 4/23/2009	SeqNo: 1702337							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	4.670	0.10	5.000	0	93.4	85	115	4.430	5.27	20	

Sample ID: LCS-54986	SampType: LCS	TestCode: 7196_S	Units: mg/Kg	Prep Date: 4/23/2009	RunNo: 108485						
Client ID: LCSS	Batch ID: 54986	TestNo: EPA 7196A	Analysis Date: 4/23/2009	SeqNo: 1702346							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	5.020	0.10	5.000	0	100	85	115				

Sample ID: MB-54986	SampType: MBLK	TestCode: 7196_S	Units: mg/Kg	Prep Date: 4/23/2009	RunNo: 108485						
Client ID: PBS	Batch ID: 54986	TestNo: EPA 7196A	Analysis Date: 4/23/2009	SeqNo: 1702347							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	ND	0.10									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
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DO	Surrogate Diluted Out		Calculations are based on raw values		



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CLIENT: Ninyo & Moore
Work Order: 105139
Project: 207126015

ANALYTICAL QC SUMMARY REPORT

TestCode: 7196_S

Sample ID: 105139-012ADUP	SampType: DUP	TestCode: 7196_S	Units: mg/Kg	Prep Date: 4/23/2009	RunNo: 108491						
Client ID: 1001-112-20-S	Batch ID: 54996	TestNo: EPA 7196A		Analysis Date: 4/24/2009	SeqNo: 1702465						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	ND	0.10						0	0	20	

Sample ID: 105139-012AMS	SampType: MS	TestCode: 7196_S	Units: mg/Kg	Prep Date: 4/23/2009	RunNo: 108491						
Client ID: 1001-112-20-S	Batch ID: 54996	TestNo: EPA 7196A		Analysis Date: 4/24/2009	SeqNo: 1702466						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	4.990	0.10	5.000	0	99.8	85	115				

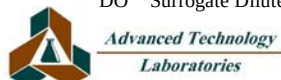
Sample ID: 105139-012AMSD	SampType: MSD	TestCode: 7196_S	Units: mg/Kg	Prep Date: 4/23/2009	RunNo: 108491						
Client ID: 1001-112-20-S	Batch ID: 54996	TestNo: EPA 7196A		Analysis Date: 4/24/2009	SeqNo: 1702467						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	4.950	0.10	5.000	0	99.0	85	115	4.990	0.805	20	

Sample ID: LCS-54996	SampType: LCS	TestCode: 7196_S	Units: mg/Kg	Prep Date: 4/23/2009	RunNo: 108491						
Client ID: LCSS	Batch ID: 54996	TestNo: EPA 7196A		Analysis Date: 4/24/2009	SeqNo: 1702475						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	5.000	0.10	5.000	0	100	85	115				

Sample ID: MB-54996	SampType: MBLK	TestCode: 7196_S	Units: mg/Kg	Prep Date: 4/23/2009	RunNo: 108491						
Client ID: PBS	Batch ID: 54996	TestNo: EPA 7196A		Analysis Date: 4/24/2009	SeqNo: 1702476						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	ND	0.10									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
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DO	Surrogate Diluted Out		Calculations are based on raw values		



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Work Order: 105139
Project: 207126015

ANALYTICAL QC SUMMARY REPORT

TestCode: 7196_S

Sample ID: 105139-021ADUP	SampType: DUP	TestCode: 7196_S	Units: mg/Kg	Prep Date: 4/23/2009	RunNo: 108493						
Client ID: 1001-105-5-S	Batch ID: 54997	TestNo: EPA 7196A		Analysis Date: 4/24/2009	SeqNo: 1702503						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	ND	0.10						0	0	20	

Sample ID: 105139-021AMS	SampType: MS	TestCode: 7196_S	Units: mg/Kg	Prep Date: 4/23/2009	RunNo: 108493						
Client ID: 1001-105-5-S	Batch ID: 54997	TestNo: EPA 7196A		Analysis Date: 4/24/2009	SeqNo: 1702504						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	4.980	0.10	5.000	0	99.6	85	115				

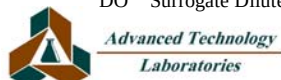
Sample ID: 105139-021AMSD	SampType: MSD	TestCode: 7196_S	Units: mg/Kg	Prep Date: 4/23/2009	RunNo: 108493						
Client ID: 1001-105-5-S	Batch ID: 54997	TestNo: EPA 7196A		Analysis Date: 4/24/2009	SeqNo: 1702505						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	5.010	0.10	5.000	0	100	85	115	4.980	0.601	20	

Sample ID: LCS-54997	SampType: LCS	TestCode: 7196_S	Units: mg/Kg	Prep Date: 4/23/2009	RunNo: 108493						
Client ID: LCSS	Batch ID: 54997	TestNo: EPA 7196A		Analysis Date: 4/24/2009	SeqNo: 1702515						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	5.060	0.10	5.000	0	101	85	115				

Sample ID: MB-54997	SampType: MBLK	TestCode: 7196_S	Units: mg/Kg	Prep Date: 4/23/2009	RunNo: 108493						
Client ID: PBS	Batch ID: 54997	TestNo: EPA 7196A		Analysis Date: 4/24/2009	SeqNo: 1702516						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	ND	0.10									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
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DO	Surrogate Diluted Out		Calculations are based on raw values		



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Work Order: 105139
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ANALYTICAL QC SUMMARY REPORT

TestCode: 7196_W

Sample ID: 105139-030ADUP	SampType: DUP	TestCode: 7196_W	Units: mg/L	Prep Date: 4/21/2009	RunNo: 108480						
Client ID: ERB-1	Batch ID: R108480	TestNo: EPA 7196A		Analysis Date: 4/21/2009	SeqNo: 1702249						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	ND	0.010						0	0	20	

Sample ID: 105139-030AMS	SampType: MS	TestCode: 7196_W	Units: mg/L	Prep Date: 4/21/2009	RunNo: 108480						
Client ID: ERB-1	Batch ID: R108480	TestNo: EPA 7196A		Analysis Date: 4/21/2009	SeqNo: 1702250						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	0.506	0.010	0.5000	0	101	85	115				

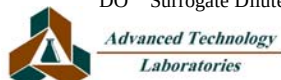
Sample ID: 105139-030AMSD	SampType: MSD	TestCode: 7196_W	Units: mg/L	Prep Date: 4/21/2009	RunNo: 108480						
Client ID: ERB-1	Batch ID: R108480	TestNo: EPA 7196A		Analysis Date: 4/21/2009	SeqNo: 1702251						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	0.507	0.010	0.5000	0	101	85	115	0.5060	0.197	20	

Sample ID: LCS-R108480	SampType: LCS	TestCode: 7196_W	Units: mg/L	Prep Date: 4/21/2009	RunNo: 108480						
Client ID: LCSW	Batch ID: R108480	TestNo: EPA 7196A		Analysis Date: 4/21/2009	SeqNo: 1702252						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	0.507	0.010	0.5000	0	101	85	115				

Sample ID: MB-R108480	SampType: MBLK	TestCode: 7196_W	Units: mg/L	Prep Date: 4/21/2009	RunNo: 108480						
Client ID: PBW	Batch ID: R108480	TestNo: EPA 7196A		Analysis Date: 4/21/2009	SeqNo: 1702253						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	ND	0.010									

Qualifiers:

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CLIENT: Ninyo & Moore
Work Order: 105139
Project: 207126015

ANALYTICAL QC SUMMARY REPORT

TestCode: 7470_W

Sample ID: MB-54884	SampType: MBLK	TestCode: 7470_W	Units: µg/L	Prep Date: 4/21/2009	RunNo: 108368						
Client ID: PBW	Batch ID: 54884	TestNo: EPA 7470A		Analysis Date: 4/22/2009	SeqNo: 1700393						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.072	0.20									

Sample ID: LCS-54884	SampType: LCS	TestCode: 7470_W	Units: µg/L	Prep Date: 4/21/2009	RunNo: 108368						
Client ID: LCSW	Batch ID: 54884	TestNo: EPA 7470A		Analysis Date: 4/22/2009	SeqNo: 1700394						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	9.857	0.20	10.00	0.07152	97.9	85	115				

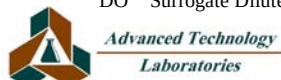
Sample ID: 105148-024B-MS	SampType: MS	TestCode: 7470_W	Units: µg/L	Prep Date: 4/21/2009	RunNo: 108368						
Client ID: ZZZZZZ	Batch ID: 54884	TestNo: EPA 7470A		Analysis Date: 4/22/2009	SeqNo: 1700395						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	9.391	0.20	10.00	0	93.9	70	130				

Sample ID: 105148-024B-MSD	SampType: MSD	TestCode: 7470_W	Units: µg/L	Prep Date: 4/21/2009	RunNo: 108368						
Client ID: ZZZZZZ	Batch ID: 54884	TestNo: EPA 7470A		Analysis Date: 4/22/2009	SeqNo: 1700396						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	9.138	0.20	10.00	0	91.4	70	130	9.391	2.74	20	

Sample ID: 105131-001B-DUP	SampType: DUP	TestCode: 7470_W	Units: µg/L	Prep Date: 4/21/2009	RunNo: 108368						
Client ID: ZZZZZZ	Batch ID: 54884	TestNo: EPA 7470A		Analysis Date: 4/22/2009	SeqNo: 1700399						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.20						0	0	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
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Work Order: 105139
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ANALYTICAL QC SUMMARY REPORT

TestCode: 7471_S

Sample ID: MB-54900		SampType: MBLK		TestCode: 7471_S		Units: mg/Kg		Prep Date: 4/22/2009		RunNo: 108384			
Client ID: PBS		Batch ID: 54900		TestNo: EPA 7471A				Analysis Date: 4/22/2009		SeqNo: 1700541			
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury		ND		0.10									

Sample ID: LCS-54900	SampType: LCS	TestCode: 7471_S	Units: mg/Kg	Prep Date: 4/22/2009	RunNo: 108384						
Client ID: LCSS	Batch ID: 54900	TestNo: EPA 7471A		Analysis Date: 4/22/2009	SeqNo: 1700542						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.846	0.10	0.8300	0	102	80	120				

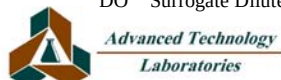
Sample ID: 105139-010A-MS	SampType: MS	TestCode: 7471_S	Units: mg/Kg	Prep Date: 4/22/2009	RunNo: 108384						
Client ID: 1001-112-5-S	Batch ID: 54900	TestNo: EPA 7471A		Analysis Date: 4/22/2009	SeqNo: 1700543						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.892	0.10	0.8300	0.02121	105	70	130				

Sample ID: 105139-010A-MSD	SampType: MSD	TestCode: 7471_S	Units: mg/Kg	Prep Date: 4/22/2009	RunNo: 108384						
Client ID: 1001-112-5-S	Batch ID: 54900	TestNo: EPA 7471A		Analysis Date: 4/22/2009	SeqNo: 1700544						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.886	0.10	0.8300	0.02121	104	70	130	0.8923	0.674	20	

Sample ID: 105139-010A-DUP	SampType: DUP	TestCode: 7471_S	Units: mg/Kg	Prep Date: 4/22/2009	RunNo: 108384						
Client ID: 1001-112-5-S	Batch ID: 54900	TestNo: EPA 7471A		Analysis Date: 4/22/2009	SeqNo: 1700546						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.021	0.10						0.02121	0	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
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ANALYTICAL QC SUMMARY REPORT

TestCode: 7471_S

Sample ID: MB-54901		SampType: MBLK		TestCode: 7471_S		Units: mg/Kg		Prep Date: 4/22/2009		RunNo: 108386			
Client ID: PBS		Batch ID: 54901		TestNo: EPA 7471A				Analysis Date: 4/22/2009		SeqNo: 1700561			
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury		ND		0.10									

Sample ID: LCS-54901	SampType: LCS	TestCode: 7471_S	Units: mg/Kg	Prep Date: 4/22/2009	RunNo: 108386						
Client ID: LCSS	Batch ID: 54901	TestNo: EPA 7471A		Analysis Date: 4/22/2009	SeqNo: 1700562						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.886	0.10	0.8300	0	107	80	120				

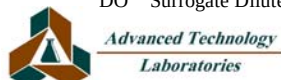
Sample ID: 105139-020A-MS	SampType: MS	TestCode: 7471_S	Units: mg/Kg	Prep Date: 4/22/2009	RunNo: 108386						
Client ID: 1001-105-2-S	Batch ID: 54901	TestNo: EPA 7471A		Analysis Date: 4/22/2009	SeqNo: 1700563						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.929	0.10	0.8300	0.02377	109	70	130				

Sample ID: 105139-020A-MSD	SampType: MSD	TestCode: 7471_S	Units: mg/Kg	Prep Date: 4/22/2009	RunNo: 108386						
Client ID: 1001-105-2-S	Batch ID: 54901	TestNo: EPA 7471A		Analysis Date: 4/22/2009	SeqNo: 1700564						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.910	0.10	0.8300	0.02377	107	70	130	0.9288	2.06	20	

Sample ID: 105139-020A-DUP	SampType: DUP	TestCode: 7471_S	Units: mg/Kg	Prep Date: 4/22/2009	RunNo: 108386						
Client ID: 1001-105-2-S	Batch ID: 54901	TestNo: EPA 7471A		Analysis Date: 4/22/2009	SeqNo: 1700566						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.024	0.10						0.02377	0	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
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ANALYTICAL QC SUMMARY REPORT

TestCode: 7471_S

Sample ID: MB-54902		SampType: MBLK		TestCode: 7471_S		Units: mg/Kg		Prep Date: 4/22/2009		RunNo: 108388			
Client ID: PBS		Batch ID: 54902		TestNo: EPA 7471A				Analysis Date: 4/22/2009		SeqNo: 1700587			
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury		ND		0.10									

Sample ID: LCS-54902	SampType: LCS	TestCode: 7471_S	Units: mg/Kg	Prep Date: 4/22/2009	RunNo: 108388						
Client ID: LCSS	Batch ID: 54902	TestNo: EPA 7471A		Analysis Date: 4/22/2009	SeqNo: 1700588						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.883	0.10	0.8300	0	106	80	120				

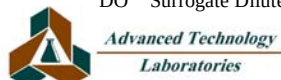
Sample ID: 105139-032A-MS	SampType: MS	TestCode: 7471_S	Units: mg/Kg	Prep Date: 4/22/2009	RunNo: 108388						
Client ID: 1001-104-20-S	Batch ID: 54902	TestNo: EPA 7471A		Analysis Date: 4/22/2009	SeqNo: 1700589						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.921	0.10	0.8300	0.02485	108	70	130				

Sample ID: 105139-032A-MSD	SampType: MSD	TestCode: 7471_S	Units: mg/Kg	Prep Date: 4/22/2009	RunNo: 108388						
Client ID: 1001-104-20-S	Batch ID: 54902	TestNo: EPA 7471A		Analysis Date: 4/22/2009	SeqNo: 1700590						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.916	0.10	0.8300	0.02485	107	70	130	0.9206	0.470	20	

Sample ID: 105139-032A-DUP	SampType: DUP	TestCode: 7471_S	Units: mg/Kg	Prep Date: 4/22/2009	RunNo: 108388						
Client ID: 1001-104-20-S	Batch ID: 54902	TestNo: EPA 7471A		Analysis Date: 4/22/2009	SeqNo: 1700592						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.025	0.10						0.02485	0	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
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Work Order: 105139
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ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_DSL H

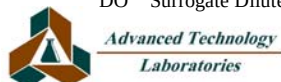
Sample ID: 105093-003AMS	SampType: MS	TestCode: 8015_S_DSL	Units: mg/Kg	Prep Date: 4/21/2009	RunNo: 108424						
Client ID: ZZZZZZ	Batch ID: 54880	TestNo: EPA 8015B(M LUFT	Analysis Date: 4/23/2009	SeqNo: 1703608							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	1358.050	10	1000	0	136	58	145				
Surr: p-Terphenyl	70.870		80.00		88.6	57	144				

Sample ID: 105093-003AMSD	SampType: MSD	TestCode: 8015_S_DSL	Units: mg/Kg	Prep Date: 4/21/2009	RunNo: 108424						
Client ID: ZZZZZZ	Batch ID: 54880	TestNo: EPA 8015B(M LUFT	Analysis Date: 4/23/2009	SeqNo: 1703609							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	1319.490	10	1000	0	132	58	145	1358	2.88	20	
Surr: p-Terphenyl	68.380		80.00		85.5	57	144		0	0	

Sample ID: LCS-54880	SampType: LCS	TestCode: 8015_S_DSL	Units: mg/Kg	Prep Date: 4/21/2009	RunNo: 108424						
Client ID: LCSS	Batch ID: 54880	TestNo: EPA 8015B(M LUFT	Analysis Date: 4/23/2009	SeqNo: 1703616							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	1252.060	10	1000	0	125	81	128				
Surr: p-Terphenyl	66.550		80.00		83.2	57	144				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



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Work Order: 105139
Project: 207126015

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TestCode: 8015_S_DSL H

Sample ID: LCS-54918	SampType: LCS	TestCode: 8015_S_DSL	Units: mg/Kg	Prep Date: 4/22/2009	RunNo: 108562
Client ID: LCSS	Batch ID: 54918	TestNo: EPA 8015B(M LUFT	Analysis Date: 4/23/2009	SeqNo: 1703740	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
DRO	1272.170	10	1000	0	127 81 128
Surr: p-Terphenyl	68.910		80.00		86.1 57 144

Sample ID: MB-54918	SampType: MBLK	TestCode: 8015_S_DSL	Units: mg/Kg	Prep Date: 4/22/2009	RunNo: 108562
Client ID: PBS	Batch ID: 54918	TestNo: EPA 8015B(M LUFT	Analysis Date: 4/23/2009	SeqNo: 1703741	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
DRO	ND	10			
Surr: p-Terphenyl	80.260		80.00		100 57 144

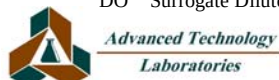
Sample ID: 105139-001ADUP	SampType: DUP	TestCode: 8015_S_DSL	Units: mg/Kg	Prep Date: 4/22/2009	RunNo: 108562
Client ID: 1001-101-2-S	Batch ID: 54918	TestNo: EPA 8015B(M LUFT	Analysis Date: 4/23/2009	SeqNo: 1703742	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
DRO	ND	10			0 0 20
Surr: p-Terphenyl	69.580		80.00		87.0 57 144 0 0

Sample ID: 105139-005AMS	SampType: MS	TestCode: 8015_S_DSL	Units: mg/Kg	Prep Date: 4/22/2009	RunNo: 108562
Client ID: 1001-102-2-S	Batch ID: 54918	TestNo: EPA 8015B(M LUFT	Analysis Date: 4/23/2009	SeqNo: 1703753	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
DRO	1371.400	10	1000	14.32	136 58 145
Surr: p-Terphenyl	71.240		80.00		89.0 57 144

Sample ID: 105139-005AMSD	SampType: MSD	TestCode: 8015_S_DSL	Units: mg/Kg	Prep Date: 4/22/2009	RunNo: 108562
Client ID: 1001-102-2-S	Batch ID: 54918	TestNo: EPA 8015B(M LUFT	Analysis Date: 4/23/2009	SeqNo: 1703754	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
DRO	1581.290	10	1000	14.32	157 58 145 1371 14.2 20 S

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
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DO	Surrogate Diluted Out		Calculations are based on raw values		



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TestCode: 8015_S_DSL H

Sample ID: 105139-005AMSD		SampType: MSD		TestCode: 8015_S_DSL		Units: mg/Kg		Prep Date: 4/22/2009		RunNo: 108562			
Client ID: 1001-102-2-S		Batch ID: 54918		TestNo: EPA 8015B(M LUFT				Analysis Date: 4/23/2009		SeqNo: 1703754			
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: p-Terphenyl		79.880			80.00		99.8	57	144		0	0	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



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TestCode: 8015_S_DSL H

Sample ID: LCS-54919	SampType: LCS	TestCode: 8015_S_DSL	Units: mg/Kg	Prep Date: 4/22/2009	RunNo: 108526						
Client ID: LCSS	Batch ID: 54919	TestNo: EPA 8015B(M LUFT	Analysis Date: 4/25/2009	SeqNo: 1703112							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	1218.970	10	1000	0	122	81	128				
Surr: p-Terphenyl	51.770		80.00		64.7	57	144				

Sample ID: MB-54919	SampType: MBLK	TestCode: 8015_S_DSL	Units: mg/Kg	Prep Date: 4/22/2009	RunNo: 108526						
Client ID: PBS	Batch ID: 54919	TestNo: EPA 8015B(M LUFT		Analysis Date: 4/25/2009	SeqNo: 1703113						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	ND	10									
Surr: p-Terphenyl	80.730		80.00		101	57	144				

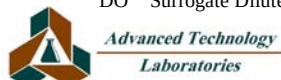
Sample ID: 105139-014AMSD	SampType: MSD	TestCode: 8015_S_DSL	Units: mg/Kg	Prep Date: 4/22/2009	RunNo: 108526						
Client ID: 1001-103-5-S	Batch ID: 54919	TestNo: EPA 8015B(M LUFT	Analysis Date: 4/25/2009	SeqNo: 1703115							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	1439.770	10	1000	42.16	140	58	145	1546	7.14	20	
Surr: p-Terphenyl	71.330		80.00		89.2	57	144		0	0	

Sample ID: 105139-013ADUP		SampType: DUP		TestCode: 8015_S_DSL		Units: mg/Kg		Prep Date: 4/22/2009		RunNo: 108526			
Client ID: 1001-103-2-S		Batch ID: 54919		TestNo: EPA 8015B(M LUFT				Analysis Date: 4/25/2009		SeqNo: 1703123			
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO		45.670		10						45.43	0.527	20	
Surr: p-Terphenyl		79.250			80.00		99.1	57	144		0	0	

Sample ID: 105139-014AMS	SampType: MS	TestCode: 8015_S_DSL	Units: mg/Kg	Prep Date: 4/22/2009	RunNo: 108526						
Client ID: 1001-103-5-S	Batch ID: 54919	TestNo: EPA 8015B(M LUFT		Analysis Date: 4/27/2009	SeqNo: 1703126						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	1546.450	10	1000	42.16	150	58	145				S

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



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ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_DSL H

Sample ID: 105139-014AMS		SampType: MS	TestCode: 8015_S_DSL		Units: mg/Kg	Prep Date: 4/22/2009			RunNo: 108526			
Client ID: 1001-103-5-S		Batch ID: 54919	TestNo: EPA 8015B(M LUFT			Analysis Date: 4/27/2009			SeqNo: 1703126			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: p-Terphenyl		70.200		80.00		87.8	57	144				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



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ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_DSL H

Sample ID: LCS-54920		SampType: LCS		TestCode: 8015_S_DSL		Units: mg/Kg		Prep Date: 4/22/2009		RunNo: 108637			
Client ID: LCSS		Batch ID: 54920		TestNo: EPA 8015B(M LUFT				Analysis Date: 4/30/2009		SeqNo: 1704674			
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

DRO	907.964	10	1000	0	90.8	81	128				
Surr: p-Terphenyl	80.652		80.00		101	57	144				

Sample ID: 105148-008AMS	SampType: MS	TestCode: 8015_S_DSL	Units: mg/Kg	Prep Date: 4/22/2009	RunNo: 108637						
Client ID: ZZZZZZ	Batch ID: 54920	TestNo: EPA 8015B(M LUFT	Analysis Date: 4/30/2009	SeqNo: 1704675							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

DRO	909.973	10	1000	0	91.0	58	145				
Surr: p-Terphenyl	78.880		80.00		98.6	57	144				

Sample ID: 105148-008AMSD	SampType: MSD	TestCode: 8015_S_DSL	Units: mg/Kg	Prep Date: 4/22/2009	RunNo: 108637						
Client ID: ZZZZZZ	Batch ID: 54920	TestNo: EPA 8015B(M LUFT	Analysis Date: 4/30/2009	SeqNo: 1704676							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

DRO	887.823	10	1000	0	88.8	58	145	910.0	2.46	20	
Surr: p-Terphenyl	76.187		80.00		95.2	57	144		0	0	

Sample ID: MB-54920		SampType: MBLK		TestCode: 8015_S_DSL		Units: mg/Kg		Prep Date: 4/22/2009		RunNo: 108637			
Client ID: PBS		Batch ID: 54920		TestNo: EPA 8015B(M LUFT				Analysis Date: 4/30/2009		SeqNo: 1704677			
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

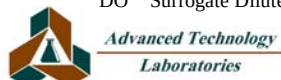
DRO	ND	10									
Surr: p-Terphenyl	77.732		80.00		97.2	57	144				

Sample ID: 105148-008ADUP	SampType: DUP	TestCode: 8015_S_DSL	Units: mg/Kg	Prep Date: 4/22/2009	RunNo: 108637						
Client ID: ZZZZZZ	Batch ID: 54920	TestNo: EPA 8015B(M LUFT	Analysis Date: 4/30/2009	SeqNo: 1704696							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

DRO	ND	10						0	0	20	
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Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



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ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_DSL H

Sample ID: 105148-008ADUP	SampType: DUP	TestCode: 8015_S_DSL	Units: mg/Kg	Prep Date: 4/22/2009	RunNo: 108637						
Client ID: ZZZZZZ	Batch ID: 54920	TestNo: EPA 8015B(M LUFT	Analysis Date: 4/30/2009	SeqNo: 1704696							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: p-Terphenyl	77.999		80.00		97.5	57	144		0	0	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
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DO	Surrogate Diluted Out		Calculations are based on raw values		



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ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_G 5035P

Sample ID: E090421LCS1	SampType: LCS	TestCode: 8015_S_G 50	Units: mg/Kg	Prep Date:	RunNo: 108359						
Client ID: LCSS	Batch ID: E09VS104	TestNo: EPA 8015B(M	Analysis Date: 4/21/2009	SeqNo: 1700197							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	4.540	1.0	5.000	0	90.8	73	120				
Surr: Bromofluorobenzene (FID)	96.037		100.0		96.0	59	145				

Sample ID: E090421MB1		SampType: MBLK		TestCode: 8015_S_G 50		Units: mg/Kg		Prep Date:		RunNo: 108359			
Client ID: PBS		Batch ID: E09VS104		TestNo: EPA 8015B(M				Analysis Date: 4/21/2009		SeqNo: 1700198			
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO		ND		1.0									
Surr: Bromofluorobenzene (FID)		101.526		100.0		102		59	145				

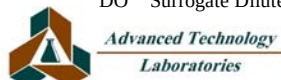
Sample ID: 105133-001AMS	SampType: MS	TestCode: 8015_S_G 50	Units: mg/Kg	Prep Date:	RunNo: 108359						
Client ID: ZZZZZZ	Batch ID: E09VS104	TestNo: EPA 8015B(M	Analysis Date: 4/21/2009	SeqNo: 1700200							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	4.244	1.0	5.000	0	84.9	39	135				
Surr: Bromofluorobenzene (FID)	92.733		100.0		92.7	59	145				

Sample ID: 105133-001AMSD	SampType: MSD	TestCode: 8015_S_G 50	Units: mg/Kg	Prep Date:	RunNo: 108359						
Client ID: ZZZZZZ	Batch ID: E09VS104	TestNo: EPA 8015B(M	Analysis Date: 4/21/2009	SeqNo: 1700201							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	4.209	1.0	5.000	0	84.2	39	135	4.244	0.828	20	
Surr: Bromofluorobenzene (FID)	89.023		100.0		89.0	59	145		0	0	

Sample ID: 105139-001FDUP		SampType: DUP		TestCode: 8015_S_G 50		Units: mg/Kg		Prep Date: 4/20/2009		RunNo: 108359			
Client ID: 1001-101-2-S		Batch ID: E09VS104		TestNo: EPA 8015B(M				Analysis Date: 4/21/2009		SeqNo: 1700203			
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO		ND		1.1						0	0	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out	Calculations are based on raw values			



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ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_G 5035P

Sample ID: 105139-001FDUP	SampType: DUP	TestCode: 8015_S_G 50	Units: mg/Kg	Prep Date: 4/20/2009	RunNo: 108359						
Client ID: 1001-101-2-S	Batch ID: E09VS104	TestNo: EPA 8015B(M	Analysis Date: 4/21/2009	SeqNo: 1700203							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Bromofluorobenzene (FID)	110.961		105.7		105	59	145		0	0	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



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TestCode: 8015_S_G 5035P

Sample ID: E090421LCS3	SampType: LCS	TestCode: 8015_S_G 50	Units: mg/Kg	Prep Date:	RunNo: 108369						
Client ID: LCSS	Batch ID: E09VS105	TestNo: EPA 8015B(M	Analysis Date: 4/21/2009	SeqNo: 1700405							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	4.526	1.0	5.000	0	90.5	73	120				
Surr: Bromofluorobenzene (FID)	98.536		100.0		98.5	59	145				

Sample ID: E090421MB2MS	SampType: MS	TestCode: 8015_S_G 50	Units: mg/Kg	Prep Date:	RunNo: 108369						
Client ID: ZZZZZZ	Batch ID: E09VS105	TestNo: EPA 8015B(M	Analysis Date: 4/21/2009	SeqNo: 1700406							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	4.681	1.0	5.000	0	93.6	39	135				
Surr: Bromofluorobenzene (FID)	98.955		100.0		99.0	59	145				

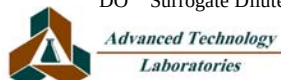
Sample ID: E090421MB2MSD	SampType: MSD	TestCode: 8015_S_G 50	Units: mg/Kg	Prep Date:				RunNo: 108369			
Client ID: ZZZZZZ	Batch ID: E09VS105	TestNo: EPA 8015B(M		Analysis Date: 4/21/2009				SeqNo: 1700407			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	4.661	1.0	5.000	0	93.2	39	135	4.681	0.428	20	
Surr: Bromofluorobenzene (FID)	94.456		100.0		94.5	59	145		0	0	

Sample ID: E090421MB2		SampType: MBLK		TestCode: 8015_S_G 50		Units: mg/Kg		Prep Date:		RunNo: 108369			
Client ID: PBS		Batch ID: E09VS105		TestNo: EPA 8015B(M				Analysis Date: 4/21/2009		SeqNo: 1700408			
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO		ND		1.0									
Surr: Bromofluorobenzene (FID)		93.136			100.0		93.1	59	145				

Sample ID: 105139-011FDUP		SampType: DUP		TestCode: 8015_S_G 50		Units: mg/Kg		Prep Date: 4/20/2009		RunNo: 108369			
Client ID: 1001-112-10-S		Batch ID: E09VS105		TestNo: EPA 8015B(M				Analysis Date: 4/21/2009		SeqNo: 1700410			
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO		ND		1.1						0	0	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



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TestCode: 8015_S_G 5035P

Sample ID: 105139-011FDUP	SampType: DUP	TestCode: 8015_S_G 50	Units: mg/Kg	Prep Date: 4/20/2009	RunNo: 108369						
Client ID: 1001-112-10-S	Batch ID: E09VS105	TestNo: EPA 8015B(M		Analysis Date: 4/21/2009	SeqNo: 1700410						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Bromofluorobenzene (FID)	121.354		105.9		115	59	145		0	0	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



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CLIENT: Ninyo & Moore
Work Order: 105139
Project: 207126015

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_G 5035P

Sample ID: E090421LCS5	SampType: LCS	TestCode: 8015_S_G 50	Units: mg/Kg	Prep Date:	RunNo: 108370						
Client ID: LCSS	Batch ID: E09VS106	TestNo: EPA 8015B(M		Analysis Date: 4/22/2009	SeqNo: 1700420						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	4.563	1.0	5.000	0	91.3	73	120				
Surr: Bromofluorobenzene (FID)	97.351		100.0		97.4	59	145				

Sample ID: E090421MB3MS	SampType: MS	TestCode: 8015_S_G 50	Units: mg/Kg	Prep Date:	RunNo: 108370						
Client ID: ZZZZZZ	Batch ID: E09VS106	TestNo: EPA 8015B(M		Analysis Date: 4/22/2009	SeqNo: 1700421						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	4.709	1.0	5.000	0	94.2	39	135				
Surr: Bromofluorobenzene (FID)	97.150		100.0		97.2	59	145				

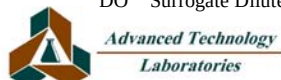
Sample ID: E090421MB3MSD	SampType: MSD	TestCode: 8015_S_G 50	Units: mg/Kg	Prep Date:	RunNo: 108370						
Client ID: ZZZZZZ	Batch ID: E09VS106	TestNo: EPA 8015B(M		Analysis Date: 4/22/2009	SeqNo: 1700422						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	4.804	1.0	5.000	0	96.1	39	135	4.709	2.00	20	
Surr: Bromofluorobenzene (FID)	100.322		100.0		100	59	145		0	0	

Sample ID: E090421MB3		SampType: MBLK		TestCode: 8015_S_G 50		Units: mg/Kg		Prep Date:		RunNo: 108370			
Client ID: PBS		Batch ID: E09VS106		TestNo: EPA 8015B(M				Analysis Date: 4/22/2009		SeqNo: 1700423			
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO		ND		1.0									
Surr: Bromofluorobenzene (FID)		102.220		100.0		102		59	145				

Sample ID: 105139-022FDUP		SampType: DUP		TestCode: 8015_S_G 50		Units: mg/Kg		Prep Date: 4/20/2009		RunNo: 108453			
Client ID: 1001-105-10-S		Batch ID: E09VS106		TestNo: EPA 8015B(M				Analysis Date: 4/22/2009		SeqNo: 1701891			
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO		ND		1.1						0	0	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



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Work Order: 105139
Project: 207126015

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_G 5035P

Sample ID: 105139-022FDUP	SampType: DUP	TestCode: 8015_S_G 50	Units: mg/Kg	Prep Date: 4/20/2009	RunNo: 108453						
Client ID: 1001-105-10-S	Batch ID: E09VS106	TestNo: EPA 8015B(M	Analysis Date: 4/22/2009	SeqNo: 1701891							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Bromofluorobenzene (FID)	130.508		114.4		114	59	145		0	0	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



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ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_W_DSL H

Sample ID: MB-54952MSD	SampType: MSD	TestCode: 8015_W_DSL	Units: mg/L	Prep Date: 4/23/2009	RunNo: 108461						
Client ID: ZZZZZZ	Batch ID: 54952	TestNo: EPA 8015B(M	EPA 3510C	Analysis Date: 4/23/2009	SeqNo: 1702052						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	1.222	0.20	1.000	0	122	42	118	1.218	0.288	20	S
Surr: p-Terphenyl	0.049		0.08000		61.3	35	131		0	0	

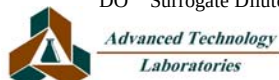
Sample ID: MB-54952	SampType: MBLK	TestCode: 8015_W_DSL	Units: mg/L	Prep Date: 4/23/2009	RunNo: 108461						
Client ID: PBW	Batch ID: 54952	TestNo: EPA 8015B(M EPA 3510C	Analysis Date: 4/23/2009	SeqNo: 1702053							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	ND	0.20									
Surr: p-Terphenyl	0.051		0.08000		64.2	35	131				

Sample ID: MB-54952MS	SampType: MS	TestCode: 8015_W_DSL	Units: mg/L	Prep Date: 4/23/2009	RunNo: 108461						
Client ID: ZZZZZZ	Batch ID: 54952	TestNo: EPA 8015B(M EPA 3510C	Analysis Date: 4/23/2009	SeqNo: 1702054							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	1.219	0.20	1.000	0	122	42	118				S
Surr: p-Terphenyl	0.053		0.08000		65.9	35	131				

Sample ID: LCS-54952		SampType: LCS	TestCode: 8015_W_DSL Units: mg/L			Prep Date: 4/23/2009			RunNo: 108461			
Client ID: LCSW		Batch ID: 54952	TestNo: EPA 8015B(M EPA 3510C			Analysis Date: 4/23/2009			SeqNo: 1702055			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO		1.102	0.20	1.000	0	110	42	118				
Surr: p-Terphenyl		0.048		0.08000		59.6	35	131				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
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Work Order: 105139
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ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_W_G PRES

Sample ID: D090423LCS	SampType: LCS	TestCode: 8015_W_G P	Units: mg/L	Prep Date:	RunNo: 108450						
Client ID: LCSW	Batch ID: D09VW067	TestNo: EPA 8015B(M		Analysis Date: 4/23/2009	SeqNo: 1701675						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.945	0.20	1.000	0	94.5	69	125				
Surr: Bromofluorobenzene (FID)	101.914		100.0		102	71	130				

Sample ID: D090423MB2MS	SampType: MS	TestCode: 8015_W_G P	Units: mg/L	Prep Date:	RunNo: 108450						
Client ID: ZZZZZZ	Batch ID: D09VW067	TestNo: EPA 8015B(M		Analysis Date: 4/23/2009	SeqNo: 1701676						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.861	0.20	1.000	0	86.1	69	125				
Surr: Bromofluorobenzene (FID)	100.900		100.0		101	71	130				

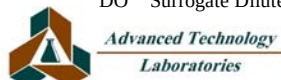
Sample ID: D090424MB2MSD	SampType: MSD	TestCode: 8015_W_G P	Units: mg/L	Prep Date:				RunNo: 108450			
Client ID: ZZZZZZ	Batch ID: D09VW067	TestNo: EPA 8015B(M		Analysis Date: 4/23/2009				SeqNo: 1701677			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.900	0.20	1.000	0	90.0	69	125	0	0	20	
Surr: Bromofluorobenzene (FID)	99.676		100.0		99.7	71	130		0	0	

Sample ID: D090423MB2	SampType: MBLK	TestCode: 8015_W_G P	Units: mg/L	Prep Date:	RunNo: 108450						
Client ID: PBW	Batch ID: D09VW067	TestNo: EPA 8015B(M		Analysis Date: 4/23/2009	SeqNo: 1701678						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	ND	0.20									
Surr: Bromofluorobenzene (FID)	104.012		100.0		104	71	130				

Sample ID: 105148-024GDUP	SampType: DUP	TestCode: 8015_W_G P	Units: mg/L	Prep Date:	RunNo: 108450						
Client ID: ZZZZZZ	Batch ID: D09VW067	TestNo: EPA 8015B(M		Analysis Date: 4/23/2009	SeqNo: 1701680						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	ND	0.20						0	0	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
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CLIENT: Ninyo & Moore
Work Order: 105139
Project: 207126015

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_W_G PRES

Sample ID: 105148-024GDUP	SampType: DUP	TestCode: 8015_W_G P	Units: mg/L	Prep Date:				RunNo: 108450			
Client ID: ZZZZZZ	Batch ID: D09VW067	TestNo: EPA 8015B(M		Analysis Date: 4/23/2009				SeqNo: 1701680			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Bromofluorobenzene (FID)	101.016		100.0		101	71	130		0	0	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
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ANALYTICAL QC SUMMARY REPORT

TestCode: 8082_S

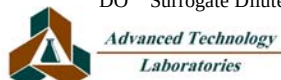
Sample ID: MB-54915	SampType: MBLK	TestCode: 8082_S	Units: µg/Kg	Prep Date: 4/22/2009	RunNo: 108405						
Client ID: PBS	Batch ID: 54915	TestNo: EPA 8082	EPA 3550B	Analysis Date: 4/22/2009	SeqNo: 1700834						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	16									
Aroclor 1221	ND	33									
Aroclor 1232	ND	16									
Aroclor 1242	ND	16									
Aroclor 1248	ND	16									
Aroclor 1254	ND	16									
Aroclor 1260	ND	16									
Aroclor 1262	ND	16									
Aroclor 1268	ND	16									
Surr: Decachlorobiphenyl	12.960		16.67		77.7	30	124				
Surr: Tetrachloro-m-xylene	14.840		16.67		89.0	40	118				

Sample ID: LCSA-54915	SampType: LCS	TestCode: 8082_S	Units: µg/Kg	Prep Date: 4/22/2009	RunNo: 108405						
Client ID: LCSS	Batch ID: 54915	TestNo: EPA 8082	EPA 3550B	Analysis Date: 4/22/2009	SeqNo: 1700835						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	134.044	16	166.7	0	80.4	56	113				
Aroclor 1260	146.172	16	166.7	0	87.7	58	111				
Surr: Decachlorobiphenyl	13.088		16.67		78.5	30	124				
Surr: Tetrachloro-m-xylene	15.839		16.67		95.0	40	118				

Sample ID: 105139-010AMSA	SampType: MS	TestCode: 8082_S	Units: µg/Kg	Prep Date: 4/22/2009	RunNo: 108405						
Client ID: 1001-112-5-S	Batch ID: 54915	TestNo: EPA 8082	EPA 3550B	Analysis Date: 4/22/2009	SeqNo: 1700836						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	132.853	16	166.7	0	79.7	51	111				
Aroclor 1260	145.698	16	166.7	0	87.4	39	123				
Surr: Decachlorobiphenyl	13.667		16.67		82.0	30	124				
Surr: Tetrachloro-m-xylene	15.698		16.67		94.2	40	118				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
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ANALYTICAL QC SUMMARY REPORT

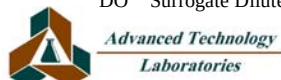
TestCode: 8082_S

Sample ID: 105139-010AMSDA	SampType: MSD	TestCode: 8082_S	Units: µg/Kg	Prep Date: 4/22/2009	RunNo: 108405						
Client ID: 1001-112-5-S	Batch ID: 54915	TestNo: EPA 8082	EPA 3550B	Analysis Date: 4/22/2009	SeqNo: 1700837						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	134.479	16	166.7	0	80.7	51	111	132.9	1.22	20	
Aroclor 1260	146.311	16	166.7	0	87.8	39	123	145.7	0.420	20	
Surr: Decachlorobiphenyl	13.663		16.67		82.0	30	124		0	0	
Surr: Tetrachloro-m-xylene	15.806		16.67		94.8	40	118		0	0	

Sample ID: 105139-003ADUPA		SampType: DUP		TestCode: 8082_S		Units: µg/Kg		Prep Date: 4/22/2009		RunNo: 108405		
Client ID: 1001-101-10-S		Batch ID: 54915		TestNo: EPA 8082		EPA 3550B		Analysis Date: 4/22/2009		SeqNo: 1700842		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016		ND	16						0	0	20	
Aroclor 1221		ND	33						0	0	20	
Aroclor 1232		ND	16						0	0	20	
Aroclor 1242		ND	16						0	0	20	
Aroclor 1248		ND	16						0	0	20	
Aroclor 1254		ND	16						0	0	20	
Aroclor 1260		ND	16						0	0	20	
Aroclor 1262		ND	16						0	0	20	
Aroclor 1268		ND	16						0	0	20	
Surr: Decachlorobiphenyl		12.616		16.67		75.7	30	124		0	0	
Surr: Tetrachloro-m-xylene		15.162		16.67		91.0	40	118		0	0	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
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DO	Surrogate Diluted Out		Calculations are based on raw values		



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Work Order: 105139
Project: 207126015

ANALYTICAL QC SUMMARY REPORT

TestCode: 8082_S

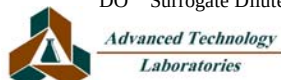
Sample ID: MB-54929	SampType: MBLK	TestCode: 8082_S	Units: µg/Kg	Prep Date: 4/22/2009	RunNo: 108460						
Client ID: PBS	Batch ID: 54929	TestNo: EPA 8082	EPA 3550B	Analysis Date: 4/22/2009	SeqNo: 1701805						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	16									
Aroclor 1221	ND	33									
Aroclor 1232	ND	16									
Aroclor 1242	ND	16									
Aroclor 1248	ND	16									
Aroclor 1254	ND	16									
Aroclor 1260	ND	16									
Aroclor 1262	ND	16									
Aroclor 1268	ND	16									
Surr: Decachlorobiphenyl	13.960		16.67		83.7	30	124				
Surr: Tetrachloro-m-xylene	14.345		16.67		86.1	40	118				

Sample ID: LCS-54929	SampType: LCS	TestCode: 8082_S	Units: µg/Kg	Prep Date: 4/22/2009	RunNo: 108460						
Client ID: LCSS	Batch ID: 54929	TestNo: EPA 8082	EPA 3550B	Analysis Date: 4/22/2009	SeqNo: 1701806						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	122.608	16	166.7	0	73.6	56	113				
Aroclor 1260	140.283	16	166.7	0	84.2	58	111				
Surr: Decachlorobiphenyl	13.692		16.67		82.1	30	124				
Surr: Tetrachloro-m-xylene	14.902		16.67		89.4	40	118				

Sample ID: 105139-014AMS	SampType: MS	TestCode: 8082_S	Units: µg/Kg	Prep Date: 4/22/2009	RunNo: 108460						
Client ID: 1001-103-5-S	Batch ID: 54929	TestNo: EPA 8082	EPA 3550B	Analysis Date: 4/22/2009	SeqNo: 1701807						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	118.623	16	166.7	0	71.2	51	111				
Aroclor 1260	135.425	16	166.7	0	81.3	39	123				
Surr: Decachlorobiphenyl	13.577		16.67		81.4	30	124				
Surr: Tetrachloro-m-xylene	15.255		16.67		91.5	40	118				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
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DO	Surrogate Diluted Out		Calculations are based on raw values		



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ANALYTICAL QC SUMMARY REPORT

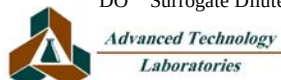
TestCode: 8082_S

Sample ID: 105139-014AMSD	SampType: MSD	TestCode: 8082_S	Units: µg/Kg	Prep Date: 4/22/2009	RunNo: 108460						
Client ID: 1001-103-5-S	Batch ID: 54929	TestNo: EPA 8082	EPA 3550B	Analysis Date: 4/22/2009	SeqNo: 1701808						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	123.253	16	166.7	0	74.0	51	111	118.6	3.83	20	
Aroclor 1260	141.723	16	166.7	0	85.0	39	123	135.4	4.55	20	
Surr: Decachlorobiphenyl	14.178		16.67		85.1	30	124		0	0	
Surr: Tetrachloro-m-xylene	16.053		16.67		96.3	40	118		0	0	

Sample ID: 105139-011ADUP		SampType: DUP		TestCode: 8082_S		Units: µg/Kg		Prep Date: 4/22/2009		RunNo: 108460		
Client ID: 1001-112-10-S		Batch ID: 54929		TestNo: EPA 8082		EPA 3550B		Analysis Date: 4/22/2009		SeqNo: 1701810		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016		ND	16						0	0	20	
Aroclor 1221		ND	33						0	0	20	
Aroclor 1232		ND	16						0	0	20	
Aroclor 1242		ND	16						0	0	20	
Aroclor 1248		ND	16						0	0	20	
Aroclor 1254		ND	16						0	0	20	
Aroclor 1260		ND	16						0	0	20	
Aroclor 1262		ND	16						0	0	20	
Aroclor 1268		ND	16						0	0	20	
Surr: Decachlorobiphenyl		14.305		16.67		85.8	30	124		0	0	
Surr: Tetrachloro-m-xylene		15.083		16.67		90.5	40	118		0	0	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



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TestCode: 8082_S

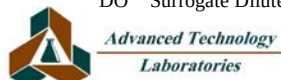
Sample ID: MB-54930	SampType: MBLK	TestCode: 8082_S	Units: µg/Kg	Prep Date: 4/22/2009	RunNo: 108479						
Client ID: PBS	Batch ID: 54930	TestNo: EPA 8082	EPA 3550B	Analysis Date: 4/23/2009	SeqNo: 1702183						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	16									
Aroclor 1221	ND	33									
Aroclor 1232	ND	16									
Aroclor 1242	ND	16									
Aroclor 1248	ND	16									
Aroclor 1254	ND	16									
Aroclor 1260	ND	16									
Aroclor 1262	ND	16									
Aroclor 1268	ND	16									
Surr: Decachlorobiphenyl	13.798		16.67		82.8	30	124				
Surr: Tetrachloro-m-xylene	14.333		16.67		86.0	40	118				

Sample ID: LCS-54930	SampType: LCS	TestCode: 8082_S	Units: µg/Kg	Prep Date: 4/22/2009	RunNo: 108479						
Client ID: LCSS	Batch ID: 54930	TestNo: EPA 8082	EPA 3550B	Analysis Date: 4/23/2009	SeqNo: 1702184						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	127.055	16	166.7	0	76.2	56	113				
Aroclor 1260	158.538	16	166.7	0	95.1	58	111				
Surr: Decachlorobiphenyl	13.778		16.67		82.7	30	124				
Surr: Tetrachloro-m-xylene	15.163		16.67		91.0	40	118				

Sample ID: 105139-027AMS	SampType: MS	TestCode: 8082_S	Units: µg/Kg	Prep Date: 4/22/2009	RunNo: 108479						
Client ID: 1001-111-10-S	Batch ID: 54930	TestNo: EPA 8082	EPA 3550B	Analysis Date: 4/23/2009	SeqNo: 1702185						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	139.227	16	166.7	0	83.5	51	111				
Aroclor 1260	171.350	16	166.7	0	103	39	123				
Surr: Decachlorobiphenyl	15.522		16.67		93.1	30	124				
Surr: Tetrachloro-m-xylene	17.960		16.67		108	40	118				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



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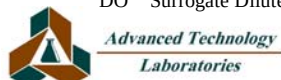
TestCode: 8082_S

Sample ID: 105139-027AMSD	SampType: MSD	TestCode: 8082_S	Units: µg/Kg	Prep Date: 4/22/2009	RunNo: 108479						
Client ID: 1001-111-10-S	Batch ID: 54930	TestNo: EPA 8082	EPA 3550B	Analysis Date: 4/23/2009	SeqNo: 1702186						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	139.388	16	166.7	0	83.6	51	111	139.2	0.116	20	
Aroclor 1260	169.658	16	166.7	0	102	39	123	171.4	0.992	20	
Surr: Decachlorobiphenyl	15.438		16.67		92.6	30	124		0	0	
Surr: Tetrachloro-m-xylene	17.877		16.67		107	40	118		0	0	

Sample ID: 105139-032ADUP		SampType: DUP		TestCode: 8082_S		Units: µg/Kg		Prep Date: 4/22/2009		RunNo: 108479		
Client ID: 1001-104-20-S		Batch ID: 54930		TestNo: EPA 8082		EPA 3550B		Analysis Date: 4/23/2009		SeqNo: 1702189		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016		ND	16						0	0	20	
Aroclor 1221		ND	33						0	0	20	
Aroclor 1232		ND	16						0	0	20	
Aroclor 1242		ND	16						0	0	20	
Aroclor 1248		ND	16						0	0	20	
Aroclor 1254		ND	16						0	0	20	
Aroclor 1260		ND	16						0	0	20	
Aroclor 1262		ND	16						0	0	20	
Aroclor 1268		ND	16						0	0	20	
Surr: Decachlorobiphenyl		14.673		16.67		88.0	30	124		0	0	
Surr: Tetrachloro-m-xylene		17.315		16.67		104	40	118		0	0	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
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DO	Surrogate Diluted Out		Calculations are based on raw values		



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TestCode: 8082_W

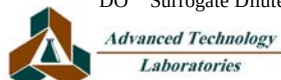
Sample ID: MB-54927	SampType: MBLK	TestCode: 8082_W	Units: µg/L	Prep Date: 4/22/2009	RunNo: 108430						
Client ID: PBW	Batch ID: 54927	TestNo: EPA 8082	EPA 3510C	Analysis Date: 4/23/2009	SeqNo: 1701283						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	0.50									
Aroclor 1221	ND	1.0									
Aroclor 1232	ND	0.50									
Aroclor 1242	ND	0.50									
Aroclor 1248	ND	0.50									
Aroclor 1254	ND	0.50									
Aroclor 1260	ND	0.50									
Aroclor 1262	ND	0.50									
Aroclor 1268	ND	0.50									
Surr: Decachlorobiphenyl	0.289		0.5000		57.8	29	130				
Surr: Tetrachloro-m-xylene	0.429		0.5000		85.7	48	126				

Sample ID: LCSA-54927	SampType: LCS	TestCode: 8082_W	Units: µg/L	Prep Date: 4/22/2009	RunNo: 108430						
Client ID: LCSW	Batch ID: 54927	TestNo: EPA 8082	EPA 3510C	Analysis Date: 4/23/2009	SeqNo: 1701284						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	3.723	0.50	5.000	0	74.5	59	113				
Aroclor 1260	4.014	0.50	5.000	0	80.3	60	114				
Surr: Decachlorobiphenyl	0.270		0.5000		54.0	29	130				
Surr: Tetrachloro-m-xylene	0.451		0.5000		90.3	48	126				

Sample ID: MB-54927MSA	SampType: MS	TestCode: 8082_W	Units: µg/L	Prep Date: 4/22/2009	RunNo: 108430						
Client ID: ZZZZZZ	Batch ID: 54927	TestNo: EPA 8082	EPA 3510C	Analysis Date: 4/23/2009	SeqNo: 1701285						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	3.606	0.50	5.000	0	72.1	59	113				
Aroclor 1260	3.977	0.50	5.000	0	79.5	60	114				
Surr: Decachlorobiphenyl	0.272		0.5000		54.3	29	130				
Surr: Tetrachloro-m-xylene	0.460		0.5000		92.0	48	126				

Qualifiers:

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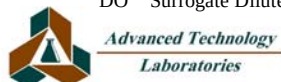
ANALYTICAL QC SUMMARY REPORT

TestCode: 8082_W

Sample ID: MB-54927MSDA	SampType: MSD	TestCode: 8082_W	Units: µg/L	Prep Date: 4/22/2009	RunNo: 108430						
Client ID: ZZZZZZ	Batch ID: 54927	TestNo: EPA 8082	EPA 3510C	Analysis Date: 4/23/2009	SeqNo: 1701286						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	3.798	0.50	5.000	0	76.0	59	113	3.606	5.19	20	
Aroclor 1260	4.067	0.50	5.000	0	81.3	60	114	3.977	2.25	20	
Surr: Decachlorobiphenyl	0.275		0.5000		54.9	29	130		0	0	
Surr: Tetrachloro-m-xylene	0.460		0.5000		91.9	48	126		0	0	

Qualifiers:

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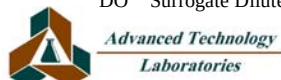
TestCode: 8260_S_5035

Sample ID: K090421LC1		SampType: LCS	TestCode: 8260_S_5035		Units: µg/Kg	Prep Date:			RunNo: 108377			
Client ID: LCSS		Batch ID: K09VS060	TestNo: EPA 8260B			Analysis Date: 4/21/2009			SeqNo: 1700485			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene		51.800	5.0	50.00	0	104	70	130				
Benzene		101.610	5.0	100.0	0	102	70	130				
Chlorobenzene		51.830	5.0	50.00	0	104	70	130				
MTBE		50.750	5.0	50.00	0	102	70	130				
Toluene		101.680	5.0	100.0	0	102	70	130				
Trichloroethene		52.390	5.0	50.00	0	105	70	130				
Surr: 1,2-Dichloroethane-d4		48.800		50.00		97.6	68	147				
Surr: 4-Bromofluorobenzene		53.420		50.00		107	67	127				
Surr: Dibromofluoromethane		52.330		50.00		105	72	141				
Surr: Toluene-d8		54.070		50.00		108	75	120				

Sample ID: K090421MB2		SampType: MBLK		TestCode: 8260_S_5035		Units: µg/Kg		Prep Date:			RunNo: 108377	
Client ID: PBS		Batch ID: K09VS060		TestNo: EPA 8260B		Analysis Date: 4/21/2009			SeqNo: 1700487			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane		ND	5.0									
1,1,1-Trichloroethane		ND	5.0									
1,1,2,2-Tetrachloroethane		ND	5.0									
1,1,2-Trichloroethane		ND	5.0									
1,1-Dichloroethane		ND	5.0									
1,1-Dichloroethene		ND	5.0									
1,1-Dichloropropene		ND	5.0									
1,2,3-Trichlorobenzene		ND	5.0									
1,2,3-Trichloropropane		ND	5.0									
1,2,4-Trichlorobenzene		ND	5.0									
1,2,4-Trimethylbenzene		ND	5.0									
1,2-Dibromo-3-chloropropane		ND	10									
1,2-Dibromoethane		ND	5.0									
1,2-Dichlorobenzene		ND	5.0									
1,2-Dichloroethane		ND	5.0									

Qualifiers:

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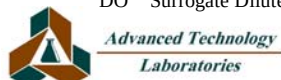
ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S_5035

Sample ID: K090421MB2	SampType: MBLK	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date:					RunNo: 108377		
Client ID: PBS	Batch ID: K09VS060	TestNo: EPA 8260B		Analysis Date: 4/21/2009					SeqNo: 1700487		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dichloropropane	ND	5.0									
1,3,5-Trimethylbenzene	ND	5.0									
1,3-Dichlorobenzene	ND	5.0									
1,3-Dichloropropane	ND	5.0									
1,4-Dichlorobenzene	ND	5.0									
2,2-Dichloropropane	ND	5.0									
2-Chlorotoluene	ND	5.0									
4-Chlorotoluene	ND	5.0									
4-Isopropyltoluene	ND	5.0									
Benzene	ND	5.0									
Bromobenzene	ND	5.0									
Bromodichloromethane	ND	5.0									
Bromoform	ND	5.0									
Bromomethane	ND	5.0									
Carbon tetrachloride	ND	5.0									
Chlorobenzene	ND	5.0									
Chloroethane	ND	5.0									
Chloroform	ND	5.0									
Chloromethane	ND	5.0									
cis-1,2-Dichloroethene	ND	5.0									
cis-1,3-Dichloropropene	ND	5.0									
Dibromochloromethane	ND	5.0									
Dibromomethane	ND	5.0									
Dichlorodifluoromethane	ND	5.0									
Ethylbenzene	ND	5.0									
Hexachlorobutadiene	ND	5.0									
Isopropylbenzene	ND	5.0									
m,p-Xylene	ND	10									
Methylene chloride	ND	5.0									
n-Butylbenzene	ND	5.0									

Qualifiers:

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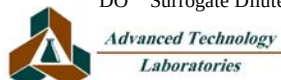
TestCode: 8260_S_5035

Sample ID: K090421MB2		SampType: MBLK		TestCode: 8260_S_5035		Units: µg/Kg		Prep Date:		RunNo: 108377		
Client ID: PBS		Batch ID: K09VS060		TestNo: EPA 8260B				Analysis Date: 4/21/2009		SeqNo: 1700487		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
n-Propylbenzene		ND	5.0									
Naphthalene		ND	5.0									
o-Xylene		ND	5.0									
sec-Butylbenzene		ND	5.0									
Styrene		ND	5.0									
tert-Butylbenzene		ND	5.0									
Tetrachloroethene		ND	5.0									
Toluene		ND	5.0									
trans-1,2-Dichloroethene		ND	5.0									
Trichloroethene		ND	5.0									
Trichlorofluoromethane		ND	5.0									
Vinyl chloride		ND	5.0									
Surr: 1,2-Dichloroethane-d4		50.400		50.00		101	68	147				
Surr: 4-Bromofluorobenzene		52.120		50.00		104	67	127				
Surr: Dibromofluoromethane		52.590		50.00		105	72	141				
Surr: Toluene-d8		53.790		50.00		108	75	120				

Sample ID: 105139-011C		SampType: DUP		TestCode: 8260_S_5035		Units: µg/Kg		Prep Date: 4/21/2009		RunNo: 108377		
Client ID: 1001-112-10-S		Batch ID: K09VS060		TestNo: EPA 8260B				Analysis Date: 4/21/2009		SeqNo: 1700499		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane		ND	5.0						0	0	20	
1,1,1-Trichloroethane		ND	5.0						0	0	20	
1,1,2,2-Tetrachloroethane		ND	5.0						0	0	20	
1,1,2-Trichloroethane		ND	5.0						0	0	20	
1,1-Dichloroethane		ND	5.0						0	0	20	
1,1-Dichloroethene		ND	5.0						0	0	20	
1,1-Dichloropropene		ND	5.0						0	0	20	
1,2,3-Trichlorobenzene		ND	5.0						0	0	20	
1,2,3-Trichloropropane		ND	5.0						0	0	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
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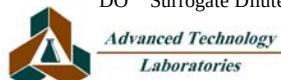
ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S_5035

Sample ID: 105139-011C	SampType: DUP	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date: 4/21/2009	RunNo: 108377						
Client ID: 1001-112-10-S	Batch ID: K09VS060	TestNo: EPA 8260B		Analysis Date: 4/21/2009	SeqNo: 1700499						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	ND	5.0						0	0	20	
1,2,4-Trimethylbenzene	ND	5.0						0	0	20	
1,2-Dibromo-3-chloropropane	ND	10						0	0	20	
1,2-Dibromoethane	ND	5.0						0	0	20	
1,2-Dichlorobenzene	ND	5.0						0	0	20	
1,2-Dichloroethane	ND	5.0						0	0	20	
1,2-Dichloropropane	ND	5.0						0	0	20	
1,3,5-Trimethylbenzene	ND	5.0						0	0	20	
1,3-Dichlorobenzene	ND	5.0						0	0	20	
1,3-Dichloropropane	ND	5.0						0	0	20	
1,4-Dichlorobenzene	ND	5.0						0	0	20	
2,2-Dichloropropane	ND	5.0						0	0	20	
2-Butanone	ND	50						0	0	20	
2-Chloroethyl vinyl ether	ND	5.0						0	0	20	
2-Chlorotoluene	ND	5.0						0	0	20	
2-Hexanone	ND	50						0	0	20	
4-Chlorotoluene	ND	5.0						0	0	20	
4-Isopropyltoluene	ND	5.0						0	0	20	
4-Methyl-2-pentanone	ND	50						0	0	20	
Acetone	ND	50						0	0	20	
Acrolein	ND	50						0	0	20	
Acrylonitrile	ND	50						0	0	20	
Benzene	ND	5.0						0	0	20	
Bromobenzene	ND	5.0						0	0	20	
Bromochloromethane	ND	5.0						0	0	20	
Bromodichloromethane	ND	5.0						0	0	20	
Bromoform	ND	5.0						0	0	20	
Bromomethane	ND	5.0						0	0	20	
Carbon disulfide	ND	5.0						0	0	20	
Carbon tetrachloride	ND	5.0						0	0	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
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Work Order: 105139
Project: 207126015

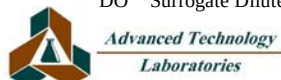
ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S_5035

Sample ID: 105139-011C	SampType: DUP	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date: 4/21/2009	RunNo: 108377						
Client ID: 1001-112-10-S	Batch ID: K09VS060	TestNo: EPA 8260B		Analysis Date: 4/21/2009	SeqNo: 1700499						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorobenzene	ND	5.0						0	0	20	
Chloroethane	ND	5.0						0	0	20	
Chloroform	ND	5.0						0	0	20	
Chloromethane	ND	5.0						0	0	20	
cis-1,2-Dichloroethene	ND	5.0						0	0	20	
cis-1,3-Dichloropropene	ND	5.0						0	0	20	
Cyclohexanone	ND	50						0	0	20	
Di-isopropyl ether	ND	5.0						0	0	20	
Dibromochloromethane	ND	5.0						0	0	20	
Dibromomethane	ND	5.0						0	0	20	
Dichlorodifluoromethane	ND	5.0						0	0	20	
Ethyl Acetate	ND	50						0	0	20	
Ethyl Ether	ND	50						0	0	20	
Ethyl Tert-butyl ether	ND	5.0						0	0	20	
Ethylbenzene	ND	5.0						0	0	20	
Freon-113	ND	5.0						0	0	20	
Hexachlorobutadiene	ND	5.0						0	0	20	
Iodomethane	ND	5.0						0	0	20	
Isopropylbenzene	ND	5.0						0	0	20	
m,p-Xylene	ND	10						0	0	20	
Methylene chloride	ND	5.0						0	0	20	
MTBE	ND	5.0						0	0	20	
n-Butylbenzene	ND	5.0						0	0	20	
n-Propylbenzene	ND	5.0						0	0	20	
Naphthalene	ND	5.0						0	0	20	
o-Xylene	ND	5.0						0	0	20	
sec-Butylbenzene	ND	5.0						0	0	20	
Styrene	ND	5.0						0	0	20	
Tert-amyl methyl ether	ND	5.0						0	0	20	
Tert-Butanol	ND	100						0	0	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



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CLIENT: Ninyo & Moore
Work Order: 105139
Project: 207126015

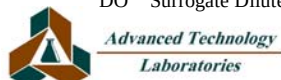
ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S_5035

Sample ID: 105139-011C	SampType: DUP	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date: 4/21/2009	RunNo: 108377						
Client ID: 1001-112-10-S	Batch ID: K09VS060	TestNo: EPA 8260B		Analysis Date: 4/21/2009	SeqNo: 1700499						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
tert-Butylbenzene	ND	5.0						0	0	20	
Tetrachloroethene	ND	5.0						0	0	20	
Toluene	ND	5.0						0	0	20	
trans-1,2-Dichloroethene	ND	5.0						0	0	20	
trans-1,3-Dichloropropene	ND	5.0						0	0	20	
Trichloroethene	ND	5.0						0	0	20	
Trichlorofluoromethane	ND	5.0						0	0	20	
Vinyl acetate	ND	50						0	0	20	
Vinyl chloride	ND	5.0						0	0	20	
Xylenes, Total	ND	15						0	0	20	
Surr: 1,2-Dichloroethane-d4	60.986		49.80		122	68	147		0	20	
Surr: 4-Bromofluorobenzene	55.986		49.80		112	67	127		0	20	
Surr: Dibromofluoromethane	58.855		49.80		118	72	141		0	20	
Surr: Toluene-d8	55.129		49.80		111	75	120		0	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
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DO	Surrogate Diluted Out		Calculations are based on raw values		



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ANALYTICAL QC SUMMARY REPORT

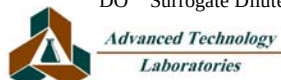
TestCode: 8260_S_5035

Sample ID: T090421LC1		SampType: LCS		TestCode: 8260_S_5035		Units: µg/Kg		Prep Date:		RunNo: 108345		
Client ID: LCSS		Batch ID: T09VS102		TestNo: EPA 8260B				Analysis Date: 4/21/2009		SeqNo: 1699941		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene		49.960	5.0	50.00	0	99.9	70	130				
Benzene		107.440	5.0	100.0	0	107	70	130				
Chlorobenzene		51.810	5.0	50.00	0	104	70	130				
MTBE		52.590	5.0	50.00	0	105	70	130				
Toluene		113.070	5.0	100.0	0	113	70	130				
Trichloroethene		48.040	5.0	50.00	0	96.1	70	130				
Surr: 1,2-Dichloroethane-d4		47.680		50.00		95.4	68	147				
Surr: 4-Bromofluorobenzene		51.440		50.00		103	67	127				
Surr: Dibromofluoromethane		50.640		50.00		101	72	141				
Surr: Toluene-d8		56.870		50.00		114	75	120				

Sample ID: T090421MB2		SampType: MBLK		TestCode: 8260_S_5035		Units: µg/Kg		Prep Date:			RunNo: 108345	
Client ID: PBS		Batch ID: T09VS102		TestNo: EPA 8260B		Analysis Date: 4/21/2009			SeqNo: 1699943			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane		ND	5.0									
1,1,1-Trichloroethane		ND	5.0									
1,1,2,2-Tetrachloroethane		ND	5.0									
1,1,2-Trichloroethane		ND	5.0									
1,1-Dichloroethane		ND	5.0									
1,1-Dichloroethene		ND	5.0									
1,1-Dichloropropene		ND	5.0									
1,2,3-Trichlorobenzene		ND	5.0									
1,2,3-Trichloropropane		ND	5.0									
1,2,4-Trichlorobenzene		ND	5.0									
1,2,4-Trimethylbenzene		ND	5.0									
1,2-Dibromo-3-chloropropane		ND	10									
1,2-Dibromoethane		ND	5.0									
1,2-Dichlorobenzene		ND	5.0									
1,2-Dichloroethane		ND	5.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



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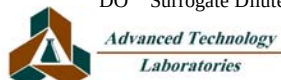
ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S_5035

Sample ID: T090421MB2	SampType: MBLK	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date:					RunNo: 108345		
Client ID: PBS	Batch ID: T09VS102	TestNo: EPA 8260B		Analysis Date: 4/21/2009					SeqNo: 1699943		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dichloropropane	ND	5.0									
1,3,5-Trimethylbenzene	ND	5.0									
1,3-Dichlorobenzene	ND	5.0									
1,3-Dichloropropane	ND	5.0									
1,4-Dichlorobenzene	ND	5.0									
2,2-Dichloropropane	ND	5.0									
2-Chlorotoluene	ND	5.0									
4-Chlorotoluene	ND	5.0									
4-Isopropyltoluene	ND	5.0									
Benzene	ND	5.0									
Bromobenzene	ND	5.0									
Bromodichloromethane	ND	5.0									
Bromoform	ND	5.0									
Bromomethane	ND	5.0									
Carbon tetrachloride	ND	5.0									
Chlorobenzene	ND	5.0									
Chloroethane	ND	5.0									
Chloroform	ND	5.0									
Chloromethane	ND	5.0									
cis-1,2-Dichloroethene	ND	5.0									
cis-1,3-Dichloropropene	ND	5.0									
Dibromochloromethane	ND	5.0									
Dibromomethane	ND	5.0									
Dichlorodifluoromethane	ND	5.0									
Ethylbenzene	ND	5.0									
Hexachlorobutadiene	ND	5.0									
Isopropylbenzene	ND	5.0									
m,p-Xylene	ND	10									
Methylene chloride	ND	5.0									
n-Butylbenzene	ND	5.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
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ANALYTICAL QC SUMMARY REPORT

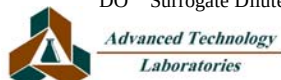
TestCode: 8260_S_5035

Sample ID: T090421MB2		SampType: MBLK	TestCode: 8260_S_5035		Units: µg/Kg	Prep Date:			RunNo: 108345		
Client ID: PBS	Batch ID: T09VS102		TestNo: EPA 8260B		Analysis Date: 4/21/2009			SeqNo: 1699943			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
n-Propylbenzene	ND	5.0									
Naphthalene	ND	5.0									
o-Xylene	ND	5.0									
sec-Butylbenzene	ND	5.0									
Styrene	ND	5.0									
tert-Butylbenzene	ND	5.0									
Tetrachloroethene	ND	5.0									
Toluene	ND	5.0									
trans-1,2-Dichloroethene	ND	5.0									
Trichloroethene	ND	5.0									
Trichlorofluoromethane	ND	5.0									
Vinyl chloride	ND	5.0									
Surr: 1,2-Dichloroethane-d4	48.750		50.00		97.5	68	147				
Surr: 4-Bromofluorobenzene	53.010		50.00		106	67	127				
Surr: Dibromofluoromethane	52.970		50.00		106	72	141				
Surr: Toluene-d8	57.000		50.00		114	75	120				

Sample ID: 105139-001C	SampType: DUP	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date: 4/21/2009	RunNo: 108345						
Client ID: 1001-101-2-S	Batch ID: T09VS102	TestNo: EPA 8260B		Analysis Date: 4/21/2009	SeqNo: 1699954						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	5.9						0	0	20	
1,1,1-Trichloroethane	ND	5.9						0	0	20	
1,1,2,2-Tetrachloroethane	ND	5.9						0	0	20	
1,1,2-Trichloroethane	ND	5.9						0	0	20	
1,1-Dichloroethane	ND	5.9						0	0	20	
1,1-Dichloroethene	ND	5.9						0	0	20	
1,1-Dichloropropene	ND	5.9						0	0	20	
1,2,3-Trichlorobenzene	ND	5.9						0	0	20	
1,2,3-Trichloropropane	ND	5.9						0	0	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
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DO	Surrogate Diluted Out		Calculations are based on raw values		



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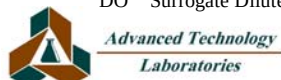
ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S_5035

Sample ID: 105139-001C	SampType: DUP	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date: 4/21/2009	RunNo: 108345						
Client ID: 1001-101-2-S	Batch ID: T09VS102	TestNo: EPA 8260B		Analysis Date: 4/21/2009	SeqNo: 1699954						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	ND	5.9						0	0	20	
1,2,4-Trimethylbenzene	ND	5.9						0	0	20	
1,2-Dibromo-3-chloropropane	ND	12						0	0	20	
1,2-Dibromoethane	ND	5.9						0	0	20	
1,2-Dichlorobenzene	ND	5.9						0	0	20	
1,2-Dichloroethane	ND	5.9						0	0	20	
1,2-Dichloropropane	ND	5.9						0	0	20	
1,3,5-Trimethylbenzene	ND	5.9						0	0	20	
1,3-Dichlorobenzene	ND	5.9						0	0	20	
1,3-Dichloropropane	ND	5.9						0	0	20	
1,4-Dichlorobenzene	ND	5.9						0	0	20	
2,2-Dichloropropane	ND	5.9						0	0	20	
2-Butanone	ND	59						0	0	20	
2-Chloroethyl vinyl ether	ND	5.9						0	0	20	
2-Chlorotoluene	ND	5.9						0	0	20	
2-Hexanone	ND	59						0	0	20	
4-Chlorotoluene	ND	5.9						0	0	20	
4-Isopropyltoluene	ND	5.9						0	0	20	
4-Methyl-2-pentanone	ND	59						0	0	20	
Acetone	ND	59						8.877	0	20	
Acrolein	ND	59						0	0	20	
Acrylonitrile	ND	59						0	0	20	
Benzene	ND	5.9						0	0	20	
Bromobenzene	ND	5.9						0	0	20	
Bromochloromethane	ND	5.9						0	0	20	
Bromodichloromethane	ND	5.9						0	0	20	
Bromoform	ND	5.9						0	0	20	
Bromomethane	ND	5.9						0	0	20	
Carbon disulfide	ND	5.9						0	0	20	
Carbon tetrachloride	ND	5.9						0	0	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



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Work Order: 105139
Project: 207126015

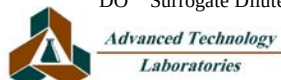
ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S_5035

Sample ID: 105139-001C	SampType: DUP	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date: 4/21/2009	RunNo: 108345						
Client ID: 1001-101-2-S	Batch ID: T09VS102	TestNo: EPA 8260B		Analysis Date: 4/21/2009	SeqNo: 1699954						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorobenzene	ND	5.9						0	0	20	
Chloroethane	ND	5.9						0	0	20	
Chloroform	ND	5.9						0	0	20	
Chloromethane	ND	5.9						0	0	20	
cis-1,2-Dichloroethene	ND	5.9						0	0	20	
cis-1,3-Dichloropropene	ND	5.9						0	0	20	
Cyclohexanone	ND	59						0	0	20	
Di-isopropyl ether	ND	5.9						0	0	20	
Dibromochloromethane	ND	5.9						0	0	20	
Dibromomethane	ND	5.9						0	0	20	
Dichlorodifluoromethane	ND	5.9						0	0	20	
Ethyl Acetate	ND	59						0	0	20	
Ethyl Ether	ND	59						0	0	20	
Ethyl Tert-butyl ether	ND	5.9						0	0	20	
Ethylbenzene	ND	5.9						0	0	20	
Freon-113	ND	5.9						0	0	20	
Hexachlorobutadiene	ND	5.9						0	0	20	
Iodomethane	ND	5.9						0	0	20	
Isopropylbenzene	ND	5.9						0	0	20	
m,p-Xylene	ND	12						0	0	20	
Methylene chloride	ND	5.9						0	0	20	
MTBE	ND	5.9						0	0	20	
n-Butylbenzene	ND	5.9						0	0	20	
n-Propylbenzene	ND	5.9						0	0	20	
Naphthalene	ND	5.9						0	0	20	
o-Xylene	ND	5.9						0	0	20	
sec-Butylbenzene	ND	5.9						0	0	20	
Styrene	ND	5.9						0	0	20	
Tert-amyl methyl ether	ND	5.9						0	0	20	
Tert-Butanol	ND	120						0	0	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



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CLIENT: Ninyo & Moore
Work Order: 105139
Project: 207126015

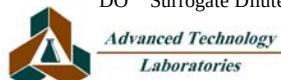
ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S_5035

Sample ID: 105139-001C	SampType: DUP	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date: 4/21/2009	RunNo: 108345						
Client ID: 1001-101-2-S	Batch ID: T09VS102	TestNo: EPA 8260B		Analysis Date: 4/21/2009	SeqNo: 1699954						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
tert-Butylbenzene	ND	5.9						0	0	20	
Tetrachloroethene	7.055	5.9						5.456	25.6	20	R
Toluene	ND	5.9						0	0	20	
trans-1,2-Dichloroethene	ND	5.9						0	0	20	
trans-1,3-Dichloropropene	ND	5.9						0	0	20	
Trichloroethene	ND	5.9						0	0	20	
Trichlorofluoromethane	ND	5.9						0	0	20	
Vinyl acetate	ND	59						0	0	20	
Vinyl chloride	ND	5.9						0	0	20	
Xylenes, Total	ND	18						0	0	20	
Surr: 1,2-Dichloroethane-d4	68.717		59.38		116	68	147		0	20	
Surr: 4-Bromofluorobenzene	59.988		59.38		101	67	127		0	20	
Surr: Dibromofluoromethane	63.587		59.38		107	72	141		0	20	
Surr: Toluene-d8	66.995		59.38		113	75	120		0	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



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Project: 207126015

ANALYTICAL QC SUMMARY REPORT

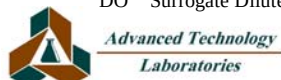
TestCode: 8260_S_5035

Sample ID: T090421LC3		SampType: LCS	TestCode: 8260_S_5035		Units: µg/Kg	Prep Date:			RunNo: 108371		
Client ID: LCSS		Batch ID: T09VS103	TestNo: EPA 8260B			Analysis Date: 4/21/2009			SeqNo: 1700436		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	50.740	5.0	50.00	0	101	70	130				
Benzene	109.300	5.0	100.0	0	109	70	130				
Chlorobenzene	51.120	5.0	50.00	0	102	70	130				
MTBE	52.700	5.0	50.00	0	105	70	130				
Toluene	113.450	5.0	100.0	0	113	70	130				
Trichloroethene	46.600	5.0	50.00	0	93.2	70	130				
Surr: 1,2-Dichloroethane-d4	52.390		50.00		105	68	147				
Surr: 4-Bromofluorobenzene	52.740		50.00		105	67	127				
Surr: Dibromofluoromethane	55.990		50.00		112	72	141				
Surr: Toluene-d8	59.420		50.00		119	75	120				

Sample ID: T090421MB4		SampType: MBLK		TestCode: 8260_S_5035		Units: µg/Kg		Prep Date:			RunNo: 108371	
Client ID: PBS		Batch ID: T09VS103		TestNo: EPA 8260B		Analysis Date: 4/21/2009			SeqNo: 1700438			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane		ND	5.0									
1,1,1-Trichloroethane		ND	5.0									
1,1,2,2-Tetrachloroethane		ND	5.0									
1,1,2-Trichloroethane		ND	5.0									
1,1-Dichloroethane		ND	5.0									
1,1-Dichloroethene		ND	5.0									
1,1-Dichloropropene		ND	5.0									
1,2,3-Trichlorobenzene		ND	5.0									
1,2,3-Trichloropropane		ND	5.0									
1,2,4-Trichlorobenzene		ND	5.0									
1,2,4-Trimethylbenzene		ND	5.0									
1,2-Dibromo-3-chloropropane		ND	10									
1,2-Dibromoethane		ND	5.0									
1,2-Dichlorobenzene		ND	5.0									
1,2-Dichloroethane		ND	5.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



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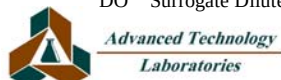
ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S_5035

Sample ID: T090421MB4	SampType: MBLK	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date:					RunNo: 108371		
Client ID: PBS	Batch ID: T09VS103	TestNo: EPA 8260B		Analysis Date: 4/21/2009					SeqNo: 1700438		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dichloropropane	ND	5.0									
1,3,5-Trimethylbenzene	ND	5.0									
1,3-Dichlorobenzene	ND	5.0									
1,3-Dichloropropane	ND	5.0									
1,4-Dichlorobenzene	ND	5.0									
2,2-Dichloropropane	ND	5.0									
2-Chlorotoluene	ND	5.0									
4-Chlorotoluene	ND	5.0									
4-Isopropyltoluene	ND	5.0									
Benzene	ND	5.0									
Bromobenzene	ND	5.0									
Bromodichloromethane	ND	5.0									
Bromoform	ND	5.0									
Bromomethane	ND	5.0									
Carbon tetrachloride	ND	5.0									
Chlorobenzene	ND	5.0									
Chloroethane	ND	5.0									
Chloroform	ND	5.0									
Chloromethane	ND	5.0									
cis-1,2-Dichloroethene	ND	5.0									
cis-1,3-Dichloropropene	ND	5.0									
Dibromochloromethane	ND	5.0									
Dibromomethane	ND	5.0									
Dichlorodifluoromethane	ND	5.0									
Ethylbenzene	ND	5.0									
Hexachlorobutadiene	ND	5.0									
Isopropylbenzene	ND	5.0									
m,p-Xylene	ND	10									
Methylene chloride	ND	5.0									
n-Butylbenzene	ND	5.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



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ANALYTICAL QC SUMMARY REPORT

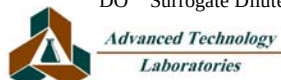
TestCode: 8260_S_5035

Sample ID: T090421MB4		SampType: MBLK		TestCode: 8260_S_5035		Units: µg/Kg		Prep Date:		RunNo: 108371		
Client ID: PBS		Batch ID: T09VS103		TestNo: EPA 8260B				Analysis Date: 4/21/2009		SeqNo: 1700438		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
n-Propylbenzene		ND	5.0									
Naphthalene		ND	5.0									
o-Xylene		ND	5.0									
sec-Butylbenzene		ND	5.0									
Styrene		ND	5.0									
tert-Butylbenzene		ND	5.0									
Tetrachloroethene		ND	5.0									
Toluene		ND	5.0									
trans-1,2-Dichloroethene		ND	5.0									
Trichloroethene		ND	5.0									
Trichlorofluoromethane		ND	5.0									
Vinyl chloride		ND	5.0									
Surr: 1,2-Dichloroethane-d4		52.770		50.00		106	68	147				
Surr: 4-Bromofluorobenzene		52.350		50.00		105	67	127				
Surr: Dibromofluoromethane		55.370		50.00		111	72	141				
Surr: Toluene-d8		59.490		50.00		119	75	120				

Sample ID: 105139-005C	SampType: DUP	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date: 4/21/2009	RunNo: 108371						
Client ID: 1001-102-2-S	Batch ID: T09VS103	TestNo: EPA 8260B		Analysis Date: 4/21/2009	SeqNo: 1700449						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	4.8						0	0	20	
1,1,1-Trichloroethane	ND	4.8						0	0	20	
1,1,2,2-Tetrachloroethane	ND	4.8						0	0	20	
1,1,2-Trichloroethane	ND	4.8						0	0	20	
1,1-Dichloroethane	ND	4.8						0	0	20	
1,1-Dichloroethene	ND	4.8						0	0	20	
1,1-Dichloropropene	ND	4.8						0	0	20	
1,2,3-Trichlorobenzene	ND	4.8						0	0	20	
1,2,3-Trichloropropane	ND	4.8						0	0	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
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DO	Surrogate Diluted Out		Calculations are based on raw values		



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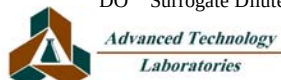
ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S_5035

Sample ID: 105139-005C	SampType: DUP	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date: 4/21/2009	RunNo: 108371						
Client ID: 1001-102-2-S	Batch ID: T09VS103	TestNo: EPA 8260B		Analysis Date: 4/21/2009	SeqNo: 1700449						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	ND	4.8						0	0	20	
1,2,4-Trimethylbenzene	ND	4.8						0	0	20	
1,2-Dibromo-3-chloropropane	ND	9.6						0	0	20	
1,2-Dibromoethane	ND	4.8						0	0	20	
1,2-Dichlorobenzene	ND	4.8						0	0	20	
1,2-Dichloroethane	ND	4.8						0	0	20	
1,2-Dichloropropane	ND	4.8						0	0	20	
1,3,5-Trimethylbenzene	ND	4.8						0	0	20	
1,3-Dichlorobenzene	ND	4.8						0	0	20	
1,3-Dichloropropane	ND	4.8						0	0	20	
1,4-Dichlorobenzene	ND	4.8						0	0	20	
2,2-Dichloropropane	ND	4.8						0	0	20	
2-Butanone	ND	48						0	0	20	
2-Chloroethyl vinyl ether	ND	4.8						0	0	20	
2-Chlorotoluene	ND	4.8						0	0	20	
2-Hexanone	ND	48						0	0	20	
4-Chlorotoluene	ND	4.8						0	0	20	
4-Isopropyltoluene	ND	4.8						0	0	20	
4-Methyl-2-pentanone	ND	48						0	0	20	
Acetone	15.048	48						25.19	0	20	
Acrolein	ND	48						0	0	20	
Acrylonitrile	ND	48						0	0	20	
Benzene	ND	4.8						0	0	20	
Bromobenzene	ND	4.8						0	0	20	
Bromochloromethane	ND	4.8						0	0	20	
Bromodichloromethane	ND	4.8						0	0	20	
Bromoform	ND	4.8						0	0	20	
Bromomethane	ND	4.8						0	0	20	
Carbon disulfide	ND	4.8						0	0	20	
Carbon tetrachloride	ND	4.8						0	0	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
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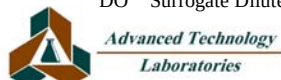
ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S_5035

Sample ID: 105139-005C	SampType: DUP	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date: 4/21/2009	RunNo: 108371						
Client ID: 1001-102-2-S	Batch ID: T09VS103	TestNo: EPA 8260B		Analysis Date: 4/21/2009	SeqNo: 1700449						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorobenzene	ND	4.8						0	0	20	
Chloroethane	ND	4.8						0	0	20	
Chloroform	ND	4.8						0	0	20	
Chloromethane	ND	4.8						0	0	20	
cis-1,2-Dichloroethene	ND	4.8						0	0	20	
cis-1,3-Dichloropropene	ND	4.8						0	0	20	
Cyclohexanone	ND	48						0	0	20	
Di-isopropyl ether	ND	4.8						0	0	20	
Dibromochloromethane	ND	4.8						0	0	20	
Dibromomethane	ND	4.8						0	0	20	
Dichlorodifluoromethane	ND	4.8						0	0	20	
Ethyl Acetate	ND	48						0	0	20	
Ethyl Ether	ND	48						0	0	20	
Ethyl Tert-butyl ether	ND	4.8						0	0	20	
Ethylbenzene	ND	4.8						0	0	20	
Freon-113	ND	4.8						0	0	20	
Hexachlorobutadiene	ND	4.8						0	0	20	
Iodomethane	ND	4.8						0	0	20	
Isopropylbenzene	ND	4.8						0	0	20	
m,p-Xylene	ND	9.6						0	0	20	
Methylene chloride	ND	4.8						0	0	20	
MTBE	ND	4.8						0	0	20	
n-Butylbenzene	ND	4.8						0	0	20	
n-Propylbenzene	ND	4.8						0	0	20	
Naphthalene	ND	4.8						0	0	20	
o-Xylene	ND	4.8						0	0	20	
sec-Butylbenzene	ND	4.8						0	0	20	
Styrene	ND	4.8						0	0	20	
Tert-amyl methyl ether	ND	4.8						0	0	20	
Tert-Butanol	ND	96						0	0	20	

Qualifiers:

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DO	Surrogate Diluted Out		Calculations are based on raw values		



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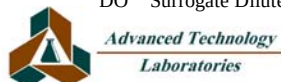
ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S_5035

Sample ID: 105139-005C	SampType: DUP	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date: 4/21/2009	RunNo: 108371						
Client ID: 1001-102-2-S	Batch ID: T09VS103	TestNo: EPA 8260B		Analysis Date: 4/21/2009	SeqNo: 1700449						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
tert-Butylbenzene	ND	4.8						0	0	20	
Tetrachloroethene	14.111	4.8						18.21	25.3	20	
Toluene	ND	4.8						0.7550	0	20	
trans-1,2-Dichloroethene	ND	4.8						0	0	20	
trans-1,3-Dichloropropene	ND	4.8						0	0	20	
Trichloroethene	ND	4.8						3.899	0	20	
Trichlorofluoromethane	ND	4.8						0	0	20	
Vinyl acetate	ND	48						0	0	20	
Vinyl chloride	ND	4.8						0	0	20	
Xylenes, Total	ND	14						0	0	20	
Surr: 1,2-Dichloroethane-d4	53.652		47.80		112	68	147		0	20	
Surr: 4-Bromofluorobenzene	50.172		47.80		105	67	127		0	20	
Surr: Dibromofluoromethane	54.551		47.80		114	72	141		0	20	
Surr: Toluene-d8	55.966		47.80		117	75	120		0	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



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ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S_5035

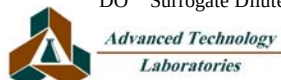
Sample ID: T090422LC1		SampType: LCS	TestCode: 8260_S_5035		Units: µg/Kg	Prep Date:			RunNo: 108373		
Client ID: LCSS	Batch ID: T09VS104		TestNo: EPA 8260B		Analysis Date: 4/22/2009			SeqNo: 1700457			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	50.360	5.0	50.00	0	101	70	130				
Benzene	107.770	5.0	100.0	0	108	70	130				
Chlorobenzene	52.940	5.0	50.00	0	106	70	130				
MTBE	53.080	5.0	50.00	0	106	70	130				
Toluene	112.110	5.0	100.0	0	112	70	130				
Trichloroethene	47.860	5.0	50.00	0	95.7	70	130				
Surr: 1,2-Dichloroethane-d4	48.030		50.00		96.1	68	147				
Surr: 4-Bromofluorobenzene	51.740		50.00		103	67	127				
Surr: Dibromofluoromethane	52.460		50.00		105	72	141				
Surr: Toluene-d8	56.590		50.00		113	75	120				

Sample ID: T090422LC2		SampType: LCSD	TestCode: 8260_S_5035		Units: µg/Kg	Prep Date:			RunNo: 108373		
Client ID: LCSS02	Batch ID: T09VS104		TestNo: EPA 8260B			Analysis Date: 4/22/2009			SeqNo: 1700458		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	50.330	5.0	50.00	0	101	70	130	50.36	0.0596	20	
Benzene	110.730	5.0	100.0	0	111	70	130	107.8	2.71	20	
Chlorobenzene	51.760	5.0	50.00	0	104	70	130	52.94	2.25	20	
MTBE	51.220	5.0	50.00	0	102	70	130	53.08	3.57	20	
Toluene	110.930	5.0	100.0	0	111	70	130	112.1	1.06	20	
Trichloroethene	46.780	5.0	50.00	0	93.6	70	130	47.86	2.28	20	
Surr: 1,2-Dichloroethane-d4	47.530		50.00		95.1	68	147		0	20	
Surr: 4-Bromofluorobenzene	50.730		50.00		101	67	127		0	20	
Surr: Dibromofluoromethane	51.790		50.00		104	72	141		0	20	
Surr: Toluene-d8	56.990		50.00		114	75	120		0	20	

Sample ID: T090422MB2	SampType: MBLK	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date:	RunNo: 108373						
Client ID: PBS	Batch ID: T09VS104	TestNo: EPA 8260B		Analysis Date: 4/22/2009	SeqNo: 1701063						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



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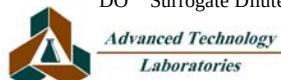
ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S_5035

Sample ID: T090422MB2	SampType: MBLK	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date:					RunNo: 108373		
Client ID: PBS	Batch ID: T09VS104	TestNo: EPA 8260B		Analysis Date: 4/22/2009					SeqNo: 1701063		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0									
1,1,1-Trichloroethane	ND	5.0									
1,1,2,2-Tetrachloroethane	ND	5.0									
1,1,2-Trichloroethane	ND	5.0									
1,1-Dichloroethane	ND	5.0									
1,1-Dichloroethene	ND	5.0									
1,1-Dichloropropene	ND	5.0									
1,2,3-Trichlorobenzene	ND	5.0									
1,2,3-Trichloropropane	ND	5.0									
1,2,4-Trichlorobenzene	ND	5.0									
1,2,4-Trimethylbenzene	ND	5.0									
1,2-Dibromo-3-chloropropane	ND	10									
1,2-Dibromoethane	ND	5.0									
1,2-Dichlorobenzene	ND	5.0									
1,2-Dichloroethane	ND	5.0									
1,2-Dichloropropane	ND	5.0									
1,3,5-Trimethylbenzene	ND	5.0									
1,3-Dichlorobenzene	ND	5.0									
1,3-Dichloropropane	ND	5.0									
1,4-Dichlorobenzene	ND	5.0									
2,2-Dichloropropane	ND	5.0									
2-Chlorotoluene	ND	5.0									
4-Chlorotoluene	ND	5.0									
4-Isopropyltoluene	ND	5.0									
Benzene	ND	5.0									
Bromobenzene	ND	5.0									
Bromodichloromethane	ND	5.0									
Bromoform	ND	5.0									
Bromomethane	ND	5.0									
Carbon tetrachloride	ND	5.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
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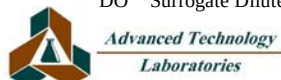
ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S_5035

Sample ID: T090422MB2	SampType: MBLK	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date:				RunNo: 108373			
Client ID: PBS	Batch ID: T09VS104	TestNo: EPA 8260B		Analysis Date: 4/22/2009				SeqNo: 1701063			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorobenzene	ND	5.0									
Chloroethane	ND	5.0									
Chloroform	ND	5.0									
Chloromethane	ND	5.0									
cis-1,2-Dichloroethene	ND	5.0									
cis-1,3-Dichloropropene	ND	5.0									
Dibromochloromethane	ND	5.0									
Dibromomethane	ND	5.0									
Dichlorodifluoromethane	ND	5.0									
Ethylbenzene	ND	5.0									
Hexachlorobutadiene	ND	5.0									
Isopropylbenzene	ND	5.0									
m,p-Xylene	ND	10									
Methylene chloride	ND	5.0									
n-Butylbenzene	ND	5.0									
n-Propylbenzene	ND	5.0									
Naphthalene	ND	5.0									
o-Xylene	ND	5.0									
sec-Butylbenzene	ND	5.0									
Styrene	ND	5.0									
tert-Butylbenzene	ND	5.0									
Tetrachloroethene	ND	5.0									
Toluene	ND	5.0									
trans-1,2-Dichloroethene	ND	5.0									
Trichloroethene	ND	5.0									
Trichlorofluoromethane	ND	5.0									
Vinyl chloride	ND	5.0									
Surr: 1,2-Dichloroethane-d4	46.150		50.00		92.3	68	147				
Surr: 4-Bromofluorobenzene	48.730		50.00		97.5	67	127				
Surr: Dibromofluoromethane	49.160		50.00		98.3	72	141				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



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Work Order: 105139
Project: 207126015

ANALYTICAL QC SUMMARY REPORT

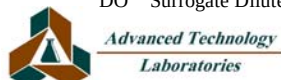
TestCode: 8260_S_5035

Sample ID: T090422MB2		SampType: MBLK		TestCode: 8260_S_5035		Units: µg/Kg		Prep Date:		RunNo: 108373			
Client ID: PBS		Batch ID: T09VS104		TestNo: EPA 8260B				Analysis Date: 4/22/2009		SeqNo: 1701063			
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Toluene-d8		55.680			50.00		111	75	120				

Sample ID: 105139-025C	SampType: DUP	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date: 4/22/2009	RunNo: 108373						
Client ID: 1001-111-2D-S	Batch ID: T09VS104	TestNo: EPA 8260B		Analysis Date: 4/22/2009	SeqNo: 1701074						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	5.4						0	0	20	
1,1,1-Trichloroethane	ND	5.4						0	0	20	
1,1,2,2-Tetrachloroethane	ND	5.4						0	0	20	
1,1,2-Trichloroethane	ND	5.4						0	0	20	
1,1-Dichloroethane	ND	5.4						0	0	20	
1,1-Dichloroethene	ND	5.4						0	0	20	
1,1-Dichloropropene	ND	5.4						0	0	20	
1,2,3-Trichlorobenzene	ND	5.4						0	0	20	
1,2,3-Trichloropropane	ND	5.4						0	0	20	
1,2,4-Trichlorobenzene	ND	5.4						0	0	20	
1,2,4-Trimethylbenzene	ND	5.4						0	0	20	
1,2-Dibromo-3-chloropropane	ND	11						0	0	20	
1,2-Dibromoethane	ND	5.4						0	0	20	
1,2-Dichlorobenzene	ND	5.4						0	0	20	
1,2-Dichloroethane	ND	5.4						0	0	20	
1,2-Dichloropropane	ND	5.4						0	0	20	
1,3,5-Trimethylbenzene	ND	5.4						0	0	20	
1,3-Dichlorobenzene	ND	5.4						0	0	20	
1,3-Dichloropropane	ND	5.4						0	0	20	
1,4-Dichlorobenzene	ND	5.4						0	0	20	
2,2-Dichloropropane	ND	5.4						0	0	20	
2-Butanone	ND	54						0	0	20	
2-Chloroethyl vinyl ether	ND	5.4						0	0	20	
2-Chlorotoluene	ND	5.4						0	0	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
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DO	Surrogate Diluted Out		Calculations are based on raw values		



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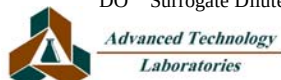
ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S_5035

Sample ID: 105139-025C	SampType: DUP	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date: 4/22/2009	RunNo: 108373						
Client ID: 1001-111-2D-S	Batch ID: T09VS104	TestNo: EPA 8260B		Analysis Date: 4/22/2009	SeqNo: 1701074						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Hexanone	ND	54						0	0	20	
4-Chlorotoluene	ND	5.4						0	0	20	
4-Isopropyltoluene	ND	5.4						0	0	20	
4-Methyl-2-pentanone	ND	54						0	0	20	
Acetone	18.223	54						21.78	0	20	
Acrolein	ND	54						0	0	20	
Acrylonitrile	ND	54						0	0	20	
Benzene	ND	5.4						0	0	20	
Bromobenzene	ND	5.4						0	0	20	
Bromochloromethane	ND	5.4						0	0	20	
Bromodichloromethane	ND	5.4						0	0	20	
Bromoform	ND	5.4						0	0	20	
Bromomethane	ND	5.4						0	0	20	
Carbon disulfide	ND	5.4						0	0	20	
Carbon tetrachloride	ND	5.4						0	0	20	
Chlorobenzene	ND	5.4						0	0	20	
Chloroethane	ND	5.4						0	0	20	
Chloroform	ND	5.4						0	0	20	
Chloromethane	ND	5.4						0	0	20	
cis-1,2-Dichloroethene	ND	5.4						0	0	20	
cis-1,3-Dichloropropene	ND	5.4						0	0	20	
Cyclohexanone	ND	54						0	0	20	
Di-isopropyl ether	ND	5.4						0	0	20	
Dibromochloromethane	ND	5.4						0	0	20	
Dibromomethane	ND	5.4						0	0	20	
Dichlorodifluoromethane	ND	5.4						0	0	20	
Ethyl Acetate	ND	54						0	0	20	
Ethyl Ether	ND	54						0	0	20	
Ethyl Tert-butyl ether	ND	5.4						0	0	20	
Ethylbenzene	ND	5.4						0	0	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
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DO	Surrogate Diluted Out		Calculations are based on raw values		



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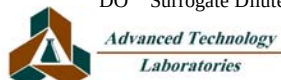
ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S_5035

Sample ID: 105139-025C		SampType: DUP		TestCode: 8260_S_5035		Units: µg/Kg		Prep Date: 4/22/2009		RunNo: 108373	
Client ID: 1001-111-2D-S		Batch ID: T09VS104		TestNo: EPA 8260B				Analysis Date: 4/22/2009		SeqNo: 1701074	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Freon-113	ND	5.4						0	0	20	
Hexachlorobutadiene	ND	5.4						0	0	20	
Iodomethane	ND	5.4						0	0	20	
Isopropylbenzene	ND	5.4						0	0	20	
m,p-Xylene	ND	11						0	0	20	
Methylene chloride	ND	5.4						0	0	20	
MTBE	ND	5.4						0	0	20	
n-Butylbenzene	ND	5.4						0	0	20	
n-Propylbenzene	ND	5.4						0	0	20	
Naphthalene	ND	5.4						0	0	20	
o-Xylene	ND	5.4						0	0	20	
sec-Butylbenzene	ND	5.4						0	0	20	
Styrene	ND	5.4						0	0	20	
Tert-amyl methyl ether	ND	5.4						0	0	20	
Tert-Butanol	ND	110						0	0	20	
tert-Butylbenzene	ND	5.4						0	0	20	
Tetrachloroethene	15.439	5.4						15.17	1.76	20	
Toluene	ND	5.4						0	0	20	
trans-1,2-Dichloroethene	ND	5.4						0	0	20	
trans-1,3-Dichloropropene	ND	5.4						0	0	20	
Trichloroethene	ND	5.4						0	0	20	
Trichlorofluoromethane	ND	5.4						0	0	20	
Vinyl acetate	ND	54						0	0	20	
Vinyl chloride	ND	5.4						0	0	20	
Xylenes, Total	ND	16						0	0	20	
Surr: 1,2-Dichloroethane-d4	58.769		53.53		110	68	147		0	20	
Surr: 4-Bromofluorobenzene	47.901		53.53		89.5	67	127		0	20	
Surr: Dibromofluoromethane	59.454		53.53		111	72	141		0	20	
Surr: Toluene-d8	59.561		53.53		111	75	120		0	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
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DO	Surrogate Diluted Out		Calculations are based on raw values		



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ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP

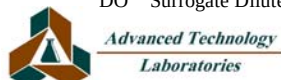
Sample ID: Q090422LCS1		SampType: LCS		TestCode: 8260_WP		Units: µg/L		Prep Date:			RunNo: 108404	
Client ID: LCSW		Batch ID: Q09VW081		TestNo: EPA 8260B		Analysis Date: 4/22/2009			SeqNo: 1701556			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene		18.470	5.0	20.00	0	92.4	70	130				
Benzene		40.010	5.0	40.00	0	100	70	130				
Chlorobenzene		21.630	5.0	20.00	0	108	70	130				
MTBE		19.050	5.0	20.00	0	95.2	70	130				
Toluene		39.710	5.0	40.00	0	99.3	70	130				
Trichloroethene		17.240	5.0	20.00	0	86.2	70	130				
Surr: 1,2-Dichloroethane-d4		20.990		25.00		84.0	70	130				
Surr: 4-Bromofluorobenzene		26.320		25.00		105	70	130				
Surr: Dibromofluoromethane		23.820		25.00		95.3	70	130				
Surr: Toluene-d8		24.220		25.00		96.9	70	130				

Sample ID: Q090422MB2MS	SampType: MS	TestCode: 8260_WP	Units: µg/L	Prep Date:				RunNo: 108404			
Client ID: ZZZZZZ	Batch ID: Q09VW081	TestNo: EPA 8260B	Analysis Date: 4/22/2009				SeqNo: 1701557				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	19.560	5.0	20.00	0	97.8	70	130				
Benzene	39.550	5.0	40.00	0	98.9	70	130				
Chlorobenzene	21.100	5.0	20.00	0	106	70	130				
Toluene	40.570	5.0	40.00	0	101	70	130				
Trichloroethene	17.640	5.0	20.00	0	88.2	70	130				
Surr: 1,2-Dichloroethane-d4	20.900		25.00		83.6	70	130				
Surr: 4-Bromofluorobenzene	26.200		25.00		105	70	130				
Surr: Dibromofluoromethane	23.100		25.00		92.4	70	130				
Surr: Toluene-d8	24.020		25.00		96.1	70	130				

Sample ID: Q090422MB2MSD	SampType: MSD	TestCode: 8260_WP	Units: µg/L	Prep Date:	RunNo: 108404						
Client ID: ZZZZZZ	Batch ID: Q09VW081	TestNo: EPA 8260B		Analysis Date: 4/22/2009	SeqNo: 1701558						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	19.150	5.0	20.00	0	95.8	70	130	19.56	2.12	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out	Calculations are based on raw values			



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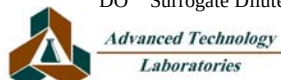
TestCode: 8260_WP

Sample ID: Q090422MB2MSD	SampType: MSD	TestCode: 8260_WP	Units: µg/L	Prep Date:				RunNo: 108404			
Client ID: ZZZZZZ	Batch ID: Q09VW081	TestNo: EPA 8260B	Analysis Date: 4/22/2009				SeqNo: 1701558				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	39.910	5.0	40.00	0	99.8	70	130	39.55	0.906	20	
Chlorobenzene	20.870	5.0	20.00	0	104	70	130	21.10	1.10	20	
Toluene	39.260	5.0	40.00	0	98.2	70	130	40.57	3.28	20	
Trichloroethene	17.610	5.0	20.00	0	88.0	70	130	17.64	0.170	20	
Surr: 1,2-Dichloroethane-d4	20.310		25.00		81.2	70	130		0	20	
Surr: 4-Bromofluorobenzene	25.510		25.00		102	70	130		0	20	
Surr: Dibromofluoromethane	23.250		25.00		93.0	70	130		0	20	
Surr: Toluene-d8	23.480		25.00		93.9	70	130		0	20	

Sample ID: Q090422MB2		SampType: MBLK		TestCode: 8260_WP		Units: µg/L		Prep Date:		RunNo: 108404		
Client ID: PBW		Batch ID: Q09VW081		TestNo: EPA 8260B				Analysis Date: 4/22/2009		SeqNo: 1701559		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane		ND	5.0									
1,1,1-Trichloroethane		ND	5.0									
1,1,2,2-Tetrachloroethane		ND	5.0									
1,1,2-Trichloroethane		ND	5.0									
1,1-Dichloroethane		ND	5.0									
1,1-Dichloroethene		ND	5.0									
1,1-Dichloropropene		ND	5.0									
1,2,3-Trichlorobenzene		ND	5.0									
1,2,3-Trichloropropane		ND	5.0									
1,2,4-Trichlorobenzene		ND	5.0									
1,2,4-Trimethylbenzene		ND	5.0									
1,2-Dibromo-3-chloropropane		ND	5.0									
1,2-Dibromoethane		ND	5.0									
1,2-Dichlorobenzene		ND	5.0									
1,2-Dichloroethane		ND	5.0									
1,2-Dichloropropane		ND	5.0									
1,3,5-Trimethylbenzene		ND	5.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
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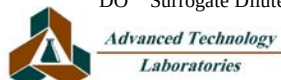
ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP

Sample ID: Q090422MB2	SampType: MBLK	TestCode: 8260_WP	Units: µg/L	Prep Date:	RunNo: 108404						
Client ID: PBW	Batch ID: Q09VW081	TestNo: EPA 8260B		Analysis Date: 4/22/2009	SeqNo: 1701559						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,3-Dichlorobenzene	ND	5.0									
1,3-Dichloropropane	ND	5.0									
1,4-Dichlorobenzene	ND	5.0									
2,2-Dichloropropane	ND	5.0									
2-Chlorotoluene	ND	5.0									
4-Chlorotoluene	ND	5.0									
4-Isopropyltoluene	ND	5.0									
Benzene	ND	5.0									
Bromobenzene	ND	5.0									
Bromodichloromethane	ND	5.0									
Bromoform	ND	5.0									
Bromomethane	ND	5.0									
Carbon tetrachloride	ND	5.0									
Chlorobenzene	ND	5.0									
Chloroethane	ND	5.0									
Chloroform	ND	5.0									
Chloromethane	ND	5.0									
cis-1,2-Dichloroethene	ND	5.0									
cis-1,3-Dichloropropene	ND	5.0									
Dibromochloromethane	ND	5.0									
Dibromomethane	ND	5.0									
Dichlorodifluoromethane	ND	5.0									
Ethylbenzene	ND	5.0									
Hexachlorobutadiene	ND	5.0									
Isopropylbenzene	ND	5.0									
m,p-Xylene	ND	10									
Methylene chloride	ND	5.0									
n-Butylbenzene	ND	5.0									
n-Propylbenzene	ND	5.0									
Naphthalene	ND	5.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



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ANALYTICAL QC SUMMARY REPORT

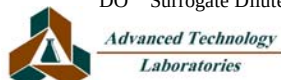
TestCode: 8260_WP

Sample ID: Q090422MB2		SampType: MBLK	TestCode: 8260_WP		Units: µg/L	Prep Date:				RunNo: 108404		
Client ID: PBW	Batch ID: Q09VW081		TestNo: EPA 8260B			Analysis Date: 4/22/2009				SeqNo: 1701559		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
o-Xylene	ND	5.0										
sec-Butylbenzene	ND	5.0										
Styrene	ND	5.0										
tert-Butylbenzene	ND	5.0										
Tetrachloroethene	ND	5.0										
Toluene	ND	5.0										
trans-1,2-Dichloroethene	ND	5.0										
Trichloroethene	ND	5.0										
Trichlorofluoromethane	ND	5.0										
Vinyl chloride	ND	5.0										
Surr: 1,2-Dichloroethane-d4	22.260		25.00		89.0	70	130					
Surr: 4-Bromofluorobenzene	26.840		25.00		107	70	130					
Surr: Dibromofluoromethane	23.450		25.00		93.8	70	130					
Surr: Toluene-d8	23.280		25.00		93.1	70	130					

Sample ID: 105148-024F	SampType: DUP	TestCode: 8260_WP	Units: µg/L	Prep Date:				RunNo: 108404			
Client ID: ZZZZZZ	Batch ID: Q09VW081	TestNo: EPA 8260B	Analysis Date: 4/22/2009				SeqNo: 1701562				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0						0	0	20	
1,1,1-Trichloroethane	ND	5.0						0	0	20	
1,1,2,2-Tetrachloroethane	ND	5.0						0	0	20	
1,1,2-Trichloroethane	ND	5.0						0	0	20	
1,1-Dichloroethane	ND	5.0						0	0	20	
1,1-Dichloroethene	ND	5.0						0	0	20	
1,1-Dichloropropene	ND	5.0						0	0	20	
1,2,3-Trichlorobenzene	ND	5.0						0	0	20	
1,2,3-Trichloropropane	ND	5.0						0	0	20	
1,2,4-Trichlorobenzene	ND	5.0						0	0	20	
1,2,4-Trimethylbenzene	ND	5.0						0	0	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



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Work Order: 105139
Project: 207126015

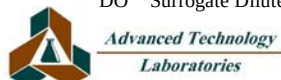
ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP

Sample ID: 105148-024F	SampType: DUP	TestCode: 8260_WP	Units: µg/L	Prep Date:	RunNo: 108404						
Client ID: ZZZZZZ	Batch ID: Q09VW081	TestNo: EPA 8260B		Analysis Date: 4/22/2009	SeqNo: 1701562						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dibromo-3-chloropropane	ND	5.0						0	0	20	
1,2-Dibromoethane	ND	5.0						0	0	20	
1,2-Dichlorobenzene	ND	5.0						0	0	20	
1,2-Dichloroethane	ND	5.0						0	0	20	
1,2-Dichloropropane	ND	5.0						0	0	20	
1,3,5-Trimethylbenzene	ND	5.0						0	0	20	
1,3-Dichlorobenzene	ND	5.0						0	0	20	
1,3-Dichloropropane	ND	5.0						0	0	20	
1,4-Dichlorobenzene	ND	5.0						0	0	20	
2,2-Dichloropropane	ND	5.0						0	0	20	
2-Chlorotoluene	ND	5.0						0	0	20	
4-Chlorotoluene	ND	5.0						0	0	20	
4-Isopropyltoluene	ND	5.0						0	0	20	
Benzene	ND	5.0						0	0	20	
Bromobenzene	ND	5.0						0	0	20	
Bromodichloromethane	ND	5.0						0	0	20	
Bromoform	ND	5.0						0	0	20	
Bromomethane	ND	5.0						0	0	20	
Carbon tetrachloride	ND	5.0						0	0	20	
Chlorobenzene	ND	5.0						0	0	20	
Chloroethane	ND	5.0						0	0	20	
Chloroform	ND	5.0						0	0	20	
Chloromethane	ND	5.0						0	0	20	
cis-1,2-Dichloroethene	ND	5.0						0	0	20	
cis-1,3-Dichloropropene	ND	5.0						0	0	20	
Dibromochloromethane	ND	5.0						0	0	20	
Dibromomethane	ND	5.0						0	0	20	
Dichlorodifluoromethane	ND	5.0						0	0	20	
Ethylbenzene	ND	5.0						0	0	20	
Hexachlorobutadiene	ND	5.0						0	0	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



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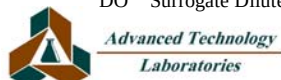
ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP

Sample ID: 105148-024F	SampType: DUP	TestCode: 8260_WP	Units: µg/L	Prep Date:				RunNo: 108404			
Client ID: ZZZZZZ	Batch ID: Q09VW081	TestNo: EPA 8260B	Analysis Date: 4/22/2009				SeqNo: 1701562				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Isopropylbenzene	ND	5.0						0	0	20	
m,p-Xylene	ND	10						0	0	20	
Methylene chloride	ND	5.0						0	0	20	
n-Butylbenzene	ND	5.0						0	0	20	
n-Propylbenzene	ND	5.0						0	0	20	
Naphthalene	ND	5.0						0	0	20	
o-Xylene	ND	5.0						0	0	20	
sec-Butylbenzene	ND	5.0						0	0	20	
Styrene	ND	5.0						0	0	20	
tert-Butylbenzene	ND	5.0						0	0	20	
Tetrachloroethene	ND	5.0						0	0	20	
Toluene	ND	5.0						0	0	20	
trans-1,2-Dichloroethene	ND	5.0						0	0	20	
Trichloroethene	ND	5.0						0	0	20	
Trichlorofluoromethane	ND	5.0						0	0	20	
Vinyl chloride	ND	5.0						0	0	20	
Surr: 1,2-Dichloroethane-d4	23.040		25.00		92.2	70	130		0	20	
Surr: 4-Bromofluorobenzene	27.210		25.00		109	70	130		0	20	
Surr: Dibromofluoromethane	24.600		25.00		98.4	70	130		0	20	
Surr: Toluene-d8	22.910		25.00		91.6	70	130		0	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
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DO	Surrogate Diluted Out		Calculations are based on raw values		



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ANALYTICAL QC SUMMARY REPORT

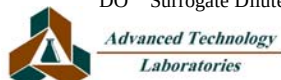
TestCode: 8270_S_FULL

Sample ID: LCS-54881	SampType: LCS	TestCode: 8270_S_FUL	Units: µg/Kg	Prep Date: 4/21/2009	RunNo: 108355						
Client ID: LCSS	Batch ID: 54881	TestNo: EPA 8270C	EPA 3550B	Analysis Date: 4/21/2009	SeqNo: 1700121						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	2936.333	330	3330	0	88.2	61	107				
1,4-Dichlorobenzene	2802.667	330	3330	0	84.2	56	100				
2,4-Dinitrotoluene	3619.667	330	3330	0	109	72	130				
2-Chlorophenol	2981.667	330	3330	0	89.5	64	105				
4-Chloro-3-methylphenol	3605.667	660	3330	0	108	74	125				
4-Nitrophenol	3819.000	1600	3330	0	115	77	137				
Acenaphthene	3265.667	330	3330	0	98.1	63	117				
N-Nitrosodi-n-propylamine	3241.667	330	3330	0	97.3	71	121				
Pentachlorophenol	3292.000	1600	3330	0	98.9	69	125				
Phenol	3106.000	330	3330	0	93.3	67	111				
Pyrene	3491.667	330	3330	0	105	60	122				
Surr: 1,2-Dichlorobenzene-d4	2730.333		3330		82.0	49	103				
Surr: 2,4,6-Tribromophenol	3380.333		3330		102	47	129				
Surr: 2-Chlorophenol-d4	2842.000		3330		85.3	54	109				
Surr: 2-Fluorobiphenyl	3087.667		3330		92.7	59	108				
Surr: 2-Fluorophenol	2744.000		3330		82.4	50	111				
Surr: 4-Terphenyl-d14	3419.333		3330		103	58	135				
Surr: Nitrobenzene-d5	2846.000		3330		85.5	54	115				
Surr: Phenol-d5	2896.667		3330		87.0	58	112				

Sample ID: MB-54881MS	SampType: MS	TestCode: 8270_S_FUL	Units: µg/Kg	Prep Date: 4/21/2009	RunNo: 108355						
Client ID: ZZZZZZ	Batch ID: 54881	TestNo: EPA 8270C	EPA 3550B	Analysis Date: 4/21/2009	SeqNo: 1700122						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	3065.333	330	3330	0	92.1	60	105				
1,4-Dichlorobenzene	2868.000	330	3330	0	86.1	50	99				
2,4-Dinitrotoluene	3752.000	330	3330	0	113	70	130				
2-Chlorophenol	3056.000	330	3330	0	91.8	58	107				
4-Chloro-3-methylphenol	3656.667	660	3330	0	110	72	124				
4-Nitrophenol	3899.667	1600	3330	0	117	69	139				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
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DO	Surrogate Diluted Out	Calculations are based on raw values			



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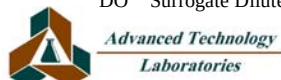
TestCode: 8270_S_FULL

Sample ID: MB-54881MS	SampType: MS	TestCode: 8270_S_FUL	Units: µg/Kg	Prep Date: 4/21/2009	RunNo: 108355						
Client ID: ZZZZZZ	Batch ID: 54881	TestNo: EPA 8270C	EPA 3550B	Analysis Date: 4/21/2009	SeqNo: 1700122						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	3416.667	330	3330	0	103	59	118				
N-Nitrosodi-n-propylamine	3268.000	330	3330	0	98.1	61	125				
Pentachlorophenol	3408.333	1600	3330	0	102	56	131				
Phenol	3179.667	330	3330	0	95.5	60	113				
Pyrene	3567.333	330	3330	0	107	51	130				
Surr: 1,2-Dichlorobenzene-d4	2818.000		3330		84.6	49	103				
Surr: 2,4,6-Tribromophenol	3549.667		3330		107	47	129				
Surr: 2-Chlorophenol-d4	2932.000		3330		88.0	54	109				
Surr: 2-Fluorobiphenyl	3239.000		3330		97.3	59	108				
Surr: 2-Fluorophenol	2821.000		3330		84.7	50	111				
Surr: 4-Terphenyl-d14	3521.333		3330		106	58	135				
Surr: Nitrobenzene-d5	2933.333		3330		88.1	54	115				
Surr: Phenol-d5	2984.667		3330		89.6	58	112				

Sample ID: MB-54881MSD	SampType: MSD	TestCode: 8270_S_FUL	Units: µg/Kg	Prep Date: 4/21/2009	RunNo: 108355						
Client ID: ZZZZZZ	Batch ID: 54881	TestNo: EPA 8270C	EPA 3550B	Analysis Date: 4/21/2009	SeqNo: 1700123						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	3091.333	330	3330	0	92.8	60	105	3065	0.845	20	
1,4-Dichlorobenzene	2909.333	330	3330	0	87.4	50	99	2868	1.43	20	
2,4-Dinitrotoluene	3985.333	330	3330	0	120	70	130	3752	6.03	20	
2-Chlorophenol	3128.000	330	3330	0	93.9	58	107	3056	2.33	20	
4-Chloro-3-methylphenol	3817.667	660	3330	0	115	72	124	3657	4.31	20	
4-Nitrophenol	4132.333	1600	3330	0	124	69	139	3900	5.79	20	
Acenaphthene	3536.667	330	3330	0	106	59	118	3417	3.45	20	
N-Nitrosodi-n-propylamine	3309.000	330	3330	0	99.4	61	125	3268	1.25	20	
Pentachlorophenol	3692.333	1600	3330	0	111	56	131	3408	8.00	20	
Phenol	3247.333	330	3330	0	97.5	60	113	3180	2.11	20	
Pyrene	3835.667	330	3330	0	115	51	130	3567	7.25	20	
Surr: 1,2-Dichlorobenzene-d4	2800.000		3330		84.1	49	103		0	0	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
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DO	Surrogate Diluted Out	Calculations are based on raw values			



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ANALYTICAL QC SUMMARY REPORT

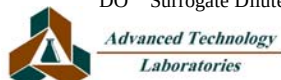
TestCode: 8270_S_FULL

Sample ID: MB-54881MSD	SampType: MSD	TestCode: 8270_S_FUL	Units: µg/Kg	Prep Date: 4/21/2009	RunNo: 108355						
Client ID: ZZZZZZ	Batch ID: 54881	TestNo: EPA 8270C	EPA 3550B	Analysis Date: 4/21/2009	SeqNo: 1700123						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 2,4,6-Tribromophenol	3725.333		3330		112	47	129		0	0	
Surr: 2-Chlorophenol-d4	2927.333		3330		87.9	54	109		0	0	
Surr: 2-Fluorobiphenyl	3268.667		3330		98.2	59	108		0	0	
Surr: 2-Fluorophenol	2791.667		3330		83.8	50	111		0	0	
Surr: 4-Terphenyl-d14	3700.000		3330		111	58	135		0	0	
Surr: Nitrobenzene-d5	2910.000		3330		87.4	54	115		0	0	
Surr: Phenol-d5	2998.667		3330		90.1	58	112		0	0	

Sample ID: 105147-005ADUP	SampType: DUP	TestCode: 8270_S_FUL	Units: µg/Kg	Prep Date: 4/21/2009	RunNo: 108355						
Client ID: ZZZZZZ	Batch ID: 54881	TestNo: EPA 8270C	EPA 3550B	Analysis Date: 4/21/2009	SeqNo: 1700132						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	ND	820						0	0	20	
1,2-Dichlorobenzene	ND	820						0	0	20	
1,3-Dichlorobenzene	ND	820						0	0	20	
1,4-Dichlorobenzene	ND	820						0	0	20	
2,4,5-Trichlorophenol	ND	820						0	0	20	
2,4,6-Trichlorophenol	ND	820						0	0	20	
2,4-Dichlorophenol	ND	4100						0	0	20	
2,4-Dimethylphenol	ND	820						0	0	20	
2,4-Dinitrophenol	ND	4100						0	0	20	
2,4-Dinitrotoluene	ND	820						0	0	20	
2,6-Dinitrotoluene	ND	820						0	0	20	
2-Chloronaphthalene	ND	820						0	0	20	
2-Chlorophenol	ND	820						0	0	20	
2-Methylnaphthalene	ND	820						0	0	20	
2-Methylphenol	ND	820						0	0	20	
2-Nitroaniline	ND	4100						0	0	20	
2-Nitrophenol	ND	820						0	0	20	
3,3´-Dichlorobenzidine	ND	1600						0	0	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
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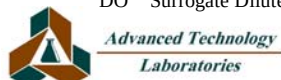
ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: 105147-005ADUP	SampType: DUP	TestCode: 8270_S_FUL	Units: µg/Kg	Prep Date: 4/21/2009	RunNo: 108355						
Client ID: ZZZZZZ	Batch ID: 54881	TestNo: EPA 8270C	EPA 3550B	Analysis Date: 4/21/2009	SeqNo: 1700132						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
3-Nitroaniline	ND	4100						0	0	20	
4,6-Dinitro-2-methylphenol	ND	4100						0	0	20	
4-Bromophenyl-phenylether	ND	820						0	0	20	
4-Chloro-3-methylphenol	ND	1600						0	0	20	
4-Chloroaniline	ND	1600						0	0	20	
4-Chlorophenyl-phenylether	ND	820						0	0	20	
4-Methylphenol	ND	820						0	0	20	
4-Nitroaniline	ND	4100						0	0	20	
4-Nitrophenol	ND	4100						0	0	20	
Acenaphthene	ND	820						0	0	20	
Acenaphthylene	ND	820						0	0	20	
Anthracene	ND	820						0	0	20	
Benzydine (M)	ND	4100						0	0	20	
Benzo(a)anthracene	ND	820						0	0	20	
Benzo(a)pyrene	ND	820						0	0	20	
Benzo(b)fluoranthene	ND	820						0	0	20	
Benzo(g,h,i)perylene	ND	820						0	0	20	
Benzo(k)fluoranthene	ND	820						0	0	20	
Benzoic acid	ND	4100						0	0	20	
Benzyl alcohol	ND	1600						0	0	20	
Bis(2-chloroethoxy)methane	ND	820						0	0	20	
Bis(2-chloroethyl)ether	ND	820						0	0	20	
Bis(2-chloroisopropyl)ether	ND	820						0	0	20	
Bis(2-ethylhexyl)phthalate	ND	820						0	0	20	
Butylbenzylphthalate	ND	820						0	0	20	
Chrysene	ND	820						0	0	20	
Di-n-butylphthalate	ND	820						0	0	20	
Di-n-octylphthalate	ND	820						0	0	20	
Dibenz(a,h)anthracene	ND	820						0	0	20	
Dibenzofuran	ND	820						0	0	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
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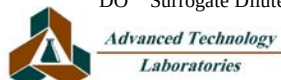
ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: 105147-005ADUP	SampType: DUP	TestCode: 8270_S_FUL	Units: µg/Kg	Prep Date: 4/21/2009	RunNo: 108355						
Client ID: ZZZZZZ	Batch ID: 54881	TestNo: EPA 8270C	EPA 3550B	Analysis Date: 4/21/2009	SeqNo: 1700132						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diethylphthalate	ND	820						0	0	20	
Dimethylphthalate	ND	820						0	0	20	
Fluoranthene	ND	820						0	0	20	
Fluorene	ND	820						0	0	20	
Hexachlorobenzene	ND	820						0	0	20	
Hexachlorobutadiene	ND	1600						0	0	20	
Hexachlorocyclopentadiene	ND	1600						0	0	20	
Hexachloroethane	ND	820						0	0	20	
Indeno(1,2,3-cd)pyrene	ND	820						0	0	20	
Isophorone	ND	820						0	0	20	
N-Nitrosodi-n-propylamine	ND	820						0	0	20	
N-Nitrosodiphenylamine	ND	820						0	0	20	
Naphthalene	ND	820						0	0	20	
Nitrobenzene	ND	820						0	0	20	
Pentachlorophenol	ND	4100						0	0	20	
Phenanthrene	ND	820						0	0	20	
Phenol	ND	820						0	0	20	
Pyrene	ND	820						0	0	20	
Surr: 1,2-Dichlorobenzene-d4	2294.167		3330		68.9	49	103		0	0	
Surr: 2,4,6-Tribromophenol	2442.500		3330		73.3	47	129		0	0	
Surr: 2-Chlorophenol-d4	2540.000		3330		76.3	54	109		0	0	
Surr: 2-Fluorobiphenyl	2686.667		3330		80.7	59	108		0	0	
Surr: 2-Fluorophenol	2519.167		3330		75.7	50	111		0	0	
Surr: 4-Terphenyl-d14	3462.500		3330		104	58	135		0	0	
Surr: Nitrobenzene-d5	2531.667		3330		76.0	54	115		0	0	
Surr: Phenol-d5	2673.333		3330		80.3	58	112		0	0	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
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ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: MB-54881	SampType: MBLK	TestCode: 8270_S_FUL	Units: µg/Kg	Prep Date: 4/21/2009	RunNo: 108355						
Client ID: PBS	Batch ID: 54881	TestNo: EPA 8270C	EPA 3550B	Analysis Date: 4/22/2009	SeqNo: 1700404						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	ND	330									
1,2-Dichlorobenzene	ND	330									
1,3-Dichlorobenzene	ND	330									
1,4-Dichlorobenzene	ND	330									
2,4,5-Trichlorophenol	ND	330									
2,4,6-Trichlorophenol	ND	330									
2,4-Dichlorophenol	ND	1600									
2,4-Dimethylphenol	ND	330									
2,4-Dinitrophenol	ND	1600									
2,4-Dinitrotoluene	ND	330									
2,6-Dinitrotoluene	ND	330									
2-Chloronaphthalene	ND	330									
2-Chlorophenol	ND	330									
2-Methylnaphthalene	ND	330									
2-Methylphenol	ND	330									
2-Nitroaniline	ND	1600									
2-Nitrophenol	ND	330									
3,3´-Dichlorobenzidine	ND	660									
3-Nitroaniline	ND	1600									
4,6-Dinitro-2-methylphenol	ND	1600									
4-Bromophenyl-phenylether	ND	330									
4-Chloro-3-methylphenol	ND	660									
4-Chloroaniline	ND	660									
4-Chlorophenyl-phenylether	ND	330									
4-Methylphenol	ND	330									
4-Nitroaniline	ND	1600									
4-Nitrophenol	ND	1600									
Acenaphthene	ND	330									
Acenaphthylene	ND	330									
Anthracene	ND	330									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



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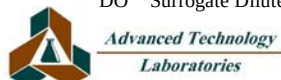
ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: MB-54881	SampType: MBLK	TestCode: 8270_S_FUL	Units: µg/Kg	Prep Date: 4/21/2009	RunNo: 108355						
Client ID: PBS	Batch ID: 54881	TestNo: EPA 8270C	EPA 3550B	Analysis Date: 4/22/2009	SeqNo: 1700404						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benidine (M)	ND	1600									
Benzo(a)anthracene	ND	330									
Benzo(a)pyrene	ND	330									
Benzo(b)fluoranthene	ND	330									
Benzo(g,h,i)perylene	ND	330									
Benzo(k)fluoranthene	ND	330									
Benzoic acid	ND	1600									
Benzyl alcohol	ND	660									
Bis(2-chloroethoxy)methane	ND	330									
Bis(2-chloroethyl)ether	ND	330									
Bis(2-chloroisopropyl)ether	ND	330									
Bis(2-ethylhexyl)phthalate	ND	330									
Butylbenzylphthalate	ND	330									
Chrysene	ND	330									
Di-n-butylphthalate	ND	330									
Di-n-octylphthalate	ND	330									
Dibenz(a,h)anthracene	ND	330									
Dibenzofuran	ND	330									
Diethylphthalate	ND	330									
Dimethylphthalate	ND	330									
Fluoranthene	ND	330									
Fluorene	ND	330									
Hexachlorobenzene	ND	330									
Hexachlorobutadiene	ND	660									
Hexachlorocyclopentadiene	ND	660									
Hexachloroethane	ND	330									
Indeno(1,2,3-cd)pyrene	ND	330									
Isophorone	ND	330									
N-Nitrosodi-n-propylamine	ND	330									
N-Nitrosodiphenylamine	ND	330									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



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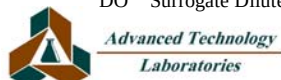
ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: MB-54881		SampType: MBLK		TestCode: 8270_S_FUL		Units: µg/Kg		Prep Date: 4/21/2009		RunNo: 108355		
Client ID: PBS		Batch ID: 54881		TestNo: EPA 8270C		EPA 3550B		Analysis Date: 4/22/2009		SeqNo: 1700404		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene		ND	330									
Nitrobenzene		ND	330									
Pentachlorophenol		ND	1600									
Phenanthrene		ND	330									
Phenol		ND	330									
Pyrene		ND	330									
Surr: 1,2-Dichlorobenzene-d4		3136.000		3330		94.2	49	103				
Surr: 2,4,6-Tribromophenol		3266.333		3330		98.1	47	129				
Surr: 2-Chlorophenol-d4		3355.333		3330		101	54	109				
Surr: 2-Fluorobiphenyl		3330.000		3330		100	59	108				
Surr: 2-Fluorophenol		3277.000		3330		98.4	50	111				
Surr: 4-Terphenyl-d14		4130.333		3330		124	58	135				
Surr: Nitrobenzene-d5		3288.000		3330		98.7	54	115				
Surr: Phenol-d5		3429.000		3330		103	58	112				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



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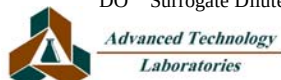
ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: MB-54911	SampType: MBLK	TestCode: 8270_S_FUL	Units: µg/Kg	Prep Date: 4/22/2009	RunNo: 108393						
Client ID: PBS	Batch ID: 54911	TestNo: EPA 8270C	EPA 3550B	Analysis Date: 4/22/2009	SeqNo: 1700627						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	ND	330									
1,2-Dichlorobenzene	ND	330									
1,3-Dichlorobenzene	ND	330									
1,4-Dichlorobenzene	ND	330									
2,4,5-Trichlorophenol	ND	330									
2,4,6-Trichlorophenol	ND	330									
2,4-Dichlorophenol	ND	1600									
2,4-Dimethylphenol	ND	330									
2,4-Dinitrophenol	ND	1600									
2,4-Dinitrotoluene	ND	330									
2,6-Dinitrotoluene	ND	330									
2-Chloronaphthalene	ND	330									
2-Chlorophenol	ND	330									
2-Methylnaphthalene	ND	330									
2-Methylphenol	ND	330									
2-Nitroaniline	ND	1600									
2-Nitrophenol	ND	330									
3,3´-Dichlorobenzidine	ND	660									
3-Nitroaniline	ND	1600									
4,6-Dinitro-2-methylphenol	ND	1600									
4-Bromophenyl-phenylether	ND	330									
4-Chloro-3-methylphenol	ND	660									
4-Chloroaniline	ND	660									
4-Chlorophenyl-phenylether	ND	330									
4-Methylphenol	ND	330									
4-Nitroaniline	ND	1600									
4-Nitrophenol	ND	1600									
Acenaphthene	ND	330									
Acenaphthylene	ND	330									
Anthracene	ND	330									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



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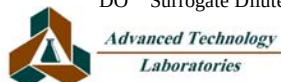
ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: MB-54911	SampType: MBLK	TestCode: 8270_S_FUL	Units: µg/Kg	Prep Date: 4/22/2009	RunNo: 108393						
Client ID: PBS	Batch ID: 54911	TestNo: EPA 8270C	EPA 3550B	Analysis Date: 4/22/2009	SeqNo: 1700627						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benidine (M)	ND	1600									
Benzo(a)anthracene	ND	330									
Benzo(a)pyrene	ND	330									
Benzo(b)fluoranthene	ND	330									
Benzo(g,h,i)perylene	ND	330									
Benzo(k)fluoranthene	ND	330									
Benzoic acid	ND	1600									
Benzyl alcohol	ND	660									
Bis(2-chloroethoxy)methane	ND	330									
Bis(2-chloroethyl)ether	ND	330									
Bis(2-chloroisopropyl)ether	ND	330									
Bis(2-ethylhexyl)phthalate	ND	330									
Butylbenzylphthalate	ND	330									
Chrysene	ND	330									
Di-n-butylphthalate	ND	330									
Di-n-octylphthalate	ND	330									
Dibenz(a,h)anthracene	ND	330									
Dibenzofuran	ND	330									
Diethylphthalate	ND	330									
Dimethylphthalate	ND	330									
Fluoranthene	ND	330									
Fluorene	ND	330									
Hexachlorobenzene	ND	330									
Hexachlorobutadiene	ND	660									
Hexachlorocyclopentadiene	ND	660									
Hexachloroethane	ND	330									
Indeno(1,2,3-cd)pyrene	ND	330									
Isophorone	ND	330									
N-Nitrosodi-n-propylamine	ND	330									
N-Nitrosodiphenylamine	ND	330									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
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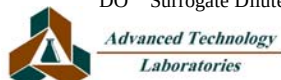
TestCode: 8270_S_FULL

Sample ID: MB-54911	SampType: MBLK	TestCode: 8270_S_FUL	Units: µg/Kg	Prep Date: 4/22/2009	RunNo: 108393						
Client ID: PBS	Batch ID: 54911	TestNo: EPA 8270C	EPA 3550B	Analysis Date: 4/22/2009	SeqNo: 1700627						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	ND	330									
Nitrobenzene	ND	330									
Pentachlorophenol	ND	1600									
Phenanthrene	ND	330									
Phenol	ND	330									
Pyrene	ND	330									
Surr: 1,2-Dichlorobenzene-d4	3010.667		3330		90.4	49	103				
Surr: 2,4,6-Tribromophenol	3130.667		3330		94.0	47	129				
Surr: 2-Chlorophenol-d4	3173.000		3330		95.3	54	109				
Surr: 2-Fluorobiphenyl	3230.000		3330		97.0	59	108				
Surr: 2-Fluorophenol	3152.667		3330		94.7	50	111				
Surr: 4-Terphenyl-d14	3903.667		3330		117	58	135				
Surr: Nitrobenzene-d5	3125.333		3330		93.9	54	115				
Surr: Phenol-d5	3288.000		3330		98.7	58	112				

Sample ID: LCS-54911	SampType: LCS	TestCode: 8270_S_FUL	Units: µg/Kg	Prep Date: 4/22/2009	RunNo: 108393						
Client ID: LCSS	Batch ID: 54911	TestNo: EPA 8270C	EPA 3550B	Analysis Date: 4/22/2009	SeqNo: 1700628						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	3009.667	330	3330	0	90.4	61	107				
1,4-Dichlorobenzene	2822.000	330	3330	0	84.7	56	100				
2,4-Dinitrotoluene	3866.667	330	3330	0	116	72	130				
2-Chlorophenol	3024.333	330	3330	0	90.8	64	105				
4-Chloro-3-methylphenol	3779.333	660	3330	0	113	74	125				
4-Nitrophenol	4169.667	1600	3330	0	125	77	137				
Acenaphthene	3446.333	330	3330	0	103	63	117				
N-Nitrosodi-n-propylamine	3285.667	330	3330	0	98.7	71	121				
Pentachlorophenol	3500.667	1600	3330	0	105	69	125				
Phenol	3170.667	330	3330	0	95.2	67	111				
Pyrene	3671.333	330	3330	0	110	60	122				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



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ANALYTICAL QC SUMMARY REPORT

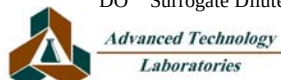
TestCode: 8270_S_FULL

Sample ID: LCS-54911	SampType: LCS	TestCode: 8270_S_FUL	Units: µg/Kg	Prep Date: 4/22/2009	RunNo: 108393						
Client ID: LCSS	Batch ID: 54911	TestNo: EPA 8270C	EPA 3550B	Analysis Date: 4/22/2009	SeqNo: 1700628						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 1,2-Dichlorobenzene-d4	2722.000		3330		81.7	49	103				
Surr: 2,4,6-Tribromophenol	3637.000		3330		109	47	129				
Surr: 2-Chlorophenol-d4	2846.333		3330		85.5	54	109				
Surr: 2-Fluorobiphenyl	3151.333		3330		94.6	59	108				
Surr: 2-Fluorophenol	2714.667		3330		81.5	50	111				
Surr: 4-Terphenyl-d14	3446.667		3330		104	58	135				
Surr: Nitrobenzene-d5	2836.667		3330		85.2	54	115				
Surr: Phenol-d5	2892.333		3330		86.9	58	112				

Sample ID: 105139-008AMS		SampType: MS		TestCode: 8270_S_FUL		Units: µg/Kg		Prep Date: 4/22/2009		RunNo: 108393		
Client ID: 1001-102-20-S		Batch ID: 54911		TestNo: EPA 8270C		EPA 3550B		Analysis Date: 4/22/2009		SeqNo: 1700629		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene		3107.302	330	3330	0	93.3	60	105				
1,4-Dichlorobenzene		2892.971	330	3330	0	86.9	50	99				
2,4-Dinitrotoluene		3820.628	330	3330	0	115	70	130				
2-Chlorophenol		3280.634	330	3330	0	98.5	58	107				
4-Chloro-3-methylphenol		3773.296	660	3330	0	113	72	124				
4-Nitrophenol		4016.960	1600	3330	0	121	69	139				
Acenaphthene		3350.300	330	3330	0	101	59	118				
N-Nitrosodi-n-propylamine		3368.300	330	3330	0	101	61	125				
Pentachlorophenol		3320.300	1600	3330	0	99.7	56	131				
Phenol		3397.633	330	3330	0	102	60	113				
Pyrene		3668.297	330	3330	0	110	51	130				
Surr: 1,2-Dichlorobenzene-d4		2808.305		3330		84.3	49	103				
Surr: 2,4,6-Tribromophenol		3520.631		3330		106	47	129				
Surr: 2-Chlorophenol-d4		3041.970		3330		91.4	54	109				
Surr: 2-Fluorobiphenyl		3240.301		3330		97.3	59	108				
Surr: 2-Fluorophenol		2936.637		3330		88.2	50	111				
Surr: 4-Terphenyl-d14		3391.299		3330		102	58	135				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



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ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: 105139-008AMS	SampType: MS	TestCode: 8270_S_FUL	Units: µg/Kg	Prep Date: 4/22/2009	RunNo: 108393						
Client ID: 1001-102-20-S	Batch ID: 54911	TestNo: EPA 8270C	EPA 3550B	Analysis Date: 4/22/2009	SeqNo: 1700629						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

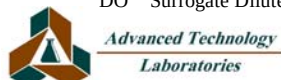
Surr: Nitrobenzene-d5	2897.971		3330		87.0	54	115				
Surr: Phenol-d5	3115.969		3330		93.6	58	112				

Sample ID: 105139-008AMSD	SampType: MSD	TestCode: 8270_S_FUL	Units: µg/Kg	Prep Date: 4/22/2009	RunNo: 108393						
Client ID: 1001-102-20-S	Batch ID: 54911	TestNo: EPA 8270C	EPA 3550B	Analysis Date: 4/22/2009	SeqNo: 1700630						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,2,4-Trichlorobenzene	3298.634	330	3330	0	99.1	60	105	3107	5.97	20	
1,4-Dichlorobenzene	3030.970	330	3330	0	91.0	50	99	2893	4.66	20	
2,4-Dinitrotoluene	3952.294	330	3330	0	119	70	130	3821	3.39	20	
2-Chlorophenol	3474.299	330	3330	0	104	58	107	3281	5.73	20	
4-Chloro-3-methylphenol	3916.961	660	3330	0	118	72	124	3773	3.74	20	
4-Nitrophenol	4076.959	1600	3330	0	122	69	139	4017	1.48	20	
Acenaphthene	3550.298	330	3330	0	107	59	118	3350	5.80	20	
N-Nitrosodi-n-propylamine	3491.632	330	3330	0	105	61	125	3368	3.60	20	
Pentachlorophenol	3449.632	1600	3330	0	104	56	131	3320	3.82	20	
Phenol	3549.298	330	3330	0	107	60	113	3398	4.37	20	
Pyrene	3757.296	330	3330	0	113	51	130	3668	2.40	20	
Surr: 1,2-Dichlorobenzene-d4	2942.637		3330		88.4	49	103		0	0	
Surr: 2,4,6-Tribromophenol	3588.297		3330		108	47	129		0	0	
Surr: 2-Chlorophenol-d4	3171.302		3330		95.2	54	109		0	0	
Surr: 2-Fluorobiphenyl	3351.966		3330		101	59	108		0	0	
Surr: 2-Fluorophenol	3067.636		3330		92.1	50	111		0	0	
Surr: 4-Terphenyl-d14	3508.298		3330		105	58	135		0	0	
Surr: Nitrobenzene-d5	3064.636		3330		92.0	54	115		0	0	
Surr: Phenol-d5	3247.968		3330		97.5	58	112		0	0	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



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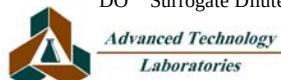
ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: 105139-010ADUP		SampType: DUP		TestCode: 8270_S_FUL		Units: µg/Kg		Prep Date: 4/22/2009		RunNo: 108393	
Client ID: 1001-112-5-S		Batch ID: 54911		TestNo: EPA 8270C		EPA 3550B		Analysis Date: 4/22/2009		SeqNo: 1700642	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	ND	330						0	0	20	
1,2-Dichlorobenzene	ND	330						0	0	20	
1,2-Diphenylhydrazine	ND	330						0	0	20	
1,3-Dichlorobenzene	ND	330						0	0	20	
1,4-Dichlorobenzene	ND	330						0	0	20	
1,4-Dioxane	ND	330						0	0	20	
2,4,5-Trichlorophenol	ND	330						0	0	20	
2,4,6-Trichlorophenol	ND	330						0	0	20	
2,4-Dichlorophenol	ND	1600						0	0	20	
2,4-Dimethylphenol	ND	330						0	0	20	
2,4-Dinitrophenol	ND	1600						0	0	20	
2,4-Dinitrotoluene	ND	330						0	0	20	
2,6-Dinitrotoluene	ND	330						0	0	20	
2-Chloronaphthalene	ND	330						0	0	20	
2-Chlorophenol	ND	330						0	0	20	
2-Methylnaphthalene	ND	330						0	0	20	
2-Methylphenol	ND	330						0	0	20	
2-Nitroaniline	ND	1600						0	0	20	
2-Nitrophenol	ND	330						0	0	20	
3,3´-Dichlorobenzidine	ND	660						0	0	20	
3-Nitroaniline	ND	1600						0	0	20	
4,6-Dinitro-2-methylphenol	ND	1600						0	0	20	
4-Bromophenyl-phenylether	ND	330						0	0	20	
4-Chloro-3-methylphenol	ND	660						0	0	20	
4-Chloroaniline	ND	660						0	0	20	
4-Chlorophenyl-phenylether	ND	330						0	0	20	
3/4-Methylphenol	ND	330						0	0	20	
4-Methylphenol	ND	330						0	0	20	
4-Nitroaniline	ND	1600						0	0	20	
4-Nitrophenol	ND	1600						0	0	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
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DO	Surrogate Diluted Out		Calculations are based on raw values		



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CLIENT: Ninyo & Moore
Work Order: 105139
Project: 207126015

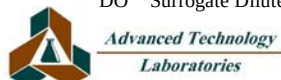
ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: 105139-010ADUP		SampType: DUP		TestCode: 8270_S_FUL		Units: µg/Kg		Prep Date: 4/22/2009		RunNo: 108393	
Client ID: 1001-112-5-S		Batch ID: 54911		TestNo: EPA 8270C		EPA 3550B		Analysis Date: 4/22/2009		SeqNo: 1700642	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	ND	330						0	0	20	
Acenaphthylene	ND	330						0	0	20	
Aniline	ND	330						0	0	20	
Anthracene	ND	330						0	0	20	
Benzidine (M)	ND	1600						0	0	20	
Benzo(a)anthracene	ND	330						0	0	20	
Benzo(a)pyrene	ND	330						0	0	20	
Benzo(b)fluoranthene	ND	330						0	0	20	
Benzo(g,h,i)perylene	ND	330						0	0	20	
Benzo(k)fluoranthene	ND	330						0	0	20	
Benzoic acid	ND	1600						0	0	20	
Benzyl alcohol	ND	660						0	0	20	
Bis(2-chloroethoxy)methane	ND	330						0	0	20	
Bis(2-chloroethyl)ether	ND	330						0	0	20	
Bis(2-chloroisopropyl)ether	ND	330						0	0	20	
Bis(2-ethylhexyl)phthalate	ND	330						0	0	20	
Butylbenzylphthalate	ND	330						0	0	20	
Carbazole	ND	330						0	0	20	
Chrysene	ND	330						0	0	20	
Di-n-butylphthalate	ND	330						0	0	20	
Di-n-octylphthalate	ND	330						0	0	20	
Dibenz(a,h)anthracene	ND	330						0	0	20	
Dibenzofuran	ND	330						0	0	20	
Diethylphthalate	ND	330						0	0	20	
Dimethylphthalate	ND	330						0	0	20	
Fluoranthene	ND	330						0	0	20	
Fluorene	ND	330						0	0	20	
Hexachlorobenzene	ND	330						0	0	20	
Hexachlorobutadiene	ND	660						0	0	20	
Hexachlorocyclopentadiene	ND	660						0	0	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



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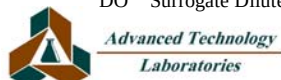
ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: 105139-010ADUP		SampType: DUP		TestCode: 8270_S_FUL		Units: µg/Kg		Prep Date: 4/22/2009		RunNo: 108393		
Client ID: 1001-112-5-S		Batch ID: 54911		TestNo: EPA 8270C		EPA 3550B		Analysis Date: 4/22/2009		SeqNo: 1700642		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hexachloroethane		ND	330						0	0	20	
Indeno(1,2,3-cd)pyrene		ND	330						0	0	20	
Isophorone		ND	330						0	0	20	
N-Nitrosodi-n-propylamine		ND	330						0	0	20	
N-Nitrosodimethylamine		ND	330						0	0	20	
N-Nitrosodiphenylamine		ND	330						0	0	20	
Naphthalene		ND	330						0	0	20	
Nitrobenzene		ND	330						0	0	20	
Pentachlorophenol		ND	1600						0	0	20	
Phenanthrene		ND	330						0	0	20	
Phenol		ND	330						228.0	0	20	
Pyrene		ND	330						0	0	20	
Pyridine		ND	1600						0	0	20	
Surr: 1,2-Dichlorobenzene-d4		2483.309		3330		74.6	49	103		0	0	
Surr: 2,4,6-Tribromophenol		3059.969		3330		91.9	47	129		0	0	
Surr: 2-Chlorophenol-d4		2912.304		3330		87.5	54	109		0	0	
Surr: 2-Fluorobiphenyl		2997.637		3330		90.0	59	108		0	0	
Surr: 2-Fluorophenol		2859.305		3330		85.9	50	111		0	0	
Surr: 4-Terphenyl-d14		3777.296		3330		113	58	135		0	0	
Surr: Nitrobenzene-d5		2683.973		3330		80.6	54	115		0	0	
Surr: Phenol-d5		3045.970		3330		91.5	58	112		0	0	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



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CLIENT: Ninyo & Moore
Work Order: 105139
Project: 207126015

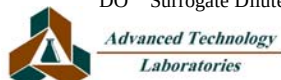
ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: MB-54912	SampType: MBLK	TestCode: 8270_S_FUL	Units: µg/Kg	Prep Date: 4/22/2009	RunNo: 108395						
Client ID: PBS	Batch ID: 54912	TestNo: EPA 8270C	EPA 3550B	Analysis Date: 4/22/2009	SeqNo: 1700648						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	ND	330									
1,2-Dichlorobenzene	ND	330									
1,3-Dichlorobenzene	ND	330									
1,4-Dichlorobenzene	ND	330									
2,4,5-Trichlorophenol	ND	330									
2,4,6-Trichlorophenol	ND	330									
2,4-Dichlorophenol	ND	1600									
2,4-Dimethylphenol	ND	330									
2,4-Dinitrophenol	ND	1600									
2,4-Dinitrotoluene	ND	330									
2,6-Dinitrotoluene	ND	330									
2-Chloronaphthalene	ND	330									
2-Chlorophenol	ND	330									
2-Methylnaphthalene	ND	330									
2-Methylphenol	ND	330									
2-Nitroaniline	ND	1600									
2-Nitrophenol	ND	330									
3,3´-Dichlorobenzidine	ND	660									
3-Nitroaniline	ND	1600									
4,6-Dinitro-2-methylphenol	ND	1600									
4-Bromophenyl-phenylether	ND	330									
4-Chloro-3-methylphenol	ND	660									
4-Chloroaniline	ND	660									
4-Chlorophenyl-phenylether	ND	330									
4-Methylphenol	ND	330									
4-Nitroaniline	ND	1600									
4-Nitrophenol	ND	1600									
Acenaphthene	ND	330									
Acenaphthylene	ND	330									
Anthracene	ND	330									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
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Work Order: 105139
Project: 207126015

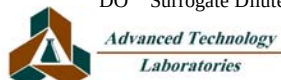
ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: MB-54912	SampType: MBLK	TestCode: 8270_S_FUL	Units: µg/Kg	Prep Date: 4/22/2009	RunNo: 108395						
Client ID: PBS	Batch ID: 54912	TestNo: EPA 8270C	EPA 3550B	Analysis Date: 4/22/2009	SeqNo: 1700648						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benidine (M)	ND	1600									
Benzo(a)anthracene	ND	330									
Benzo(a)pyrene	ND	330									
Benzo(b)fluoranthene	ND	330									
Benzo(g,h,i)perylene	ND	330									
Benzo(k)fluoranthene	ND	330									
Benzoic acid	ND	1600									
Benzyl alcohol	ND	660									
Bis(2-chloroethoxy)methane	ND	330									
Bis(2-chloroethyl)ether	ND	330									
Bis(2-chloroisopropyl)ether	ND	330									
Bis(2-ethylhexyl)phthalate	ND	330									
Butylbenzylphthalate	ND	330									
Chrysene	ND	330									
Di-n-butylphthalate	ND	330									
Di-n-octylphthalate	ND	330									
Dibenz(a,h)anthracene	ND	330									
Dibenzofuran	ND	330									
Diethylphthalate	ND	330									
Dimethylphthalate	ND	330									
Fluoranthene	ND	330									
Fluorene	ND	330									
Hexachlorobenzene	ND	330									
Hexachlorobutadiene	ND	660									
Hexachlorocyclopentadiene	ND	660									
Hexachloroethane	ND	330									
Indeno(1,2,3-cd)pyrene	ND	330									
Isophorone	ND	330									
N-Nitrosodi-n-propylamine	ND	330									
N-Nitrosodiphenylamine	ND	330									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
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DO	Surrogate Diluted Out		Calculations are based on raw values		



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ANALYTICAL QC SUMMARY REPORT

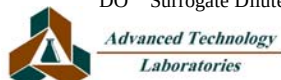
TestCode: 8270_S_FULL

Sample ID: MB-54912		SampType: MBLK		TestCode: 8270_S_FUL		Units: µg/Kg		Prep Date: 4/22/2009		RunNo: 108395		
Client ID: PBS		Batch ID: 54912		TestNo: EPA 8270C		EPA 3550B		Analysis Date: 4/22/2009		SeqNo: 1700648		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene		ND	330									
Nitrobenzene		ND	330									
Pentachlorophenol		ND	1600									
Phenanthrene		ND	330									
Phenol		ND	330									
Pyrene		ND	330									
Surr: 1,2-Dichlorobenzene-d4		3048.000		3330		91.5	49	103				
Surr: 2,4,6-Tribromophenol		3018.333		3330		90.6	47	129				
Surr: 2-Chlorophenol-d4		3208.333		3330		96.3	54	109				
Surr: 2-Fluorobiphenyl		3244.333		3330		97.4	59	108				
Surr: 2-Fluorophenol		3165.000		3330		95.0	50	111				
Surr: 4-Terphenyl-d14		3972.333		3330		119	58	135				
Surr: Nitrobenzene-d5		3157.000		3330		94.8	54	115				
Surr: Phenol-d5		3283.000		3330		98.6	58	112				

Sample ID: LCS-54912	SampType: LCS	TestCode: 8270_S_FUL	Units: µg/Kg	Prep Date: 4/22/2009	RunNo: 108395						
Client ID: LCSS	Batch ID: 54912	TestNo: EPA 8270C	EPA 3550B	Analysis Date: 4/22/2009	SeqNo: 1700649						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	3027.667	330	3330	0	90.9	61	107				
1,4-Dichlorobenzene	2843.667	330	3330	0	85.4	56	100				
2,4-Dinitrotoluene	3865.667	330	3330	0	116	72	130				
2-Chlorophenol	3043.667	330	3330	0	91.4	64	105				
4-Chloro-3-methylphenol	3797.667	660	3330	0	114	74	125				
4-Nitrophenol	4054.667	1600	3330	0	122	77	137				
Acenaphthene	3368.667	330	3330	0	101	63	117				
N-Nitrosodi-n-propylamine	3281.333	330	3330	0	98.5	71	121				
Pentachlorophenol	3477.000	1600	3330	0	104	69	125				
Phenol	3205.000	330	3330	0	96.2	67	111				
Pyrene	3715.000	330	3330	0	112	60	122				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



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ANALYTICAL QC SUMMARY REPORT

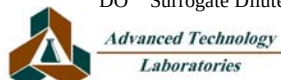
TestCode: 8270_S_FULL

Sample ID: LCS-54912		SampType: LCS	TestCode: 8270_S_FUL		Units: µg/Kg	Prep Date: 4/22/2009			RunNo: 108395		
Client ID: LCSS	Batch ID: 54912		TestNo: EPA 8270C		EPA 3550B	Analysis Date: 4/22/2009			SeqNo: 1700649		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 1,2-Dichlorobenzene-d4	2744.667		3330		82.4	49	103				
Surr: 2,4,6-Tribromophenol	3524.000		3330		106	47	129				
Surr: 2-Chlorophenol-d4	2851.667		3330		85.6	54	109				
Surr: 2-Fluorobiphenyl	3077.667		3330		92.4	59	108				
Surr: 2-Fluorophenol	2751.667		3330		82.6	50	111				
Surr: 4-Terphenyl-d14	3483.333		3330		105	58	135				
Surr: Nitrobenzene-d5	2841.667		3330		85.3	54	115				
Surr: Phenol-d5	2922.000		3330		87.7	58	112				

Sample ID: 105139-016AMS	SampType: MS	TestCode: 8270_S_FUL	Units: µg/Kg	Prep Date: 4/22/2009	RunNo: 108395						
Client ID: 1001-103-20-S	Batch ID: 54912	TestNo: EPA 8270C	EPA 3550B	Analysis Date: 4/22/2009	SeqNo: 1700650						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	3353.300	330	3330	0	101	60	105				
1,4-Dichlorobenzene	3067.969	330	3330	0	92.1	50	99				
2,4-Dinitrotoluene	4068.293	330	3330	0	122	70	130				
2-Chlorophenol	3516.632	330	3330	0	106	58	107				
4-Chloro-3-methylphenol	4054.293	660	3330	0	122	72	124				
4-Nitrophenol	4252.624	1600	3330	0	128	69	139				
Acenaphthene	3628.630	330	3330	0	109	59	118				
N-Nitrosodi-n-propylamine	3617.630	330	3330	0	109	61	125				
Pentachlorophenol	3614.964	1600	3330	0	109	56	131				
Phenol	3687.963	330	3330	98.67	108	60	113				
Pyrene	3912.628	330	3330	0	117	51	130				
Surr: 1,2-Dichlorobenzene-d4	2992.303		3330		89.9	49	103				
Surr: 2,4,6-Tribromophenol	3816.295		3330		115	47	129				
Surr: 2-Chlorophenol-d4	3292.967		3330		98.9	54	109				
Surr: 2-Fluorobiphenyl	3466.632		3330		104	59	108				
Surr: 2-Fluorophenol	3141.969		3330		94.4	50	111				
Surr: 4-Terphenyl-d14	3663.963		3330		110	58	135				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
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DO	Surrogate Diluted Out		Calculations are based on raw values		



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Work Order: 105139
Project: 207126015

ANALYTICAL QC SUMMARY REPORT

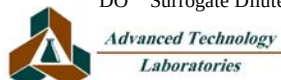
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Sample ID: 105139-016AMS		SampType: MS	TestCode: 8270_S_FUL		Units: µg/Kg	Prep Date: 4/22/2009			RunNo: 108395		
Client ID: 1001-103-20-S	Batch ID: 54912		TestNo: EPA 8270C		EPA 3550B	Analysis Date: 4/22/2009			SeqNo: 1700650		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Nitrobenzene-d5	3137.302		3330		94.2	54	115				
Surr: Phenol-d5	3360.966		3330		101	58	112				

Sample ID: 105139-016AMSD		SampType: MSD	TestCode: 8270_S_FUL		Units: µg/Kg	Prep Date: 4/22/2009			RunNo: 108395			
Client ID:	1001-103-20-S	Batch ID: 54912	TestNo: EPA 8270C		EPA 3550B	Analysis Date: 4/22/2009			SeqNo: 1700651			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene		3256.967	330	3330	0	97.8	60	105	3353	2.91	20	
1,4-Dichlorobenzene		3030.636	330	3330	0	91.0	50	99	3068	1.22	20	
2,4-Dinitrotoluene		3938.294	330	3330	0	118	70	130	4068	3.25	20	
2-Chlorophenol		3479.965	330	3330	0	105	58	107	3517	1.05	20	
4-Chloro-3-methylphenol		3967.294	660	3330	0	119	72	124	4054	2.17	20	
4-Nitrophenol		4055.626	1600	3330	0	122	69	139	4253	4.74	20	
Acenaphthene		3528.631	330	3330	0	106	59	118	3629	2.79	20	
N-Nitrosodi-n-propylamine		3501.965	330	3330	0	105	61	125	3618	3.25	20	
Pentachlorophenol		3518.298	1600	3330	0	106	56	131	3615	2.71	20	
Phenol		3624.297	330	3330	98.67	106	60	113	3688	1.74	20	
Pyrene		3757.962	330	3330	0	113	51	130	3913	4.03	20	
Surr: 1,2-Dichlorobenzene-d4		2947.971		3330		88.5	49	103		0	0	
Surr: 2,4,6-Tribromophenol		3661.630		3330		110	47	129		0	0	
Surr: 2-Chlorophenol-d4		3196.968		3330		96.0	54	109		0	0	
Surr: 2-Fluorobiphenyl		3421.299		3330		103	59	108		0	0	
Surr: 2-Fluorophenol		3089.636		3330		92.8	50	111		0	0	
Surr: 4-Terphenyl-d14		3636.297		3330		109	58	135		0	0	
Surr: Nitrobenzene-d5		3051.969		3330		91.7	54	115		0	0	
Surr: Phenol-d5		3293.634		3330		98.9	58	112		0	0	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



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Work Order: 105139
Project: 207126015

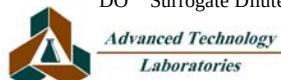
ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: 105139-018ADUP		SampType: DUP		TestCode: 8270_S_FUL		Units: µg/Kg		Prep Date: 4/22/2009		RunNo: 108395	
Client ID: 1001-104-5-S		Batch ID: 54912		TestNo: EPA 8270C		EPA 3550B		Analysis Date: 4/23/2009		SeqNo: 1700656	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	ND	330						0	0	20	
1,2-Dichlorobenzene	ND	330						0	0	20	
1,2-Diphenylhydrazine	ND	330						0	0	20	
1,3-Dichlorobenzene	ND	330						0	0	20	
1,4-Dichlorobenzene	ND	330						0	0	20	
1,4-Dioxane	ND	330						0	0	20	
2,4,5-Trichlorophenol	ND	330						0	0	20	
2,4,6-Trichlorophenol	ND	330						0	0	20	
2,4-Dichlorophenol	ND	1600						0	0	20	
2,4-Dimethylphenol	ND	330						0	0	20	
2,4-Dinitrophenol	ND	1600						0	0	20	
2,4-Dinitrotoluene	ND	330						0	0	20	
2,6-Dinitrotoluene	ND	330						0	0	20	
2-Chloronaphthalene	ND	330						0	0	20	
2-Chlorophenol	ND	330						0	0	20	
2-Methylnaphthalene	ND	330						0	0	20	
2-Methylphenol	ND	330						0	0	20	
2-Nitroaniline	ND	1600						0	0	20	
2-Nitrophenol	ND	330						0	0	20	
3,3´-Dichlorobenzidine	ND	660						0	0	20	
3-Nitroaniline	ND	1600						0	0	20	
4,6-Dinitro-2-methylphenol	ND	1600						0	0	20	
4-Bromophenyl-phenylether	ND	330						0	0	20	
4-Chloro-3-methylphenol	ND	660						0	0	20	
4-Chloroaniline	ND	660						0	0	20	
4-Chlorophenyl-phenylether	ND	330						0	0	20	
3/4-Methylphenol	ND	330						0	0	20	
4-Methylphenol	ND	330						0	0	20	
4-Nitroaniline	ND	1600						0	0	20	
4-Nitrophenol	ND	1600						0	0	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



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CLIENT: Ninyo & Moore
Work Order: 105139
Project: 207126015

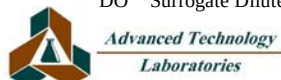
ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: 105139-018ADUP		SampType: DUP		TestCode: 8270_S_FUL		Units: µg/Kg		Prep Date: 4/22/2009		RunNo: 108395	
Client ID: 1001-104-5-S		Batch ID: 54912		TestNo: EPA 8270C		EPA 3550B		Analysis Date: 4/23/2009		SeqNo: 1700656	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	ND	330						0	0	20	
Acenaphthylene	ND	330						0	0	20	
Aniline	ND	330						0	0	20	
Anthracene	ND	330						0	0	20	
Benzidine (M)	ND	1600						0	0	20	
Benzo(a)anthracene	ND	330						0	0	20	
Benzo(a)pyrene	ND	330						0	0	20	
Benzo(b)fluoranthene	ND	330						0	0	20	
Benzo(g,h,i)perylene	ND	330						0	0	20	
Benzo(k)fluoranthene	ND	330						0	0	20	
Benzoic acid	ND	1600						0	0	20	
Benzyl alcohol	ND	660						0	0	20	
Bis(2-chloroethoxy)methane	ND	330						0	0	20	
Bis(2-chloroethyl)ether	ND	330						0	0	20	
Bis(2-chloroisopropyl)ether	ND	330						0	0	20	
Bis(2-ethylhexyl)phthalate	ND	330						0	0	20	
Butylbenzylphthalate	ND	330						0	0	20	
Carbazole	ND	330						0	0	20	
Chrysene	ND	330						0	0	20	
Di-n-butylphthalate	ND	330						0	0	20	
Di-n-octylphthalate	ND	330						0	0	20	
Dibenz(a,h)anthracene	ND	330						0	0	20	
Dibenzofuran	ND	330						0	0	20	
Diethylphthalate	ND	330						0	0	20	
Dimethylphthalate	ND	330						0	0	20	
Fluoranthene	ND	330						0	0	20	
Fluorene	ND	330						0	0	20	
Hexachlorobenzene	ND	330						0	0	20	
Hexachlorobutadiene	ND	660						0	0	20	
Hexachlorocyclopentadiene	ND	660						0	0	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



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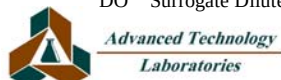
ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: 105139-018ADUP		SampType: DUP		TestCode: 8270_S_FUL		Units: µg/Kg		Prep Date: 4/22/2009		RunNo: 108395		
Client ID: 1001-104-5-S		Batch ID: 54912		TestNo: EPA 8270C		EPA 3550B		Analysis Date: 4/23/2009		SeqNo: 1700656		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hexachloroethane		ND	330						0	0	20	
Indeno(1,2,3-cd)pyrene		ND	330						0	0	20	
Isophorone		ND	330						0	0	20	
N-Nitrosodi-n-propylamine		ND	330						0	0	20	
N-Nitrosodimethylamine		ND	330						0	0	20	
N-Nitrosodiphenylamine		ND	330						0	0	20	
Naphthalene		ND	330						0	0	20	
Nitrobenzene		ND	330						0	0	20	
Pentachlorophenol		ND	1600						0	0	20	
Phenanthrene		ND	330						0	0	20	
Phenol		ND	330						151.3	0	20	
Pyrene		ND	330						0	0	20	
Pyridine		ND	1600						0	0	20	
Surr: 1,2-Dichlorobenzene-d4		2407.309		3330		72.3	49	103		0	0	
Surr: 2,4,6-Tribromophenol		2823.638		3330		84.8	47	129		0	0	
Surr: 2-Chlorophenol-d4		2742.306		3330		82.4	54	109		0	0	
Surr: 2-Fluorobiphenyl		2820.305		3330		84.7	59	108		0	0	
Surr: 2-Fluorophenol		2721.973		3330		81.7	50	111		0	0	
Surr: 4-Terphenyl-d14		3691.296		3330		111	58	135		0	0	
Surr: Nitrobenzene-d5		2615.641		3330		78.5	54	115		0	0	
Surr: Phenol-d5		2881.638		3330		86.5	58	112		0	0	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



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Project: 207126015

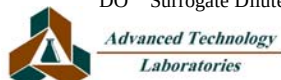
ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: MB-54926	SampType: MBLK	TestCode: 8270_S_FUL	Units: µg/Kg	Prep Date: 4/22/2009	RunNo: 108422						
Client ID: PBS	Batch ID: 54926	TestNo: EPA 8270C	EPA 3550B	Analysis Date: 4/23/2009	SeqNo: 1701105						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	ND	330									
1,2-Dichlorobenzene	ND	330									
1,3-Dichlorobenzene	ND	330									
1,4-Dichlorobenzene	ND	330									
2,4,5-Trichlorophenol	ND	330									
2,4,6-Trichlorophenol	ND	330									
2,4-Dichlorophenol	ND	1600									
2,4-Dimethylphenol	ND	330									
2,4-Dinitrophenol	ND	1600									
2,4-Dinitrotoluene	ND	330									
2,6-Dinitrotoluene	ND	330									
2-Chloronaphthalene	ND	330									
2-Chlorophenol	ND	330									
2-Methylnaphthalene	ND	330									
2-Methylphenol	ND	330									
2-Nitroaniline	ND	1600									
2-Nitrophenol	ND	330									
3,3´-Dichlorobenzidine	ND	660									
3-Nitroaniline	ND	1600									
4,6-Dinitro-2-methylphenol	ND	1600									
4-Bromophenyl-phenylether	ND	330									
4-Chloro-3-methylphenol	ND	660									
4-Chloroaniline	ND	660									
4-Chlorophenyl-phenylether	ND	330									
4-Methylphenol	ND	330									
4-Nitroaniline	ND	1600									
4-Nitrophenol	ND	1600									
Acenaphthene	ND	330									
Acenaphthylene	ND	330									
Anthracene	ND	330									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
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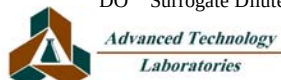
ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: MB-54926	SampType: MBLK	TestCode: 8270_S_FUL	Units: µg/Kg	Prep Date: 4/22/2009	RunNo: 108422						
Client ID: PBS	Batch ID: 54926	TestNo: EPA 8270C	EPA 3550B	Analysis Date: 4/23/2009	SeqNo: 1701105						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benidine (M)	ND	1600									
Benzo(a)anthracene	ND	330									
Benzo(a)pyrene	ND	330									
Benzo(b)fluoranthene	ND	330									
Benzo(g,h,i)perylene	ND	330									
Benzo(k)fluoranthene	ND	330									
Benzoic acid	ND	1600									
Benzyl alcohol	ND	660									
Bis(2-chloroethoxy)methane	ND	330									
Bis(2-chloroethyl)ether	ND	330									
Bis(2-chloroisopropyl)ether	ND	330									
Bis(2-ethylhexyl)phthalate	ND	330									
Butylbenzylphthalate	ND	330									
Chrysene	ND	330									
Di-n-butylphthalate	ND	330									
Di-n-octylphthalate	ND	330									
Dibenz(a,h)anthracene	ND	330									
Dibenzofuran	ND	330									
Diethylphthalate	ND	330									
Dimethylphthalate	ND	330									
Fluoranthene	ND	330									
Fluorene	ND	330									
Hexachlorobenzene	ND	330									
Hexachlorobutadiene	ND	660									
Hexachlorocyclopentadiene	ND	660									
Hexachloroethane	ND	330									
Indeno(1,2,3-cd)pyrene	ND	330									
Isophorone	ND	330									
N-Nitrosodi-n-propylamine	ND	330									
N-Nitrosodiphenylamine	ND	330									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
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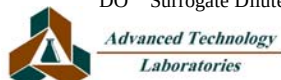
TestCode: 8270_S_FULL

Sample ID: MB-54926	SampType: MBLK	TestCode: 8270_S_FUL	Units: µg/Kg	Prep Date: 4/22/2009	RunNo: 108422						
Client ID: PBS	Batch ID: 54926	TestNo: EPA 8270C	EPA 3550B	Analysis Date: 4/23/2009	SeqNo: 1701105						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	ND	330									
Nitrobenzene	ND	330									
Pentachlorophenol	ND	1600									
Phenanthrene	ND	330									
Phenol	ND	330									
Pyrene	ND	330									
Surr: 1,2-Dichlorobenzene-d4	2937.667		3330		88.2	49	103				
Surr: 2,4,6-Tribromophenol	2628.000		3330		78.9	47	129				
Surr: 2-Chlorophenol-d4	3056.333		3330		91.8	54	109				
Surr: 2-Fluorobiphenyl	3235.667		3330		97.2	59	108				
Surr: 2-Fluorophenol	3030.333		3330		91.0	50	111				
Surr: 4-Terphenyl-d14	4446.000		3330		134	58	135				
Surr: Nitrobenzene-d5	3080.000		3330		92.5	54	115				
Surr: Phenol-d5	3089.333		3330		92.8	58	112				

Sample ID: LCS-54926	SampType: LCS	TestCode: 8270_S_FUL	Units: µg/Kg	Prep Date: 4/22/2009	RunNo: 108422						
Client ID: LCSS	Batch ID: 54926	TestNo: EPA 8270C	EPA 3550B	Analysis Date: 4/23/2009	SeqNo: 1701106						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	3240.000	330	3330	0	97.3	61	107				
1,4-Dichlorobenzene	3026.333	330	3330	0	90.9	56	100				
2,4-Dinitrotoluene	3481.333	330	3330	0	105	72	130				
2-Chlorophenol	3200.333	330	3330	0	96.1	64	105				
4-Chloro-3-methylphenol	3658.667	660	3330	0	110	74	125				
4-Nitrophenol	3501.000	1600	3330	0	105	77	137				
Acenaphthene	3461.333	330	3330	0	104	63	117				
N-Nitrosodi-n-propylamine	3391.000	330	3330	0	102	71	121				
Pentachlorophenol	3145.333	1600	3330	0	94.5	69	125				
Phenol	3324.333	330	3330	0	99.8	67	111				
Pyrene	3285.000	330	3330	0	98.6	60	122				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



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ANALYTICAL QC SUMMARY REPORT

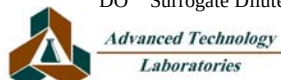
TestCode: 8270_S_FULL

Sample ID: LCS-54926	SampType: LCS	TestCode: 8270_S_FUL	Units: µg/Kg	Prep Date: 4/22/2009	RunNo: 108422						
Client ID: LCSS	Batch ID: 54926	TestNo: EPA 8270C	EPA 3550B	Analysis Date: 4/23/2009	SeqNo: 1701106						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 1,2-Dichlorobenzene-d4	2959.667		3330		88.9	49	103				
Surr: 2,4,6-Tribromophenol	3157.333		3330		94.8	47	129				
Surr: 2-Chlorophenol-d4	3033.000		3330		91.1	54	109				
Surr: 2-Fluorobiphenyl	3492.667		3330		105	59	108				
Surr: 2-Fluorophenol	2880.333		3330		86.5	50	111				
Surr: 4-Terphenyl-d14	3647.333		3330		110	58	135				
Surr: Nitrobenzene-d5	3123.333		3330		93.8	54	115				
Surr: Phenol-d5	3064.000		3330		92.0	58	112				

Sample ID: 105139-032AMS		SampType: MS		TestCode: 8270_S_FUL		Units: µg/Kg		Prep Date: 4/22/2009		RunNo: 108422	
Client ID: 1001-104-20-S		Batch ID: 54926		TestNo: EPA 8270C		EPA 3550B		Analysis Date: 4/23/2009		SeqNo: 1701107	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	3219.667	330	3330	0	96.7	60	105				
1,4-Dichlorobenzene	2879.000	330	3330	0	86.5	50	99				
2,4-Dinitrotoluene	3671.000	330	3330	0	110	70	130				
2-Chlorophenol	3339.000	330	3330	0	100	58	107				
4-Chloro-3-methylphenol	3749.333	660	3330	0	113	72	124				
4-Nitrophenol	3638.000	1600	3330	0	109	69	139				
Acenaphthene	3465.000	330	3330	0	104	59	118				
N-Nitrosodi-n-propylamine	3387.000	330	3330	0	102	61	125				
Pentachlorophenol	3142.667	1600	3330	0	94.4	56	131				
Phenol	3426.667	330	3330	178.3	97.5	60	113				
Pyrene	3380.333	330	3330	0	102	51	130				
Surr: 1,2-Dichlorobenzene-d4	2819.000		3330		84.7	49	103				
Surr: 2,4,6-Tribromophenol	3317.333		3330		99.6	47	129				
Surr: 2-Chlorophenol-d4	3081.667		3330		92.5	54	109				
Surr: 2-Fluorobiphenyl	3489.667		3330		105	59	108				
Surr: 2-Fluorophenol	2946.000		3330		88.5	50	111				
Surr: 4-Terphenyl-d14	3944.333		3330		118	58	135				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



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ANALYTICAL QC SUMMARY REPORT

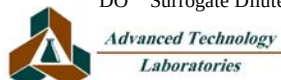
TestCode: 8270_S_FULL

Sample ID: 105139-032AMS		SampType: MS		TestCode: 8270_S_FUL		Units: µg/Kg		Prep Date: 4/22/2009			RunNo: 108422		
Client ID: 1001-104-20-S		Batch ID: 54926		TestNo: EPA 8270C		EPA 3550B		Analysis Date: 4/23/2009			SeqNo: 1701107		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Nitrobenzene-d5		3004.000			3330		90.2	54	115				
Surr: Phenol-d5		3121.667			3330		93.7	58	112				

Sample ID: 105139-032AMSD		SampType: MSD	TestCode: 8270_S_FUL		Units: µg/Kg	Prep Date: 4/22/2009			RunNo: 108422		
Client ID:	1001-104-20-S	Batch ID: 54926	TestNo: EPA 8270C		EPA 3550B	Analysis Date: 4/23/2009			SeqNo: 1701108		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	3298.000	330	3330	0	99.0	60	105	3220	2.40	20	
1,4-Dichlorobenzene	2945.000	330	3330	0	88.4	50	99	2879	2.27	20	
2,4-Dinitrotoluene	3692.000	330	3330	0	111	70	130	3671	0.570	20	
2-Chlorophenol	3359.667	330	3330	0	101	58	107	3339	0.617	20	
4-Chloro-3-methylphenol	3783.000	660	3330	0	114	72	124	3749	0.894	20	
4-Nitrophenol	3638.333	1600	3330	0	109	69	139	3638	0.00916	20	
Acenaphthene	3527.000	330	3330	0	106	59	118	3465	1.77	20	
N-Nitrosodi-n-propylamine	3397.333	330	3330	0	102	61	125	3387	0.305	20	
Pentachlorophenol	3167.333	1600	3330	0	95.1	56	131	3143	0.782	20	
Phenol	3446.000	330	3330	178.3	98.1	60	113	3427	0.563	20	
Pyrene	3407.667	330	3330	0	102	51	130	3380	0.805	20	
Surr: 1,2-Dichlorobenzene-d4	2867.667		3330		86.1	49	103		0	0	
Surr: 2,4,6-Tribromophenol	3360.333		3330		101	47	129		0	0	
Surr: 2-Chlorophenol-d4	3124.000		3330		93.8	54	109		0	0	
Surr: 2-Fluorobiphenyl	3515.000		3330		106	59	108		0	0	
Surr: 2-Fluorophenol	2987.333		3330		89.7	50	111		0	0	
Surr: 4-Terphenyl-d14	3971.000		3330		119	58	135		0	0	
Surr: Nitrobenzene-d5	3117.667		3330		93.6	54	115		0	0	
Surr: Phenol-d5	3163.000		3330		95.0	58	112		0	0	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
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DO	Surrogate Diluted Out		Calculations are based on raw values		



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Work Order: 105139
Project: 207126015

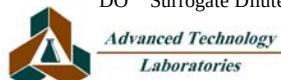
ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: 105139-027ADUP		SampType: DUP		TestCode: 8270_S_FUL		Units: µg/Kg		Prep Date: 4/22/2009		RunNo: 108422	
Client ID: 1001-111-10-S		Batch ID: 54926		TestNo: EPA 8270C		EPA 3550B		Analysis Date: 4/24/2009		SeqNo: 1702819	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	ND	330						0	0	20	
1,2-Dichlorobenzene	ND	330						0	0	20	
1,2-Diphenylhydrazine	ND	330						0	0	20	
1,3-Dichlorobenzene	ND	330						0	0	20	
1,4-Dichlorobenzene	ND	330						0	0	20	
1,4-Dioxane	ND	330						0	0	20	
2,4,5-Trichlorophenol	ND	330						0	0	20	
2,4,6-Trichlorophenol	ND	330						0	0	20	
2,4-Dichlorophenol	ND	1600						0	0	20	
2,4-Dimethylphenol	ND	330						0	0	20	
2,4-Dinitrophenol	ND	1600						0	0	20	
2,4-Dinitrotoluene	ND	330						0	0	20	
2,6-Dinitrotoluene	ND	330						0	0	20	
2-Chloronaphthalene	ND	330						0	0	20	
2-Chlorophenol	ND	330						0	0	20	
2-Methylnaphthalene	ND	330						0	0	20	
2-Methylphenol	ND	330						0	0	20	
2-Nitroaniline	ND	1600						0	0	20	
2-Nitrophenol	ND	330						0	0	20	
3,3´-Dichlorobenzidine	ND	660						0	0	20	
3-Nitroaniline	ND	1600						0	0	20	
4,6-Dinitro-2-methylphenol	ND	1600						0	0	20	
4-Bromophenyl-phenylether	ND	330						0	0	20	
4-Chloro-3-methylphenol	ND	660						0	0	20	
4-Chloroaniline	ND	660						0	0	20	
4-Chlorophenyl-phenylether	ND	330						0	0	20	
3/4-Methylphenol	ND	330						0	0	20	
4-Methylphenol	ND	330						0	0	20	
4-Nitroaniline	ND	1600						0	0	20	
4-Nitrophenol	ND	1600						0	0	20	

Qualifiers:

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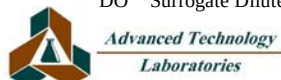
ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: 105139-027ADUP		SampType: DUP		TestCode: 8270_S_FUL		Units: µg/Kg		Prep Date: 4/22/2009		RunNo: 108422	
Client ID: 1001-111-10-S		Batch ID: 54926		TestNo: EPA 8270C		EPA 3550B		Analysis Date: 4/24/2009		SeqNo: 1702819	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	ND	330						0	0	20	
Acenaphthylene	ND	330						0	0	20	
Aniline	ND	330						0	0	20	
Anthracene	ND	330						0	0	20	
Benzidine (M)	ND	1600						0	0	20	
Benzo(a)anthracene	ND	330						0	0	20	
Benzo(a)pyrene	ND	330						0	0	20	
Benzo(b)fluoranthene	ND	330						0	0	20	
Benzo(g,h,i)perylene	ND	330						0	0	20	
Benzo(k)fluoranthene	ND	330						0	0	20	
Benzoic acid	ND	1600						0	0	20	
Benzyl alcohol	ND	660						0	0	20	
Bis(2-chloroethoxy)methane	ND	330						0	0	20	
Bis(2-chloroethyl)ether	ND	330						0	0	20	
Bis(2-chloroisopropyl)ether	ND	330						0	0	20	
Bis(2-ethylhexyl)phthalate	ND	330						0	0	20	
Butylbenzylphthalate	ND	330						0	0	20	
Carbazole	ND	330						0	0	20	
Chrysene	ND	330						0	0	20	
Di-n-butylphthalate	ND	330						0	0	20	
Di-n-octylphthalate	ND	330						0	0	20	
Dibenz(a,h)anthracene	ND	330						0	0	20	
Dibenzofuran	ND	330						0	0	20	
Diethylphthalate	ND	330						0	0	20	
Dimethylphthalate	ND	330						0	0	20	
Fluoranthene	ND	330						0	0	20	
Fluorene	ND	330						0	0	20	
Hexachlorobenzene	ND	330						0	0	20	
Hexachlorobutadiene	ND	660						0	0	20	
Hexachlorocyclopentadiene	ND	660						0	0	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
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DO	Surrogate Diluted Out		Calculations are based on raw values		



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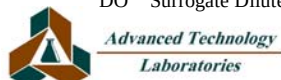
ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: 105139-027ADUP		SampType: DUP		TestCode: 8270_S_FUL		Units: µg/Kg		Prep Date: 4/22/2009		RunNo: 108422		
Client ID: 1001-111-10-S		Batch ID: 54926		TestNo: EPA 8270C		EPA 3550B		Analysis Date: 4/24/2009		SeqNo: 1702819		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hexachloroethane		ND	330						0	0	20	
Indeno(1,2,3-cd)pyrene		ND	330						0	0	20	
Isophorone		ND	330						0	0	20	
N-Nitrosodi-n-propylamine		ND	330						0	0	20	
N-Nitrosodimethylamine		ND	330						0	0	20	
N-Nitrosodiphenylamine		ND	330						0	0	20	
Naphthalene		ND	330						0	0	20	
Nitrobenzene		ND	330						0	0	20	
Pentachlorophenol		ND	1600						0	0	20	
Phenanthrene		ND	330						0	0	20	
Phenol		ND	330						537.7	0	20	
Pyrene		ND	330						0	0	20	
Pyridine		ND	1600						0	0	20	
Surr: 1,2-Dichlorobenzene-d4		2811.667		3330		84.4	49	103		0	0	
Surr: 2,4,6-Tribromophenol		2886.333		3330		86.7	47	129		0	0	
Surr: 2-Chlorophenol-d4		3013.333		3330		90.5	54	109		0	0	
Surr: 2-Fluorobiphenyl		3383.333		3330		102	59	108		0	0	
Surr: 2-Fluorophenol		2956.667		3330		88.8	50	111		0	0	
Surr: 4-Terphenyl-d14		4393.333		3330		132	58	135		0	0	
Surr: Nitrobenzene-d5		3071.667		3330		92.2	54	115		0	0	
Surr: Phenol-d5		3152.667		3330		94.7	58	112		0	0	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
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DO	Surrogate Diluted Out		Calculations are based on raw values		



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Work Order: 105139
Project: 207126015

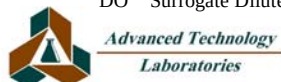
ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_W_FULL

Sample ID: MB-54957	SampType: MBLK	TestCode: 8270_W_FUL	Units: µg/L	Prep Date: 4/23/2009	RunNo: 108532						
Client ID: PBW	Batch ID: 54957	TestNo: EPA 8270C	EPA 3510C	Analysis Date: 4/27/2009	SeqNo: 1703230						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	ND	10									
1,2-Dichlorobenzene	ND	10									
1,3-Dichlorobenzene	ND	10									
1,4-Dichlorobenzene	ND	10									
2,4,5-Trichlorophenol	ND	10									
2,4,6-Trichlorophenol	ND	10									
2,4-Dichlorophenol	ND	10									
2,4-Dimethylphenol	ND	10									
2,4-Dinitrophenol	ND	50									
2,4-Dinitrotoluene	ND	10									
2,6-Dinitrotoluene	ND	10									
2-Chloronaphthalene	ND	10									
2-Chlorophenol	ND	10									
2-Methylnaphthalene	ND	10									
2-Methylphenol	ND	10									
2-Nitroaniline	ND	50									
2-Nitrophenol	ND	10									
3,3´-Dichlorobenzidine	ND	20									
3-Nitroaniline	ND	50									
4,6-Dinitro-2-methylphenol	ND	50									
4-Bromophenyl-phenylether	ND	10									
4-Chloro-3-methylphenol	ND	50									
4-Chloroaniline	ND	20									
4-Chlorophenyl-phenylether	ND	10									
4-Methylphenol	ND	10									
4-Nitroaniline	ND	20									
4-Nitrophenol	ND	50									
Acenaphthene	ND	10									
Acenaphthylene	ND	10									
Anthracene	ND	10									

Qualifiers:

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Project: 207126015

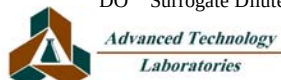
ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_W_FULL

Sample ID: MB-54957	SampType: MBLK	TestCode: 8270_W_FUL	Units: µg/L	Prep Date: 4/23/2009	RunNo: 108532						
Client ID: PBW	Batch ID: 54957	TestNo: EPA 8270C	EPA 3510C	Analysis Date: 4/27/2009	SeqNo: 1703230						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzydine (M)	ND	50									
Benzo(a)anthracene	ND	10									
Benzo(a)pyrene	ND	10									
Benzo(b)fluoranthene	ND	10									
Benzo(g,h,i)perylene	ND	10									
Benzo(k)fluoranthene	ND	10									
Benzoic acid	ND	50									
Benzyl alcohol	ND	20									
Bis(2-chloroethoxy)methane	ND	10									
Bis(2-chloroethyl)ether	ND	10									
Bis(2-chloroisopropyl)ether	ND	10									
Bis(2-ethylhexyl)phthalate	ND	10									
Butylbenzylphthalate	ND	10									
Chrysene	ND	10									
Di-n-butylphthalate	ND	10									
Di-n-octylphthalate	ND	10									
Dibenz(a,h)anthracene	ND	10									
Dibenzofuran	ND	10									
Diethylphthalate	ND	10									
Dimethylphthalate	ND	10									
Fluoranthene	ND	10									
Fluorene	ND	10									
Hexachlorobenzene	ND	10									
Hexachlorobutadiene	ND	20									
Hexachlorocyclopentadiene	ND	10									
Hexachloroethane	ND	10									
Indeno(1,2,3-cd)pyrene	ND	10									
Isophorone	ND	10									
N-Nitrosodi-n-propylamine	ND	10									
N-Nitrosodiphenylamine	ND	10									

Qualifiers:

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ANALYTICAL QC SUMMARY REPORT

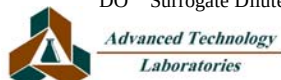
TestCode: 8270_W_FULL

Sample ID: MB-54957	SampType: MBLK	TestCode: 8270_W_FUL	Units: µg/L	Prep Date: 4/23/2009	RunNo: 108532						
Client ID: PBW	Batch ID: 54957	TestNo: EPA 8270C	EPA 3510C	Analysis Date: 4/27/2009	SeqNo: 1703230						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	ND	10									
Nitrobenzene	ND	10									
Pentachlorophenol	ND	50									
Phenanthrene	ND	10									
Phenol	ND	10									
Pyrene	ND	10									
Surr: 1,2-Dichlorobenzene-d4	75.030		100.0		75.0	42	98				
Surr: 2,4,6-Tribromophenol	88.320		100.0		88.3	60	128				
Surr: 2-Chlorophenol-d4	70.520		100.0		70.5	43	102				
Surr: 2-Fluorobiphenyl	82.480		100.0		82.5	50	108				
Surr: 2-Fluorophenol	42.840		100.0		42.8	22	69				
Surr: 4-Terphenyl-d14	109.500		100.0		110	66	130				
Surr: Nitrobenzene-d5	82.660		100.0		82.7	47	117				
Surr: Phenol-d5	28.900		100.0		28.9	16	50				

Sample ID: LCS-54957	SampType: LCS	TestCode: 8270_W_FUL	Units: µg/L	Prep Date: 4/23/2009	RunNo: 108532						
Client ID: LCSW	Batch ID: 54957	TestNo: EPA 8270C	EPA 3510C	Analysis Date: 4/27/2009	SeqNo: 1703231						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	82.350	10	100.0	0	82.4	54	110				
1,4-Dichlorobenzene	72.690	10	100.0	0	72.7	48	103				
2,4-Dinitrotoluene	101.530	10	100.0	0	102	69	136				
2-Chlorophenol	75.260	10	100.0	0	75.3	53	100				
4-Chloro-3-methylphenol	96.750	50	100.0	0	96.8	70	124				
4-Nitrophenol	47.400	50	100.0	0	47.4	32	69				
Acenaphthene	93.500	10	100.0	0	93.5	64	118				
N-Nitrosodi-n-propylamine	94.300	10	100.0	0	94.3	62	130				
Pentachlorophenol	108.110	50	100.0	0	108	64	130				
Phenol	33.510	10	100.0	0	33.5	25	50				
Pyrene	100.210	10	100.0	0	100	66	123				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
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DO	Surrogate Diluted Out		Calculations are based on raw values		



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ANALYTICAL QC SUMMARY REPORT

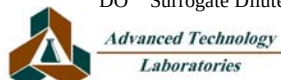
TestCode: 8270_W_FULL

Sample ID: LCS-54957		SampType: LCS	TestCode: 8270_W_FUL		Units: µg/L	Prep Date: 4/23/2009			RunNo: 108532			
Client ID: LCSW	Batch ID: 54957		TestNo: EPA 8270C		EPA 3510C	Analysis Date: 4/27/2009			SeqNo: 1703231			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 1,2-Dichlorobenzene-d4		70.400		100.0		70.4	42	98				
Surr: 2,4,6-Tribromophenol		92.760		100.0		92.8	60	128				
Surr: 2-Chlorophenol-d4		69.670		100.0		69.7	43	102				
Surr: 2-Fluorobiphenyl		85.330		100.0		85.3	50	108				
Surr: 2-Fluorophenol		42.460		100.0		42.5	22	69				
Surr: 4-Terphenyl-d14		91.060		100.0		91.1	66	130				
Surr: Nitrobenzene-d5		81.510		100.0		81.5	47	117				
Surr: Phenol-d5		30.250		100.0		30.2	16	50				

Sample ID: MB-54957MS	SampType: MS	TestCode: 8270_W_FUL	Units: µg/L	Prep Date: 4/23/2009	RunNo: 108532						
Client ID: ZZZZZZ	Batch ID: 54957	TestNo: EPA 8270C	EPA 3510C	Analysis Date: 4/27/2009	SeqNo: 1703232						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	88.760	10	100.0	0	88.8	54	110				
1,4-Dichlorobenzene	80.860	10	100.0	0	80.9	48	103				
2,4-Dinitrotoluene	105.780	10	100.0	0	106	69	136				
2-Chlorophenol	82.940	10	100.0	0	82.9	53	100				
4-Chloro-3-methylphenol	103.930	50	100.0	0	104	70	124				
4-Nitrophenol	48.880	50	100.0	0	48.9	32	69				
Acenaphthene	99.380	10	100.0	0	99.4	64	118				
N-Nitrosodi-n-propylamine	97.320	10	100.0	0	97.3	62	130				
Pentachlorophenol	113.160	50	100.0	0	113	64	130				
Phenol	35.770	10	100.0	0	35.8	25	50				
Pyrene	104.020	10	100.0	0	104	66	123				
Surr: 1,2-Dichlorobenzene-d4	77.430		100.0		77.4	42	98				
Surr: 2,4,6-Tribromophenol	96.960		100.0		97.0	60	128				
Surr: 2-Chlorophenol-d4	75.540		100.0		75.5	43	102				
Surr: 2-Fluorobiphenyl	90.850		100.0		90.8	50	108				
Surr: 2-Fluorophenol	44.360		100.0		44.4	22	69				
Surr: 4-Terphenyl-d14	98.360		100.0		98.4	66	130				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
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ANALYTICAL QC SUMMARY REPORT

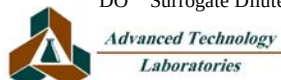
TestCode: 8270_W_FULL

Sample ID: MB-54957MS	SampType: MS	TestCode: 8270_W_FUL	Units: µg/L	Prep Date: 4/23/2009	RunNo: 108532						
Client ID: ZZZZZZ	Batch ID: 54957	TestNo: EPA 8270C	EPA 3510C	Analysis Date: 4/27/2009	SeqNo: 1703232						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Nitrobenzene-d5	87.720		100.0		87.7	47	117				
Surr: Phenol-d5	31.910		100.0		31.9	16	50				

Sample ID: MB-54957MSD	SampType: MSD	TestCode: 8270_W_FUL	Units: µg/L	Prep Date: 4/23/2009	RunNo: 108532						
Client ID: ZZZZZZ	Batch ID: 54957	TestNo: EPA 8270C	EPA 3510C	Analysis Date: 4/27/2009	SeqNo: 1703233						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	87.750	10	100.0	0	87.8	54	110	88.76	1.14	20	
1,4-Dichlorobenzene	78.940	10	100.0	0	78.9	48	103	80.86	2.40	20	
2,4-Dinitrotoluene	103.700	10	100.0	0	104	69	136	105.8	1.99	20	
2-Chlorophenol	79.970	10	100.0	0	80.0	53	100	82.94	3.65	20	
4-Chloro-3-methylphenol	102.000	50	100.0	0	102	70	124	103.9	1.87	20	
4-Nitrophenol	48.940	50	100.0	0	48.9	32	69	48.88	0	20	
Acenaphthene	95.190	10	100.0	0	95.2	64	118	99.38	4.31	20	
N-Nitrosodi-n-propylamine	94.910	10	100.0	0	94.9	62	130	97.32	2.51	20	
Pentachlorophenol	110.370	50	100.0	0	110	64	130	113.2	2.50	20	
Phenol	36.300	10	100.0	0	36.3	25	50	35.77	1.47	20	
Pyrene	100.370	10	100.0	0	100	66	123	104.0	3.57	20	
Surr: 1,2-Dichlorobenzene-d4	75.630		100.0		75.6	42	98		0	0	
Surr: 2,4,6-Tribromophenol	94.760		100.0		94.8	60	128		0	0	
Surr: 2-Chlorophenol-d4	74.730		100.0		74.7	43	102		0	0	
Surr: 2-Fluorobiphenyl	86.110		100.0		86.1	50	108		0	0	
Surr: 2-Fluorophenol	44.380		100.0		44.4	22	69		0	0	
Surr: 4-Terphenyl-d14	96.940		100.0		96.9	66	130		0	0	
Surr: Nitrobenzene-d5	87.440		100.0		87.4	47	117		0	0	
Surr: Phenol-d5	31.700		100.0		31.7	16	50		0	0	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



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CLIENT: Ninyo & Moore
Work Order: 105139
Project: 207126015

ANALYTICAL QC SUMMARY REPORT

TestCode: 9045_S

Sample ID: 105139-001A	SampType: DUP	TestCode: 9045_S	Units: pH Units	Prep Date:	RunNo: 108340						
Client ID: 1001-101-2-S	Batch ID: R108340	TestNo: EPA 9045C	Analysis Date: 4/21/2009	SeqNo: 1699856							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	7.000	0.10						6.940	0.861	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
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CLIENT: Ninyo & Moore
Work Order: 105139
Project: 207126015

ANALYTICAL QC SUMMARY REPORT

TestCode: 9045_S

Sample ID: 105139-011A	SampType: DUP	TestCode: 9045_S	Units: pH Units	Prep Date:	RunNo: 108341						
Client ID: 1001-112-10-S	Batch ID: R108341	TestNo: EPA 9045C	Analysis Date: 4/21/2009	SeqNo: 1699869							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	8.290	0.10						8.260	0.363	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



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ANALYTICAL QC SUMMARY REPORT

TestCode: 9045_S

Sample ID: 105139-021A	SampType: DUP	TestCode: 9045_S	Units: pH Units	Prep Date:	RunNo: 108342						
Client ID: 1001-105-5-S	Batch ID: R108342	TestNo: EPA 9045C	Analysis Date: 4/21/2009	SeqNo: 1699880							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	7.010	0.10						6.980	0.429	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



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ANALYTICAL QC SUMMARY REPORT

TestCode: HC_S_SEMI

Sample ID: MB-54880	SampType: MBLK	TestCode: HC_S_SEMI	Units: mg/Kg	Prep Date: 4/21/2009	RunNo: 108424						
Client ID: PBS	Batch ID: 54880	TestNo: EPA 8015B(M LUFT	Analysis Date: 4/23/2009	SeqNo: 1701242							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C13-C22	ND	10									
T/R Hydrocarbons: C23-C32	ND	10									
T/R Hydrocarbons:>C32	ND	10									
Surr: p-Terphenyl	75.280		80.00		94.1	57	144				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



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ANALYTICAL QC SUMMARY REPORT

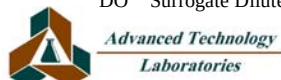
TestCode: HC_S_SEMI

Sample ID: MB-54918		SampType: MBLK	TestCode: HC_S_SEMI		Units: mg/Kg	Prep Date: 4/22/2009			RunNo: 108562		
Client ID: PBS	Batch ID: 54918		TestNo: EPA 8015B(M LUFT			Analysis Date: 4/23/2009			SeqNo: 1703756		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C13-C22	ND	10									
T/R Hydrocarbons: C23-C32	ND	10									
T/R Hydrocarbons:>C32	ND	10									
Surr: p-Terphenyl	80.260		80.00		100	57	144				

Sample ID: 105139-001ADUP	SampType: DUP	TestCode: HC_S_SEMI	Units: mg/Kg	Prep Date: 4/22/2009	RunNo: 108562						
Client ID: 1001-101-2-S	Batch ID: 54918	TestNo: EPA 8015B(M LUFT	Analysis Date: 4/23/2009	SeqNo: 1703757							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
C12+ to C22	ND	10						0	0	20	
C13-C22	ND	10						0	0	20	
C18-C36	ND	10						0	0	20	
T/R Hydrocarbons: C8	ND	10						0	0	20	
C22+ to C40	ND	10						0	0	20	
C23-C39	ND	10						0	0	20	
T/R Hydrocarbons: C6-C12	ND	10						0	0	20	
T/R Hydrocarbons: C8-C10	ND	10						0	0	20	
T/R Hydrocarbons: C8-C12	ND	10						0	0	20	
T/R Hydrocarbons: C8-C40	ND	10						0	0	20	
T/R Hydrocarbons: C9-C25	ND	10						0	0	20	
T/R Hydrocarbons: C10-C12	ND	10						0	0	20	
T/R Hydrocarbons: C10-C14	ND	10						0	0	20	
T/R Hydrocarbons: C10-C18	ND	10						0	0	20	
T/R Hydrocarbons: C10-C28	ND	10						0	0	20	
T/R Hydrocarbons: C12-C16	ND	10						0	0	20	
T/R Hydrocarbons: C12-C40	ND	10						0	0	20	
T/R Hydrocarbons: C13-C15	ND	10						0	0	20	
T/R Hydrocarbons: C13-C22	ND	10						0	0	20	
T/R Hydrocarbons: C13-C23	ND	10						0	0	20	
T/R Hydrocarbons: C9-C18	ND	10						0	0	20	

Qualifiers:

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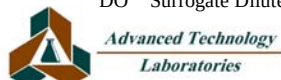
ANALYTICAL QC SUMMARY REPORT

TestCode: HC_S_SEMI

Sample ID: 105139-001ADUP		SampType: DUP		TestCode: HC_S_SEMI		Units: mg/Kg		Prep Date: 4/22/2009		RunNo: 108562		
Client ID: 1001-101-2-S		Batch ID: 54918		TestNo: EPA 8015B(M LUFT				Analysis Date: 4/23/2009		SeqNo: 1703757		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C15-C28		ND	10						0	0	20	
T/R Hydrocarbons: C16-C20		ND	10						0	0	20	
T/R Hydrocarbons: C16-C22		ND	10						0	0	20	
T/R Hydrocarbons: C19-C32		ND	10						0	0	20	
T/R Hydrocarbons: C20-C24		ND	10						0	0	20	
T/R Hydrocarbons: C23-C32		ND	10						0	0	20	
T/R Hydrocarbons: C23-C40		ND	10						0	0	20	
T/R Hydrocarbons: C24-C28		ND	10						0	0	20	
T/R Hydrocarbons: C24-C40		ND	10						0	0	20	
T/R Hydrocarbons: C28-C32		ND	10						0	0	20	
T/R Hydrocarbons: C28-C36		ND	10						0	0	20	
T/R Hydrocarbons: C29-C36		ND	10						0	0	20	
T/R Hydrocarbons: C32-C36		ND	10						0	0	20	
T/R Hydrocarbons: C33-C40		ND	10						0	0	20	
T/R Hydrocarbons: C34-C36		ND	10						0	0	20	
T/R Hydrocarbons: C36-C40		ND	10						0	0	20	
T/R Hydrocarbons: C38-C40		ND	10						0	0	20	
T/R Hydrocarbons:>C23		ND	10						0	0	20	
T/R Hydrocarbons:>C32		ND	10						0	0	20	
T/R Hydrocarbons:>C40		ND	10						0	0	20	
T/R Hydrocarbons: C8-C40 Total		ND	10						0	0	20	
T/R Hydrocarbons: C13-C28		ND	10						0	0	0	
T/R Hydrocarbons: C29-C40		ND	10						0	0	0	
Surr: p-Terphenyl		69.580		80.00		87.0	57	144		0	0	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
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DO	Surrogate Diluted Out		Calculations are based on raw values		



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ANALYTICAL QC SUMMARY REPORT

TestCode: HC_S_SEMI

Sample ID: MB-54919	SampType: MBLK	TestCode: HC_S_SEMI	Units: mg/Kg	Prep Date: 4/22/2009	RunNo: 108526						
Client ID: PBS	Batch ID: 54919	TestNo: EPA 8015B(M LUFT	Analysis Date: 4/25/2009	SeqNo: 1703236							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C13-C22	ND	10									
T/R Hydrocarbons: C23-C32	ND	10									
T/R Hydrocarbons:>C32	ND	10									
Surr: p-Terphenyl	80.730		80.00		101	57	144				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



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ANALYTICAL QC SUMMARY REPORT

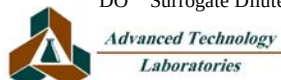
TestCode: HC_S_SEMI

Sample ID: MB-54920	SampType: MBLK	TestCode: HC_S_SEMI	Units: mg/Kg	Prep Date: 4/22/2009	RunNo: 108637						
Client ID: PBS	Batch ID: 54920	TestNo: EPA 8015B(M LUFT	Analysis Date: 4/30/2009	SeqNo: 1704831							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C13-C22	ND	10									
T/R Hydrocarbons: C23-C32	ND	10									
T/R Hydrocarbons:>C32	ND	10									
Surr: p-Terphenyl	73.546		80.00		91.9	57	144				

Sample ID: 105148-008ADUP	SampType: DUP	TestCode: HC_S_SEMI	Units: mg/Kg	Prep Date: 4/22/2009	RunNo: 108637						
Client ID: ZZZZZZ	Batch ID: 54920	TestNo: EPA 8015B(M LUFT	Analysis Date: 4/30/2009	SeqNo: 1704833							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C13-C22	ND	10						0	0	20	
T/R Hydrocarbons: C23-C32	ND	10						0	0	20	
T/R Hydrocarbons:>C32	ND	10						0	0	20	
Surr: p-Terphenyl	73.398		80.00		91.7	57	144		0	0	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
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DO	Surrogate Diluted Out		Calculations are based on raw values		



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Work Order: 105139
Project: 207126015

ANALYTICAL QC SUMMARY REPORT

TestCode: HC_S_VOAC4C12P

Sample ID: E090421LCS1	SampType: LCS	TestCode: HC_S_VOAC	Units: mg/Kg	Prep Date:	RunNo: 108359						
Client ID: LCSS	Batch ID: E09VS104	TestNo: EPA 8015B		Analysis Date: 4/21/2009	SeqNo: 1702167						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C4-C12	4.510	1.0	5.000	0	90.2	73	120				
Surr: Bromofluorobenzene (FID)	96.037		100.0		96.0	59	145				

Sample ID: E090421MB1	SampType: MBLK	TestCode: HC_S_VOAC	Units: mg/Kg	Prep Date:	RunNo: 108359						
Client ID: PBS	Batch ID: E09VS104	TestNo: EPA 8015B	Analysis Date: 4/21/2009	SeqNo: 1702168							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C4-C12	ND	1.0									
Surr: Bromofluorobenzene (FID)	101.526		100.0		102	59	145				

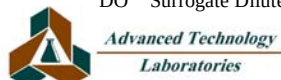
Sample ID: 105133-001AMS	SampType: MS	TestCode: HC_S_VOAC	Units: mg/Kg	Prep Date:	RunNo: 108359						
Client ID: ZZZZZZ	Batch ID: E09VS104	TestNo: EPA 8015B		Analysis Date: 4/21/2009	SeqNo: 1702170						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C4-C12	4.270	1.0	5.000	0	85.4	39	135				
Surr: Bromofluorobenzene (FID)	92.733		100.0		92.7	59	145				

Sample ID: 105133-001AMSD	SampType: MSD	TestCode: HC_S_VOAC	Units: mg/Kg	Prep Date:				RunNo: 108359			
Client ID: ZZZZZZ	Batch ID: E09VS104	TestNo: EPA 8015B	Analysis Date: 4/21/2009				SeqNo: 1702171				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C4-C12	4.207	1.0	5.000	0	84.1	39	135	4.270	1.49	20	
Surr: Bromofluorobenzene (FID)	89.023		100.0		89.0	59	145		0	0	

Sample ID: 105139-001FDUP	SampType: DUP	TestCode: HC_S_VOAC	Units: mg/Kg	Prep Date: 4/20/2009	RunNo: 108359						
Client ID: 1001-101-2-S	Batch ID: E09VS104	TestNo: EPA 8015B		Analysis Date: 4/21/2009	SeqNo: 1702173						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C4-C12	ND	1.1						0	0	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
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DO	Surrogate Diluted Out		Calculations are based on raw values		



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Work Order: 105139
Project: 207126015

ANALYTICAL QC SUMMARY REPORT

TestCode: HC_S_VOAC4C12P

Sample ID: 105139-001FDUP	SampType: DUP	TestCode: HC_S_VOAC	Units: mg/Kg	Prep Date: 4/20/2009	RunNo: 108359						
Client ID: 1001-101-2-S	Batch ID: E09VS104	TestNo: EPA 8015B		Analysis Date: 4/21/2009	SeqNo: 1702173						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Bromofluorobenzene (FID)	110.961		105.7		105	59	145		0	0	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



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ANALYTICAL QC SUMMARY REPORT

TestCode: HC_S_VOAC4C12P

Sample ID: E090421LCS3	SampType: LCS	TestCode: HC_S_VOAC	Units: mg/Kg	Prep Date:	RunNo: 108369						
Client ID: LCSS	Batch ID: E09VS105	TestNo: EPA 8015B	Analysis Date: 4/21/2009	SeqNo: 1702198							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

T/R Hydrocarbons: C4-C12	4.494	1.0	5.000	0	89.9	73	120				
Surr: Bromofluorobenzene (FID)	98.536		100.0		98.5	59	145				

Sample ID: E090421MB2MS	SampType: MS	TestCode: HC_S_VOAC	Units: mg/Kg	Prep Date:	RunNo: 108369						
Client ID: ZZZZZZ	Batch ID: E09VS105	TestNo: EPA 8015B	Analysis Date: 4/21/2009	SeqNo: 1702199							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

T/R Hydrocarbons: C4-C12	4.647	1.0	5.000	0	92.9	39	135				
Surr: Bromofluorobenzene (FID)	98.955		100.0		99.0	59	145				

Sample ID: E090421MB2MSD	SampType: MSD	TestCode: HC_S_VOAC	Units: mg/Kg	Prep Date:	RunNo: 108369						
Client ID: ZZZZZZ	Batch ID: E09VS105	TestNo: EPA 8015B	Analysis Date: 4/21/2009	SeqNo: 1702200							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

T/R Hydrocarbons: C4-C12	4.628	1.0	5.000	0	92.6	39	135	4.647	0.410	20	
Surr: Bromofluorobenzene (FID)	94.456		100.0		94.5	59	145		0	0	

Sample ID: E090421MB2	SampType: MBLK	TestCode: HC_S_VOAC	Units: mg/Kg	Prep Date:				RunNo: 108369			
Client ID: PBS	Batch ID: E09VS105	TestNo: EPA 8015B		Analysis Date: 4/21/2009				SeqNo: 1702201			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

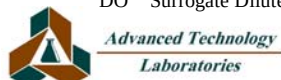
T/R Hydrocarbons: C4-C12	ND	1.0									
Surr: Bromofluorobenzene (FID)	93.136		100.0		93.1	59	145				

Sample ID: 105139-011FDUP	SampType: DUP	TestCode: HC_S_VOAC	Units: mg/Kg	Prep Date: 4/20/2009	RunNo: 108369						
Client ID: 1001-112-10-S	Batch ID: E09VS105	TestNo: EPA 8015B		Analysis Date: 4/21/2009	SeqNo: 1702203						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

T/R Hydrocarbons: C4-C12	ND	1.1						0	0	20	
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Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562.989.4045 Fax: 562.989.4040

CLIENT: Ninyo & Moore
Work Order: 105139
Project: 207126015

ANALYTICAL QC SUMMARY REPORT

TestCode: HC_S_VOAC4C12P

Sample ID: 105139-011FDUP	SampType: DUP	TestCode: HC_S_VOAC	Units: mg/Kg	Prep Date: 4/20/2009	RunNo: 108369						
Client ID: 1001-112-10-S	Batch ID: E09VS105	TestNo: EPA 8015B		Analysis Date: 4/21/2009	SeqNo: 1702203						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Bromofluorobenzene (FID)	121.354		105.9		115	59	145		0	0	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



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3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562.989.4045 Fax: 562.989.4040

CLIENT: Ninyo & Moore
Work Order: 105139
Project: 207126015

ANALYTICAL QC SUMMARY REPORT

TestCode: HC_S_VOAC4C12P

Sample ID: E090421LCS5	SampType: LCS	TestCode: HC_S_VOAC	Units: mg/Kg	Prep Date:	RunNo: 108370						
Client ID: LCSS	Batch ID: E09VS106	TestNo: EPA 8015B		Analysis Date: 4/22/2009	SeqNo: 1702213						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C4-C12	4.528	1.0	5.000	0	90.6	73	120				
Surr: Bromofluorobenzene (FID)	97.351		100.0		97.4	59	145				

Sample ID: E090421MB3MS	SampType: MS	TestCode: HC_S_VOAC	Units: mg/Kg	Prep Date:	RunNo: 108370						
Client ID: ZZZZZZ	Batch ID: E09VS106	TestNo: EPA 8015B		Analysis Date: 4/22/2009	SeqNo: 1702214						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C4-C12	4.671	1.0	5.000	0	93.4	39	135				
Surr: Bromofluorobenzene (FID)	97.150		100.0		97.2	59	145				

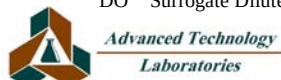
Sample ID: E090421MB3MSD	SampType: MSD	TestCode: HC_S_VOAC	Units: mg/Kg	Prep Date:	RunNo: 108370						
Client ID: ZZZZZZ	Batch ID: E09VS106	TestNo: EPA 8015B		Analysis Date: 4/22/2009	SeqNo: 1702215						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C4-C12	4.767	1.0	5.000	0	95.3	39	135	4.671	2.03	20	
Surr: Bromofluorobenzene (FID)	100.322		100.0		100	59	145		0	0	

Sample ID: E090421MB3		SampType: MBLK		TestCode: HC_S_VOAC		Units: mg/Kg		Prep Date:		RunNo: 108370			
Client ID: PBS		Batch ID: E09VS106		TestNo: EPA 8015B				Analysis Date: 4/22/2009		SeqNo: 1702216			
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C4-C12		ND		1.0									
Surr: Bromofluorobenzene (FID)		102.220		100.0		102		59	145				

Sample ID: 105139-022FDUP	SampType: DUP	TestCode: HC_S_VOAC	Units: mg/Kg	Prep Date: 4/20/2009	RunNo: 108453						
Client ID: 1001-105-10-S	Batch ID: E09VS106	TestNo: EPA 8015B		Analysis Date: 4/22/2009	SeqNo: 1702292						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C4-C12	ND	1.1						0	0	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



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CLIENT: Ninyo & Moore
Work Order: 105139
Project: 207126015

ANALYTICAL QC SUMMARY REPORT

TestCode: HC_S_VOAC4C12P

Sample ID: 105139-022FDUP	SampType: DUP	TestCode: HC_S_VOAC	Units: mg/Kg	Prep Date: 4/20/2009	RunNo: 108453						
Client ID: 1001-105-10-S	Batch ID: E09VS106	TestNo: EPA 8015B		Analysis Date: 4/22/2009	SeqNo: 1702292						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Bromofluorobenzene (FID)	130.508		114.4		114	59	145		0	0	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



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CLIENT: Ninyo & Moore
Work Order: 105139
Project: 207126015

ANALYTICAL QC SUMMARY REPORT

TestCode: HC_W_SEMI

Sample ID: MB-54952	SampType: MBLK	TestCode: HC_W_SEMI	Units: mg/L	Prep Date: 4/23/2009	RunNo: 108461						
Client ID: PBW	Batch ID: 54952	TestNo: EPA 8015B(M EPA 3510C	Analysis Date: 4/23/2009	SeqNo: 1702099							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C13-C22	ND	0.20									
T/R Hydrocarbons: C23-C32	ND	0.20									
T/R Hydrocarbons:>C32	ND	0.20									
Surr: p-Terphenyl	0.051		0.08000		64.2	35	131				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



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CLIENT: Ninyo & Moore
Work Order: 105139
Project: 207126015

ANALYTICAL QC SUMMARY REPORT

TestCode: HC_W_VOAC4C12

Sample ID: D090423LCS	SampType: LCS	TestCode: HC_W_VOAC	Units: mg/L	Prep Date:	RunNo: 108450						
Client ID: LCSW	Batch ID: D09VW067	TestNo: EPA 8015B		Analysis Date: 4/23/2009	SeqNo: 1701735						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

T/R Hydrocarbons: C4-C12	0.963	0.20	1.000	0	96.3	69	125				
Surr: Bromofluorobenzene (FID)	101.914		100.0		102	71	130				

Sample ID: D090423MB2MS	SampType: MS	TestCode: HC_W_VOAC	Units: mg/L	Prep Date:				RunNo: 108450			
Client ID: ZZZZZZ	Batch ID: D09VW067	TestNo: EPA 8015B	Analysis Date: 4/23/2009				SeqNo: 1701736				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

T/R Hydrocarbons: C4-C12	0.875	0.20	1.000	0	87.5	69	125				
Surr: Bromofluorobenzene (FID)	100.900		100.0		101	71	130				

Sample ID: D090424MB2MSD	SampType: MSD	TestCode: HC_W_VOAC	Units: mg/L	Prep Date:				RunNo: 108450			
Client ID: ZZZZZZ	Batch ID: D09VW067	TestNo: EPA 8015B	Analysis Date: 4/23/2009				SeqNo: 1701737				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

T/R Hydrocarbons: C4-C12	0.915	0.20	1.000	0	91.5	69	125	0.8750	4.47	20	
Surr: Bromofluorobenzene (FID)	99.676		100.0		99.7	71	130		0	0	

Sample ID: D090423MB2	SampType: MBLK	TestCode: HC_W_VOAC	Units: mg/L	Prep Date:				RunNo: 108450			
Client ID: PBW	Batch ID: D09VW067	TestNo: EPA 8015B	Analysis Date: 4/23/2009				SeqNo: 1701738				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

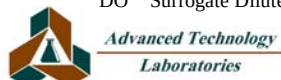
T/R Hydrocarbons: C4-C12	ND	0.20									
Surr: Bromofluorobenzene (FID)	104.012		100.0		104	71	130				

Sample ID: 105148-024GDUP	SampType: DUP	TestCode: HC_W_VOAC	Units: mg/L	Prep Date:					RunNo: 108450		
Client ID: ZZZZZZ	Batch ID: D09VW067	TestNo: EPA 8015B		Analysis Date: 4/23/2009					SeqNo: 1701740		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

T/R Hydrocarbons: C4-C12	ND	0.20						0	0	20	
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Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



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CLIENT: Ninyo & Moore
Work Order: 105139
Project: 207126015

ANALYTICAL QC SUMMARY REPORT

TestCode: HC_W_VOAC4C12

Sample ID: 105148-024GDUP	SampType: DUP	TestCode: HC_W_VOAC	Units: mg/L	Prep Date:	RunNo: 108450						
Client ID: ZZZZZZ	Batch ID: D09VW067	TestNo: EPA 8015B	Analysis Date: 4/23/2009	SeqNo: 1701740							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Bromofluorobenzene (FID)	101.016		100.0		101	71	130		0	0	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



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LABORATORY: Advanced Technology Laboratories 3275 Walnut Avenue Signal Hill CA 90807 (562) 989-4045	SITE: 777 North Front Street Burbank California Ninyo & Moore # 207126015	CONSULTANT: Ninyo & Moore 475 Goddard Suite #200 Irvine Ca 92618 (949) 753-7070 fax # (949) 753-7071	NOTES: <div style="font-size: 1.2em; margin-top: 10px;">pH past hold time OK</div> <div style="text-align: right; border: 1px solid black; border-radius: 50%; width: 30px; height: 30px; display: flex; align-items: center; justify-content: center; margin-top: 10px;">TM</div>
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Sampler (s) <u>Tommy Mutter</u>	<u>Tommy Mutter</u>
Relinquished by (name, date, and time) <u>Tommy Mutter 4/20/09 1625</u>	Received by (name, date, and time) <u>M. G. 4/20/09 1625</u>
Relinquished by (name, date, and time)	Received by (name, date, and time)
Relinquished by (name, date, and time)	Received by (name, date, and time)
Relinquished by (name, date, and time)	Received by (name, date, and time)

please fax COC to
 David Shuler (949) 753-7071

LAB NO.	SAMPLE ID	DATE	TIME	ANALYSIS REQUESTED												SAMPLE MATRIX	NUMBER OF CONTAINERS	TURN-AROUND TIME	# CONTAINERS
				VOCs 8260B 5035	SVOCs 8270C	TPH 8015 5035	TPHd 8015	TPHext 8015	METALS 6000/7000	HEX CHROM 7199/7196A	pH 9045								
	1001-101-2-S	4/20/09	8:00	X	X	X	X	X	X	X	X	X	X	5	7	E			
	1001-101-5-S		8:10																
	1001-101-10-S		8:20																
	1001-101-20-S		8:45																
	1001-102-2-S		9:25																
	1001-102-5-S		9:35																
	1001-102-10-S		9:45																
	1001-102-20-S		10:00																
	1001-112-2-S		10:30																
	1001-112-5-S		10:35																
	1001-112-10-S		10:40																
	1001-112-20-S		10:45																
	1001-103-2-S		11:05																
	1001-103-5-S		11:10																
	1001-103-10-S		11:15																
	1001-103-20-S		11:20																
	1001-104-2-S		11:50																
	1001-104-5-S		11:55																
	1001-104-10-S		12:00																
	1001-105-2-S		13:15																
	1001-105-5-S		13:20																
	1001-105-10-S		13:25																
	1001-105-20-S		13:35																
	1001-111-2-S		14:10																
	1001-111-20-S		14:15																
	1001-111-5-S		14:20																
	1001-111-10-S		14:20																
	1001-111-20-S		14:25																
	1001-111-20-S		14:25																
	ERB-1		15:00																
	TRIP Blank		-																
	1001-104-20-S		12:10	X															

May 14, 2009



David Shaler
Ninyo & Moore
475 Goddard Suite 200
Irvine, CA 92618
TEL: (949) 753-7070
FAX: (949) 753-7071

ELAP No.: 1838
NELAP No.: 02107CA
NEVADA.: CA-401
CSDLAC No.: 10196

Workorder No.: 105139

RE: 207126015

Attention: David Shaler

Enclosed are the results for sample(s) received on April 20, 2009 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

This is an addendum report. Please incorporate with documentation previously submitted.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

A handwritten signature in black ink, appearing to read "E. Rodriguez".

Eddie F. Rodriguez
Laboratory Director

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Advanced Technology Laboratories

Date: 14-May-09

CLIENT: Ninyo & Moore
Project: 207126015
Lab Order: 105139
Contract No:

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
105139-001A	1001-101-2-S	Soil	4/20/2009 8:00:00 AM	4/20/2009	5/14/2009
105139-001B	1001-101-2-S	Soil	4/20/2009 8:00:00 AM	4/20/2009	5/14/2009
105139-001C	1001-101-2-S	Soil	4/20/2009 8:00:00 AM	4/20/2009	5/14/2009
105139-001D	1001-101-2-S	Soil	4/20/2009 8:00:00 AM	4/20/2009	5/14/2009
105139-001E	1001-101-2-S	Soil	4/20/2009 8:00:00 AM	4/20/2009	5/14/2009
105139-001F	1001-101-2-S	Soil	4/20/2009 8:00:00 AM	4/20/2009	5/14/2009
105139-001G	1001-101-2-S	Soil	4/20/2009 8:00:00 AM	4/20/2009	5/14/2009
105139-002A	1001-101-5-S	Soil	4/20/2009 8:10:00 AM	4/20/2009	5/14/2009
105139-002B	1001-101-5-S	Soil	4/20/2009 8:10:00 AM	4/20/2009	5/14/2009
105139-002C	1001-101-5-S	Soil	4/20/2009 8:10:00 AM	4/20/2009	5/14/2009
105139-002D	1001-101-5-S	Soil	4/20/2009 8:10:00 AM	4/20/2009	5/14/2009
105139-002E	1001-101-5-S	Soil	4/20/2009 8:10:00 AM	4/20/2009	5/14/2009
105139-002F	1001-101-5-S	Soil	4/20/2009 8:10:00 AM	4/20/2009	5/14/2009
105139-002G	1001-101-5-S	Soil	4/20/2009 8:10:00 AM	4/20/2009	5/14/2009
105139-003A	1001-101-10-S	Soil	4/20/2009 8:20:00 AM	4/20/2009	5/14/2009
105139-003B	1001-101-10-S	Soil	4/20/2009 8:20:00 AM	4/20/2009	5/14/2009
105139-003C	1001-101-10-S	Soil	4/20/2009 8:20:00 AM	4/20/2009	5/14/2009
105139-003D	1001-101-10-S	Soil	4/20/2009 8:20:00 AM	4/20/2009	5/14/2009
105139-003E	1001-101-10-S	Soil	4/20/2009 8:20:00 AM	4/20/2009	5/14/2009
105139-003F	1001-101-10-S	Soil	4/20/2009 8:20:00 AM	4/20/2009	5/14/2009
105139-003G	1001-101-10-S	Soil	4/20/2009 8:20:00 AM	4/20/2009	5/14/2009
105139-004A	1001-101-20-S	Soil	4/20/2009 8:45:00 AM	4/20/2009	5/14/2009
105139-004B	1001-101-20-S	Soil	4/20/2009 8:45:00 AM	4/20/2009	5/14/2009
105139-004C	1001-101-20-S	Soil	4/20/2009 8:45:00 AM	4/20/2009	5/14/2009
105139-004D	1001-101-20-S	Soil	4/20/2009 8:45:00 AM	4/20/2009	5/14/2009
105139-004E	1001-101-20-S	Soil	4/20/2009 8:45:00 AM	4/20/2009	5/14/2009
105139-004F	1001-101-20-S	Soil	4/20/2009 8:45:00 AM	4/20/2009	5/14/2009
105139-004G	1001-101-20-S	Soil	4/20/2009 8:45:00 AM	4/20/2009	5/14/2009
105139-005A	1001-102-2-S	Soil	4/20/2009 9:25:00 AM	4/20/2009	5/14/2009



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Tel: 562. 989.4045

Fax: 562.989.4040

Page 1 of 8

CLIENT: Ninyo & Moore
Project: 207126015
Lab Order: 105139
Contract No:

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
105139-005B	1001-102-2-S	Soil	4/20/2009 9:25:00 AM	4/20/2009	5/14/2009
105139-005C	1001-102-2-S	Soil	4/20/2009 9:25:00 AM	4/20/2009	5/14/2009
105139-005D	1001-102-2-S	Soil	4/20/2009 9:25:00 AM	4/20/2009	5/14/2009
105139-005E	1001-102-2-S	Soil	4/20/2009 9:25:00 AM	4/20/2009	5/14/2009
105139-005F	1001-102-2-S	Soil	4/20/2009 9:25:00 AM	4/20/2009	5/14/2009
105139-005G	1001-102-2-S	Soil	4/20/2009 9:25:00 AM	4/20/2009	5/14/2009
105139-006A	1001-102-5-S	Soil	4/20/2009 9:35:00 AM	4/20/2009	5/14/2009
105139-006B	1001-102-5-S	Soil	4/20/2009 9:35:00 AM	4/20/2009	5/14/2009
105139-006C	1001-102-5-S	Soil	4/20/2009 9:35:00 AM	4/20/2009	5/14/2009
105139-006D	1001-102-5-S	Soil	4/20/2009 9:35:00 AM	4/20/2009	5/14/2009
105139-006E	1001-102-5-S	Soil	4/20/2009 9:35:00 AM	4/20/2009	5/14/2009
105139-006F	1001-102-5-S	Soil	4/20/2009 9:35:00 AM	4/20/2009	5/14/2009
105139-006G	1001-102-5-S	Soil	4/20/2009 9:35:00 AM	4/20/2009	5/14/2009
105139-007A	1001-102-10-S	Soil	4/20/2009 9:45:00 AM	4/20/2009	5/14/2009
105139-007B	1001-102-10-S	Soil	4/20/2009 9:45:00 AM	4/20/2009	5/14/2009
105139-007C	1001-102-10-S	Soil	4/20/2009 9:45:00 AM	4/20/2009	5/14/2009
105139-007D	1001-102-10-S	Soil	4/20/2009 9:45:00 AM	4/20/2009	5/14/2009
105139-007E	1001-102-10-S	Soil	4/20/2009 9:45:00 AM	4/20/2009	5/14/2009
105139-007F	1001-102-10-S	Soil	4/20/2009 9:45:00 AM	4/20/2009	5/14/2009
105139-007G	1001-102-10-S	Soil	4/20/2009 9:45:00 AM	4/20/2009	5/14/2009
105139-008A	1001-102-20-S	Soil	4/20/2009 10:00:00 AM	4/20/2009	5/14/2009
105139-008B	1001-102-20-S	Soil	4/20/2009 10:00:00 AM	4/20/2009	5/14/2009
105139-008C	1001-102-20-S	Soil	4/20/2009 10:00:00 AM	4/20/2009	5/14/2009
105139-008D	1001-102-20-S	Soil	4/20/2009 10:00:00 AM	4/20/2009	5/14/2009
105139-008E	1001-102-20-S	Soil	4/20/2009 10:00:00 AM	4/20/2009	5/14/2009
105139-008F	1001-102-20-S	Soil	4/20/2009 10:00:00 AM	4/20/2009	5/14/2009
105139-008G	1001-102-20-S	Soil	4/20/2009 10:00:00 AM	4/20/2009	5/14/2009
105139-009A	1001-112-2-S	Soil	4/20/2009 10:30:00 AM	4/20/2009	5/14/2009
105139-009B	1001-112-2-S	Soil	4/20/2009 10:30:00 AM	4/20/2009	5/14/2009
105139-009C	1001-112-2-S	Soil	4/20/2009 10:30:00 AM	4/20/2009	5/14/2009



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Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
105139-009D	1001-112-2-S	Soil	4/20/2009 10:30:00 AM	4/20/2009	5/14/2009
105139-009E	1001-112-2-S	Soil	4/20/2009 10:30:00 AM	4/20/2009	5/14/2009
105139-009F	1001-112-2-S	Soil	4/20/2009 10:30:00 AM	4/20/2009	5/14/2009
105139-009G	1001-112-2-S	Soil	4/20/2009 10:30:00 AM	4/20/2009	5/14/2009
105139-010A	1001-112-5-S	Soil	4/20/2009 10:35:00 AM	4/20/2009	5/14/2009
105139-010B	1001-112-5-S	Soil	4/20/2009 10:35:00 AM	4/20/2009	5/14/2009
105139-010C	1001-112-5-S	Soil	4/20/2009 10:35:00 AM	4/20/2009	5/14/2009
105139-010D	1001-112-5-S	Soil	4/20/2009 10:35:00 AM	4/20/2009	5/14/2009
105139-010E	1001-112-5-S	Soil	4/20/2009 10:35:00 AM	4/20/2009	5/14/2009
105139-010F	1001-112-5-S	Soil	4/20/2009 10:35:00 AM	4/20/2009	5/14/2009
105139-010G	1001-112-5-S	Soil	4/20/2009 10:35:00 AM	4/20/2009	5/14/2009
105139-011A	1001-112-10-S	Soil	4/20/2009 10:40:00 AM	4/20/2009	5/14/2009
105139-011B	1001-112-10-S	Soil	4/20/2009 10:40:00 AM	4/20/2009	5/14/2009
105139-011C	1001-112-10-S	Soil	4/20/2009 10:40:00 AM	4/20/2009	5/14/2009
105139-011D	1001-112-10-S	Soil	4/20/2009 10:40:00 AM	4/20/2009	5/14/2009
105139-011E	1001-112-10-S	Soil	4/20/2009 10:40:00 AM	4/20/2009	5/14/2009
105139-011F	1001-112-10-S	Soil	4/20/2009 10:40:00 AM	4/20/2009	5/14/2009
105139-011G	1001-112-10-S	Soil	4/20/2009 10:40:00 AM	4/20/2009	5/14/2009
105139-012A	1001-112-20-S	Soil	4/20/2009 10:45:00 AM	4/20/2009	5/14/2009
105139-012B	1001-112-20-S	Soil	4/20/2009 10:45:00 AM	4/20/2009	5/14/2009
105139-012C	1001-112-20-S	Soil	4/20/2009 10:45:00 AM	4/20/2009	5/14/2009
105139-012D	1001-112-20-S	Soil	4/20/2009 10:45:00 AM	4/20/2009	5/14/2009
105139-012E	1001-112-20-S	Soil	4/20/2009 10:45:00 AM	4/20/2009	5/14/2009
105139-012F	1001-112-20-S	Soil	4/20/2009 10:45:00 AM	4/20/2009	5/14/2009
105139-012G	1001-112-20-S	Soil	4/20/2009 10:45:00 AM	4/20/2009	5/14/2009
105139-013A	1001-103-2-S	Soil	4/20/2009 11:05:00 AM	4/20/2009	5/14/2009
105139-013B	1001-103-2-S	Soil	4/20/2009 11:05:00 AM	4/20/2009	5/14/2009
105139-013C	1001-103-2-S	Soil	4/20/2009 11:05:00 AM	4/20/2009	5/14/2009
105139-013D	1001-103-2-S	Soil	4/20/2009 11:05:00 AM	4/20/2009	5/14/2009
105139-013E	1001-103-2-S	Soil	4/20/2009 11:05:00 AM	4/20/2009	5/14/2009



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Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
105139-013F	1001-103-2-S	Soil	4/20/2009 11:05:00 AM	4/20/2009	5/14/2009
105139-013G	1001-103-2-S	Soil	4/20/2009 11:05:00 AM	4/20/2009	5/14/2009
105139-014A	1001-103-5-S	Soil	4/20/2009 11:10:00 AM	4/20/2009	5/14/2009
105139-014B	1001-103-5-S	Soil	4/20/2009 11:10:00 AM	4/20/2009	5/14/2009
105139-014C	1001-103-5-S	Soil	4/20/2009 11:10:00 AM	4/20/2009	5/14/2009
105139-014D	1001-103-5-S	Soil	4/20/2009 11:10:00 AM	4/20/2009	5/14/2009
105139-014E	1001-103-5-S	Soil	4/20/2009 11:10:00 AM	4/20/2009	5/14/2009
105139-014F	1001-103-5-S	Soil	4/20/2009 11:10:00 AM	4/20/2009	5/14/2009
105139-014G	1001-103-5-S	Soil	4/20/2009 11:10:00 AM	4/20/2009	5/14/2009
105139-015A	1001-103-10-S	Soil	4/20/2009 11:15:00 AM	4/20/2009	5/14/2009
105139-015B	1001-103-10-S	Soil	4/20/2009 11:15:00 AM	4/20/2009	5/14/2009
105139-015C	1001-103-10-S	Soil	4/20/2009 11:15:00 AM	4/20/2009	5/14/2009
105139-015D	1001-103-10-S	Soil	4/20/2009 11:15:00 AM	4/20/2009	5/14/2009
105139-015E	1001-103-10-S	Soil	4/20/2009 11:15:00 AM	4/20/2009	5/14/2009
105139-015F	1001-103-10-S	Soil	4/20/2009 11:15:00 AM	4/20/2009	5/14/2009
105139-015G	1001-103-10-S	Soil	4/20/2009 11:15:00 AM	4/20/2009	5/14/2009
105139-016A	1001-103-20-S	Soil	4/20/2009 11:20:00 AM	4/20/2009	5/14/2009
105139-016B	1001-103-20-S	Soil	4/20/2009 11:20:00 AM	4/20/2009	5/14/2009
105139-016C	1001-103-20-S	Soil	4/20/2009 11:20:00 AM	4/20/2009	5/14/2009
105139-016D	1001-103-20-S	Soil	4/20/2009 11:20:00 AM	4/20/2009	5/14/2009
105139-016E	1001-103-20-S	Soil	4/20/2009 11:20:00 AM	4/20/2009	5/14/2009
105139-016F	1001-103-20-S	Soil	4/20/2009 11:20:00 AM	4/20/2009	5/14/2009
105139-016G	1001-103-20-S	Soil	4/20/2009 11:20:00 AM	4/20/2009	5/14/2009
105139-017A	1001-104-2-S	Soil	4/20/2009 11:50:00 AM	4/20/2009	5/14/2009
105139-017B	1001-104-2-S	Soil	4/20/2009 11:50:00 AM	4/20/2009	5/14/2009
105139-017C	1001-104-2-S	Soil	4/20/2009 11:50:00 AM	4/20/2009	5/14/2009
105139-017D	1001-104-2-S	Soil	4/20/2009 11:50:00 AM	4/20/2009	5/14/2009
105139-017E	1001-104-2-S	Soil	4/20/2009 11:50:00 AM	4/20/2009	5/14/2009
105139-017F	1001-104-2-S	Soil	4/20/2009 11:50:00 AM	4/20/2009	5/14/2009
105139-017G	1001-104-2-S	Soil	4/20/2009 11:50:00 AM	4/20/2009	5/14/2009



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Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
105139-018A	1001-104-5-S	Soil	4/20/2009 11:55:00 AM	4/20/2009	5/14/2009
105139-018B	1001-104-5-S	Soil	4/20/2009 11:55:00 AM	4/20/2009	5/14/2009
105139-018C	1001-104-5-S	Soil	4/20/2009 11:55:00 AM	4/20/2009	5/14/2009
105139-018D	1001-104-5-S	Soil	4/20/2009 11:55:00 AM	4/20/2009	5/14/2009
105139-018E	1001-104-5-S	Soil	4/20/2009 11:55:00 AM	4/20/2009	5/14/2009
105139-018F	1001-104-5-S	Soil	4/20/2009 11:55:00 AM	4/20/2009	5/14/2009
105139-018G	1001-104-5-S	Soil	4/20/2009 11:55:00 AM	4/20/2009	5/14/2009
105139-019A	1001-104-10-S	Soil	4/20/2009 12:00:00 PM	4/20/2009	5/14/2009
105139-019B	1001-104-10-S	Soil	4/20/2009 12:00:00 PM	4/20/2009	5/14/2009
105139-019C	1001-104-10-S	Soil	4/20/2009 12:00:00 PM	4/20/2009	5/14/2009
105139-019D	1001-104-10-S	Soil	4/20/2009 12:00:00 PM	4/20/2009	5/14/2009
105139-019E	1001-104-10-S	Soil	4/20/2009 12:00:00 PM	4/20/2009	5/14/2009
105139-019F	1001-104-10-S	Soil	4/20/2009 12:00:00 PM	4/20/2009	5/14/2009
105139-019G	1001-104-10-S	Soil	4/20/2009 12:00:00 PM	4/20/2009	5/14/2009
105139-020A	1001-105-2-S	Soil	4/20/2009 1:15:00 PM	4/20/2009	5/14/2009
105139-020B	1001-105-2-S	Soil	4/20/2009 1:15:00 PM	4/20/2009	5/14/2009
105139-020C	1001-105-2-S	Soil	4/20/2009 1:15:00 PM	4/20/2009	5/14/2009
105139-020D	1001-105-2-S	Soil	4/20/2009 1:15:00 PM	4/20/2009	5/14/2009
105139-020E	1001-105-2-S	Soil	4/20/2009 1:15:00 PM	4/20/2009	5/14/2009
105139-020F	1001-105-2-S	Soil	4/20/2009 1:15:00 PM	4/20/2009	5/14/2009
105139-020G	1001-105-2-S	Soil	4/20/2009 1:15:00 PM	4/20/2009	5/14/2009
105139-021A	1001-105-5-S	Soil	4/20/2009 1:20:00 PM	4/20/2009	5/14/2009
105139-021B	1001-105-5-S	Soil	4/20/2009 1:20:00 PM	4/20/2009	5/14/2009
105139-021C	1001-105-5-S	Soil	4/20/2009 1:20:00 PM	4/20/2009	5/14/2009
105139-021D	1001-105-5-S	Soil	4/20/2009 1:20:00 PM	4/20/2009	5/14/2009
105139-021E	1001-105-5-S	Soil	4/20/2009 1:20:00 PM	4/20/2009	5/14/2009
105139-021F	1001-105-5-S	Soil	4/20/2009 1:20:00 PM	4/20/2009	5/14/2009
105139-021G	1001-105-5-S	Soil	4/20/2009 1:20:00 PM	4/20/2009	5/14/2009
105139-022A	1001-105-10-S	Soil	4/20/2009 1:25:00 PM	4/20/2009	5/14/2009
105139-022B	1001-105-10-S	Soil	4/20/2009 1:25:00 PM	4/20/2009	5/14/2009



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Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
105139-022C	1001-105-10-S	Soil	4/20/2009 1:25:00 PM	4/20/2009	5/14/2009
105139-022D	1001-105-10-S	Soil	4/20/2009 1:25:00 PM	4/20/2009	5/14/2009
105139-022E	1001-105-10-S	Soil	4/20/2009 1:25:00 PM	4/20/2009	5/14/2009
105139-022F	1001-105-10-S	Soil	4/20/2009 1:25:00 PM	4/20/2009	5/14/2009
105139-022G	1001-105-10-S	Soil	4/20/2009 1:25:00 PM	4/20/2009	5/14/2009
105139-023A	1001-105-20-S	Soil	4/20/2009 1:35:00 PM	4/20/2009	5/14/2009
105139-023B	1001-105-20-S	Soil	4/20/2009 1:35:00 PM	4/20/2009	5/14/2009
105139-023C	1001-105-20-S	Soil	4/20/2009 1:35:00 PM	4/20/2009	5/14/2009
105139-023D	1001-105-20-S	Soil	4/20/2009 1:35:00 PM	4/20/2009	5/14/2009
105139-023E	1001-105-20-S	Soil	4/20/2009 1:35:00 PM	4/20/2009	5/14/2009
105139-023F	1001-105-20-S	Soil	4/20/2009 1:35:00 PM	4/20/2009	5/14/2009
105139-023G	1001-105-20-S	Soil	4/20/2009 1:35:00 PM	4/20/2009	5/14/2009
105139-024A	1001-111-2-S	Soil	4/20/2009 2:10:00 PM	4/20/2009	5/14/2009
105139-024B	1001-111-2-S	Soil	4/20/2009 2:10:00 PM	4/20/2009	5/14/2009
105139-024C	1001-111-2-S	Soil	4/20/2009 2:10:00 PM	4/20/2009	5/14/2009
105139-024D	1001-111-2-S	Soil	4/20/2009 2:10:00 PM	4/20/2009	5/14/2009
105139-024E	1001-111-2-S	Soil	4/20/2009 2:10:00 PM	4/20/2009	5/14/2009
105139-024F	1001-111-2-S	Soil	4/20/2009 2:10:00 PM	4/20/2009	5/14/2009
105139-024G	1001-111-2-S	Soil	4/20/2009 2:10:00 PM	4/20/2009	5/14/2009
105139-025A	1001-111-2D-S	Soil	4/20/2009 2:10:00 PM	4/20/2009	5/14/2009
105139-025B	1001-111-2D-S	Soil	4/20/2009 2:10:00 PM	4/20/2009	5/14/2009
105139-025C	1001-111-2D-S	Soil	4/20/2009 2:10:00 PM	4/20/2009	5/14/2009
105139-025D	1001-111-2D-S	Soil	4/20/2009 2:10:00 PM	4/20/2009	5/14/2009
105139-025E	1001-111-2D-S	Soil	4/20/2009 2:10:00 PM	4/20/2009	5/14/2009
105139-025F	1001-111-2D-S	Soil	4/20/2009 2:10:00 PM	4/20/2009	5/14/2009
105139-025G	1001-111-2D-S	Soil	4/20/2009 2:10:00 PM	4/20/2009	5/14/2009
105139-026A	1001-111-5-S	Soil	4/20/2009 2:15:00 PM	4/20/2009	5/14/2009
105139-026B	1001-111-5-S	Soil	4/20/2009 2:15:00 PM	4/20/2009	5/14/2009
105139-026C	1001-111-5-S	Soil	4/20/2009 2:15:00 PM	4/20/2009	5/14/2009
105139-026D	1001-111-5-S	Soil	4/20/2009 2:15:00 PM	4/20/2009	5/14/2009



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Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
105139-026E	1001-111-5-S	Soil	4/20/2009 2:15:00 PM	4/20/2009	5/14/2009
105139-026F	1001-111-5-S	Soil	4/20/2009 2:15:00 PM	4/20/2009	5/14/2009
105139-026G	1001-111-5-S	Soil	4/20/2009 2:15:00 PM	4/20/2009	5/14/2009
105139-027A	1001-111-10-S	Soil	4/20/2009 2:20:00 PM	4/20/2009	5/14/2009
105139-027B	1001-111-10-S	Soil	4/20/2009 2:20:00 PM	4/20/2009	5/14/2009
105139-027C	1001-111-10-S	Soil	4/20/2009 2:20:00 PM	4/20/2009	5/14/2009
105139-027D	1001-111-10-S	Soil	4/20/2009 2:20:00 PM	4/20/2009	5/14/2009
105139-027E	1001-111-10-S	Soil	4/20/2009 2:20:00 PM	4/20/2009	5/14/2009
105139-027F	1001-111-10-S	Soil	4/20/2009 2:20:00 PM	4/20/2009	5/14/2009
105139-027G	1001-111-10-S	Soil	4/20/2009 2:20:00 PM	4/20/2009	5/14/2009
105139-028A	1001-111-20-S	Soil	4/20/2009 2:25:00 PM	4/20/2009	5/14/2009
105139-028B	1001-111-20-S	Soil	4/20/2009 2:25:00 PM	4/20/2009	5/14/2009
105139-028C	1001-111-20-S	Soil	4/20/2009 2:25:00 PM	4/20/2009	5/14/2009
105139-028D	1001-111-20-S	Soil	4/20/2009 2:25:00 PM	4/20/2009	5/14/2009
105139-028E	1001-111-20-S	Soil	4/20/2009 2:25:00 PM	4/20/2009	5/14/2009
105139-028F	1001-111-20-S	Soil	4/20/2009 2:25:00 PM	4/20/2009	5/14/2009
105139-028G	1001-111-20-S	Soil	4/20/2009 2:25:00 PM	4/20/2009	5/14/2009
105139-029A	1001-111-20D-S	Soil	4/20/2009 2:25:00 PM	4/20/2009	5/14/2009
105139-029B	1001-111-20D-S	Soil	4/20/2009 2:25:00 PM	4/20/2009	5/14/2009
105139-029C	1001-111-20D-S	Soil	4/20/2009 2:25:00 PM	4/20/2009	5/14/2009
105139-029D	1001-111-20D-S	Soil	4/20/2009 2:25:00 PM	4/20/2009	5/14/2009
105139-029E	1001-111-20D-S	Soil	4/20/2009 2:25:00 PM	4/20/2009	5/14/2009
105139-029F	1001-111-20D-S	Soil	4/20/2009 2:25:00 PM	4/20/2009	5/14/2009
105139-029G	1001-111-20D-S	Soil	4/20/2009 2:25:00 PM	4/20/2009	5/14/2009
105139-030A	ERB-1	Water	4/20/2009 3:00:00 PM	4/20/2009	5/14/2009
105139-030B	ERB-1	Water	4/20/2009 3:00:00 PM	4/20/2009	5/14/2009
105139-030C	ERB-1	Water	4/20/2009 3:00:00 PM	4/20/2009	5/14/2009
105139-030D	ERB-1	Water	4/20/2009 3:00:00 PM	4/20/2009	5/14/2009
105139-030E	ERB-1	Water	4/20/2009 3:00:00 PM	4/20/2009	5/14/2009
105139-030F	ERB-1	Water	4/20/2009 3:00:00 PM	4/20/2009	5/14/2009



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Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
105139-030G	ERB-1	Water	4/20/2009 3:00:00 PM	4/20/2009	5/14/2009
105139-031A	TRIP Blank	Water	4/20/2009	4/20/2009	5/14/2009
105139-032A	1001-104-20-S	Soil	4/20/2009 12:10:00 PM	4/20/2009	5/14/2009
105139-032B	1001-104-20-S	Soil	4/20/2009 12:10:00 PM	4/20/2009	5/14/2009
105139-032C	1001-104-20-S	Soil	4/20/2009 12:10:00 PM	4/20/2009	5/14/2009
105139-032D	1001-104-20-S	Soil	4/20/2009 12:10:00 PM	4/20/2009	5/14/2009
105139-032E	1001-104-20-S	Soil	4/20/2009 12:10:00 PM	4/20/2009	5/14/2009
105139-032F	1001-104-20-S	Soil	4/20/2009 12:10:00 PM	4/20/2009	5/14/2009
105139-032G	1001-104-20-S	Soil	4/20/2009 12:10:00 PM	4/20/2009	5/14/2009



CLIENT: Ninyo & Moore**Project:** 207126015**Lab Order:** 105139**CASE NARRATIVE**

Analytical Comments for EPA 6010B

1. Sample 105139-009ADUP, RPD for Sample Duplicate (DUP) is outside criteria; however, the Laboratory Control Sample (LCS) validated the analytical batch.



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ANALYTICAL RESULTS

Print Date: 14-May-09

CLIENT: Ninyo & Moore
Lab Order: 105139
Project: 207126015
Lab ID: 105139-009A

Client Sample ID: 1001-112-2-S
Collection Date: 4/20/2009 10:30:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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ICP METALS BY STLC

WET/ EPA 6010B

RunID: ICP8_090514C	QC Batch: R109019				PrepDate:		Analyst: CL
Lead	2.4	0.042	1.0		mg/L	20	5/14/2009 12:04 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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CLIENT: Ninyo & Moore

Work Order: 105139

Project: 207126015

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_ST

Sample ID: MB-55299	SampType: MBLK	TestCode: 6010_ST	Units: mg/L	Prep Date:	RunNo: 109019						
Client ID: PBS	Batch ID: R109019	TestNo: WET/ EPA 60	Analysis Date: 5/14/2009	SeqNo: 1711352							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	ND	0.050
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Sample ID: LCS-55299	SampType: LCS	TestCode: 6010_ST	Units: mg/L	Prep Date:	RunNo: 109019						
Client ID: LCSS	Batch ID: R109019	TestNo: WET/ EPA 60	Analysis Date: 5/14/2009	SeqNo: 1711353							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	0.999	0.050	1.000	0	99.9	85	115
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Sample ID: 105139-009ADUP	SampType: DUP	TestCode: 6010_ST	Units: mg/L	Prep Date:	RunNo: 109019						
Client ID: 1001-112-2-S	Batch ID: R109019	TestNo: WET/ EPA 60		Analysis Date: 5/14/2009	SeqNo: 1711355						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	11.161	1.0					2.369	130	20	R
------	--------	-----	--	--	--	--	-------	-----	----	---

Sample ID: 105139-009AMS	SampType: MS	TestCode: 6010_ST	Units: mg/L	Prep Date:				RunNo: 109019			
Client ID: 1001-112-2-S	Batch ID: R109019	TestNo: WET/ EPA 60	Analysis Date: 5/14/2009				SeqNo: 1711356				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	4.738	1.0	2.500	2.369	94.8	71	121
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Sample ID: 105139-009AMSD	SampType: MSD	TestCode: 6010_ST	Units: mg/L	Prep Date:	RunNo: 109019						
Client ID: 1001-112-2-S	Batch ID: R109019	TestNo: WET/ EPA 60	Analysis Date: 5/14/2009	SeqNo: 1711357							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	4.673	1.0	2.500	2.369	92.2	71	121	4.738	1.37	20
------	-------	-----	-------	-------	------	----	-----	-------	------	----

Qualifiers:

B Analyte detected in the associated Method Blank

ND Not Detected at the Reporting Limit

DO Surrogate Diluted Out

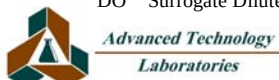
E Value above quantitation range

R RPD outside accepted recovery limits

Calculations are based on raw values

H Holding times for preparation or analysis exceeded

S Spike/Surrogate outside of limits due to matrix interference



May 01, 2009



David Shaler
Ninyo & Moore
475 Goddard Suite 200
Irvine, CA 92618
TEL: (949) 753-7070
FAX: (949) 753-7071

ELAP No.: 1838
NELAP No.: 02107CA
NEVADA.: CA-401
CSDLAC No.: 10196

Workorder No.: 105148

RE: 207126015

Attention: David Shaler

Enclosed are the results for sample(s) received on April 21, 2009 by Advanced Technology Laboratories . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

A handwritten signature in black ink, appearing to read "E. Rodriguez", written over the printed name.

Eddie F. Rodriguez
Laboratory Director

The cover letter and the case narrative are an integral part of this analytical report and cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories.



Advanced Technology Laboratories

Date: 01-May-09

CLIENT: Ninyo & Moore

Project: 207126015

Lab Order: 105148

Contract No:

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
105148-001A	1001-110-2-S	Soil	4/21/2009 7:50:00 AM	4/21/2009	5/1/2009
105148-001B	1001-110-2-S	Soil	4/21/2009 7:50:00 AM	4/21/2009	5/1/2009
105148-001C	1001-110-2-S	Soil	4/21/2009 7:50:00 AM	4/21/2009	5/1/2009
105148-001D	1001-110-2-S	Soil	4/21/2009 7:50:00 AM	4/21/2009	5/1/2009
105148-001E	1001-110-2-S	Soil	4/21/2009 7:50:00 AM	4/21/2009	5/1/2009
105148-001F	1001-110-2-S	Soil	4/21/2009 7:50:00 AM	4/21/2009	5/1/2009
105148-001G	1001-110-2-S	Soil	4/21/2009 7:50:00 AM	4/21/2009	5/1/2009
105148-002A	1001-110-5-S	Soil	4/21/2009 7:55:00 AM	4/21/2009	5/1/2009
105148-002B	1001-110-5-S	Soil	4/21/2009 7:55:00 AM	4/21/2009	5/1/2009
105148-002C	1001-110-5-S	Soil	4/21/2009 7:55:00 AM	4/21/2009	5/1/2009
105148-002D	1001-110-5-S	Soil	4/21/2009 7:55:00 AM	4/21/2009	5/1/2009
105148-002E	1001-110-5-S	Soil	4/21/2009 7:55:00 AM	4/21/2009	5/1/2009
105148-002F	1001-110-5-S	Soil	4/21/2009 7:55:00 AM	4/21/2009	5/1/2009
105148-002G	1001-110-5-S	Soil	4/21/2009 7:55:00 AM	4/21/2009	5/1/2009
105148-003A	1001-110-5D-S	Soil	4/21/2009 7:55:00 AM	4/21/2009	5/1/2009
105148-003B	1001-110-5D-S	Soil	4/21/2009 7:55:00 AM	4/21/2009	5/1/2009
105148-003C	1001-110-5D-S	Soil	4/21/2009 7:55:00 AM	4/21/2009	5/1/2009
105148-003D	1001-110-5D-S	Soil	4/21/2009 7:55:00 AM	4/21/2009	5/1/2009
105148-003E	1001-110-5D-S	Soil	4/21/2009 7:55:00 AM	4/21/2009	5/1/2009
105148-003F	1001-110-5D-S	Soil	4/21/2009 7:55:00 AM	4/21/2009	5/1/2009
105148-003G	1001-110-5D-S	Soil	4/21/2009 7:55:00 AM	4/21/2009	5/1/2009
105148-004A	1001-110-10-S	Soil	4/21/2009 8:00:00 AM	4/21/2009	5/1/2009
105148-004B	1001-110-10-S	Soil	4/21/2009 8:00:00 AM	4/21/2009	5/1/2009
105148-004C	1001-110-10-S	Soil	4/21/2009 8:00:00 AM	4/21/2009	5/1/2009
105148-004D	1001-110-10-S	Soil	4/21/2009 8:00:00 AM	4/21/2009	5/1/2009
105148-004E	1001-110-10-S	Soil	4/21/2009 8:00:00 AM	4/21/2009	5/1/2009
105148-004F	1001-110-10-S	Soil	4/21/2009 8:00:00 AM	4/21/2009	5/1/2009
105148-004G	1001-110-10-S	Soil	4/21/2009 8:00:00 AM	4/21/2009	5/1/2009
105148-005A	1001-110-20-S	Soil	4/21/2009 8:10:00 AM	4/21/2009	5/1/2009



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CLIENT: Ninyo & Moore
Project: 207126015
Lab Order: 105148
Contract No:

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
105148-005B	1001-110-20-S	Soil	4/21/2009 8:10:00 AM	4/21/2009	5/1/2009
105148-005C	1001-110-20-S	Soil	4/21/2009 8:10:00 AM	4/21/2009	5/1/2009
105148-005D	1001-110-20-S	Soil	4/21/2009 8:10:00 AM	4/21/2009	5/1/2009
105148-005E	1001-110-20-S	Soil	4/21/2009 8:10:00 AM	4/21/2009	5/1/2009
105148-005F	1001-110-20-S	Soil	4/21/2009 8:10:00 AM	4/21/2009	5/1/2009
105148-005G	1001-110-20-S	Soil	4/21/2009 8:10:00 AM	4/21/2009	5/1/2009
105148-006A	1001-109-2-S	Soil	4/21/2009 8:20:00 AM	4/21/2009	5/1/2009
105148-006B	1001-109-2-S	Soil	4/21/2009 8:20:00 AM	4/21/2009	5/1/2009
105148-006C	1001-109-2-S	Soil	4/21/2009 8:20:00 AM	4/21/2009	5/1/2009
105148-006D	1001-109-2-S	Soil	4/21/2009 8:20:00 AM	4/21/2009	5/1/2009
105148-006E	1001-109-2-S	Soil	4/21/2009 8:20:00 AM	4/21/2009	5/1/2009
105148-006F	1001-109-2-S	Soil	4/21/2009 8:20:00 AM	4/21/2009	5/1/2009
105148-006G	1001-109-2-S	Soil	4/21/2009 8:20:00 AM	4/21/2009	5/1/2009
105148-007A	1001-109-5-S	Soil	4/21/2009 8:25:00 AM	4/21/2009	5/1/2009
105148-007B	1001-109-5-S	Soil	4/21/2009 8:25:00 AM	4/21/2009	5/1/2009
105148-007C	1001-109-5-S	Soil	4/21/2009 8:25:00 AM	4/21/2009	5/1/2009
105148-007D	1001-109-5-S	Soil	4/21/2009 8:25:00 AM	4/21/2009	5/1/2009
105148-007E	1001-109-5-S	Soil	4/21/2009 8:25:00 AM	4/21/2009	5/1/2009
105148-007F	1001-109-5-S	Soil	4/21/2009 8:25:00 AM	4/21/2009	5/1/2009
105148-007G	1001-109-5-S	Soil	4/21/2009 8:25:00 AM	4/21/2009	5/1/2009
105148-008A	1001-109-10-S	Soil	4/21/2009 8:35:00 AM	4/21/2009	5/1/2009
105148-008B	1001-109-10-S	Soil	4/21/2009 8:35:00 AM	4/21/2009	5/1/2009
105148-008C	1001-109-10-S	Soil	4/21/2009 8:35:00 AM	4/21/2009	5/1/2009
105148-008D	1001-109-10-S	Soil	4/21/2009 8:35:00 AM	4/21/2009	5/1/2009
105148-008E	1001-109-10-S	Soil	4/21/2009 8:35:00 AM	4/21/2009	5/1/2009
105148-008F	1001-109-10-S	Soil	4/21/2009 8:35:00 AM	4/21/2009	5/1/2009
105148-008G	1001-109-10-S	Soil	4/21/2009 8:35:00 AM	4/21/2009	5/1/2009
105148-009A	1001-109-20-S	Soil	4/21/2009 8:40:00 AM	4/21/2009	5/1/2009
105148-009B	1001-109-20-S	Soil	4/21/2009 8:40:00 AM	4/21/2009	5/1/2009
105148-009C	1001-109-20-S	Soil	4/21/2009 8:40:00 AM	4/21/2009	5/1/2009



CLIENT: Ninyo & Moore
Project: 207126015
Lab Order: 105148
Contract No:

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
105148-009D	1001-109-20-S	Soil	4/21/2009 8:40:00 AM	4/21/2009	5/1/2009
105148-009E	1001-109-20-S	Soil	4/21/2009 8:40:00 AM	4/21/2009	5/1/2009
105148-009F	1001-109-20-S	Soil	4/21/2009 8:40:00 AM	4/21/2009	5/1/2009
105148-009G	1001-109-20-S	Soil	4/21/2009 8:40:00 AM	4/21/2009	5/1/2009
105148-010A	1001-108-2-S	Soil	4/21/2009 9:05:00 AM	4/21/2009	5/1/2009
105148-010B	1001-108-2-S	Soil	4/21/2009 9:05:00 AM	4/21/2009	5/1/2009
105148-010C	1001-108-2-S	Soil	4/21/2009 9:05:00 AM	4/21/2009	5/1/2009
105148-010D	1001-108-2-S	Soil	4/21/2009 9:05:00 AM	4/21/2009	5/1/2009
105148-010E	1001-108-2-S	Soil	4/21/2009 9:05:00 AM	4/21/2009	5/1/2009
105148-010F	1001-108-2-S	Soil	4/21/2009 9:05:00 AM	4/21/2009	5/1/2009
105148-010G	1001-108-2-S	Soil	4/21/2009 9:05:00 AM	4/21/2009	5/1/2009
105148-011A	1001-108-5-S	Soil	4/21/2009 9:10:00 AM	4/21/2009	5/1/2009
105148-011B	1001-108-5-S	Soil	4/21/2009 9:10:00 AM	4/21/2009	5/1/2009
105148-011C	1001-108-5-S	Soil	4/21/2009 9:10:00 AM	4/21/2009	5/1/2009
105148-011D	1001-108-5-S	Soil	4/21/2009 9:10:00 AM	4/21/2009	5/1/2009
105148-011E	1001-108-5-S	Soil	4/21/2009 9:10:00 AM	4/21/2009	5/1/2009
105148-011F	1001-108-5-S	Soil	4/21/2009 9:10:00 AM	4/21/2009	5/1/2009
105148-011G	1001-108-5-S	Soil	4/21/2009 9:10:00 AM	4/21/2009	5/1/2009
105148-012A	1001-108-10-S	Soil	4/21/2009 9:15:00 AM	4/21/2009	5/1/2009
105148-012B	1001-108-10-S	Soil	4/21/2009 9:15:00 AM	4/21/2009	5/1/2009
105148-012C	1001-108-10-S	Soil	4/21/2009 9:15:00 AM	4/21/2009	5/1/2009
105148-012D	1001-108-10-S	Soil	4/21/2009 9:15:00 AM	4/21/2009	5/1/2009
105148-012E	1001-108-10-S	Soil	4/21/2009 9:15:00 AM	4/21/2009	5/1/2009
105148-012F	1001-108-10-S	Soil	4/21/2009 9:15:00 AM	4/21/2009	5/1/2009
105148-012G	1001-108-10-S	Soil	4/21/2009 9:15:00 AM	4/21/2009	5/1/2009
105148-013A	1001-108-10D-S	Soil	4/21/2009 9:15:00 AM	4/21/2009	5/1/2009
105148-013B	1001-108-10D-S	Soil	4/21/2009 9:15:00 AM	4/21/2009	5/1/2009
105148-013C	1001-108-10D-S	Soil	4/21/2009 9:15:00 AM	4/21/2009	5/1/2009
105148-013D	1001-108-10D-S	Soil	4/21/2009 9:15:00 AM	4/21/2009	5/1/2009
105148-013E	1001-108-10D-S	Soil	4/21/2009 9:15:00 AM	4/21/2009	5/1/2009



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CLIENT: Ninyo & Moore
Project: 207126015
Lab Order: 105148
Contract No:

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
105148-013F	1001-108-10D-S	Soil	4/21/2009 9:15:00 AM	4/21/2009	5/1/2009
105148-013G	1001-108-10D-S	Soil	4/21/2009 9:15:00 AM	4/21/2009	5/1/2009
105148-014A	1001-108-20-S	Soil	4/21/2009 9:25:00 AM	4/21/2009	5/1/2009
105148-014B	1001-108-20-S	Soil	4/21/2009 9:25:00 AM	4/21/2009	5/1/2009
105148-014C	1001-108-20-S	Soil	4/21/2009 9:25:00 AM	4/21/2009	5/1/2009
105148-014D	1001-108-20-S	Soil	4/21/2009 9:25:00 AM	4/21/2009	5/1/2009
105148-014E	1001-108-20-S	Soil	4/21/2009 9:25:00 AM	4/21/2009	5/1/2009
105148-014F	1001-108-20-S	Soil	4/21/2009 9:25:00 AM	4/21/2009	5/1/2009
105148-014G	1001-108-20-S	Soil	4/21/2009 9:25:00 AM	4/21/2009	5/1/2009
105148-015A	1001-106-2-S	Soil	4/21/2009 9:40:00 AM	4/21/2009	5/1/2009
105148-015B	1001-106-2-S	Soil	4/21/2009 9:40:00 AM	4/21/2009	5/1/2009
105148-015C	1001-106-2-S	Soil	4/21/2009 9:40:00 AM	4/21/2009	5/1/2009
105148-015D	1001-106-2-S	Soil	4/21/2009 9:40:00 AM	4/21/2009	5/1/2009
105148-015E	1001-106-2-S	Soil	4/21/2009 9:40:00 AM	4/21/2009	5/1/2009
105148-015F	1001-106-2-S	Soil	4/21/2009 9:40:00 AM	4/21/2009	5/1/2009
105148-015G	1001-106-2-S	Soil	4/21/2009 9:40:00 AM	4/21/2009	5/1/2009
105148-016A	1001-106-5-S	Soil	4/21/2009 9:45:00 AM	4/21/2009	5/1/2009
105148-016B	1001-106-5-S	Soil	4/21/2009 9:45:00 AM	4/21/2009	5/1/2009
105148-016C	1001-106-5-S	Soil	4/21/2009 9:45:00 AM	4/21/2009	5/1/2009
105148-016D	1001-106-5-S	Soil	4/21/2009 9:45:00 AM	4/21/2009	5/1/2009
105148-016E	1001-106-5-S	Soil	4/21/2009 9:45:00 AM	4/21/2009	5/1/2009
105148-016F	1001-106-5-S	Soil	4/21/2009 9:45:00 AM	4/21/2009	5/1/2009
105148-016G	1001-106-5-S	Soil	4/21/2009 9:45:00 AM	4/21/2009	5/1/2009
105148-017A	1001-106-10-S	Soil	4/21/2009 9:55:00 AM	4/21/2009	5/1/2009
105148-017B	1001-106-10-S	Soil	4/21/2009 9:55:00 AM	4/21/2009	5/1/2009
105148-017C	1001-106-10-S	Soil	4/21/2009 9:55:00 AM	4/21/2009	5/1/2009
105148-017D	1001-106-10-S	Soil	4/21/2009 9:55:00 AM	4/21/2009	5/1/2009
105148-017E	1001-106-10-S	Soil	4/21/2009 9:55:00 AM	4/21/2009	5/1/2009
105148-017F	1001-106-10-S	Soil	4/21/2009 9:55:00 AM	4/21/2009	5/1/2009
105148-017G	1001-106-10-S	Soil	4/21/2009 9:55:00 AM	4/21/2009	5/1/2009



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CLIENT: Ninyo & Moore
Project: 207126015
Lab Order: 105148
Contract No:

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
105148-018A	1001-106-20-S	Soil	4/21/2009 10:05:00 AM	4/21/2009	5/1/2009
105148-018B	1001-106-20-S	Soil	4/21/2009 10:05:00 AM	4/21/2009	5/1/2009
105148-018C	1001-106-20-S	Soil	4/21/2009 10:05:00 AM	4/21/2009	5/1/2009
105148-018D	1001-106-20-S	Soil	4/21/2009 10:05:00 AM	4/21/2009	5/1/2009
105148-018E	1001-106-20-S	Soil	4/21/2009 10:05:00 AM	4/21/2009	5/1/2009
105148-018F	1001-106-20-S	Soil	4/21/2009 10:05:00 AM	4/21/2009	5/1/2009
105148-018G	1001-106-20-S	Soil	4/21/2009 10:05:00 AM	4/21/2009	5/1/2009
105148-019A	1001-106-20D-S	Soil	4/21/2009 10:05:00 AM	4/21/2009	5/1/2009
105148-019B	1001-106-20D-S	Soil	4/21/2009 10:05:00 AM	4/21/2009	5/1/2009
105148-019C	1001-106-20D-S	Soil	4/21/2009 10:05:00 AM	4/21/2009	5/1/2009
105148-019D	1001-106-20D-S	Soil	4/21/2009 10:05:00 AM	4/21/2009	5/1/2009
105148-019E	1001-106-20D-S	Soil	4/21/2009 10:05:00 AM	4/21/2009	5/1/2009
105148-019F	1001-106-20D-S	Soil	4/21/2009 10:05:00 AM	4/21/2009	5/1/2009
105148-019G	1001-106-20D-S	Soil	4/21/2009 10:05:00 AM	4/21/2009	5/1/2009
105148-020A	1001-107-2-S	Soil	4/21/2009 10:15:00 AM	4/21/2009	5/1/2009
105148-020B	1001-107-2-S	Soil	4/21/2009 10:15:00 AM	4/21/2009	5/1/2009
105148-020C	1001-107-2-S	Soil	4/21/2009 10:15:00 AM	4/21/2009	5/1/2009
105148-020D	1001-107-2-S	Soil	4/21/2009 10:15:00 AM	4/21/2009	5/1/2009
105148-020E	1001-107-2-S	Soil	4/21/2009 10:15:00 AM	4/21/2009	5/1/2009
105148-020F	1001-107-2-S	Soil	4/21/2009 10:15:00 AM	4/21/2009	5/1/2009
105148-020G	1001-107-2-S	Soil	4/21/2009 10:15:00 AM	4/21/2009	5/1/2009
105148-021A	1001-107-5-S	Soil	4/21/2009 10:25:00 AM	4/21/2009	5/1/2009
105148-021B	1001-107-5-S	Soil	4/21/2009 10:25:00 AM	4/21/2009	5/1/2009
105148-021C	1001-107-5-S	Soil	4/21/2009 10:25:00 AM	4/21/2009	5/1/2009
105148-021D	1001-107-5-S	Soil	4/21/2009 10:25:00 AM	4/21/2009	5/1/2009
105148-021E	1001-107-5-S	Soil	4/21/2009 10:25:00 AM	4/21/2009	5/1/2009
105148-021F	1001-107-5-S	Soil	4/21/2009 10:25:00 AM	4/21/2009	5/1/2009
105148-021G	1001-107-5-S	Soil	4/21/2009 10:25:00 AM	4/21/2009	5/1/2009
105148-022A	1001-107-10-S	Soil	4/21/2009 10:30:00 AM	4/21/2009	5/1/2009
105148-022B	1001-107-10-S	Soil	4/21/2009 10:30:00 AM	4/21/2009	5/1/2009



CLIENT: Ninyo & Moore
Project: 207126015
Lab Order: 105148
Contract No:

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
105148-022C	1001-107-10-S	Soil	4/21/2009 10:30:00 AM	4/21/2009	5/1/2009
105148-022D	1001-107-10-S	Soil	4/21/2009 10:30:00 AM	4/21/2009	5/1/2009
105148-022E	1001-107-10-S	Soil	4/21/2009 10:30:00 AM	4/21/2009	5/1/2009
105148-022F	1001-107-10-S	Soil	4/21/2009 10:30:00 AM	4/21/2009	5/1/2009
105148-022G	1001-107-10-S	Soil	4/21/2009 10:30:00 AM	4/21/2009	5/1/2009
105148-023A	1001-107-20-S	Soil	4/21/2009 10:40:00 AM	4/21/2009	5/1/2009
105148-023B	1001-107-20-S	Soil	4/21/2009 10:40:00 AM	4/21/2009	5/1/2009
105148-023C	1001-107-20-S	Soil	4/21/2009 10:40:00 AM	4/21/2009	5/1/2009
105148-023D	1001-107-20-S	Soil	4/21/2009 10:40:00 AM	4/21/2009	5/1/2009
105148-023E	1001-107-20-S	Soil	4/21/2009 10:40:00 AM	4/21/2009	5/1/2009
105148-023F	1001-107-20-S	Soil	4/21/2009 10:40:00 AM	4/21/2009	5/1/2009
105148-023G	1001-107-20-S	Soil	4/21/2009 10:40:00 AM	4/21/2009	5/1/2009
105148-024A	QCEB	Water	4/21/2009 10:50:00 AM	4/21/2009	5/1/2009
105148-024B	QCEB	Water	4/21/2009 10:50:00 AM	4/21/2009	5/1/2009
105148-024C	QCEB	Water	4/21/2009 10:50:00 AM	4/21/2009	5/1/2009
105148-024D	QCEB	Water	4/21/2009 10:50:00 AM	4/21/2009	5/1/2009
105148-024E	QCEB	Water	4/21/2009 10:50:00 AM	4/21/2009	5/1/2009
105148-024F	QCEB	Water	4/21/2009 10:50:00 AM	4/21/2009	5/1/2009
105148-024G	QCEB	Water	4/21/2009 10:50:00 AM	4/21/2009	5/1/2009



CLIENT: Ninyo & Moore
Project: 207126015
Lab Order: 105148

CASE NARRATIVE

All volatile analyses were performed using 5035 preservation requirements. Any high level dilutions were performed on a preserved methanol sample unless otherwise noted.

Sample Receiving/General Comment

Trip Blank sample was not received, client was notified on 4/21/09. Analytical Comments for METHOD 8270_S_FULL, SAMPLE 105148-006A: black sample extract

Analytical Comments for EPA 6010B

1. Samples 105148-020ADUP and 105148-023ADUP, RPD for Sample Duplicate (DUP) is outside criteria; however, the Laboratory Control Sample (LCS) validated the analytical batch.

Analytical Comments for EPA 8015B(M)

1. Sample 105148-011ADUP, RPD for Sample Duplicate (DUP) is outside criteria; however, the Laboratory Control Sample (LCS) validated the analytical batch.
2. Samples MB-54952MS and MB-54952MSD, Matrix Spike (MS) and Matrix Spike Duplicate (MSD) are outside recovery criteria; however, the analytical batch was validated by the Laboratory Control Sample (LCS).

Analytical Comments for EPA 8270C

1. Sample 105148-006A, dilution was necessary due to samples' dark extract.

Analytical Comments for SM4500-H+B

1. Samples 105148-024A and 105148-024ADUP, were received and analyzed past holding time.



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105148
Project: 207126015
Lab ID: 105148-001A

Client Sample ID: 1001-110-2-S
Collection Date: 4/21/2009 7:50:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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ICP METALS

EPA 3050B		EPA 6010B	
RunID: ICP8_090424F	QC Batch: 54944	PrepDate: 4/23/2009	Analyst: CL
Antimony	ND 0.28	2.0	mg/Kg 1 4/24/2009 04:23 PM
Arsenic	ND 0.27	1.0	mg/Kg 1 4/24/2009 04:23 PM
Barium	130 0.13	1.0	mg/Kg 1 4/24/2009 04:23 PM
Beryllium	ND 0.055	1.0	mg/Kg 1 4/24/2009 04:23 PM
Cadmium	ND 0.0064	1.0	mg/Kg 1 4/24/2009 04:23 PM
Chromium	18 0.088	1.0	mg/Kg 1 4/24/2009 04:23 PM
Cobalt	7.0 0.014	1.0	mg/Kg 1 4/24/2009 04:23 PM
Copper	18 0.26	2.0	mg/Kg 1 4/24/2009 04:23 PM
Lead	2.4 0.11	1.0	mg/Kg 1 4/24/2009 04:23 PM
Molybdenum	ND 0.043	1.0	mg/Kg 1 4/24/2009 04:23 PM
Nickel	13 0.032	1.0	mg/Kg 1 4/24/2009 04:23 PM
Selenium	ND 0.43	1.0	mg/Kg 1 4/24/2009 04:23 PM
Silver	ND 0.017	1.0	mg/Kg 1 4/24/2009 04:23 PM
Thallium	ND 0.23	1.0	mg/Kg 1 4/24/2009 04:23 PM
Vanadium	43 0.019	1.0	mg/Kg 1 4/24/2009 04:23 PM
Zinc	77 0.19	1.0	mg/Kg 1 4/24/2009 04:23 PM

HEXAVALENT CHROMIUM

EPA 7196A	
RunID: WETCHEM3_090427A	QC Batch: 55023
PrepDate: 4/27/2009	Analyst: CBB
Chromium, Hexavalent	ND 0.074 0.10 mg/Kg 1 4/27/2009

DIESEL RANGE ORGANICS BY GC/FID LUFT

EPA 8015B(M)	
RunID: GC8_BACK_090429B	QC Batch: 54920
PrepDate: 4/22/2009	Analyst: CBR
DRO	17 10 10 mg/Kg 1 4/30/2009 11:38 AM
Surr: p-Terphenyl	97.6 0 57-144 %REC 1 4/30/2009 11:38 AM

HYDROCARBON CHAIN IDENTIFICATION LUFT

EPA 8015B(M)	
RunID: GC8_BACK_090429B	QC Batch: 54920
PrepDate: 4/22/2009	Analyst: CBR
T/R Hydrocarbons: C13-C22	ND 10 10 mg/Kg 1 4/30/2009 11:38 AM
T/R Hydrocarbons: C23-C32	12 10 10 mg/Kg 1 4/30/2009 11:38 AM
T/R Hydrocarbons:>C32	22 10 10 mg/Kg 1 4/30/2009 11:38 AM
Surr: p-Terphenyl	98.3 0 57-144 %REC 1 4/30/2009 11:38 AM

Qualifiers:	B Analyte detected in the associated Method Blank	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	ND Not Detected at the Reporting Limit
	S Spike/Surrogate outside of limits due to matrix interference	Results are wet unless otherwise specified
	DO Surrogate Diluted Out	



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105148
Project: 207126015
Lab ID: 105148-001A

Client Sample ID: 1001-110-2-S
Collection Date: 4/21/2009 7:50:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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PCBS BY GC/ECD

EPA 3550B

EPA 8082

RunID: GC5_090423B	QC Batch: 54965	PrepDate: 4/23/2009	Analyst: BB			
Aroclor 1016	ND	5.0	16	µg/Kg	1	4/24/2009 04:40 AM
Aroclor 1221	ND	5.0	33	µg/Kg	1	4/24/2009 04:40 AM
Aroclor 1232	ND	5.0	16	µg/Kg	1	4/24/2009 04:40 AM
Aroclor 1242	ND	5.0	16	µg/Kg	1	4/24/2009 04:40 AM
Aroclor 1248	ND	5.0	16	µg/Kg	1	4/24/2009 04:40 AM
Aroclor 1254	ND	5.0	16	µg/Kg	1	4/24/2009 04:40 AM
Aroclor 1260	ND	5.0	16	µg/Kg	1	4/24/2009 04:40 AM
Aroclor 1262	ND	5.0	16	µg/Kg	1	4/24/2009 04:40 AM
Aroclor 1268	ND	5.0	16	µg/Kg	1	4/24/2009 04:40 AM
Surr: Decachlorobiphenyl	83.2	0	30-124	%REC	1	4/24/2009 04:40 AM
Surr: Tetrachloro-m-xylene	105	0	40-118	%REC	1	4/24/2009 04:40 AM

MERCURY BY COLD VAPOR TECHNIQUE

EPA 7471A

RunID: AA5_090423B	QC Batch: 54933	PrepDate: 4/23/2009	Analyst: RQ			
Mercury	ND	0.021	0.10	mg/Kg	1	4/23/2009 12:03 PM

SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3550B

EPA 8270C

RunID: MS6_090428B	QC Batch: 54926	PrepDate: 4/22/2009	Analyst: DMP			
1,2,4-Trichlorobenzene	ND	82	330	µg/Kg	1	4/28/2009 03:29 PM
1,2-Dichlorobenzene	ND	85	330	µg/Kg	1	4/28/2009 03:29 PM
1,3-Dichlorobenzene	ND	74	330	µg/Kg	1	4/28/2009 03:29 PM
1,4-Dichlorobenzene	ND	78	330	µg/Kg	1	4/28/2009 03:29 PM
2,4,5-Trichlorophenol	ND	56	330	µg/Kg	1	4/28/2009 03:29 PM
2,4,6-Trichlorophenol	ND	78	330	µg/Kg	1	4/28/2009 03:29 PM
2,4-Dichlorophenol	ND	87	1600	µg/Kg	1	4/28/2009 03:29 PM
2,4-Dimethylphenol	ND	88	330	µg/Kg	1	4/28/2009 03:29 PM
2,4-Dinitrophenol	ND	45	1600	µg/Kg	1	4/28/2009 03:29 PM
2,4-Dinitrotoluene	ND	67	330	µg/Kg	1	4/28/2009 03:29 PM
2,6-Dinitrotoluene	ND	67	330	µg/Kg	1	4/28/2009 03:29 PM
2-Chloronaphthalene	ND	70	330	µg/Kg	1	4/28/2009 03:29 PM
2-Chlorophenol	ND	89	330	µg/Kg	1	4/28/2009 03:29 PM
2-Methylnaphthalene	ND	78	330	µg/Kg	1	4/28/2009 03:29 PM
2-Methylphenol	ND	96	330	µg/Kg	1	4/28/2009 03:29 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105148
Project: 207126015
Lab ID: 105148-001A

Client Sample ID: 1001-110-2-S
Collection Date: 4/21/2009 7:50:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3550B

EPA 8270C

RunID: MS6_090428B	QC Batch: 54926	PrepDate: 4/22/2009	Analyst: DMP
2-Nitroaniline	ND	79	1600
2-Nitrophenol	ND	70	330
3,3'-Dichlorobenzidine	ND	78	660
3-Nitroaniline	ND	60	1600
4,6-Dinitro-2-methylphenol	ND	63	1600
4-Bromophenyl-phenylether	ND	73	330
4-Chloro-3-methylphenol	ND	75	660
4-Chloroaniline	ND	73	660
4-Chlorophenyl-phenylether	ND	70	330
4-Methylphenol	ND	79	330
4-Nitroaniline	ND	60	1600
4-Nitrophenol	ND	71	1600
Acenaphthene	ND	70	330
Acenaphthylene	ND	69	330
Anthracene	ND	76	330
Benzidine (M)	ND	71	1600
Benzo(a)anthracene	ND	69	330
Benzo(a)pyrene	ND	82	330
Benzo(b)fluoranthene	ND	70	330
Benzo(g,h,i)perylene	ND	71	330
Benzo(k)fluoranthene	ND	98	330
Benzoic acid	ND	64	1600
Benzyl alcohol	ND	86	660
Bis(2-chloroethoxy)methane	ND	79	330
Bis(2-chloroethyl)ether	ND	81	330
Bis(2-chloroisopropyl)ether	ND	91	330
Bis(2-ethylhexyl)phthalate	ND	72	330
Butylbenzylphthalate	ND	72	330
Chrysene	ND	79	330
Di-n-butylphthalate	ND	78	330
Di-n-octylphthalate	ND	71	330
Dibenz(a,h)anthracene	ND	83	330
Dibenzofuran	ND	68	330
Diethylphthalate	ND	74	330
Dimethylphthalate	ND	69	330

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
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Advanced Technology Laboratories**ANALYTICAL RESULTS**

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105148
Project: 207126015
Lab ID: 105148-001A

Client Sample ID: 1001-110-2-S
Collection Date: 4/21/2009 7:50:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS**EPA 3550B****EPA 8270C**

RunID: MS6_090428B	QC Batch: 54926			PrepDate: 4/22/2009	Analyst: DMP
Fluoranthene	ND	73	330	µg/Kg	1 4/28/2009 03:29 PM
Fluorene	ND	69	330	µg/Kg	1 4/28/2009 03:29 PM
Hexachlorobenzene	ND	76	330	µg/Kg	1 4/28/2009 03:29 PM
Hexachlorobutadiene	ND	77	660	µg/Kg	1 4/28/2009 03:29 PM
Hexachlorocyclopentadiene	ND	80	660	µg/Kg	1 4/28/2009 03:29 PM
Hexachloroethane	ND	81	330	µg/Kg	1 4/28/2009 03:29 PM
Indeno(1,2,3-cd)pyrene	ND	69	330	µg/Kg	1 4/28/2009 03:29 PM
Isophorone	ND	85	330	µg/Kg	1 4/28/2009 03:29 PM
N-Nitrosodi-n-propylamine	ND	82	330	µg/Kg	1 4/28/2009 03:29 PM
N-Nitrosodiphenylamine	ND	79	330	µg/Kg	1 4/28/2009 03:29 PM
Naphthalene	ND	86	330	µg/Kg	1 4/28/2009 03:29 PM
Nitrobenzene	ND	82	330	µg/Kg	1 4/28/2009 03:29 PM
Pentachlorophenol	ND	55	1600	µg/Kg	1 4/28/2009 03:29 PM
Phenanthrene	ND	76	330	µg/Kg	1 4/28/2009 03:29 PM
Phenol	400	95	330	µg/Kg	1 4/28/2009 03:29 PM
Pyrene	ND	77	330	µg/Kg	1 4/28/2009 03:29 PM
Surr: 1,2-Dichlorobenzene-d4	71.6	0	49-103	%REC	1 4/28/2009 03:29 PM
Surr: 2,4,6-Tribromophenol	49.1	0	47-129	%REC	1 4/28/2009 03:29 PM
Surr: 2-Chlorophenol-d4	76.4	0	54-109	%REC	1 4/28/2009 03:29 PM
Surr: 2-Fluorobiphenyl	86.6	0	59-108	%REC	1 4/28/2009 03:29 PM
Surr: 2-Fluorophenol	76.1	0	50-111	%REC	1 4/28/2009 03:29 PM
Surr: 4-Terphenyl-d14	106	0	58-135	%REC	1 4/28/2009 03:29 PM
Surr: Nitrobenzene-d5	83.6	0	54-115	%REC	1 4/28/2009 03:29 PM
Surr: Phenol-d5	81.1	0	58-112	%REC	1 4/28/2009 03:29 PM

PH**EPA 9045C**

RunID: WETCHEM_090423A	QC Batch: R108435			PrepDate:	Analyst: DDL
pH	8.6	0.10	0.10	pH Units	1 4/23/2009

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105148
Project: 207126015
Lab ID: 105148-001B

Client Sample ID: 1001-110-2-S
Collection Date: 4/21/2009 7:50:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS4_090422A	QC Batch: K09VS061	PrepDate: 4/22/2009	Analyst: HH
1,1,1,2-Tetrachloroethane	ND 1.8	5.2	µg/Kg 1 4/22/2009 12:51 PM
1,1,1-Trichloroethane	ND 0.67	5.2	µg/Kg 1 4/22/2009 12:51 PM
1,1,2,2-Tetrachloroethane	ND 1.6	5.2	µg/Kg 1 4/22/2009 12:51 PM
1,1,2-Trichloroethane	ND 1.7	5.2	µg/Kg 1 4/22/2009 12:51 PM
1,1-Dichloroethane	ND 0.53	5.2	µg/Kg 1 4/22/2009 12:51 PM
1,1-Dichloroethene	ND 1.3	5.2	µg/Kg 1 4/22/2009 12:51 PM
1,1-Dichloropropene	ND 1.6	5.2	µg/Kg 1 4/22/2009 12:51 PM
1,2,3-Trichlorobenzene	ND 1.1	5.2	µg/Kg 1 4/22/2009 12:51 PM
1,2,3-Trichloropropane	ND 0.78	5.2	µg/Kg 1 4/22/2009 12:51 PM
1,2,4-Trichlorobenzene	ND 1.4	5.2	µg/Kg 1 4/22/2009 12:51 PM
1,2,4-Trimethylbenzene	ND 0.89	5.2	µg/Kg 1 4/22/2009 12:51 PM
1,2-Dibromo-3-chloropropane	ND 2.0	10	µg/Kg 1 4/22/2009 12:51 PM
1,2-Dibromoethane	ND 1.5	5.2	µg/Kg 1 4/22/2009 12:51 PM
1,2-Dichlorobenzene	ND 0.87	5.2	µg/Kg 1 4/22/2009 12:51 PM
1,2-Dichloroethane	ND 1.2	5.2	µg/Kg 1 4/22/2009 12:51 PM
1,2-Dichloropropane	ND 1.6	5.2	µg/Kg 1 4/22/2009 12:51 PM
1,3,5-Trimethylbenzene	ND 1.0	5.2	µg/Kg 1 4/22/2009 12:51 PM
1,3-Dichlorobenzene	ND 1.0	5.2	µg/Kg 1 4/22/2009 12:51 PM
1,3-Dichloropropane	ND 1.1	5.2	µg/Kg 1 4/22/2009 12:51 PM
1,4-Dichlorobenzene	ND 1.3	5.2	µg/Kg 1 4/22/2009 12:51 PM
2,2-Dichloropropane	ND 0.91	5.2	µg/Kg 1 4/22/2009 12:51 PM
2-Chlorotoluene	ND 0.69	5.2	µg/Kg 1 4/22/2009 12:51 PM
4-Chlorotoluene	ND 0.70	5.2	µg/Kg 1 4/22/2009 12:51 PM
4-Isopropyltoluene	ND 0.60	5.2	µg/Kg 1 4/22/2009 12:51 PM
Benzene	ND 0.86	5.2	µg/Kg 1 4/22/2009 12:51 PM
Bromobenzene	ND 1.6	5.2	µg/Kg 1 4/22/2009 12:51 PM
Bromodichloromethane	ND 0.89	5.2	µg/Kg 1 4/22/2009 12:51 PM
Bromoform	ND 1.3	5.2	µg/Kg 1 4/22/2009 12:51 PM
Bromomethane	ND 0.91	5.2	µg/Kg 1 4/22/2009 12:51 PM
Carbon tetrachloride	ND 1.4	5.2	µg/Kg 1 4/22/2009 12:51 PM
Chlorobenzene	ND 0.93	5.2	µg/Kg 1 4/22/2009 12:51 PM
Chloroethane	ND 1.4	5.2	µg/Kg 1 4/22/2009 12:51 PM
Chloroform	ND 0.65	5.2	µg/Kg 1 4/22/2009 12:51 PM
Chloromethane	ND 0.85	5.2	µg/Kg 1 4/22/2009 12:51 PM
cis-1,2-Dichloroethene	ND 1.3	5.2	µg/Kg 1 4/22/2009 12:51 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
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	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105148
Project: 207126015
Lab ID: 105148-001B

Client Sample ID: 1001-110-2-S
Collection Date: 4/21/2009 7:50:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS4_090422A	QC Batch: K09VS061	PrepDate: 4/22/2009	Analyst: HH
cis-1,3-Dichloropropene	ND 1.3	5.2	µg/Kg 1 4/22/2009 12:51 PM
Dibromochloromethane	ND 0.71	5.2	µg/Kg 1 4/22/2009 12:51 PM
Dibromomethane	ND 1.8	5.2	µg/Kg 1 4/22/2009 12:51 PM
Dichlorodifluoromethane	ND 0.63	5.2	µg/Kg 1 4/22/2009 12:51 PM
Ethylbenzene	ND 0.95	5.2	µg/Kg 1 4/22/2009 12:51 PM
Hexachlorobutadiene	ND 3.5	5.2	µg/Kg 1 4/22/2009 12:51 PM
Isopropylbenzene	ND 1.3	5.2	µg/Kg 1 4/22/2009 12:51 PM
m,p-Xylene	ND 1.8	10	µg/Kg 1 4/22/2009 12:51 PM
Methylene chloride	ND 5.2	5.2	µg/Kg 1 4/22/2009 12:51 PM
n-Butylbenzene	ND 1.1	5.2	µg/Kg 1 4/22/2009 12:51 PM
n-Propylbenzene	ND 0.94	5.2	µg/Kg 1 4/22/2009 12:51 PM
Naphthalene	ND 1.7	5.2	µg/Kg 1 4/22/2009 12:51 PM
o-Xylene	ND 1.1	5.2	µg/Kg 1 4/22/2009 12:51 PM
sec-Butylbenzene	ND 0.89	5.2	µg/Kg 1 4/22/2009 12:51 PM
Styrene	ND 0.93	5.2	µg/Kg 1 4/22/2009 12:51 PM
tert-Butylbenzene	ND 0.63	5.2	µg/Kg 1 4/22/2009 12:51 PM
Tetrachloroethene	19 1.1	5.2	µg/Kg 1 4/22/2009 12:51 PM
Toluene	ND 0.86	5.2	µg/Kg 1 4/22/2009 12:51 PM
trans-1,2-Dichloroethene	ND 1.0	5.2	µg/Kg 1 4/22/2009 12:51 PM
Trichloroethene	ND 2.1	5.2	µg/Kg 1 4/22/2009 12:51 PM
Trichlorofluoromethane	ND 1.2	5.2	µg/Kg 1 4/22/2009 12:51 PM
Vinyl chloride	ND 0.61	5.2	µg/Kg 1 4/22/2009 12:51 PM
Surr: 1,2-Dichloroethane-d4	112 0	68-147	%REC 1 4/22/2009 12:51 PM
Surr: 4-Bromofluorobenzene	103 0	67-127	%REC 1 4/22/2009 12:51 PM
Surr: Dibromofluoromethane	111 0	72-141	%REC 1 4/22/2009 12:51 PM
Surr: Toluene-d8	107 0	75-120	%REC 1 4/22/2009 12:51 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
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Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105148
Project: 207126015
Lab ID: 105148-001E

Client Sample ID: 1001-110-2-S
Collection Date: 4/21/2009 7:50:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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GASOLINE RANGE ORGANICS BY GC/FID

EPA 8015B(M)

RunID: GC2_090422A	QC Batch: E09VS107	PrepDate: 4/21/2009	Analyst: KHN		
GRO	ND 0.13	0.86	mg/Kg	1	4/22/2009 11:58 AM
Surr: Bromofluorobenzene (FID)	79.5 0	59-145	%REC	1	4/22/2009 11:58 AM

HYDROCARBON CHAIN IDENTIFICATION

EPA 8015B

RunID: GC2_090422A	QC Batch: E09VS107	PrepDate: 4/21/2009	Analyst: KHN		
T/R Hydrocarbons: C4-C12	ND 0.17	0.86	mg/Kg	1	4/22/2009 11:58 AM
Surr: Bromofluorobenzene (FID)	79.5 0	59-145	%REC	1	4/22/2009 11:58 AM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



Advanced Technology
Laboratories

3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562.989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105148
Project: 207126015
Lab ID: 105148-002A

Client Sample ID: 1001-110-5-S
Collection Date: 4/21/2009 7:55:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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ICP METALS

EPA 3050B		EPA 6010B			
RunID: ICP8_090424F	QC Batch: 54944	PrepDate: 4/23/2009	Analyst: CL		
Antimony	ND 0.28	2.0	mg/Kg	1	4/24/2009 04:26 PM
Arsenic	ND 0.27	1.0	mg/Kg	1	4/24/2009 04:26 PM
Barium	200 0.13	1.0	mg/Kg	1	4/24/2009 04:26 PM
Beryllium	ND 0.055	1.0	mg/Kg	1	4/24/2009 04:26 PM
Cadmium	ND 0.0064	1.0	mg/Kg	1	4/24/2009 04:26 PM
Chromium	26 0.088	1.0	mg/Kg	1	4/24/2009 04:26 PM
Cobalt	11 0.014	1.0	mg/Kg	1	4/24/2009 04:26 PM
Copper	30 0.26	2.0	mg/Kg	1	4/24/2009 04:26 PM
Lead	ND 0.11	1.0	mg/Kg	1	4/24/2009 04:26 PM
Molybdenum	ND 0.043	1.0	mg/Kg	1	4/24/2009 04:26 PM
Nickel	20 0.032	1.0	mg/Kg	1	4/24/2009 04:26 PM
Selenium	ND 0.43	1.0	mg/Kg	1	4/24/2009 04:26 PM
Silver	ND 0.017	1.0	mg/Kg	1	4/24/2009 04:26 PM
Thallium	ND 0.23	1.0	mg/Kg	1	4/24/2009 04:26 PM
Vanadium	62 0.019	1.0	mg/Kg	1	4/24/2009 04:26 PM
Zinc	64 0.19	1.0	mg/Kg	1	4/24/2009 04:26 PM

HEXAVALENT CHROMIUM

EPA 7196A			
RunID: WETCHEM3_090427A	QC Batch: 55023	PrepDate: 4/27/2009	Analyst: CBB
Chromium, Hexavalent	ND 0.074	0.10	mg/Kg 1 4/27/2009

DIESEL RANGE ORGANICS BY GC/FID LUFT

EPA 8015B(M)			
RunID: GC8_BACK_090429B	QC Batch: 54920	PrepDate: 4/22/2009	Analyst: CBR
DRO	ND 10	10	mg/Kg 1 4/30/2009 12:05 PM
Surr: p-Terphenyl	108 0	57-144	%REC 1 4/30/2009 12:05 PM

HYDROCARBON CHAIN IDENTIFICATION LUFT

EPA 8015B(M)			
RunID: GC8_BACK_090429B	QC Batch: 54920	PrepDate: 4/22/2009	Analyst: CBR
T/R Hydrocarbons: C13-C22	ND 10	10	mg/Kg 1 4/30/2009 12:05 PM
T/R Hydrocarbons: C23-C32	ND 10	10	mg/Kg 1 4/30/2009 12:05 PM
T/R Hydrocarbons:>C32	ND 10	10	mg/Kg 1 4/30/2009 12:05 PM
Surr: p-Terphenyl	103 0	57-144	%REC 1 4/30/2009 12:05 PM

Qualifiers:	B Analyte detected in the associated Method Blank	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	ND Not Detected at the Reporting Limit
	S Spike/Surrogate outside of limits due to matrix interference	Results are wet unless otherwise specified
	DO Surrogate Diluted Out	



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Advanced Technology Laboratories**ANALYTICAL RESULTS**

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105148
Project: 207126015
Lab ID: 105148-002A

Client Sample ID: 1001-110-5-S
Collection Date: 4/21/2009 7:55:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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PCBS BY GC/ECD**EPA 3550B****EPA 8082**

RunID: GC5_090423B	QC Batch: 54965			PrepDate: 4/23/2009	Analyst: BB
Aroclor 1016	ND	5.0	16	µg/Kg	1 4/24/2009 05:10 AM
Aroclor 1221	ND	5.0	33	µg/Kg	1 4/24/2009 05:10 AM
Aroclor 1232	ND	5.0	16	µg/Kg	1 4/24/2009 05:10 AM
Aroclor 1242	ND	5.0	16	µg/Kg	1 4/24/2009 05:10 AM
Aroclor 1248	ND	5.0	16	µg/Kg	1 4/24/2009 05:10 AM
Aroclor 1254	ND	5.0	16	µg/Kg	1 4/24/2009 05:10 AM
Aroclor 1260	ND	5.0	16	µg/Kg	1 4/24/2009 05:10 AM
Aroclor 1262	ND	5.0	16	µg/Kg	1 4/24/2009 05:10 AM
Aroclor 1268	ND	5.0	16	µg/Kg	1 4/24/2009 05:10 AM
Surr: Decachlorobiphenyl	78.3	0	30-124	%REC	1 4/24/2009 05:10 AM
Surr: Tetrachloro-m-xylene	104	0	40-118	%REC	1 4/24/2009 05:10 AM

MERCURY BY COLD VAPOR TECHNIQUE**EPA 7471A**

RunID: AA5_090423B	QC Batch: 54933			PrepDate: 4/23/2009	Analyst: RQ
Mercury	ND	0.021	0.10	mg/Kg	1 4/23/2009 12:05 PM

SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS**EPA 3550B****EPA 8270C**

RunID: MS 13_090423A	QC Batch: 54926			PrepDate: 4/22/2009	Analyst: DMP
1,2,4-Trichlorobenzene	ND	82	330	µg/Kg	1 4/24/2009 02:49 PM
1,2-Dichlorobenzene	ND	85	330	µg/Kg	1 4/24/2009 02:49 PM
1,3-Dichlorobenzene	ND	74	330	µg/Kg	1 4/24/2009 02:49 PM
1,4-Dichlorobenzene	ND	78	330	µg/Kg	1 4/24/2009 02:49 PM
2,4,5-Trichlorophenol	ND	56	330	µg/Kg	1 4/24/2009 02:49 PM
2,4,6-Trichlorophenol	ND	78	330	µg/Kg	1 4/24/2009 02:49 PM
2,4-Dichlorophenol	ND	87	1600	µg/Kg	1 4/24/2009 02:49 PM
2,4-Dimethylphenol	ND	88	330	µg/Kg	1 4/24/2009 02:49 PM
2,4-Dinitrophenol	ND	45	1600	µg/Kg	1 4/24/2009 02:49 PM
2,4-Dinitrotoluene	ND	67	330	µg/Kg	1 4/24/2009 02:49 PM
2,6-Dinitrotoluene	ND	67	330	µg/Kg	1 4/24/2009 02:49 PM
2-Chloronaphthalene	ND	70	330	µg/Kg	1 4/24/2009 02:49 PM
2-Chlorophenol	ND	89	330	µg/Kg	1 4/24/2009 02:49 PM
2-Methylnaphthalene	ND	78	330	µg/Kg	1 4/24/2009 02:49 PM
2-Methylphenol	ND	96	330	µg/Kg	1 4/24/2009 02:49 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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Lab Order: 105148
Project: 207126015
Lab ID: 105148-002A

Client Sample ID: 1001-110-5-S
Collection Date: 4/21/2009 7:55:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3550B

EPA 8270C

RunID: MS 13_090423A	QC Batch: 54926	PrepDate: 4/22/2009	Analyst: DMP
2-Nitroaniline	ND	79	1600
2-Nitrophenol	ND	70	330
3,3'-Dichlorobenzidine	ND	78	660
3-Nitroaniline	ND	60	1600
4,6-Dinitro-2-methylphenol	ND	63	1600
4-Bromophenyl-phenylether	ND	73	330
4-Chloro-3-methylphenol	ND	75	660
4-Chloroaniline	ND	73	660
4-Chlorophenyl-phenylether	ND	70	330
4-Methylphenol	ND	79	330
4-Nitroaniline	ND	60	1600
4-Nitrophenol	ND	71	1600
Acenaphthene	ND	70	330
Acenaphthylene	ND	69	330
Anthracene	ND	76	330
Benzidine (M)	ND	71	1600
Benzo(a)anthracene	ND	69	330
Benzo(a)pyrene	ND	82	330
Benzo(b)fluoranthene	ND	70	330
Benzo(g,h,i)perylene	ND	71	330
Benzo(k)fluoranthene	ND	98	330
Benzoic acid	ND	64	1600
Benzyl alcohol	ND	86	660
Bis(2-chloroethoxy)methane	ND	79	330
Bis(2-chloroethyl)ether	ND	81	330
Bis(2-chloroisopropyl)ether	ND	91	330
Bis(2-ethylhexyl)phthalate	ND	72	330
Butylbenzylphthalate	ND	72	330
Chrysene	ND	79	330
Di-n-butylphthalate	ND	78	330
Di-n-octylphthalate	ND	71	330
Dibenz(a,h)anthracene	ND	83	330
Dibenzofuran	ND	68	330
Diethylphthalate	ND	74	330
Dimethylphthalate	ND	69	330

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Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3550B

EPA 8270C

RunID: MS 13_090423A	QC Batch: 54926	PrepDate: 4/22/2009	Analyst: DMP
Fluoranthene	ND	73	330
Fluorene	ND	69	330
Hexachlorobenzene	ND	76	330
Hexachlorobutadiene	ND	77	660
Hexachlorocyclopentadiene	ND	80	660
Hexachloroethane	ND	81	330
Indeno(1,2,3-cd)pyrene	ND	69	330
Isophorone	ND	85	330
N-Nitrosodi-n-propylamine	ND	82	330
N-Nitrosodiphenylamine	ND	79	330
Naphthalene	ND	86	330
Nitrobenzene	ND	82	330
Pentachlorophenol	ND	55	1600
Phenanthrene	ND	76	330
Phenol	ND	95	330
Pyrene	ND	77	330
Surr: 1,2-Dichlorobenzene-d4	78.7	0	49-103
Surr: 2,4,6-Tribromophenol	85.5	0	47-129
Surr: 2-Chlorophenol-d4	87.4	0	54-109
Surr: 2-Fluorobiphenyl	96.1	0	59-108
Surr: 2-Fluorophenol	84.0	0	50-111
Surr: 4-Terphenyl-d14	122	0	58-135
Surr: Nitrobenzene-d5	89.2	0	54-115
Surr: Phenol-d5	91.5	0	58-112

PH

EPA 9045C

RunID: WETCHEM_090423A	QC Batch: R108435	PrepDate:	Analyst: DDL
pH	7.7	0.10	0.10

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
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Lab Order: 105148
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Client Sample ID: 1001-110-5-S
Collection Date: 4/21/2009 7:55:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS4_090422A	QC Batch: K09VS061	PrepDate: 4/22/2009	Analyst: HH
1,1,1,2-Tetrachloroethane	ND 2.1	6.0	µg/Kg 1 4/22/2009 01:07 PM
1,1,1-Trichloroethane	ND 0.77	6.0	µg/Kg 1 4/22/2009 01:07 PM
1,1,2,2-Tetrachloroethane	ND 1.9	6.0	µg/Kg 1 4/22/2009 01:07 PM
1,1,2-Trichloroethane	ND 2.0	6.0	µg/Kg 1 4/22/2009 01:07 PM
1,1-Dichloroethane	ND 0.61	6.0	µg/Kg 1 4/22/2009 01:07 PM
1,1-Dichloroethene	ND 1.5	6.0	µg/Kg 1 4/22/2009 01:07 PM
1,1-Dichloropropene	ND 1.8	6.0	µg/Kg 1 4/22/2009 01:07 PM
1,2,3-Trichlorobenzene	ND 1.2	6.0	µg/Kg 1 4/22/2009 01:07 PM
1,2,3-Trichloropropane	ND 0.90	6.0	µg/Kg 1 4/22/2009 01:07 PM
1,2,4-Trichlorobenzene	ND 1.6	6.0	µg/Kg 1 4/22/2009 01:07 PM
1,2,4-Trimethylbenzene	ND 1.0	6.0	µg/Kg 1 4/22/2009 01:07 PM
1,2-Dibromo-3-chloropropane	ND 2.3	12	µg/Kg 1 4/22/2009 01:07 PM
1,2-Dibromoethane	ND 1.8	6.0	µg/Kg 1 4/22/2009 01:07 PM
1,2-Dichlorobenzene	ND 1.0	6.0	µg/Kg 1 4/22/2009 01:07 PM
1,2-Dichloroethane	ND 1.4	6.0	µg/Kg 1 4/22/2009 01:07 PM
1,2-Dichloropropane	ND 1.9	6.0	µg/Kg 1 4/22/2009 01:07 PM
1,3,5-Trimethylbenzene	ND 1.2	6.0	µg/Kg 1 4/22/2009 01:07 PM
1,3-Dichlorobenzene	ND 1.2	6.0	µg/Kg 1 4/22/2009 01:07 PM
1,3-Dichloropropane	ND 1.3	6.0	µg/Kg 1 4/22/2009 01:07 PM
1,4-Dichlorobenzene	ND 1.4	6.0	µg/Kg 1 4/22/2009 01:07 PM
2,2-Dichloropropane	ND 1.0	6.0	µg/Kg 1 4/22/2009 01:07 PM
2-Chlorotoluene	ND 0.79	6.0	µg/Kg 1 4/22/2009 01:07 PM
4-Chlorotoluene	ND 0.81	6.0	µg/Kg 1 4/22/2009 01:07 PM
4-Isopropyltoluene	ND 0.69	6.0	µg/Kg 1 4/22/2009 01:07 PM
Benzene	ND 0.99	6.0	µg/Kg 1 4/22/2009 01:07 PM
Bromobenzene	ND 1.9	6.0	µg/Kg 1 4/22/2009 01:07 PM
Bromodichloromethane	ND 1.0	6.0	µg/Kg 1 4/22/2009 01:07 PM
Bromoform	ND 1.5	6.0	µg/Kg 1 4/22/2009 01:07 PM
Bromomethane	ND 1.0	6.0	µg/Kg 1 4/22/2009 01:07 PM
Carbon tetrachloride	ND 1.6	6.0	µg/Kg 1 4/22/2009 01:07 PM
Chlorobenzene	ND 1.1	6.0	µg/Kg 1 4/22/2009 01:07 PM
Chloroethane	ND 1.6	6.0	µg/Kg 1 4/22/2009 01:07 PM
Chloroform	ND 0.74	6.0	µg/Kg 1 4/22/2009 01:07 PM
Chloromethane	ND 0.98	6.0	µg/Kg 1 4/22/2009 01:07 PM
cis-1,2-Dichloroethene	ND 1.4	6.0	µg/Kg 1 4/22/2009 01:07 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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Advanced Technology Laboratories**ANALYTICAL RESULTS**

Print Date: 01-May-09

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Lab Order: 105148
Project: 207126015
Lab ID: 105148-002B

Client Sample ID: 1001-110-5-S
Collection Date: 4/21/2009 7:55:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS**EPA 8260B**

RunID: MS4_090422A	QC Batch: K09VS061	PrepDate: 4/22/2009	Analyst: HH
cis-1,3-Dichloropropene	ND 1.5	6.0	µg/Kg 1 4/22/2009 01:07 PM
Dibromochloromethane	ND 0.82	6.0	µg/Kg 1 4/22/2009 01:07 PM
Dibromomethane	ND 2.0	6.0	µg/Kg 1 4/22/2009 01:07 PM
Dichlorodifluoromethane	ND 0.72	6.0	µg/Kg 1 4/22/2009 01:07 PM
Ethylbenzene	ND 1.1	6.0	µg/Kg 1 4/22/2009 01:07 PM
Hexachlorobutadiene	ND 4.1	6.0	µg/Kg 1 4/22/2009 01:07 PM
Isopropylbenzene	ND 1.5	6.0	µg/Kg 1 4/22/2009 01:07 PM
m,p-Xylene	ND 2.0	12	µg/Kg 1 4/22/2009 01:07 PM
Methylene chloride	ND 6.0	6.0	µg/Kg 1 4/22/2009 01:07 PM
n-Butylbenzene	ND 1.2	6.0	µg/Kg 1 4/22/2009 01:07 PM
n-Propylbenzene	ND 1.1	6.0	µg/Kg 1 4/22/2009 01:07 PM
Naphthalene	ND 2.0	6.0	µg/Kg 1 4/22/2009 01:07 PM
o-Xylene	ND 1.2	6.0	µg/Kg 1 4/22/2009 01:07 PM
sec-Butylbenzene	ND 1.0	6.0	µg/Kg 1 4/22/2009 01:07 PM
Styrene	ND 1.1	6.0	µg/Kg 1 4/22/2009 01:07 PM
tert-Butylbenzene	ND 0.73	6.0	µg/Kg 1 4/22/2009 01:07 PM
Tetrachloroethene	ND 1.3	6.0	µg/Kg 1 4/22/2009 01:07 PM
Toluene	ND 1.0	6.0	µg/Kg 1 4/22/2009 01:07 PM
trans-1,2-Dichloroethene	ND 1.2	6.0	µg/Kg 1 4/22/2009 01:07 PM
Trichloroethene	ND 2.4	6.0	µg/Kg 1 4/22/2009 01:07 PM
Trichlorofluoromethane	ND 1.4	6.0	µg/Kg 1 4/22/2009 01:07 PM
Vinyl chloride	ND 0.71	6.0	µg/Kg 1 4/22/2009 01:07 PM
Surr: 1,2-Dichloroethane-d4	115 0	68-147	%REC 1 4/22/2009 01:07 PM
Surr: 4-Bromofluorobenzene	106 0	67-127	%REC 1 4/22/2009 01:07 PM
Surr: Dibromofluoromethane	111 0	72-141	%REC 1 4/22/2009 01:07 PM
Surr: Toluene-d8	105 0	75-120	%REC 1 4/22/2009 01:07 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
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Print Date: 01-May-09

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Lab Order: 105148
Project: 207126015
Lab ID: 105148-002E

Client Sample ID: 1001-110-5-S
Collection Date: 4/21/2009 7:55:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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GASOLINE RANGE ORGANICS BY GC/FID

EPA 8015B(M)

RunID: GC2_090422A	QC Batch: E09VS107	PrepDate: 4/21/2009	Analyst: KHN		
GRO	ND 0.16	1.0	mg/Kg	1	4/22/2009 12:29 PM
Surr: Bromofluorobenzene (FID)	106 0	59-145	%REC	1	4/22/2009 12:29 PM

HYDROCARBON CHAIN IDENTIFICATION

EPA 8015B

RunID: GC2_090422A	QC Batch: E09VS107	PrepDate: 4/21/2009	Analyst: KHN		
T/R Hydrocarbons: C4-C12	ND 0.20	1.0	mg/Kg	1	4/22/2009 12:29 PM
Surr: Bromofluorobenzene (FID)	106 0	59-145	%REC	1	4/22/2009 12:29 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
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Lab Order: 105148
Project: 207126015
Lab ID: 105148-003A

Client Sample ID: 1001-110-5D-S
Collection Date: 4/21/2009 7:55:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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ICP METALS

EPA 3050B

EPA 6010B

RunID:	ICP8_090424F	QC Batch:	54944	PrepDate:	4/23/2009	Analyst:	CL
Antimony	ND	0.28	2.0	mg/Kg	1	4/24/2009 04:28 PM	
Arsenic	ND	0.27	1.0	mg/Kg	1	4/24/2009 04:28 PM	
Barium	180	0.13	1.0	mg/Kg	1	4/24/2009 04:28 PM	
Beryllium	ND	0.055	1.0	mg/Kg	1	4/24/2009 04:28 PM	
Cadmium	ND	0.0064	1.0	mg/Kg	1	4/24/2009 04:28 PM	
Chromium	24	0.088	1.0	mg/Kg	1	4/24/2009 04:28 PM	
Cobalt	11	0.014	1.0	mg/Kg	1	4/24/2009 04:28 PM	
Copper	26	0.26	2.0	mg/Kg	1	4/24/2009 04:28 PM	
Lead	ND	0.11	1.0	mg/Kg	1	4/24/2009 04:28 PM	
Molybdenum	ND	0.043	1.0	mg/Kg	1	4/24/2009 04:28 PM	
Nickel	18	0.032	1.0	mg/Kg	1	4/24/2009 04:28 PM	
Selenium	ND	0.43	1.0	mg/Kg	1	4/24/2009 04:28 PM	
Silver	ND	0.017	1.0	mg/Kg	1	4/24/2009 04:28 PM	
Thallium	ND	0.23	1.0	mg/Kg	1	4/24/2009 04:28 PM	
Vanadium	55	0.019	1.0	mg/Kg	1	4/24/2009 04:28 PM	
Zinc	56	0.19	1.0	mg/Kg	1	4/24/2009 04:28 PM	

HEXAVALENT CHROMIUM

EPA 7196A

RunID:	WETCHEM3_090427A	QC Batch:	55023	PrepDate:	4/27/2009	Analyst:	CBB
Chromium, Hexavalent	ND	0.074	0.10	mg/Kg	1	4/27/2009	

DIESEL RANGE ORGANICS BY GC/FID LUFT

EPA 8015B(M)

RunID:	GC8_BACK_090429B	QC Batch:	54920	PrepDate:	4/22/2009	Analyst:	CBR
DRO	ND	10	10	mg/Kg	1	4/30/2009 12:32 PM	
Surr: p-Terphenyl	112	0	57-144	%REC	1	4/30/2009 12:32 PM	

HYDROCARBON CHAIN IDENTIFICATION LUFT

EPA 8015B(M)

RunID:	GC8_BACK_090429B	QC Batch:	54920	PrepDate:	4/22/2009	Analyst:	CBR
T/R Hydrocarbons: C13-C22	ND	10	10	mg/Kg	1	4/30/2009 12:32 PM	
T/R Hydrocarbons: C23-C32	ND	10	10	mg/Kg	1	4/30/2009 12:32 PM	
T/R Hydrocarbons:>C32	ND	10	10	mg/Kg	1	4/30/2009 12:32 PM	
Surr: p-Terphenyl	106	0	57-144	%REC	1	4/30/2009 12:32 PM	

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



Advanced Technology
Laboratories

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Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105148
Project: 207126015
Lab ID: 105148-003A

Client Sample ID: 1001-110-5D-S
Collection Date: 4/21/2009 7:55:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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PCBS BY GC/ECD

EPA 3550B		EPA 8082					
RunID: GC5_090423B	QC Batch: 54965			PrepDate:	4/23/2009	Analyst: BB	
Aroclor 1016	ND	5.0	16	µg/Kg	1	4/24/2009 06:10 AM	
Aroclor 1221	ND	5.0	33	µg/Kg	1	4/24/2009 06:10 AM	
Aroclor 1232	ND	5.0	16	µg/Kg	1	4/24/2009 06:10 AM	
Aroclor 1242	ND	5.0	16	µg/Kg	1	4/24/2009 06:10 AM	
Aroclor 1248	ND	5.0	16	µg/Kg	1	4/24/2009 06:10 AM	
Aroclor 1254	ND	5.0	16	µg/Kg	1	4/24/2009 06:10 AM	
Aroclor 1260	ND	5.0	16	µg/Kg	1	4/24/2009 06:10 AM	
Aroclor 1262	ND	5.0	16	µg/Kg	1	4/24/2009 06:10 AM	
Aroclor 1268	ND	5.0	16	µg/Kg	1	4/24/2009 06:10 AM	
Surr: Decachlorobiphenyl	81.7	0	30-124	%REC	1	4/24/2009 06:10 AM	
Surr: Tetrachloro-m-xylene	105	0	40-118	%REC	1	4/24/2009 06:10 AM	

MERCURY BY COLD VAPOR TECHNIQUE

EPA 7471A							
RunID: AA5_090423B	QC Batch: 54933			PrepDate:	4/23/2009	Analyst: RQ	
Mercury	ND	0.021	0.10	mg/Kg	1	4/23/2009 12:07 PM	

SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3550B		EPA 8270C					
RunID: MS 13_090423A	QC Batch: 54926			PrepDate:	4/22/2009	Analyst: DMP	
1,2,4-Trichlorobenzene	ND	82	330	µg/Kg	1	4/24/2009 03:16 PM	
1,2-Dichlorobenzene	ND	85	330	µg/Kg	1	4/24/2009 03:16 PM	
1,3-Dichlorobenzene	ND	74	330	µg/Kg	1	4/24/2009 03:16 PM	
1,4-Dichlorobenzene	ND	78	330	µg/Kg	1	4/24/2009 03:16 PM	
2,4,5-Trichlorophenol	ND	56	330	µg/Kg	1	4/24/2009 03:16 PM	
2,4,6-Trichlorophenol	ND	78	330	µg/Kg	1	4/24/2009 03:16 PM	
2,4-Dichlorophenol	ND	87	1600	µg/Kg	1	4/24/2009 03:16 PM	
2,4-Dimethylphenol	ND	88	330	µg/Kg	1	4/24/2009 03:16 PM	
2,4-Dinitrophenol	ND	45	1600	µg/Kg	1	4/24/2009 03:16 PM	
2,4-Dinitrotoluene	ND	67	330	µg/Kg	1	4/24/2009 03:16 PM	
2,6-Dinitrotoluene	ND	67	330	µg/Kg	1	4/24/2009 03:16 PM	
2-Chloronaphthalene	ND	70	330	µg/Kg	1	4/24/2009 03:16 PM	
2-Chlorophenol	ND	89	330	µg/Kg	1	4/24/2009 03:16 PM	
2-Methylnaphthalene	ND	78	330	µg/Kg	1	4/24/2009 03:16 PM	
2-Methylphenol	ND	96	330	µg/Kg	1	4/24/2009 03:16 PM	

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105148
Project: 207126015
Lab ID: 105148-003A

Client Sample ID: 1001-110-5D-S
Collection Date: 4/21/2009 7:55:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3550B

EPA 8270C

RunID: MS 13_090423A	QC Batch: 54926	PrepDate: 4/22/2009	Analyst: DMP
2-Nitroaniline	ND 79	1600	µg/Kg 1 4/24/2009 03:16 PM
2-Nitrophenol	ND 70	330	µg/Kg 1 4/24/2009 03:16 PM
3,3'-Dichlorobenzidine	ND 78	660	µg/Kg 1 4/24/2009 03:16 PM
3-Nitroaniline	ND 60	1600	µg/Kg 1 4/24/2009 03:16 PM
4,6-Dinitro-2-methylphenol	ND 63	1600	µg/Kg 1 4/24/2009 03:16 PM
4-Bromophenyl-phenylether	ND 73	330	µg/Kg 1 4/24/2009 03:16 PM
4-Chloro-3-methylphenol	ND 75	660	µg/Kg 1 4/24/2009 03:16 PM
4-Chloroaniline	ND 73	660	µg/Kg 1 4/24/2009 03:16 PM
4-Chlorophenyl-phenylether	ND 70	330	µg/Kg 1 4/24/2009 03:16 PM
4-Methylphenol	ND 79	330	µg/Kg 1 4/24/2009 03:16 PM
4-Nitroaniline	ND 60	1600	µg/Kg 1 4/24/2009 03:16 PM
4-Nitrophenol	ND 71	1600	µg/Kg 1 4/24/2009 03:16 PM
Acenaphthene	ND 70	330	µg/Kg 1 4/24/2009 03:16 PM
Acenaphthylene	ND 69	330	µg/Kg 1 4/24/2009 03:16 PM
Anthracene	ND 76	330	µg/Kg 1 4/24/2009 03:16 PM
Benzdine (M)	ND 71	1600	µg/Kg 1 4/24/2009 03:16 PM
Benzo(a)anthracene	ND 69	330	µg/Kg 1 4/24/2009 03:16 PM
Benzo(a)pyrene	ND 82	330	µg/Kg 1 4/24/2009 03:16 PM
Benzo(b)fluoranthene	ND 70	330	µg/Kg 1 4/24/2009 03:16 PM
Benzo(g,h,i)perylene	ND 71	330	µg/Kg 1 4/24/2009 03:16 PM
Benzo(k)fluoranthene	ND 98	330	µg/Kg 1 4/24/2009 03:16 PM
Benzoic acid	ND 64	1600	µg/Kg 1 4/24/2009 03:16 PM
Benzyl alcohol	ND 86	660	µg/Kg 1 4/24/2009 03:16 PM
Bis(2-chloroethoxy)methane	ND 79	330	µg/Kg 1 4/24/2009 03:16 PM
Bis(2-chloroethyl)ether	ND 81	330	µg/Kg 1 4/24/2009 03:16 PM
Bis(2-chloroisopropyl)ether	ND 91	330	µg/Kg 1 4/24/2009 03:16 PM
Bis(2-ethylhexyl)phthalate	ND 72	330	µg/Kg 1 4/24/2009 03:16 PM
Butylbenzylphthalate	ND 72	330	µg/Kg 1 4/24/2009 03:16 PM
Chrysene	ND 79	330	µg/Kg 1 4/24/2009 03:16 PM
Di-n-butylphthalate	ND 78	330	µg/Kg 1 4/24/2009 03:16 PM
Di-n-octylphthalate	ND 71	330	µg/Kg 1 4/24/2009 03:16 PM
Dibenz(a,h)anthracene	ND 83	330	µg/Kg 1 4/24/2009 03:16 PM
Dibenzofuran	ND 68	330	µg/Kg 1 4/24/2009 03:16 PM
Diethylphthalate	ND 74	330	µg/Kg 1 4/24/2009 03:16 PM
Dimethylphthalate	ND 69	330	µg/Kg 1 4/24/2009 03:16 PM

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Advanced Technology Laboratories**ANALYTICAL RESULTS**

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Lab Order: 105148
Project: 207126015
Lab ID: 105148-003A

Client Sample ID: 1001-110-5D-S
Collection Date: 4/21/2009 7:55:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS**EPA 3550B****EPA 8270C**

RunID: MS 13_090423A	QC Batch: 54926			PrepDate: 4/22/2009	Analyst: DMP
Fluoranthene	ND	73	330	µg/Kg	1 4/24/2009 03:16 PM
Fluorene	ND	69	330	µg/Kg	1 4/24/2009 03:16 PM
Hexachlorobenzene	ND	76	330	µg/Kg	1 4/24/2009 03:16 PM
Hexachlorobutadiene	ND	77	660	µg/Kg	1 4/24/2009 03:16 PM
Hexachlorocyclopentadiene	ND	80	660	µg/Kg	1 4/24/2009 03:16 PM
Hexachloroethane	ND	81	330	µg/Kg	1 4/24/2009 03:16 PM
Indeno(1,2,3-cd)pyrene	ND	69	330	µg/Kg	1 4/24/2009 03:16 PM
Isophorone	ND	85	330	µg/Kg	1 4/24/2009 03:16 PM
N-Nitrosodi-n-propylamine	ND	82	330	µg/Kg	1 4/24/2009 03:16 PM
N-Nitrosodiphenylamine	ND	79	330	µg/Kg	1 4/24/2009 03:16 PM
Naphthalene	ND	86	330	µg/Kg	1 4/24/2009 03:16 PM
Nitrobenzene	ND	82	330	µg/Kg	1 4/24/2009 03:16 PM
Pentachlorophenol	ND	55	1600	µg/Kg	1 4/24/2009 03:16 PM
Phenanthrene	ND	76	330	µg/Kg	1 4/24/2009 03:16 PM
Phenol	ND	95	330	µg/Kg	1 4/24/2009 03:16 PM
Pyrene	ND	77	330	µg/Kg	1 4/24/2009 03:16 PM
Surr: 1,2-Dichlorobenzene-d4	78.1	0	49-103	%REC	1 4/24/2009 03:16 PM
Surr: 2,4,6-Tribromophenol	87.1	0	47-129	%REC	1 4/24/2009 03:16 PM
Surr: 2-Chlorophenol-d4	85.2	0	54-109	%REC	1 4/24/2009 03:16 PM
Surr: 2-Fluorobiphenyl	98.4	0	59-108	%REC	1 4/24/2009 03:16 PM
Surr: 2-Fluorophenol	81.4	0	50-111	%REC	1 4/24/2009 03:16 PM
Surr: 4-Terphenyl-d14	125	0	58-135	%REC	1 4/24/2009 03:16 PM
Surr: Nitrobenzene-d5	87.5	0	54-115	%REC	1 4/24/2009 03:16 PM
Surr: Phenol-d5	90.6	0	58-112	%REC	1 4/24/2009 03:16 PM

PH**EPA 9045C**

RunID: WETCHEM_090423A	QC Batch: R108435			PrepDate:	Analyst: DDL
pH	7.6	0.10	0.10	pH Units	1 4/23/2009

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105148
Project: 207126015
Lab ID: 105148-003B

Client Sample ID: 1001-110-5D-S
Collection Date: 4/21/2009 7:55:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS4_090422A	QC Batch: K09VS061	PrepDate: 4/22/2009	Analyst: HH
1,1,1,2-Tetrachloroethane	ND 1.6	4.7	µg/Kg 1 4/22/2009 01:24 PM
1,1,1-Trichloroethane	ND 0.61	4.7	µg/Kg 1 4/22/2009 01:24 PM
1,1,2,2-Tetrachloroethane	ND 1.5	4.7	µg/Kg 1 4/22/2009 01:24 PM
1,1,2-Trichloroethane	ND 1.5	4.7	µg/Kg 1 4/22/2009 01:24 PM
1,1-Dichloroethane	ND 0.47	4.7	µg/Kg 1 4/22/2009 01:24 PM
1,1-Dichloroethene	ND 1.2	4.7	µg/Kg 1 4/22/2009 01:24 PM
1,1-Dichloropropene	ND 1.4	4.7	µg/Kg 1 4/22/2009 01:24 PM
1,2,3-Trichlorobenzene	ND 0.97	4.7	µg/Kg 1 4/22/2009 01:24 PM
1,2,3-Trichloropropane	ND 0.70	4.7	µg/Kg 1 4/22/2009 01:24 PM
1,2,4-Trichlorobenzene	ND 1.3	4.7	µg/Kg 1 4/22/2009 01:24 PM
1,2,4-Trimethylbenzene	ND 0.81	4.7	µg/Kg 1 4/22/2009 01:24 PM
1,2-Dibromo-3-chloropropane	ND 1.8	9.4	µg/Kg 1 4/22/2009 01:24 PM
1,2-Dibromoethane	ND 1.4	4.7	µg/Kg 1 4/22/2009 01:24 PM
1,2-Dichlorobenzene	ND 0.78	4.7	µg/Kg 1 4/22/2009 01:24 PM
1,2-Dichloroethane	ND 1.1	4.7	µg/Kg 1 4/22/2009 01:24 PM
1,2-Dichloropropane	ND 1.5	4.7	µg/Kg 1 4/22/2009 01:24 PM
1,3,5-Trimethylbenzene	ND 0.94	4.7	µg/Kg 1 4/22/2009 01:24 PM
1,3-Dichlorobenzene	ND 0.95	4.7	µg/Kg 1 4/22/2009 01:24 PM
1,3-Dichloropropane	ND 0.99	4.7	µg/Kg 1 4/22/2009 01:24 PM
1,4-Dichlorobenzene	ND 1.1	4.7	µg/Kg 1 4/22/2009 01:24 PM
2,2-Dichloropropane	ND 0.82	4.7	µg/Kg 1 4/22/2009 01:24 PM
2-Chlorotoluene	ND 0.62	4.7	µg/Kg 1 4/22/2009 01:24 PM
4-Chlorotoluene	ND 0.63	4.7	µg/Kg 1 4/22/2009 01:24 PM
4-Isopropyltoluene	ND 0.54	4.7	µg/Kg 1 4/22/2009 01:24 PM
Benzene	ND 0.77	4.7	µg/Kg 1 4/22/2009 01:24 PM
Bromobenzene	ND 1.5	4.7	µg/Kg 1 4/22/2009 01:24 PM
Bromodichloromethane	ND 0.80	4.7	µg/Kg 1 4/22/2009 01:24 PM
Bromoform	ND 1.1	4.7	µg/Kg 1 4/22/2009 01:24 PM
Bromomethane	ND 0.82	4.7	µg/Kg 1 4/22/2009 01:24 PM
Carbon tetrachloride	ND 1.3	4.7	µg/Kg 1 4/22/2009 01:24 PM
Chlorobenzene	ND 0.84	4.7	µg/Kg 1 4/22/2009 01:24 PM
Chloroethane	ND 1.2	4.7	µg/Kg 1 4/22/2009 01:24 PM
Chloroform	ND 0.58	4.7	µg/Kg 1 4/22/2009 01:24 PM
Chloromethane	ND 0.77	4.7	µg/Kg 1 4/22/2009 01:24 PM
cis-1,2-Dichloroethene	ND 1.1	4.7	µg/Kg 1 4/22/2009 01:24 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105148
Project: 207126015
Lab ID: 105148-003B

Client Sample ID: 1001-110-5D-S
Collection Date: 4/21/2009 7:55:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS4_090422A	QC Batch: K09VS061	PrepDate: 4/22/2009	Analyst: HH
cis-1,3-Dichloropropene	ND 1.2	4.7	µg/Kg 1 4/22/2009 01:24 PM
Dibromochloromethane	ND 0.64	4.7	µg/Kg 1 4/22/2009 01:24 PM
Dibromomethane	ND 1.6	4.7	µg/Kg 1 4/22/2009 01:24 PM
Dichlorodifluoromethane	ND 0.56	4.7	µg/Kg 1 4/22/2009 01:24 PM
Ethylbenzene	ND 0.86	4.7	µg/Kg 1 4/22/2009 01:24 PM
Hexachlorobutadiene	ND 3.2	4.7	µg/Kg 1 4/22/2009 01:24 PM
Isopropylbenzene	ND 1.1	4.7	µg/Kg 1 4/22/2009 01:24 PM
m,p-Xylene	ND 1.6	9.4	µg/Kg 1 4/22/2009 01:24 PM
Methylene chloride	ND 4.7	4.7	µg/Kg 1 4/22/2009 01:24 PM
n-Butylbenzene	ND 0.98	4.7	µg/Kg 1 4/22/2009 01:24 PM
n-Propylbenzene	ND 0.85	4.7	µg/Kg 1 4/22/2009 01:24 PM
Naphthalene	ND 1.6	4.7	µg/Kg 1 4/22/2009 01:24 PM
o-Xylene	ND 0.97	4.7	µg/Kg 1 4/22/2009 01:24 PM
sec-Butylbenzene	ND 0.80	4.7	µg/Kg 1 4/22/2009 01:24 PM
Styrene	ND 0.84	4.7	µg/Kg 1 4/22/2009 01:24 PM
tert-Butylbenzene	ND 0.57	4.7	µg/Kg 1 4/22/2009 01:24 PM
Tetrachloroethene	4.9 0.99	4.7	µg/Kg 1 4/22/2009 01:24 PM
Toluene	ND 0.78	4.7	µg/Kg 1 4/22/2009 01:24 PM
trans-1,2-Dichloroethene	ND 0.93	4.7	µg/Kg 1 4/22/2009 01:24 PM
Trichloroethene	ND 1.9	4.7	µg/Kg 1 4/22/2009 01:24 PM
Trichlorofluoromethane	ND 1.1	4.7	µg/Kg 1 4/22/2009 01:24 PM
Vinyl chloride	ND 0.55	4.7	µg/Kg 1 4/22/2009 01:24 PM
Surr: 1,2-Dichloroethane-d4	125 0	68-147	%REC 1 4/22/2009 01:24 PM
Surr: 4-Bromofluorobenzene	102 0	67-127	%REC 1 4/22/2009 01:24 PM
Surr: Dibromofluoromethane	119 0	72-141	%REC 1 4/22/2009 01:24 PM
Surr: Toluene-d8	108 0	75-120	%REC 1 4/22/2009 01:24 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
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ANALYTICAL RESULTS

Print Date: 01-May-09

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Lab Order: 105148
Project: 207126015
Lab ID: 105148-003E

Client Sample ID: 1001-110-5D-S
Collection Date: 4/21/2009 7:55:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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GASOLINE RANGE ORGANICS BY GC/FID

EPA 8015B(M)

RunID: GC2_090422A	QC Batch: E09VS107	PrepDate: 4/21/2009	Analyst: KHN			
GRO	ND	0.18	1.2	mg/Kg	1	4/22/2009 12:44 PM
Surr: Bromofluorobenzene (FID)	99.3	0	59-145	%REC	1	4/22/2009 12:44 PM

HYDROCARBON CHAIN IDENTIFICATION

EPA 8015B

RunID: GC2_090422A	QC Batch: E09VS107	PrepDate: 4/21/2009	Analyst: KHN			
T/R Hydrocarbons: C4-C12	ND	0.23	1.2	mg/Kg	1	4/22/2009 12:44 PM
Surr: Bromofluorobenzene (FID)	99.3	0	59-145	%REC	1	4/22/2009 12:44 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
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CLIENT: Ninyo & Moore
Lab Order: 105148
Project: 207126015
Lab ID: 105148-004A

Client Sample ID: 1001-110-10-S
Collection Date: 4/21/2009 8:00:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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ICP METALS

EPA 3050B

EPA 6010B

RunID:	ICP8_090424F	QC Batch:	54944	PrepDate:	4/23/2009	Analyst:	CL
Antimony	ND	0.28	2.0	mg/Kg	1	4/24/2009 04:31 PM	
Arsenic	ND	0.27	1.0	mg/Kg	1	4/24/2009 04:31 PM	
Barium	120	0.13	1.0	mg/Kg	1	4/24/2009 04:31 PM	
Beryllium	ND	0.055	1.0	mg/Kg	1	4/24/2009 04:31 PM	
Cadmium	ND	0.0064	1.0	mg/Kg	1	4/24/2009 04:31 PM	
Chromium	17	0.088	1.0	mg/Kg	1	4/24/2009 04:31 PM	
Cobalt	7.4	0.014	1.0	mg/Kg	1	4/24/2009 04:31 PM	
Copper	17	0.26	2.0	mg/Kg	1	4/24/2009 04:31 PM	
Lead	ND	0.11	1.0	mg/Kg	1	4/24/2009 04:31 PM	
Molybdenum	ND	0.043	1.0	mg/Kg	1	4/24/2009 04:31 PM	
Nickel	13	0.032	1.0	mg/Kg	1	4/24/2009 04:31 PM	
Selenium	ND	0.43	1.0	mg/Kg	1	4/24/2009 04:31 PM	
Silver	ND	0.017	1.0	mg/Kg	1	4/24/2009 04:31 PM	
Thallium	ND	0.23	1.0	mg/Kg	1	4/24/2009 04:31 PM	
Vanadium	43	0.019	1.0	mg/Kg	1	4/24/2009 04:31 PM	
Zinc	41	0.19	1.0	mg/Kg	1	4/24/2009 04:31 PM	

HEXAVALENT CHROMIUM

EPA 7196A

RunID:	WETCHEM3_090427A	QC Batch:	55023	PrepDate:	4/27/2009	Analyst:	CBB
Chromium, Hexavalent	ND	0.074	0.10	mg/Kg	1	4/27/2009	

DIESEL RANGE ORGANICS BY GC/FID LUFT

EPA 8015B(M)

RunID:	GC8_BACK_090429B	QC Batch:	54920	PrepDate:	4/22/2009	Analyst:	CBR
DRO	ND	10	10	mg/Kg	1	4/30/2009 12:58 PM	
Surr: p-Terphenyl	97.7	0	57-144	%REC	1	4/30/2009 12:58 PM	

HYDROCARBON CHAIN IDENTIFICATION LUFT

EPA 8015B(M)

RunID:	GC8_BACK_090429B	QC Batch:	54920	PrepDate:	4/22/2009	Analyst:	CBR
T/R Hydrocarbons: C13-C22	ND	10	10	mg/Kg	1	4/30/2009 12:58 PM	
T/R Hydrocarbons: C23-C32	ND	10	10	mg/Kg	1	4/30/2009 12:58 PM	
T/R Hydrocarbons:>C32	ND	10	10	mg/Kg	1	4/30/2009 12:58 PM	
Surr: p-Terphenyl	92.4	0	57-144	%REC	1	4/30/2009 12:58 PM	

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



Advanced Technology
Laboratories

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Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105148
Project: 207126015
Lab ID: 105148-004A

Client Sample ID: 1001-110-10-S
Collection Date: 4/21/2009 8:00:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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PCBS BY GC/ECD

EPA 3550B

EPA 8082

RunID:	QC Batch:	54965	PrepDate:	4/23/2009	Analyst:	BB
Aroclor 1016	ND	5.0	16	µg/Kg	1	4/24/2009 06:39 AM
Aroclor 1221	ND	5.0	33	µg/Kg	1	4/24/2009 06:39 AM
Aroclor 1232	ND	5.0	16	µg/Kg	1	4/24/2009 06:39 AM
Aroclor 1242	ND	5.0	16	µg/Kg	1	4/24/2009 06:39 AM
Aroclor 1248	ND	5.0	16	µg/Kg	1	4/24/2009 06:39 AM
Aroclor 1254	ND	5.0	16	µg/Kg	1	4/24/2009 06:39 AM
Aroclor 1260	ND	5.0	16	µg/Kg	1	4/24/2009 06:39 AM
Aroclor 1262	ND	5.0	16	µg/Kg	1	4/24/2009 06:39 AM
Aroclor 1268	ND	5.0	16	µg/Kg	1	4/24/2009 06:39 AM
Surr: Decachlorobiphenyl	84.9	0	30-124	%REC	1	4/24/2009 06:39 AM
Surr: Tetrachloro-m-xylene	106	0	40-118	%REC	1	4/24/2009 06:39 AM

MERCURY BY COLD VAPOR TECHNIQUE

EPA 7471A

RunID:	QC Batch:	54933	PrepDate:	4/23/2009	Analyst:	RQ
Mercury	ND	0.021	0.10	mg/Kg	1	4/23/2009 12:13 PM

SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3550B

EPA 8270C

RunID:	QC Batch:	54926	PrepDate:	4/22/2009	Analyst:	DMP
1,2,4-Trichlorobenzene	ND	82	330	µg/Kg	1	4/24/2009 03:43 PM
1,2-Dichlorobenzene	ND	85	330	µg/Kg	1	4/24/2009 03:43 PM
1,3-Dichlorobenzene	ND	74	330	µg/Kg	1	4/24/2009 03:43 PM
1,4-Dichlorobenzene	ND	78	330	µg/Kg	1	4/24/2009 03:43 PM
2,4,5-Trichlorophenol	ND	56	330	µg/Kg	1	4/24/2009 03:43 PM
2,4,6-Trichlorophenol	ND	78	330	µg/Kg	1	4/24/2009 03:43 PM
2,4-Dichlorophenol	ND	87	1600	µg/Kg	1	4/24/2009 03:43 PM
2,4-Dimethylphenol	ND	88	330	µg/Kg	1	4/24/2009 03:43 PM
2,4-Dinitrophenol	ND	45	1600	µg/Kg	1	4/24/2009 03:43 PM
2,4-Dinitrotoluene	ND	67	330	µg/Kg	1	4/24/2009 03:43 PM
2,6-Dinitrotoluene	ND	67	330	µg/Kg	1	4/24/2009 03:43 PM
2-Chloronaphthalene	ND	70	330	µg/Kg	1	4/24/2009 03:43 PM
2-Chlorophenol	ND	89	330	µg/Kg	1	4/24/2009 03:43 PM
2-Methylnaphthalene	ND	78	330	µg/Kg	1	4/24/2009 03:43 PM
2-Methylphenol	ND	96	330	µg/Kg	1	4/24/2009 03:43 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
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	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
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Advanced Technology Laboratories**ANALYTICAL RESULTS**

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105148
Project: 207126015
Lab ID: 105148-004A

Client Sample ID: 1001-110-10-S
Collection Date: 4/21/2009 8:00:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS							
EPA 3550B				EPA 8270C			
RunID: MS 13_090423A	QC Batch: 54926			PrepDate:	4/22/2009	Analyst: DMP	
2-Nitroaniline	ND	79	1600	µg/Kg	1	4/24/2009 03:43 PM	
2-Nitrophenol	ND	70	330	µg/Kg	1	4/24/2009 03:43 PM	
3,3'-Dichlorobenzidine	ND	78	660	µg/Kg	1	4/24/2009 03:43 PM	
3-Nitroaniline	ND	60	1600	µg/Kg	1	4/24/2009 03:43 PM	
4,6-Dinitro-2-methylphenol	ND	63	1600	µg/Kg	1	4/24/2009 03:43 PM	
4-Bromophenyl-phenylether	ND	73	330	µg/Kg	1	4/24/2009 03:43 PM	
4-Chloro-3-methylphenol	ND	75	660	µg/Kg	1	4/24/2009 03:43 PM	
4-Chloroaniline	ND	73	660	µg/Kg	1	4/24/2009 03:43 PM	
4-Chlorophenyl-phenylether	ND	70	330	µg/Kg	1	4/24/2009 03:43 PM	
4-Methylphenol	ND	79	330	µg/Kg	1	4/24/2009 03:43 PM	
4-Nitroaniline	ND	60	1600	µg/Kg	1	4/24/2009 03:43 PM	
4-Nitrophenol	ND	71	1600	µg/Kg	1	4/24/2009 03:43 PM	
Acenaphthene	ND	70	330	µg/Kg	1	4/24/2009 03:43 PM	
Acenaphthylene	ND	69	330	µg/Kg	1	4/24/2009 03:43 PM	
Anthracene	ND	76	330	µg/Kg	1	4/24/2009 03:43 PM	
Benzdine (M)	ND	71	1600	µg/Kg	1	4/24/2009 03:43 PM	
Benzo(a)anthracene	ND	69	330	µg/Kg	1	4/24/2009 03:43 PM	
Benzo(a)pyrene	ND	82	330	µg/Kg	1	4/24/2009 03:43 PM	
Benzo(b)fluoranthene	ND	70	330	µg/Kg	1	4/24/2009 03:43 PM	
Benzo(g,h,i)perylene	ND	71	330	µg/Kg	1	4/24/2009 03:43 PM	
Benzo(k)fluoranthene	ND	98	330	µg/Kg	1	4/24/2009 03:43 PM	
Benzoic acid	ND	64	1600	µg/Kg	1	4/24/2009 03:43 PM	
Benzyl alcohol	ND	86	660	µg/Kg	1	4/24/2009 03:43 PM	
Bis(2-chloroethoxy)methane	ND	79	330	µg/Kg	1	4/24/2009 03:43 PM	
Bis(2-chloroethyl)ether	ND	81	330	µg/Kg	1	4/24/2009 03:43 PM	
Bis(2-chloroisopropyl)ether	ND	91	330	µg/Kg	1	4/24/2009 03:43 PM	
Bis(2-ethylhexyl)phthalate	ND	72	330	µg/Kg	1	4/24/2009 03:43 PM	
Butylbenzylphthalate	ND	72	330	µg/Kg	1	4/24/2009 03:43 PM	
Chrysene	ND	79	330	µg/Kg	1	4/24/2009 03:43 PM	
Di-n-butylphthalate	ND	78	330	µg/Kg	1	4/24/2009 03:43 PM	
Di-n-octylphthalate	ND	71	330	µg/Kg	1	4/24/2009 03:43 PM	
Dibenz(a,h)anthracene	ND	83	330	µg/Kg	1	4/24/2009 03:43 PM	
Dibenzofuran	ND	68	330	µg/Kg	1	4/24/2009 03:43 PM	
Diethylphthalate	ND	74	330	µg/Kg	1	4/24/2009 03:43 PM	
Dimethylphthalate	ND	69	330	µg/Kg	1	4/24/2009 03:43 PM	

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105148
Project: 207126015
Lab ID: 105148-004A

Client Sample ID: 1001-110-10-S
Collection Date: 4/21/2009 8:00:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3550B

EPA 8270C

RunID: MS 13_090423A	QC Batch: 54926	PrepDate: 4/22/2009	Analyst: DMP
Fluoranthene	ND	73	330
Fluorene	ND	69	330
Hexachlorobenzene	ND	76	330
Hexachlorobutadiene	ND	77	660
Hexachlorocyclopentadiene	ND	80	660
Hexachloroethane	ND	81	330
Indeno(1,2,3-cd)pyrene	ND	69	330
Isophorone	ND	85	330
N-Nitrosodi-n-propylamine	ND	82	330
N-Nitrosodiphenylamine	ND	79	330
Naphthalene	ND	86	330
Nitrobenzene	ND	82	330
Pentachlorophenol	ND	55	1600
Phenanthrene	ND	76	330
Phenol	ND	95	330
Pyrene	ND	77	330
Surr: 1,2-Dichlorobenzene-d4	80.4	0	49-103
Surr: 2,4,6-Tribromophenol	83.6	0	47-129
Surr: 2-Chlorophenol-d4	84.6	0	54-109
Surr: 2-Fluorobiphenyl	95.9	0	59-108
Surr: 2-Fluorophenol	82.2	0	50-111
Surr: 4-Terphenyl-d14	125	0	58-135
Surr: Nitrobenzene-d5	88.3	0	54-115
Surr: Phenol-d5	89.0	0	58-112

PH

EPA 9045C

RunID: WETCHEM_090423A	QC Batch: R108435	PrepDate:	Analyst: DDL
pH	8.4	0.10	0.10

Qualifiers: B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interference
DO Surrogate Diluted Out

E Value above quantitation range
ND Not Detected at the Reporting Limit
Results are wet unless otherwise specified



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Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105148
Project: 207126015
Lab ID: 105148-004B

Client Sample ID: 1001-110-10-S
Collection Date: 4/21/2009 8:00:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS4_090422A	QC Batch: K09VS061	PrepDate: 4/22/2009	Analyst: HH
1,1,1,2-Tetrachloroethane	ND 1.6	4.5	µg/Kg 1 4/22/2009 01:41 PM
1,1,1-Trichloroethane	ND 0.58	4.5	µg/Kg 1 4/22/2009 01:41 PM
1,1,2,2-Tetrachloroethane	ND 1.4	4.5	µg/Kg 1 4/22/2009 01:41 PM
1,1,2-Trichloroethane	ND 1.5	4.5	µg/Kg 1 4/22/2009 01:41 PM
1,1-Dichloroethane	ND 0.45	4.5	µg/Kg 1 4/22/2009 01:41 PM
1,1-Dichloroethene	ND 1.1	4.5	µg/Kg 1 4/22/2009 01:41 PM
1,1-Dichloropropene	ND 1.4	4.5	µg/Kg 1 4/22/2009 01:41 PM
1,2,3-Trichlorobenzene	ND 0.93	4.5	µg/Kg 1 4/22/2009 01:41 PM
1,2,3-Trichloropropane	ND 0.68	4.5	µg/Kg 1 4/22/2009 01:41 PM
1,2,4-Trichlorobenzene	ND 1.2	4.5	µg/Kg 1 4/22/2009 01:41 PM
1,2,4-Trimethylbenzene	ND 0.77	4.5	µg/Kg 1 4/22/2009 01:41 PM
1,2-Dibromo-3-chloropropane	ND 1.7	9.0	µg/Kg 1 4/22/2009 01:41 PM
1,2-Dibromoethane	ND 1.3	4.5	µg/Kg 1 4/22/2009 01:41 PM
1,2-Dichlorobenzene	ND 0.75	4.5	µg/Kg 1 4/22/2009 01:41 PM
1,2-Dichloroethane	ND 1.1	4.5	µg/Kg 1 4/22/2009 01:41 PM
1,2-Dichloropropane	ND 1.4	4.5	µg/Kg 1 4/22/2009 01:41 PM
1,3,5-Trimethylbenzene	ND 0.90	4.5	µg/Kg 1 4/22/2009 01:41 PM
1,3-Dichlorobenzene	ND 0.91	4.5	µg/Kg 1 4/22/2009 01:41 PM
1,3-Dichloropropane	ND 0.95	4.5	µg/Kg 1 4/22/2009 01:41 PM
1,4-Dichlorobenzene	ND 1.1	4.5	µg/Kg 1 4/22/2009 01:41 PM
2,2-Dichloropropane	ND 0.78	4.5	µg/Kg 1 4/22/2009 01:41 PM
2-Chlorotoluene	ND 0.59	4.5	µg/Kg 1 4/22/2009 01:41 PM
4-Chlorotoluene	ND 0.61	4.5	µg/Kg 1 4/22/2009 01:41 PM
4-Isopropyltoluene	ND 0.52	4.5	µg/Kg 1 4/22/2009 01:41 PM
Benzene	ND 0.74	4.5	µg/Kg 1 4/22/2009 01:41 PM
Bromobenzene	ND 1.4	4.5	µg/Kg 1 4/22/2009 01:41 PM
Bromodichloromethane	ND 0.77	4.5	µg/Kg 1 4/22/2009 01:41 PM
Bromoform	ND 1.1	4.5	µg/Kg 1 4/22/2009 01:41 PM
Bromomethane	ND 0.79	4.5	µg/Kg 1 4/22/2009 01:41 PM
Carbon tetrachloride	ND 1.2	4.5	µg/Kg 1 4/22/2009 01:41 PM
Chlorobenzene	ND 0.81	4.5	µg/Kg 1 4/22/2009 01:41 PM
Chloroethane	ND 1.2	4.5	µg/Kg 1 4/22/2009 01:41 PM
Chloroform	ND 0.56	4.5	µg/Kg 1 4/22/2009 01:41 PM
Chloromethane	ND 0.74	4.5	µg/Kg 1 4/22/2009 01:41 PM
cis-1,2-Dichloroethene	ND 1.1	4.5	µg/Kg 1 4/22/2009 01:41 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105148
Project: 207126015
Lab ID: 105148-004B

Client Sample ID: 1001-110-10-S
Collection Date: 4/21/2009 8:00:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS4_090422A	QC Batch: K09VS061	PrepDate: 4/22/2009	Analyst: HH
cis-1,3-Dichloropropene	ND 1.1	4.5	µg/Kg 1 4/22/2009 01:41 PM
Dibromochloromethane	ND 0.61	4.5	µg/Kg 1 4/22/2009 01:41 PM
Dibromomethane	ND 1.5	4.5	µg/Kg 1 4/22/2009 01:41 PM
Dichlorodifluoromethane	ND 0.54	4.5	µg/Kg 1 4/22/2009 01:41 PM
Ethylbenzene	ND 0.82	4.5	µg/Kg 1 4/22/2009 01:41 PM
Hexachlorobutadiene	ND 3.1	4.5	µg/Kg 1 4/22/2009 01:41 PM
Isopropylbenzene	ND 1.1	4.5	µg/Kg 1 4/22/2009 01:41 PM
m,p-Xylene	ND 1.5	9.0	µg/Kg 1 4/22/2009 01:41 PM
Methylene chloride	ND 4.5	4.5	µg/Kg 1 4/22/2009 01:41 PM
n-Butylbenzene	ND 0.94	4.5	µg/Kg 1 4/22/2009 01:41 PM
n-Propylbenzene	ND 0.81	4.5	µg/Kg 1 4/22/2009 01:41 PM
Naphthalene	ND 1.5	4.5	µg/Kg 1 4/22/2009 01:41 PM
o-Xylene	ND 0.93	4.5	µg/Kg 1 4/22/2009 01:41 PM
sec-Butylbenzene	ND 0.77	4.5	µg/Kg 1 4/22/2009 01:41 PM
Styrene	ND 0.81	4.5	µg/Kg 1 4/22/2009 01:41 PM
tert-Butylbenzene	ND 0.55	4.5	µg/Kg 1 4/22/2009 01:41 PM
Tetrachloroethene	ND 0.95	4.5	µg/Kg 1 4/22/2009 01:41 PM
Toluene	ND 0.75	4.5	µg/Kg 1 4/22/2009 01:41 PM
trans-1,2-Dichloroethene	ND 0.89	4.5	µg/Kg 1 4/22/2009 01:41 PM
Trichloroethene	ND 1.8	4.5	µg/Kg 1 4/22/2009 01:41 PM
Trichlorofluoromethane	ND 1.0	4.5	µg/Kg 1 4/22/2009 01:41 PM
Vinyl chloride	ND 0.53	4.5	µg/Kg 1 4/22/2009 01:41 PM
Surr: 1,2-Dichloroethane-d4	111 0	68-147	%REC 1 4/22/2009 01:41 PM
Surr: 4-Bromofluorobenzene	102 0	67-127	%REC 1 4/22/2009 01:41 PM
Surr: Dibromofluoromethane	110 0	72-141	%REC 1 4/22/2009 01:41 PM
Surr: Toluene-d8	104 0	75-120	%REC 1 4/22/2009 01:41 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105148
Project: 207126015
Lab ID: 105148-004E

Client Sample ID: 1001-110-10-S
Collection Date: 4/21/2009 8:00:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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GASOLINE RANGE ORGANICS BY GC/FID

EPA 8015B(M)

RunID: GC2_090422A	QC Batch: E09VS107	PrepDate: 4/21/2009	Analyst: KHN			
GRO	ND	0.14	0.94	mg/Kg	1	4/22/2009 01:00 PM
Surr: Bromofluorobenzene (FID)	113	0	59-145	%REC	1	4/22/2009 01:00 PM

HYDROCARBON CHAIN IDENTIFICATION

EPA 8015B

RunID: GC2_090422A	QC Batch: E09VS107	PrepDate: 4/21/2009	Analyst: KHN			
T/R Hydrocarbons: C4-C12	ND	0.18	0.94	mg/Kg	1	4/22/2009 01:00 PM
Surr: Bromofluorobenzene (FID)	113	0	59-145	%REC	1	4/22/2009 01:00 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105148
Project: 207126015
Lab ID: 105148-005A

Client Sample ID: 1001-110-20-S
Collection Date: 4/21/2009 8:10:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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ICP METALS

EPA 3050B

EPA 6010B

RunID:	ICP8_090424F	QC Batch:	54944	PrepDate:	4/23/2009	Analyst:	CL
Antimony	ND	0.28	2.0	mg/Kg	1	4/24/2009 04:34 PM	
Arsenic	ND	0.27	1.0	mg/Kg	1	4/24/2009 04:34 PM	
Barium	75	0.13	1.0	mg/Kg	1	4/24/2009 04:34 PM	
Beryllium	ND	0.055	1.0	mg/Kg	1	4/24/2009 04:34 PM	
Cadmium	ND	0.0064	1.0	mg/Kg	1	4/24/2009 04:34 PM	
Chromium	9.7	0.088	1.0	mg/Kg	1	4/24/2009 04:34 PM	
Cobalt	4.3	0.014	1.0	mg/Kg	1	4/24/2009 04:34 PM	
Copper	12	0.26	2.0	mg/Kg	1	4/24/2009 04:34 PM	
Lead	ND	0.11	1.0	mg/Kg	1	4/24/2009 04:34 PM	
Molybdenum	ND	0.043	1.0	mg/Kg	1	4/24/2009 04:34 PM	
Nickel	7.0	0.032	1.0	mg/Kg	1	4/24/2009 04:34 PM	
Selenium	ND	0.43	1.0	mg/Kg	1	4/24/2009 04:34 PM	
Silver	ND	0.017	1.0	mg/Kg	1	4/24/2009 04:34 PM	
Thallium	ND	0.23	1.0	mg/Kg	1	4/24/2009 04:34 PM	
Vanadium	28	0.019	1.0	mg/Kg	1	4/24/2009 04:34 PM	
Zinc	24	0.19	1.0	mg/Kg	1	4/24/2009 04:34 PM	

HEXAVALENT CHROMIUM

EPA 7196A

RunID:	WETCHEM3_090427A	QC Batch:	55023	PrepDate:	4/27/2009	Analyst:	CBB
Chromium, Hexavalent	ND	0.074	0.10	mg/Kg	1	4/27/2009	

DIESEL RANGE ORGANICS BY GC/FID LUFT

EPA 8015B(M)

RunID:	GC8_BACK_090429B	QC Batch:	54920	PrepDate:	4/22/2009	Analyst:	CBR
DRO	ND	10	10	mg/Kg	1	4/30/2009 01:25 PM	
Surr: p-Terphenyl	97.9	0	57-144	%REC	1	4/30/2009 01:25 PM	

HYDROCARBON CHAIN IDENTIFICATION LUFT

EPA 8015B(M)

RunID:	GC8_BACK_090429B	QC Batch:	54920	PrepDate:	4/22/2009	Analyst:	CBR
T/R Hydrocarbons: C13-C22	ND	10	10	mg/Kg	1	4/30/2009 01:25 PM	
T/R Hydrocarbons: C23-C32	ND	10	10	mg/Kg	1	4/30/2009 01:25 PM	
T/R Hydrocarbons:>C32	ND	10	10	mg/Kg	1	4/30/2009 01:25 PM	
Surr: p-Terphenyl	93.0	0	57-144	%REC	1	4/30/2009 01:25 PM	

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105148
Project: 207126015
Lab ID: 105148-005A

Client Sample ID: 1001-110-20-S
Collection Date: 4/21/2009 8:10:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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PCBS BY GC/ECD

EPA 3550B		EPA 8082	
RunID: GC5_090423B	QC Batch: 54965	PrepDate: 4/23/2009	Analyst: BB
Aroclor 1016	ND 5.0	16	µg/Kg 1 4/24/2009 07:09 AM
Aroclor 1221	ND 5.0	33	µg/Kg 1 4/24/2009 07:09 AM
Aroclor 1232	ND 5.0	16	µg/Kg 1 4/24/2009 07:09 AM
Aroclor 1242	ND 5.0	16	µg/Kg 1 4/24/2009 07:09 AM
Aroclor 1248	ND 5.0	16	µg/Kg 1 4/24/2009 07:09 AM
Aroclor 1254	ND 5.0	16	µg/Kg 1 4/24/2009 07:09 AM
Aroclor 1260	ND 5.0	16	µg/Kg 1 4/24/2009 07:09 AM
Aroclor 1262	ND 5.0	16	µg/Kg 1 4/24/2009 07:09 AM
Aroclor 1268	ND 5.0	16	µg/Kg 1 4/24/2009 07:09 AM
Surr: Decachlorobiphenyl	79.9 0	30-124	%REC 1 4/24/2009 07:09 AM
Surr: Tetrachloro-m-xylene	92.0 0	40-118	%REC 1 4/24/2009 07:09 AM

MERCURY BY COLD VAPOR TECHNIQUE

EPA 7471A	
RunID: AA5_090423B	QC Batch: 54933
PrepDate: 4/23/2009	Analyst: RQ
Mercury	ND 0.021 0.10 mg/Kg 1 4/23/2009 12:15 PM

SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3550B		EPA 8270C	
RunID: MS6_090423A	QC Batch: 54928	PrepDate: 4/22/2009	Analyst: DMP
1,2,4-Trichlorobenzene	ND 82	330	µg/Kg 1 4/23/2009 05:44 PM
1,2-Dichlorobenzene	ND 85	330	µg/Kg 1 4/23/2009 05:44 PM
1,3-Dichlorobenzene	ND 74	330	µg/Kg 1 4/23/2009 05:44 PM
1,4-Dichlorobenzene	ND 78	330	µg/Kg 1 4/23/2009 05:44 PM
2,4,5-Trichlorophenol	ND 56	330	µg/Kg 1 4/23/2009 05:44 PM
2,4,6-Trichlorophenol	ND 78	330	µg/Kg 1 4/23/2009 05:44 PM
2,4-Dichlorophenol	ND 87	1600	µg/Kg 1 4/23/2009 05:44 PM
2,4-Dimethylphenol	ND 88	330	µg/Kg 1 4/23/2009 05:44 PM
2,4-Dinitrophenol	ND 45	1600	µg/Kg 1 4/23/2009 05:44 PM
2,4-Dinitrotoluene	ND 67	330	µg/Kg 1 4/23/2009 05:44 PM
2,6-Dinitrotoluene	ND 67	330	µg/Kg 1 4/23/2009 05:44 PM
2-Chloronaphthalene	ND 70	330	µg/Kg 1 4/23/2009 05:44 PM
2-Chlorophenol	ND 89	330	µg/Kg 1 4/23/2009 05:44 PM
2-Methylnaphthalene	ND 78	330	µg/Kg 1 4/23/2009 05:44 PM
2-Methylphenol	ND 96	330	µg/Kg 1 4/23/2009 05:44 PM

Qualifiers: B Analyte detected in the associated Method Blank E Value above quantitation range
H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit
S Spike/Surrogate outside of limits due to matrix interference Results are wet unless otherwise specified
DO Surrogate Diluted Out



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105148
Project: 207126015
Lab ID: 105148-005A

Client Sample ID: 1001-110-20-S
Collection Date: 4/21/2009 8:10:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3550B

EPA 8270C

RunID: MS6_090423A	QC Batch: 54928	PrepDate: 4/22/2009	Analyst: DMP
2-Nitroaniline	ND	79	1600
2-Nitrophenol	ND	70	330
3,3'-Dichlorobenzidine	ND	78	660
3-Nitroaniline	ND	60	1600
4,6-Dinitro-2-methylphenol	ND	63	1600
4-Bromophenyl-phenylether	ND	73	330
4-Chloro-3-methylphenol	ND	75	660
4-Chloroaniline	ND	73	660
4-Chlorophenyl-phenylether	ND	70	330
4-Methylphenol	ND	79	330
4-Nitroaniline	ND	60	1600
4-Nitrophenol	ND	71	1600
Acenaphthene	ND	70	330
Acenaphthylene	ND	69	330
Anthracene	ND	76	330
Benzidine (M)	ND	71	1600
Benzo(a)anthracene	ND	69	330
Benzo(a)pyrene	ND	82	330
Benzo(b)fluoranthene	ND	70	330
Benzo(g,h,i)perylene	ND	71	330
Benzo(k)fluoranthene	ND	98	330
Benzoic acid	ND	64	1600
Benzyl alcohol	ND	86	660
Bis(2-chloroethoxy)methane	ND	79	330
Bis(2-chloroethyl)ether	ND	81	330
Bis(2-chloroisopropyl)ether	ND	91	330
Bis(2-ethylhexyl)phthalate	ND	72	330
Butylbenzylphthalate	ND	72	330
Chrysene	ND	79	330
Di-n-butylphthalate	ND	78	330
Di-n-octylphthalate	ND	71	330
Dibenz(a,h)anthracene	ND	83	330
Dibenzofuran	ND	68	330
Diethylphthalate	ND	74	330
Dimethylphthalate	ND	69	330

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105148
Project: 207126015
Lab ID: 105148-005A

Client Sample ID: 1001-110-20-S
Collection Date: 4/21/2009 8:10:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3550B

EPA 8270C

RunID: MS6_090423A	QC Batch: 54928	PrepDate: 4/22/2009	Analyst: DMP
Fluoranthene	ND	73	330
Fluorene	ND	69	330
Hexachlorobenzene	ND	76	330
Hexachlorobutadiene	ND	77	660
Hexachlorocyclopentadiene	ND	80	660
Hexachloroethane	ND	81	330
Indeno(1,2,3-cd)pyrene	ND	69	330
Isophorone	ND	85	330
N-Nitrosodi-n-propylamine	ND	82	330
N-Nitrosodiphenylamine	ND	79	330
Naphthalene	ND	86	330
Nitrobenzene	ND	82	330
Pentachlorophenol	ND	55	1600
Phenanthrene	ND	76	330
Phenol	ND	95	330
Pyrene	ND	77	330
Surr: 1,2-Dichlorobenzene-d4	66.6	0	49-103
Surr: 2,4,6-Tribromophenol	86.2	0	47-129
Surr: 2-Chlorophenol-d4	74.3	0	54-109
Surr: 2-Fluorobiphenyl	82.1	0	59-108
Surr: 2-Fluorophenol	74.9	0	50-111
Surr: 4-Terphenyl-d14	96.5	0	58-135
Surr: Nitrobenzene-d5	85.4	0	54-115
Surr: Phenol-d5	77.9	0	58-112

PH

EPA 9045C

RunID: WETCHEM_090423A	QC Batch: R108435	PrepDate:	Analyst: DDL
pH	8.2	0.10	0.10

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105148
Project: 207126015
Lab ID: 105148-005B

Client Sample ID: 1001-110-20-S
Collection Date: 4/21/2009 8:10:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS4_090422A	QC Batch: K09VS061	PrepDate: 4/22/2009	Analyst: HH
1,1,1,2-Tetrachloroethane	ND 1.8	5.2	µg/Kg 1 4/22/2009 01:58 PM
1,1,1-Trichloroethane	ND 0.67	5.2	µg/Kg 1 4/22/2009 01:58 PM
1,1,2,2-Tetrachloroethane	ND 1.6	5.2	µg/Kg 1 4/22/2009 01:58 PM
1,1,2-Trichloroethane	ND 1.7	5.2	µg/Kg 1 4/22/2009 01:58 PM
1,1-Dichloroethane	ND 0.52	5.2	µg/Kg 1 4/22/2009 01:58 PM
1,1-Dichloroethene	ND 1.3	5.2	µg/Kg 1 4/22/2009 01:58 PM
1,1-Dichloropropene	ND 1.6	5.2	µg/Kg 1 4/22/2009 01:58 PM
1,2,3-Trichlorobenzene	ND 1.1	5.2	µg/Kg 1 4/22/2009 01:58 PM
1,2,3-Trichloropropane	ND 0.78	5.2	µg/Kg 1 4/22/2009 01:58 PM
1,2,4-Trichlorobenzene	ND 1.4	5.2	µg/Kg 1 4/22/2009 01:58 PM
1,2,4-Trimethylbenzene	ND 0.89	5.2	µg/Kg 1 4/22/2009 01:58 PM
1,2-Dibromo-3-chloropropane	ND 2.0	10	µg/Kg 1 4/22/2009 01:58 PM
1,2-Dibromoethane	ND 1.5	5.2	µg/Kg 1 4/22/2009 01:58 PM
1,2-Dichlorobenzene	ND 0.86	5.2	µg/Kg 1 4/22/2009 01:58 PM
1,2-Dichloroethane	ND 1.2	5.2	µg/Kg 1 4/22/2009 01:58 PM
1,2-Dichloropropane	ND 1.6	5.2	µg/Kg 1 4/22/2009 01:58 PM
1,3,5-Trimethylbenzene	ND 1.0	5.2	µg/Kg 1 4/22/2009 01:58 PM
1,3-Dichlorobenzene	ND 1.0	5.2	µg/Kg 1 4/22/2009 01:58 PM
1,3-Dichloropropane	ND 1.1	5.2	µg/Kg 1 4/22/2009 01:58 PM
1,4-Dichlorobenzene	ND 1.2	5.2	µg/Kg 1 4/22/2009 01:58 PM
2,2-Dichloropropane	ND 0.91	5.2	µg/Kg 1 4/22/2009 01:58 PM
2-Chlorotoluene	ND 0.69	5.2	µg/Kg 1 4/22/2009 01:58 PM
4-Chlorotoluene	ND 0.70	5.2	µg/Kg 1 4/22/2009 01:58 PM
4-Isopropyltoluene	ND 0.59	5.2	µg/Kg 1 4/22/2009 01:58 PM
Benzene	ND 0.85	5.2	µg/Kg 1 4/22/2009 01:58 PM
Bromobenzene	ND 1.6	5.2	µg/Kg 1 4/22/2009 01:58 PM
Bromodichloromethane	ND 0.89	5.2	µg/Kg 1 4/22/2009 01:58 PM
Bromoform	ND 1.3	5.2	µg/Kg 1 4/22/2009 01:58 PM
Bromomethane	ND 0.91	5.2	µg/Kg 1 4/22/2009 01:58 PM
Carbon tetrachloride	ND 1.4	5.2	µg/Kg 1 4/22/2009 01:58 PM
Chlorobenzene	ND 0.93	5.2	µg/Kg 1 4/22/2009 01:58 PM
Chloroethane	ND 1.4	5.2	µg/Kg 1 4/22/2009 01:58 PM
Chloroform	ND 0.64	5.2	µg/Kg 1 4/22/2009 01:58 PM
Chloromethane	ND 0.85	5.2	µg/Kg 1 4/22/2009 01:58 PM
cis-1,2-Dichloroethene	ND 1.3	5.2	µg/Kg 1 4/22/2009 01:58 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105148
Project: 207126015
Lab ID: 105148-005B

Client Sample ID: 1001-110-20-S
Collection Date: 4/21/2009 8:10:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS4_090422A	QC Batch: K09VS061	PrepDate: 4/22/2009	Analyst: HH
cis-1,3-Dichloropropene	ND 1.3	5.2	µg/Kg 1 4/22/2009 01:58 PM
Dibromochloromethane	ND 0.71	5.2	µg/Kg 1 4/22/2009 01:58 PM
Dibromomethane	ND 1.8	5.2	µg/Kg 1 4/22/2009 01:58 PM
Dichlorodifluoromethane	ND 0.62	5.2	µg/Kg 1 4/22/2009 01:58 PM
Ethylbenzene	ND 0.95	5.2	µg/Kg 1 4/22/2009 01:58 PM
Hexachlorobutadiene	ND 3.5	5.2	µg/Kg 1 4/22/2009 01:58 PM
Isopropylbenzene	ND 1.3	5.2	µg/Kg 1 4/22/2009 01:58 PM
m,p-Xylene	ND 1.8	10	µg/Kg 1 4/22/2009 01:58 PM
Methylene chloride	ND 5.2	5.2	µg/Kg 1 4/22/2009 01:58 PM
n-Butylbenzene	ND 1.1	5.2	µg/Kg 1 4/22/2009 01:58 PM
n-Propylbenzene	ND 0.94	5.2	µg/Kg 1 4/22/2009 01:58 PM
Naphthalene	ND 1.7	5.2	µg/Kg 1 4/22/2009 01:58 PM
o-Xylene	ND 1.1	5.2	µg/Kg 1 4/22/2009 01:58 PM
sec-Butylbenzene	ND 0.89	5.2	µg/Kg 1 4/22/2009 01:58 PM
Styrene	ND 0.93	5.2	µg/Kg 1 4/22/2009 01:58 PM
tert-Butylbenzene	ND 0.63	5.2	µg/Kg 1 4/22/2009 01:58 PM
Tetrachloroethene	ND 1.1	5.2	µg/Kg 1 4/22/2009 01:58 PM
Toluene	ND 0.86	5.2	µg/Kg 1 4/22/2009 01:58 PM
trans-1,2-Dichloroethene	ND 1.0	5.2	µg/Kg 1 4/22/2009 01:58 PM
Trichloroethene	ND 2.0	5.2	µg/Kg 1 4/22/2009 01:58 PM
Trichlorofluoromethane	ND 1.2	5.2	µg/Kg 1 4/22/2009 01:58 PM
Vinyl chloride	ND 0.61	5.2	µg/Kg 1 4/22/2009 01:58 PM
Surr: 1,2-Dichloroethane-d4	116 0	68-147	%REC 1 4/22/2009 01:58 PM
Surr: 4-Bromofluorobenzene	106 0	67-127	%REC 1 4/22/2009 01:58 PM
Surr: Dibromofluoromethane	113 0	72-141	%REC 1 4/22/2009 01:58 PM
Surr: Toluene-d8	114 0	75-120	%REC 1 4/22/2009 01:58 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105148
Project: 207126015
Lab ID: 105148-005E

Client Sample ID: 1001-110-20-S
Collection Date: 4/21/2009 8:10:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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GASOLINE RANGE ORGANICS BY GC/FID

EPA 8015B(M)

RunID: GC2_090422A	QC Batch: E09VS107	PrepDate: 4/21/2009	Analyst: KHN		
GRO	ND 0.13	0.89	mg/Kg	1	4/22/2009 01:15 PM
Surr: Bromofluorobenzene (FID)	116 0	59-145	%REC	1	4/22/2009 01:15 PM

HYDROCARBON CHAIN IDENTIFICATION

EPA 8015B

RunID: GC2_090422A	QC Batch: E09VS107	PrepDate: 4/21/2009	Analyst: KHN		
T/R Hydrocarbons: C4-C12	ND 0.17	0.89	mg/Kg	1	4/22/2009 01:15 PM
Surr: Bromofluorobenzene (FID)	116 0	59-145	%REC	1	4/22/2009 01:15 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105148
Project: 207126015
Lab ID: 105148-006A

Client Sample ID: 1001-109-2-S
Collection Date: 4/21/2009 8:20:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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ICP METALS

EPA 3050B

EPA 6010B

RunID:	ICP8_090424F	QC Batch:	54944	PrepDate:	4/23/2009	Analyst:	CL
Antimony	ND	0.28	2.0	mg/Kg	1	4/24/2009 04:36 PM	
Arsenic	20	0.27	1.0	mg/Kg	1	4/24/2009 04:36 PM	
Barium	150	0.13	1.0	mg/Kg	1	4/24/2009 04:36 PM	
Beryllium	ND	0.055	1.0	mg/Kg	1	4/24/2009 04:36 PM	
Cadmium	ND	0.0064	1.0	mg/Kg	1	4/24/2009 04:36 PM	
Chromium	19	0.088	1.0	mg/Kg	1	4/24/2009 04:36 PM	
Cobalt	8.2	0.014	1.0	mg/Kg	1	4/24/2009 04:36 PM	
Copper	20	0.26	2.0	mg/Kg	1	4/24/2009 04:36 PM	
Lead	ND	0.11	1.0	mg/Kg	1	4/24/2009 04:36 PM	
Molybdenum	ND	0.043	1.0	mg/Kg	1	4/24/2009 04:36 PM	
Nickel	14	0.032	1.0	mg/Kg	1	4/24/2009 04:36 PM	
Selenium	ND	0.43	1.0	mg/Kg	1	4/24/2009 04:36 PM	
Silver	ND	0.017	1.0	mg/Kg	1	4/24/2009 04:36 PM	
Thallium	ND	0.23	1.0	mg/Kg	1	4/24/2009 04:36 PM	
Vanadium	46	0.019	1.0	mg/Kg	1	4/24/2009 04:36 PM	
Zinc	49	0.19	1.0	mg/Kg	1	4/24/2009 04:36 PM	

HEXAVALENT CHROMIUM

EPA 7196A

RunID:	WETCHEM3_090427A	QC Batch:	55023	PrepDate:	4/27/2009	Analyst:	CBB
Chromium, Hexavalent	ND	0.074	0.10	mg/Kg	1	4/27/2009	

DIESEL RANGE ORGANICS BY GC/FID LUFT

EPA 8015B(M)

RunID:	GC8_BACK_090429B	QC Batch:	54920	PrepDate:	4/22/2009	Analyst:	CBR
DRO	89	10	10	mg/Kg	1	4/30/2009 01:52 PM	
Surr: p-Terphenyl	94.0	0	57-144	%REC	1	4/30/2009 01:52 PM	

HYDROCARBON CHAIN IDENTIFICATION LUFT

EPA 8015B(M)

RunID:	GC8_BACK_090429B	QC Batch:	54920	PrepDate:	4/22/2009	Analyst:	CBR
T/R Hydrocarbons: C13-C22	27	10	10	mg/Kg	1	4/30/2009 01:52 PM	
T/R Hydrocarbons: C23-C32	170	10	10	mg/Kg	1	4/30/2009 01:52 PM	
T/R Hydrocarbons:>C32	350	10	10	mg/Kg	1	4/30/2009 01:52 PM	
Surr: p-Terphenyl	94.0	0	57-144	%REC	1	4/30/2009 01:52 PM	

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



Advanced Technology
Laboratories

3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562.989.4045 Fax: 562.989.4040

Advanced Technology Laboratories**ANALYTICAL RESULTS**

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105148
Project: 207126015
Lab ID: 105148-006A

Client Sample ID: 1001-109-2-S
Collection Date: 4/21/2009 8:20:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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PCBS BY GC/ECD**EPA 3550B****EPA 8082**

RunID: GC5_090423B	QC Batch: 54965			PrepDate: 4/23/2009	Analyst: BB
Aroclor 1016	ND	5.0	16	µg/Kg	1 4/24/2009 07:39 AM
Aroclor 1221	ND	5.0	33	µg/Kg	1 4/24/2009 07:39 AM
Aroclor 1232	ND	5.0	16	µg/Kg	1 4/24/2009 07:39 AM
Aroclor 1242	ND	5.0	16	µg/Kg	1 4/24/2009 07:39 AM
Aroclor 1248	ND	5.0	16	µg/Kg	1 4/24/2009 07:39 AM
Aroclor 1254	ND	5.0	16	µg/Kg	1 4/24/2009 07:39 AM
Aroclor 1260	ND	5.0	16	µg/Kg	1 4/24/2009 07:39 AM
Aroclor 1262	ND	5.0	16	µg/Kg	1 4/24/2009 07:39 AM
Aroclor 1268	ND	5.0	16	µg/Kg	1 4/24/2009 07:39 AM
Surr: Decachlorobiphenyl	76.4	0	30-124	%REC	1 4/24/2009 07:39 AM
Surr: Tetrachloro-m-xylene	97.5	0	40-118	%REC	1 4/24/2009 07:39 AM

MERCURY BY COLD VAPOR TECHNIQUE**EPA 7471A**

RunID: AA5_090423B	QC Batch: 54933			PrepDate: 4/23/2009	Analyst: RQ
Mercury	ND	0.021	0.10	mg/Kg	1 4/23/2009 12:17 PM

SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS**EPA 3550B****EPA 8270C**

RunID: MS6_090423A	QC Batch: 54928			PrepDate: 4/22/2009	Analyst: DMP
1,2,4-Trichlorobenzene	ND	1200	5000	µg/Kg	5 4/23/2009 10:23 PM
1,2-Dichlorobenzene	ND	1300	5000	µg/Kg	5 4/23/2009 10:23 PM
1,3-Dichlorobenzene	ND	1100	5000	µg/Kg	5 4/23/2009 10:23 PM
1,4-Dichlorobenzene	ND	1200	5000	µg/Kg	5 4/23/2009 10:23 PM
2,4,5-Trichlorophenol	ND	840	5000	µg/Kg	5 4/23/2009 10:23 PM
2,4,6-Trichlorophenol	ND	1200	5000	µg/Kg	5 4/23/2009 10:23 PM
2,4-Dichlorophenol	ND	1300	25000	µg/Kg	5 4/23/2009 10:23 PM
2,4-Dimethylphenol	ND	1300	5000	µg/Kg	5 4/23/2009 10:23 PM
2,4-Dinitrophenol	ND	670	25000	µg/Kg	5 4/23/2009 10:23 PM
2,4-Dinitrotoluene	ND	1000	5000	µg/Kg	5 4/23/2009 10:23 PM
2,6-Dinitrotoluene	ND	1000	5000	µg/Kg	5 4/23/2009 10:23 PM
2-Chloronaphthalene	ND	1000	5000	µg/Kg	5 4/23/2009 10:23 PM
2-Chlorophenol	ND	1300	5000	µg/Kg	5 4/23/2009 10:23 PM
2-Methylnaphthalene	ND	1200	5000	µg/Kg	5 4/23/2009 10:23 PM
2-Methylphenol	ND	1400	5000	µg/Kg	5 4/23/2009 10:23 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105148
Project: 207126015
Lab ID: 105148-006A

Client Sample ID: 1001-109-2-S
Collection Date: 4/21/2009 8:20:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3550B

EPA 8270C

RunID: MS6_090423A	QC Batch: 54928	PrepDate: 4/22/2009	Analyst: DMP			
2-Nitroaniline	ND	1200	25000	µg/Kg	5	4/23/2009 10:23 PM
2-Nitrophenol	ND	1000	5000	µg/Kg	5	4/23/2009 10:23 PM
3,3'-Dichlorobenzidine	ND	1200	9900	µg/Kg	5	4/23/2009 10:23 PM
3-Nitroaniline	ND	900	25000	µg/Kg	5	4/23/2009 10:23 PM
4,6-Dinitro-2-methylphenol	ND	950	25000	µg/Kg	5	4/23/2009 10:23 PM
4-Bromophenyl-phenylether	ND	1100	5000	µg/Kg	5	4/23/2009 10:23 PM
4-Chloro-3-methylphenol	ND	1100	9900	µg/Kg	5	4/23/2009 10:23 PM
4-Chloroaniline	ND	1100	9900	µg/Kg	5	4/23/2009 10:23 PM
4-Chlorophenyl-phenylether	ND	1100	5000	µg/Kg	5	4/23/2009 10:23 PM
4-Methylphenol	ND	1200	5000	µg/Kg	5	4/23/2009 10:23 PM
4-Nitroaniline	ND	910	25000	µg/Kg	5	4/23/2009 10:23 PM
4-Nitrophenol	ND	1100	25000	µg/Kg	5	4/23/2009 10:23 PM
Acenaphthene	ND	1100	5000	µg/Kg	5	4/23/2009 10:23 PM
Acenaphthylene	ND	1000	5000	µg/Kg	5	4/23/2009 10:23 PM
Anthracene	ND	1100	5000	µg/Kg	5	4/23/2009 10:23 PM
Benzidine (M)	ND	1100	25000	µg/Kg	5	4/23/2009 10:23 PM
Benzo(a)anthracene	ND	1000	5000	µg/Kg	5	4/23/2009 10:23 PM
Benzo(a)pyrene	ND	1200	5000	µg/Kg	5	4/23/2009 10:23 PM
Benzo(b)fluoranthene	ND	1100	5000	µg/Kg	5	4/23/2009 10:23 PM
Benzo(g,h,i)perylene	ND	1100	5000	µg/Kg	5	4/23/2009 10:23 PM
Benzo(k)fluoranthene	ND	1500	5000	µg/Kg	5	4/23/2009 10:23 PM
Benzoic acid	ND	960	25000	µg/Kg	5	4/23/2009 10:23 PM
Benzyl alcohol	ND	1300	9900	µg/Kg	5	4/23/2009 10:23 PM
Bis(2-chloroethoxy)methane	ND	1200	5000	µg/Kg	5	4/23/2009 10:23 PM
Bis(2-chloroethyl)ether	ND	1200	5000	µg/Kg	5	4/23/2009 10:23 PM
Bis(2-chloroisopropyl)ether	ND	1400	5000	µg/Kg	5	4/23/2009 10:23 PM
Bis(2-ethylhexyl)phthalate	ND	1100	5000	µg/Kg	5	4/23/2009 10:23 PM
Butylbenzylphthalate	ND	1100	5000	µg/Kg	5	4/23/2009 10:23 PM
Chrysene	ND	1200	5000	µg/Kg	5	4/23/2009 10:23 PM
Di-n-butylphthalate	ND	1200	5000	µg/Kg	5	4/23/2009 10:23 PM
Di-n-octylphthalate	ND	1100	5000	µg/Kg	5	4/23/2009 10:23 PM
Dibenz(a,h)anthracene	ND	1200	5000	µg/Kg	5	4/23/2009 10:23 PM
Dibenzofuran	ND	1000	5000	µg/Kg	5	4/23/2009 10:23 PM
Diethylphthalate	ND	1100	5000	µg/Kg	5	4/23/2009 10:23 PM
Dimethylphthalate	ND	1000	5000	µg/Kg	5	4/23/2009 10:23 PM

Qualifiers: B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interference
DO Surrogate Diluted Out
E Value above quantitation range
ND Not Detected at the Reporting Limit
Results are wet unless otherwise specified



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105148
Project: 207126015
Lab ID: 105148-006A

Client Sample ID: 1001-109-2-S
Collection Date: 4/21/2009 8:20:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3550B

EPA 8270C

RunID: MS6_090423A	QC Batch: 54928	PrepDate: 4/22/2009	Analyst: DMP			
Fluoranthene	ND	1100	5000	µg/Kg	5	4/23/2009 10:23 PM
Fluorene	ND	1000	5000	µg/Kg	5	4/23/2009 10:23 PM
Hexachlorobenzene	ND	1100	5000	µg/Kg	5	4/23/2009 10:23 PM
Hexachlorobutadiene	ND	1200	9900	µg/Kg	5	4/23/2009 10:23 PM
Hexachlorocyclopentadiene	ND	1200	9900	µg/Kg	5	4/23/2009 10:23 PM
Hexachloroethane	ND	1200	5000	µg/Kg	5	4/23/2009 10:23 PM
Indeno(1,2,3-cd)pyrene	ND	1000	5000	µg/Kg	5	4/23/2009 10:23 PM
Isophorone	ND	1300	5000	µg/Kg	5	4/23/2009 10:23 PM
N-Nitrosodi-n-propylamine	ND	1200	5000	µg/Kg	5	4/23/2009 10:23 PM
N-Nitrosodiphenylamine	ND	1200	5000	µg/Kg	5	4/23/2009 10:23 PM
Naphthalene	ND	1300	5000	µg/Kg	5	4/23/2009 10:23 PM
Nitrobenzene	ND	1200	5000	µg/Kg	5	4/23/2009 10:23 PM
Pentachlorophenol	ND	820	25000	µg/Kg	5	4/23/2009 10:23 PM
Phenanthrene	ND	1100	5000	µg/Kg	5	4/23/2009 10:23 PM
Phenol	ND	1400	5000	µg/Kg	5	4/23/2009 10:23 PM
Pyrene	ND	1200	5000	µg/Kg	5	4/23/2009 10:23 PM
Surr: 1,2-Dichlorobenzene-d4	89.2	0	49-103	%REC	5	4/23/2009 10:23 PM
Surr: 2,4,6-Tribromophenol	78.8	0	47-129	%REC	5	4/23/2009 10:23 PM
Surr: 2-Chlorophenol-d4	94.0	0	54-109	%REC	5	4/23/2009 10:23 PM
Surr: 2-Fluorobiphenyl	98.8	0	59-108	%REC	5	4/23/2009 10:23 PM
Surr: 2-Fluorophenol	99.7	0	50-111	%REC	5	4/23/2009 10:23 PM
Surr: 4-Terphenyl-d14	108	0	58-135	%REC	5	4/23/2009 10:23 PM
Surr: Nitrobenzene-d5	105	0	54-115	%REC	5	4/23/2009 10:23 PM
Surr: Phenol-d5	95.0	0	58-112	%REC	5	4/23/2009 10:23 PM

PH

EPA 9045C

RunID: WETCHEM_090423A	QC Batch: R108435	PrepDate:	Analyst: DDL			
pH	8.1	0.10	0.10	pH Units	1	4/23/2009

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105148
Project: 207126015
Lab ID: 105148-006B

Client Sample ID: 1001-109-2-S
Collection Date: 4/21/2009 8:20:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS4_090422A	QC Batch: K09VS061	PrepDate: 4/22/2009	Analyst: HH
1,1,1,2-Tetrachloroethane	ND 1.6	4.6	µg/Kg 1 4/22/2009 02:14 PM
1,1,1-Trichloroethane	ND 0.60	4.6	µg/Kg 1 4/22/2009 02:14 PM
1,1,2,2-Tetrachloroethane	ND 1.5	4.6	µg/Kg 1 4/22/2009 02:14 PM
1,1,2-Trichloroethane	ND 1.5	4.6	µg/Kg 1 4/22/2009 02:14 PM
1,1-Dichloroethane	ND 0.47	4.6	µg/Kg 1 4/22/2009 02:14 PM
1,1-Dichloroethene	ND 1.2	4.6	µg/Kg 1 4/22/2009 02:14 PM
1,1-Dichloropropene	ND 1.4	4.6	µg/Kg 1 4/22/2009 02:14 PM
1,2,3-Trichlorobenzene	ND 0.96	4.6	µg/Kg 1 4/22/2009 02:14 PM
1,2,3-Trichloropropane	ND 0.70	4.6	µg/Kg 1 4/22/2009 02:14 PM
1,2,4-Trichlorobenzene	ND 1.2	4.6	µg/Kg 1 4/22/2009 02:14 PM
1,2,4-Trimethylbenzene	ND 0.80	4.6	µg/Kg 1 4/22/2009 02:14 PM
1,2-Dibromo-3-chloropropane	ND 1.8	9.3	µg/Kg 1 4/22/2009 02:14 PM
1,2-Dibromoethane	ND 1.4	4.6	µg/Kg 1 4/22/2009 02:14 PM
1,2-Dichlorobenzene	ND 0.77	4.6	µg/Kg 1 4/22/2009 02:14 PM
1,2-Dichloroethane	ND 1.1	4.6	µg/Kg 1 4/22/2009 02:14 PM
1,2-Dichloropropane	ND 1.5	4.6	µg/Kg 1 4/22/2009 02:14 PM
1,3,5-Trimethylbenzene	ND 0.93	4.6	µg/Kg 1 4/22/2009 02:14 PM
1,3-Dichlorobenzene	ND 0.94	4.6	µg/Kg 1 4/22/2009 02:14 PM
1,3-Dichloropropane	ND 0.98	4.6	µg/Kg 1 4/22/2009 02:14 PM
1,4-Dichlorobenzene	ND 1.1	4.6	µg/Kg 1 4/22/2009 02:14 PM
2,2-Dichloropropane	ND 0.81	4.6	µg/Kg 1 4/22/2009 02:14 PM
2-Chlorotoluene	ND 0.61	4.6	µg/Kg 1 4/22/2009 02:14 PM
4-Chlorotoluene	ND 0.63	4.6	µg/Kg 1 4/22/2009 02:14 PM
4-Isopropyltoluene	ND 0.53	4.6	µg/Kg 1 4/22/2009 02:14 PM
Benzene	ND 0.76	4.6	µg/Kg 1 4/22/2009 02:14 PM
Bromobenzene	ND 1.4	4.6	µg/Kg 1 4/22/2009 02:14 PM
Bromodichloromethane	ND 0.79	4.6	µg/Kg 1 4/22/2009 02:14 PM
Bromoform	ND 1.1	4.6	µg/Kg 1 4/22/2009 02:14 PM
Bromomethane	ND 0.81	4.6	µg/Kg 1 4/22/2009 02:14 PM
Carbon tetrachloride	ND 1.2	4.6	µg/Kg 1 4/22/2009 02:14 PM
Chlorobenzene	ND 0.83	4.6	µg/Kg 1 4/22/2009 02:14 PM
Chloroethane	ND 1.2	4.6	µg/Kg 1 4/22/2009 02:14 PM
Chloroform	ND 0.58	4.6	µg/Kg 1 4/22/2009 02:14 PM
Chloromethane	ND 0.76	4.6	µg/Kg 1 4/22/2009 02:14 PM
cis-1,2-Dichloroethene	ND 1.1	4.6	µg/Kg 1 4/22/2009 02:14 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105148
Project: 207126015
Lab ID: 105148-006B

Client Sample ID: 1001-109-2-S
Collection Date: 4/21/2009 8:20:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS4_090422A	QC Batch: K09VS061	PrepDate: 4/22/2009	Analyst: HH
cis-1,3-Dichloropropene	ND 1.2	4.6	µg/Kg 1 4/22/2009 02:14 PM
Dibromochloromethane	ND 0.63	4.6	µg/Kg 1 4/22/2009 02:14 PM
Dibromomethane	ND 1.6	4.6	µg/Kg 1 4/22/2009 02:14 PM
Dichlorodifluoromethane	ND 0.56	4.6	µg/Kg 1 4/22/2009 02:14 PM
Ethylbenzene	ND 0.84	4.6	µg/Kg 1 4/22/2009 02:14 PM
Hexachlorobutadiene	ND 3.1	4.6	µg/Kg 1 4/22/2009 02:14 PM
Isopropylbenzene	ND 1.1	4.6	µg/Kg 1 4/22/2009 02:14 PM
m,p-Xylene	ND 1.6	9.3	µg/Kg 1 4/22/2009 02:14 PM
Methylene chloride	ND 4.6	4.6	µg/Kg 1 4/22/2009 02:14 PM
n-Butylbenzene	ND 0.97	4.6	µg/Kg 1 4/22/2009 02:14 PM
n-Propylbenzene	ND 0.84	4.6	µg/Kg 1 4/22/2009 02:14 PM
Naphthalene	ND 1.5	4.6	µg/Kg 1 4/22/2009 02:14 PM
o-Xylene	ND 0.95	4.6	µg/Kg 1 4/22/2009 02:14 PM
sec-Butylbenzene	ND 0.79	4.6	µg/Kg 1 4/22/2009 02:14 PM
Styrene	ND 0.83	4.6	µg/Kg 1 4/22/2009 02:14 PM
tert-Butylbenzene	ND 0.56	4.6	µg/Kg 1 4/22/2009 02:14 PM
Tetrachloroethene	6.4 0.98	4.6	µg/Kg 1 4/22/2009 02:14 PM
Toluene	ND 0.77	4.6	µg/Kg 1 4/22/2009 02:14 PM
trans-1,2-Dichloroethene	ND 0.92	4.6	µg/Kg 1 4/22/2009 02:14 PM
Trichloroethene	ND 1.8	4.6	µg/Kg 1 4/22/2009 02:14 PM
Trichlorofluoromethane	ND 1.1	4.6	µg/Kg 1 4/22/2009 02:14 PM
Vinyl chloride	ND 0.55	4.6	µg/Kg 1 4/22/2009 02:14 PM
Surr: 1,2-Dichloroethane-d4	127 0	68-147	%REC 1 4/22/2009 02:14 PM
Surr: 4-Bromofluorobenzene	101 0	67-127	%REC 1 4/22/2009 02:14 PM
Surr: Dibromofluoromethane	123 0	72-141	%REC 1 4/22/2009 02:14 PM
Surr: Toluene-d8	100 0	75-120	%REC 1 4/22/2009 02:14 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105148
Project: 207126015
Lab ID: 105148-006E

Client Sample ID: 1001-109-2-S
Collection Date: 4/21/2009 8:20:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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GASOLINE RANGE ORGANICS BY GC/FID

EPA 8015B(M)

RunID: GC2_090422A	QC Batch: E09VS107	PrepDate: 4/21/2009	Analyst: KHN
GRO	ND 0.15	1.0	mg/Kg
Surr: Bromofluorobenzene (FID)	95.0 0	59-145	%REC

HYDROCARBON CHAIN IDENTIFICATION

EPA 8015B

RunID: GC2_090422A	QC Batch: E09VS107	PrepDate: 4/21/2009	Analyst: KHN
T/R Hydrocarbons: C4-C12	ND 0.20	1.0	mg/Kg
Surr: Bromofluorobenzene (FID)	95.0 0	59-145	%REC

Qualifiers:	B Analyte detected in the associated Method Blank	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	ND Not Detected at the Reporting Limit
	S Spike/Surrogate outside of limits due to matrix interference	Results are wet unless otherwise specified
	DO Surrogate Diluted Out	



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105148
Project: 207126015
Lab ID: 105148-007A

Client Sample ID: 1001-109-5-S
Collection Date: 4/21/2009 8:25:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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ICP METALS

EPA 3050B

EPA 6010B

RunID:	ICP8_090424F	QC Batch:	54944	PrepDate:	4/23/2009	Analyst:	CL
Antimony	ND	0.28	2.0	mg/Kg	1	4/24/2009 04:39 PM	
Arsenic	ND	0.27	1.0	mg/Kg	1	4/24/2009 04:39 PM	
Barium	180	0.13	1.0	mg/Kg	1	4/24/2009 04:39 PM	
Beryllium	ND	0.055	1.0	mg/Kg	1	4/24/2009 04:39 PM	
Cadmium	ND	0.0064	1.0	mg/Kg	1	4/24/2009 04:39 PM	
Chromium	25	0.088	1.0	mg/Kg	1	4/24/2009 04:39 PM	
Cobalt	10	0.014	1.0	mg/Kg	1	4/24/2009 04:39 PM	
Copper	28	0.26	2.0	mg/Kg	1	4/24/2009 04:39 PM	
Lead	ND	0.11	1.0	mg/Kg	1	4/24/2009 04:39 PM	
Molybdenum	ND	0.043	1.0	mg/Kg	1	4/24/2009 04:39 PM	
Nickel	19	0.032	1.0	mg/Kg	1	4/24/2009 04:39 PM	
Selenium	ND	0.43	1.0	mg/Kg	1	4/24/2009 04:39 PM	
Silver	ND	0.017	1.0	mg/Kg	1	4/24/2009 04:39 PM	
Thallium	ND	0.23	1.0	mg/Kg	1	4/24/2009 04:39 PM	
Vanadium	59	0.019	1.0	mg/Kg	1	4/24/2009 04:39 PM	
Zinc	59	0.19	1.0	mg/Kg	1	4/24/2009 04:39 PM	

HEXAVALENT CHROMIUM

EPA 7196A

RunID:	WETCHEM3_090427A	QC Batch:	55023	PrepDate:	4/27/2009	Analyst:	CBB
Chromium, Hexavalent	ND	0.074	0.10	mg/Kg	1	4/27/2009	

DIESEL RANGE ORGANICS BY GC/FID LUFT

EPA 8015B(M)

RunID:	GC8_090430A	QC Batch:	54920	PrepDate:	4/22/2009	Analyst:	CBR
DRO	ND	10	10	mg/Kg	1	4/30/2009 02:19 PM	
Surr: p-Terphenyl	106	0	57-144	%REC	1	4/30/2009 02:19 PM	

HYDROCARBON CHAIN IDENTIFICATION LUFT

EPA 8015B(M)

RunID:	GC8_090430A	QC Batch:	54920	PrepDate:	4/22/2009	Analyst:	CBR
T/R Hydrocarbons: C13-C22	ND	10	10	mg/Kg	1	4/30/2009 02:19 PM	
T/R Hydrocarbons: C23-C32	ND	10	10	mg/Kg	1	4/30/2009 02:19 PM	
T/R Hydrocarbons:>C32	ND	10	10	mg/Kg	1	4/30/2009 02:19 PM	
Surr: p-Terphenyl	106	0	57-144	%REC	1	4/30/2009 02:19 PM	

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105148
Project: 207126015
Lab ID: 105148-007A

Client Sample ID: 1001-109-5-S
Collection Date: 4/21/2009 8:25:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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PCBS BY GC/ECD

EPA 3550B		EPA 8082					
RunID: GC5_090423B	QC Batch: 54965	PrepDate: 4/23/2009 Analyst: BB					
Aroclor 1016	ND	5.0	16	µg/Kg	1	4/24/2009 08:09 AM	
Aroclor 1221	ND	5.0	33	µg/Kg	1	4/24/2009 08:09 AM	
Aroclor 1232	ND	5.0	16	µg/Kg	1	4/24/2009 08:09 AM	
Aroclor 1242	ND	5.0	16	µg/Kg	1	4/24/2009 08:09 AM	
Aroclor 1248	ND	5.0	16	µg/Kg	1	4/24/2009 08:09 AM	
Aroclor 1254	ND	5.0	16	µg/Kg	1	4/24/2009 08:09 AM	
Aroclor 1260	ND	5.0	16	µg/Kg	1	4/24/2009 08:09 AM	
Aroclor 1262	ND	5.0	16	µg/Kg	1	4/24/2009 08:09 AM	
Aroclor 1268	ND	5.0	16	µg/Kg	1	4/24/2009 08:09 AM	
Surr: Decachlorobiphenyl	79.3	0	30-124	%REC	1	4/24/2009 08:09 AM	
Surr: Tetrachloro-m-xylene	103	0	40-118	%REC	1	4/24/2009 08:09 AM	

MERCURY BY COLD VAPOR TECHNIQUE

EPA 7471A							
RunID: AA5_090423B	QC Batch: 54933	PrepDate: 4/23/2009 Analyst: RQ					
Mercury	ND	0.021	0.10	mg/Kg	1	4/23/2009 12:19 PM	

SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3550B		EPA 8270C					
RunID: MS6_090423A	QC Batch: 54928	PrepDate: 4/22/2009 Analyst: DMP					
1,2,4-Trichlorobenzene	ND	82	330	µg/Kg	1	4/23/2009 06:12 PM	
1,2-Dichlorobenzene	ND	85	330	µg/Kg	1	4/23/2009 06:12 PM	
1,3-Dichlorobenzene	ND	74	330	µg/Kg	1	4/23/2009 06:12 PM	
1,4-Dichlorobenzene	ND	78	330	µg/Kg	1	4/23/2009 06:12 PM	
2,4,5-Trichlorophenol	ND	56	330	µg/Kg	1	4/23/2009 06:12 PM	
2,4,6-Trichlorophenol	ND	78	330	µg/Kg	1	4/23/2009 06:12 PM	
2,4-Dichlorophenol	ND	87	1600	µg/Kg	1	4/23/2009 06:12 PM	
2,4-Dimethylphenol	ND	88	330	µg/Kg	1	4/23/2009 06:12 PM	
2,4-Dinitrophenol	ND	45	1600	µg/Kg	1	4/23/2009 06:12 PM	
2,4-Dinitrotoluene	ND	67	330	µg/Kg	1	4/23/2009 06:12 PM	
2,6-Dinitrotoluene	ND	67	330	µg/Kg	1	4/23/2009 06:12 PM	
2-Chloronaphthalene	ND	70	330	µg/Kg	1	4/23/2009 06:12 PM	
2-Chlorophenol	ND	89	330	µg/Kg	1	4/23/2009 06:12 PM	
2-Methylnaphthalene	ND	78	330	µg/Kg	1	4/23/2009 06:12 PM	
2-Methylphenol	ND	96	330	µg/Kg	1	4/23/2009 06:12 PM	

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105148
Project: 207126015
Lab ID: 105148-007A

Client Sample ID: 1001-109-5-S
Collection Date: 4/21/2009 8:25:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3550B

EPA 8270C

RunID: MS6_090423A	QC Batch: 54928	PrepDate: 4/22/2009	Analyst: DMP
2-Nitroaniline	ND	79	1600
2-Nitrophenol	ND	70	330
3,3'-Dichlorobenzidine	ND	78	660
3-Nitroaniline	ND	60	1600
4,6-Dinitro-2-methylphenol	ND	63	1600
4-Bromophenyl-phenylether	ND	73	330
4-Chloro-3-methylphenol	ND	75	660
4-Chloroaniline	ND	73	660
4-Chlorophenyl-phenylether	ND	70	330
4-Methylphenol	ND	79	330
4-Nitroaniline	ND	60	1600
4-Nitrophenol	ND	71	1600
Acenaphthene	ND	70	330
Acenaphthylene	ND	69	330
Anthracene	ND	76	330
Benzidine (M)	ND	71	1600
Benzo(a)anthracene	ND	69	330
Benzo(a)pyrene	ND	82	330
Benzo(b)fluoranthene	ND	70	330
Benzo(g,h,i)perylene	ND	71	330
Benzo(k)fluoranthene	ND	98	330
Benzoic acid	ND	64	1600
Benzyl alcohol	ND	86	660
Bis(2-chloroethoxy)methane	ND	79	330
Bis(2-chloroethyl)ether	ND	81	330
Bis(2-chloroisopropyl)ether	ND	91	330
Bis(2-ethylhexyl)phthalate	ND	72	330
Butylbenzylphthalate	ND	72	330
Chrysene	ND	79	330
Di-n-butylphthalate	ND	78	330
Di-n-octylphthalate	ND	71	330
Dibenz(a,h)anthracene	ND	83	330
Dibenzofuran	ND	68	330
Diethylphthalate	ND	74	330
Dimethylphthalate	ND	69	330

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3550B

EPA 8270C

RunID: MS6_090423A	QC Batch: 54928	PrepDate: 4/22/2009	Analyst: DMP
Fluoranthene	ND	73	330
Fluorene	ND	69	330
Hexachlorobenzene	ND	76	330
Hexachlorobutadiene	ND	77	660
Hexachlorocyclopentadiene	ND	80	660
Hexachloroethane	ND	81	330
Indeno(1,2,3-cd)pyrene	ND	69	330
Isophorone	ND	85	330
N-Nitrosodi-n-propylamine	ND	82	330
N-Nitrosodiphenylamine	ND	79	330
Naphthalene	ND	86	330
Nitrobenzene	ND	82	330
Pentachlorophenol	ND	55	1600
Phenanthrene	ND	76	330
Phenol	ND	95	330
Pyrene	ND	77	330
Surr: 1,2-Dichlorobenzene-d4	80.6	0	49-103
Surr: 2,4,6-Tribromophenol	93.4	0	47-129
Surr: 2-Chlorophenol-d4	86.5	0	54-109
Surr: 2-Fluorobiphenyl	91.4	0	59-108
Surr: 2-Fluorophenol	86.7	0	50-111
Surr: 4-Terphenyl-d14	108	0	58-135
Surr: Nitrobenzene-d5	98.4	0	54-115
Surr: Phenol-d5	90.7	0	58-112

PH

EPA 9045C

RunID: WETCHEM_090423A	QC Batch: R108435	PrepDate:	Analyst: DDL
pH	7.9	0.10	0.10

Qualifiers: B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interference
DO Surrogate Diluted Out
E Value above quantitation range
ND Not Detected at the Reporting Limit
Results are wet unless otherwise specified



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Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS4_090422A	QC Batch: K09VS061	PrepDate: 4/22/2009	Analyst: HH
1,1,1,2-Tetrachloroethane	ND 1.6	4.6	µg/Kg 1 4/22/2009 02:31 PM
1,1,1-Trichloroethane	ND 0.59	4.6	µg/Kg 1 4/22/2009 02:31 PM
1,1,2,2-Tetrachloroethane	ND 1.4	4.6	µg/Kg 1 4/22/2009 02:31 PM
1,1,2-Trichloroethane	ND 1.5	4.6	µg/Kg 1 4/22/2009 02:31 PM
1,1-Dichloroethane	ND 0.46	4.6	µg/Kg 1 4/22/2009 02:31 PM
1,1-Dichloroethene	ND 1.2	4.6	µg/Kg 1 4/22/2009 02:31 PM
1,1-Dichloropropene	ND 1.4	4.6	µg/Kg 1 4/22/2009 02:31 PM
1,2,3-Trichlorobenzene	ND 0.95	4.6	µg/Kg 1 4/22/2009 02:31 PM
1,2,3-Trichloropropane	ND 0.69	4.6	µg/Kg 1 4/22/2009 02:31 PM
1,2,4-Trichlorobenzene	ND 1.2	4.6	µg/Kg 1 4/22/2009 02:31 PM
1,2,4-Trimethylbenzene	ND 0.79	4.6	µg/Kg 1 4/22/2009 02:31 PM
1,2-Dibromo-3-chloropropane	ND 1.8	9.2	µg/Kg 1 4/22/2009 02:31 PM
1,2-Dibromoethane	ND 1.3	4.6	µg/Kg 1 4/22/2009 02:31 PM
1,2-Dichlorobenzene	ND 0.76	4.6	µg/Kg 1 4/22/2009 02:31 PM
1,2-Dichloroethane	ND 1.1	4.6	µg/Kg 1 4/22/2009 02:31 PM
1,2-Dichloropropane	ND 1.4	4.6	µg/Kg 1 4/22/2009 02:31 PM
1,3,5-Trimethylbenzene	ND 0.92	4.6	µg/Kg 1 4/22/2009 02:31 PM
1,3-Dichlorobenzene	ND 0.92	4.6	µg/Kg 1 4/22/2009 02:31 PM
1,3-Dichloropropane	ND 0.96	4.6	µg/Kg 1 4/22/2009 02:31 PM
1,4-Dichlorobenzene	ND 1.1	4.6	µg/Kg 1 4/22/2009 02:31 PM
2,2-Dichloropropane	ND 0.80	4.6	µg/Kg 1 4/22/2009 02:31 PM
2-Chlorotoluene	ND 0.60	4.6	µg/Kg 1 4/22/2009 02:31 PM
4-Chlorotoluene	ND 0.62	4.6	µg/Kg 1 4/22/2009 02:31 PM
4-Isopropyltoluene	ND 0.52	4.6	µg/Kg 1 4/22/2009 02:31 PM
Benzene	ND 0.75	4.6	µg/Kg 1 4/22/2009 02:31 PM
Bromobenzene	ND 1.4	4.6	µg/Kg 1 4/22/2009 02:31 PM
Bromodichloromethane	ND 0.78	4.6	µg/Kg 1 4/22/2009 02:31 PM
Bromoform	ND 1.1	4.6	µg/Kg 1 4/22/2009 02:31 PM
Bromomethane	ND 0.80	4.6	µg/Kg 1 4/22/2009 02:31 PM
Carbon tetrachloride	ND 1.2	4.6	µg/Kg 1 4/22/2009 02:31 PM
Chlorobenzene	ND 0.82	4.6	µg/Kg 1 4/22/2009 02:31 PM
Chloroethane	ND 1.2	4.6	µg/Kg 1 4/22/2009 02:31 PM
Chloroform	ND 0.57	4.6	µg/Kg 1 4/22/2009 02:31 PM
Chloromethane	ND 0.75	4.6	µg/Kg 1 4/22/2009 02:31 PM
cis-1,2-Dichloroethene	ND 1.1	4.6	µg/Kg 1 4/22/2009 02:31 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105148
Project: 207126015
Lab ID: 105148-007B

Client Sample ID: 1001-109-5-S
Collection Date: 4/21/2009 8:25:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS4_090422A	QC Batch: K09VS061	PrepDate: 4/22/2009	Analyst: HH			
cis-1,3-Dichloropropene	ND	1.2	4.6	µg/Kg	1	4/22/2009 02:31 PM
Dibromochloromethane	ND	0.62	4.6	µg/Kg	1	4/22/2009 02:31 PM
Dibromomethane	ND	1.5	4.6	µg/Kg	1	4/22/2009 02:31 PM
Dichlorodifluoromethane	ND	0.55	4.6	µg/Kg	1	4/22/2009 02:31 PM
Ethylbenzene	ND	0.83	4.6	µg/Kg	1	4/22/2009 02:31 PM
Hexachlorobutadiene	ND	3.1	4.6	µg/Kg	1	4/22/2009 02:31 PM
Isopropylbenzene	ND	1.1	4.6	µg/Kg	1	4/22/2009 02:31 PM
m,p-Xylene	ND	1.5	9.2	µg/Kg	1	4/22/2009 02:31 PM
Methylene chloride	ND	4.6	4.6	µg/Kg	1	4/22/2009 02:31 PM
n-Butylbenzene	ND	0.95	4.6	µg/Kg	1	4/22/2009 02:31 PM
n-Propylbenzene	ND	0.83	4.6	µg/Kg	1	4/22/2009 02:31 PM
Naphthalene	ND	1.5	4.6	µg/Kg	1	4/22/2009 02:31 PM
o-Xylene	ND	0.94	4.6	µg/Kg	1	4/22/2009 02:31 PM
sec-Butylbenzene	ND	0.78	4.6	µg/Kg	1	4/22/2009 02:31 PM
Styrene	ND	0.82	4.6	µg/Kg	1	4/22/2009 02:31 PM
tert-Butylbenzene	ND	0.56	4.6	µg/Kg	1	4/22/2009 02:31 PM
Tetrachloroethene	ND	0.97	4.6	µg/Kg	1	4/22/2009 02:31 PM
Toluene	ND	0.76	4.6	µg/Kg	1	4/22/2009 02:31 PM
trans-1,2-Dichloroethene	ND	0.91	4.6	µg/Kg	1	4/22/2009 02:31 PM
Trichloroethene	ND	1.8	4.6	µg/Kg	1	4/22/2009 02:31 PM
Trichlorofluoromethane	ND	1.1	4.6	µg/Kg	1	4/22/2009 02:31 PM
Vinyl chloride	ND	0.54	4.6	µg/Kg	1	4/22/2009 02:31 PM
Surr: 1,2-Dichloroethane-d4	133	0	68-147	%REC	1	4/22/2009 02:31 PM
Surr: 4-Bromofluorobenzene	108	0	67-127	%REC	1	4/22/2009 02:31 PM
Surr: Dibromofluoromethane	121	0	72-141	%REC	1	4/22/2009 02:31 PM
Surr: Toluene-d8	111	0	75-120	%REC	1	4/22/2009 02:31 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

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Lab Order: 105148
Project: 207126015
Lab ID: 105148-007E

Client Sample ID: 1001-109-5-S
Collection Date: 4/21/2009 8:25:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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GASOLINE RANGE ORGANICS BY GC/FID

EPA 8015B(M)

RunID: GC2_090422A	QC Batch: E09VS107	PrepDate: 4/21/2009	Analyst: KHN		
GRO	ND 0.14	0.94	mg/Kg	1	4/22/2009 01:46 PM
Surr: Bromofluorobenzene (FID)	103 0	59-145	%REC	1	4/22/2009 01:46 PM

HYDROCARBON CHAIN IDENTIFICATION

EPA 8015B

RunID: GC2_090422A	QC Batch: E09VS107	PrepDate: 4/21/2009	Analyst: KHN		
T/R Hydrocarbons: C4-C12	ND 0.18	0.94	mg/Kg	1	4/22/2009 01:46 PM
Surr: Bromofluorobenzene (FID)	103 0	59-145	%REC	1	4/22/2009 01:46 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

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CLIENT: Ninyo & Moore
Lab Order: 105148
Project: 207126015
Lab ID: 105148-008A

Client Sample ID: 1001-109-10-S
Collection Date: 4/21/2009 8:35:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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ICP METALS

EPA 3050B		EPA 6010B	
RunID: ICP8_090424F	QC Batch: 54944	PrepDate: 4/23/2009	Analyst: CL
Antimony	ND 0.28	2.0	mg/Kg 1 4/24/2009 04:49 PM
Arsenic	ND 0.27	1.0	mg/Kg 1 4/24/2009 04:49 PM
Barium	81 0.13	1.0	mg/Kg 1 4/24/2009 04:49 PM
Beryllium	ND 0.055	1.0	mg/Kg 1 4/24/2009 04:49 PM
Cadmium	ND 0.0064	1.0	mg/Kg 1 4/24/2009 04:49 PM
Chromium	13 0.088	1.0	mg/Kg 1 4/24/2009 04:49 PM
Cobalt	5.0 0.014	1.0	mg/Kg 1 4/24/2009 04:49 PM
Copper	11 0.26	2.0	mg/Kg 1 4/24/2009 04:49 PM
Lead	ND 0.11	1.0	mg/Kg 1 4/24/2009 04:49 PM
Molybdenum	ND 0.043	1.0	mg/Kg 1 4/24/2009 04:49 PM
Nickel	9.3 0.032	1.0	mg/Kg 1 4/24/2009 04:49 PM
Selenium	ND 0.43	1.0	mg/Kg 1 4/24/2009 04:49 PM
Silver	ND 0.017	1.0	mg/Kg 1 4/24/2009 04:49 PM
Thallium	ND 0.23	1.0	mg/Kg 1 4/24/2009 04:49 PM
Vanadium	35 0.019	1.0	mg/Kg 1 4/24/2009 04:49 PM
Zinc	28 0.19	1.0	mg/Kg 1 4/24/2009 04:49 PM

HEXAVALENT CHROMIUM

EPA 7196A	
RunID: WETCHEM3_090427A	QC Batch: 55023
PrepDate: 4/27/2009	Analyst: CBB
Chromium, Hexavalent	ND 0.074 0.10 mg/Kg 1 4/27/2009

DIESEL RANGE ORGANICS BY GC/FID LUFT

EPA 8015B(M)	
RunID: GC8_BACK_090429B	QC Batch: 54920
PrepDate: 4/22/2009	Analyst: CBR
DRO	ND 10 10 mg/Kg 1 4/30/2009 10:43 AM
Surr: p-Terphenyl	102 0 57-144 %REC 1 4/30/2009 10:43 AM

HYDROCARBON CHAIN IDENTIFICATION LUFT

EPA 8015B(M)	
RunID: GC8_BACK_090429B	QC Batch: 54920
PrepDate: 4/22/2009	Analyst: CBR
T/R Hydrocarbons: C13-C22	ND 10 10 mg/Kg 1 4/30/2009 10:43 AM
T/R Hydrocarbons: C23-C32	ND 10 10 mg/Kg 1 4/30/2009 10:43 AM
T/R Hydrocarbons:>C32	ND 10 10 mg/Kg 1 4/30/2009 10:43 AM
Surr: p-Terphenyl	96.7 0 57-144 %REC 1 4/30/2009 10:43 AM

Qualifiers:	B Analyte detected in the associated Method Blank	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	ND Not Detected at the Reporting Limit
	S Spike/Surrogate outside of limits due to matrix interference	Results are wet unless otherwise specified
	DO Surrogate Diluted Out	



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Client Sample ID: 1001-109-10-S
Collection Date: 4/21/2009 8:35:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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PCBS BY GC/ECD

EPA 3550B

EPA 8082

RunID: GC5_090423B	QC Batch: 54965	PrepDate: 4/23/2009	Analyst: BB			
Aroclor 1016	ND	5.0	16	µg/Kg	1	4/24/2009 08:38 AM
Aroclor 1221	ND	5.0	33	µg/Kg	1	4/24/2009 08:38 AM
Aroclor 1232	ND	5.0	16	µg/Kg	1	4/24/2009 08:38 AM
Aroclor 1242	ND	5.0	16	µg/Kg	1	4/24/2009 08:38 AM
Aroclor 1248	ND	5.0	16	µg/Kg	1	4/24/2009 08:38 AM
Aroclor 1254	ND	5.0	16	µg/Kg	1	4/24/2009 08:38 AM
Aroclor 1260	ND	5.0	16	µg/Kg	1	4/24/2009 08:38 AM
Aroclor 1262	ND	5.0	16	µg/Kg	1	4/24/2009 08:38 AM
Aroclor 1268	ND	5.0	16	µg/Kg	1	4/24/2009 08:38 AM
Surr: Decachlorobiphenyl	83.0	0	30-124	%REC	1	4/24/2009 08:38 AM
Surr: Tetrachloro-m-xylene	101	0	40-118	%REC	1	4/24/2009 08:38 AM

MERCURY BY COLD VAPOR TECHNIQUE

EPA 7471A

RunID: AA5_090423B	QC Batch: 54933	PrepDate: 4/23/2009	Analyst: RQ			
Mercury	ND	0.021	0.10	mg/Kg	1	4/23/2009 12:21 PM

SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3550B

EPA 8270C

RunID: MS6_090423A	QC Batch: 54928	PrepDate: 4/22/2009	Analyst: DMP			
1,2,4-Trichlorobenzene	ND	82	330	µg/Kg	1	4/23/2009 06:40 PM
1,2-Dichlorobenzene	ND	85	330	µg/Kg	1	4/23/2009 06:40 PM
1,3-Dichlorobenzene	ND	74	330	µg/Kg	1	4/23/2009 06:40 PM
1,4-Dichlorobenzene	ND	78	330	µg/Kg	1	4/23/2009 06:40 PM
2,4,5-Trichlorophenol	ND	56	330	µg/Kg	1	4/23/2009 06:40 PM
2,4,6-Trichlorophenol	ND	78	330	µg/Kg	1	4/23/2009 06:40 PM
2,4-Dichlorophenol	ND	87	1600	µg/Kg	1	4/23/2009 06:40 PM
2,4-Dimethylphenol	ND	88	330	µg/Kg	1	4/23/2009 06:40 PM
2,4-Dinitrophenol	ND	45	1600	µg/Kg	1	4/23/2009 06:40 PM
2,4-Dinitrotoluene	ND	67	330	µg/Kg	1	4/23/2009 06:40 PM
2,6-Dinitrotoluene	ND	67	330	µg/Kg	1	4/23/2009 06:40 PM
2-Chloronaphthalene	ND	70	330	µg/Kg	1	4/23/2009 06:40 PM
2-Chlorophenol	ND	89	330	µg/Kg	1	4/23/2009 06:40 PM
2-Methylnaphthalene	ND	78	330	µg/Kg	1	4/23/2009 06:40 PM
2-Methylphenol	ND	96	330	µg/Kg	1	4/23/2009 06:40 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105148
Project: 207126015
Lab ID: 105148-008A

Client Sample ID: 1001-109-10-S
Collection Date: 4/21/2009 8:35:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3550B

EPA 8270C

RunID: MS6_090423A	QC Batch: 54928	PrepDate: 4/22/2009	Analyst: DMP
2-Nitroaniline	ND	79	1600
2-Nitrophenol	ND	70	330
3,3'-Dichlorobenzidine	ND	78	660
3-Nitroaniline	ND	60	1600
4,6-Dinitro-2-methylphenol	ND	63	1600
4-Bromophenyl-phenylether	ND	73	330
4-Chloro-3-methylphenol	ND	75	660
4-Chloroaniline	ND	73	660
4-Chlorophenyl-phenylether	ND	70	330
4-Methylphenol	ND	79	330
4-Nitroaniline	ND	60	1600
4-Nitrophenol	ND	71	1600
Acenaphthene	ND	70	330
Acenaphthylene	ND	69	330
Anthracene	ND	76	330
Benzidine (M)	ND	71	1600
Benzo(a)anthracene	ND	69	330
Benzo(a)pyrene	ND	82	330
Benzo(b)fluoranthene	ND	70	330
Benzo(g,h,i)perylene	ND	71	330
Benzo(k)fluoranthene	ND	98	330
Benzoic acid	ND	64	1600
Benzyl alcohol	ND	86	660
Bis(2-chloroethoxy)methane	ND	79	330
Bis(2-chloroethyl)ether	ND	81	330
Bis(2-chloroisopropyl)ether	ND	91	330
Bis(2-ethylhexyl)phthalate	ND	72	330
Butylbenzylphthalate	ND	72	330
Chrysene	ND	79	330
Di-n-butylphthalate	ND	78	330
Di-n-octylphthalate	ND	71	330
Dibenz(a,h)anthracene	ND	83	330
Dibenzofuran	ND	68	330
Diethylphthalate	ND	74	330
Dimethylphthalate	ND	69	330

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105148
Project: 207126015
Lab ID: 105148-008A

Client Sample ID: 1001-109-10-S
Collection Date: 4/21/2009 8:35:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3550B

EPA 8270C

RunID: MS6_090423A	QC Batch: 54928	PrepDate: 4/22/2009	Analyst: DMP
Fluoranthene	ND	73	330
Fluorene	ND	69	330
Hexachlorobenzene	ND	76	330
Hexachlorobutadiene	ND	77	660
Hexachlorocyclopentadiene	ND	80	660
Hexachloroethane	ND	81	330
Indeno(1,2,3-cd)pyrene	ND	69	330
Isophorone	ND	85	330
N-Nitrosodi-n-propylamine	ND	82	330
N-Nitrosodiphenylamine	ND	79	330
Naphthalene	ND	86	330
Nitrobenzene	ND	82	330
Pentachlorophenol	ND	55	1600
Phenanthrene	ND	76	330
Phenol	ND	95	330
Pyrene	ND	77	330
Surr: 1,2-Dichlorobenzene-d4	79.2	0	49-103
Surr: 2,4,6-Tribromophenol	87.5	0	47-129
Surr: 2-Chlorophenol-d4	84.1	0	54-109
Surr: 2-Fluorobiphenyl	87.4	0	59-108
Surr: 2-Fluorophenol	85.1	0	50-111
Surr: 4-Terphenyl-d14	99.0	0	58-135
Surr: Nitrobenzene-d5	95.7	0	54-115
Surr: Phenol-d5	87.6	0	58-112

PH

EPA 9045C

RunID: WETCHEM_090423A	QC Batch: R108435	PrepDate:	Analyst: DDL
pH	8.4	0.10	0.10

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
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	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105148
Project: 207126015
Lab ID: 105148-008B

Client Sample ID: 1001-109-10-S
Collection Date: 4/21/2009 8:35:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS4_090422A	QC Batch: K09VS061	PrepDate: 4/22/2009	Analyst: HH
1,1,1,2-Tetrachloroethane	ND 1.7	5.0	µg/Kg 1 4/22/2009 02:48 PM
1,1,1-Trichloroethane	ND 0.64	5.0	µg/Kg 1 4/22/2009 02:48 PM
1,1,2,2-Tetrachloroethane	ND 1.6	5.0	µg/Kg 1 4/22/2009 02:48 PM
1,1,2-Trichloroethane	ND 1.6	5.0	µg/Kg 1 4/22/2009 02:48 PM
1,1-Dichloroethane	ND 0.50	5.0	µg/Kg 1 4/22/2009 02:48 PM
1,1-Dichloroethene	ND 1.3	5.0	µg/Kg 1 4/22/2009 02:48 PM
1,1-Dichloropropene	ND 1.5	5.0	µg/Kg 1 4/22/2009 02:48 PM
1,2,3-Trichlorobenzene	ND 1.0	5.0	µg/Kg 1 4/22/2009 02:48 PM
1,2,3-Trichloropropane	ND 0.74	5.0	µg/Kg 1 4/22/2009 02:48 PM
1,2,4-Trichlorobenzene	ND 1.3	5.0	µg/Kg 1 4/22/2009 02:48 PM
1,2,4-Trimethylbenzene	ND 0.85	5.0	µg/Kg 1 4/22/2009 02:48 PM
1,2-Dibromo-3-chloropropane	ND 1.9	9.9	µg/Kg 1 4/22/2009 02:48 PM
1,2-Dibromoethane	ND 1.5	5.0	µg/Kg 1 4/22/2009 02:48 PM
1,2-Dichlorobenzene	ND 0.83	5.0	µg/Kg 1 4/22/2009 02:48 PM
1,2-Dichloroethane	ND 1.2	5.0	µg/Kg 1 4/22/2009 02:48 PM
1,2-Dichloropropane	ND 1.6	5.0	µg/Kg 1 4/22/2009 02:48 PM
1,3,5-Trimethylbenzene	ND 0.99	5.0	µg/Kg 1 4/22/2009 02:48 PM
1,3-Dichlorobenzene	ND 1.0	5.0	µg/Kg 1 4/22/2009 02:48 PM
1,3-Dichloropropane	ND 1.0	5.0	µg/Kg 1 4/22/2009 02:48 PM
1,4-Dichlorobenzene	ND 1.2	5.0	µg/Kg 1 4/22/2009 02:48 PM
2,2-Dichloropropane	ND 0.86	5.0	µg/Kg 1 4/22/2009 02:48 PM
2-Chlorotoluene	ND 0.65	5.0	µg/Kg 1 4/22/2009 02:48 PM
4-Chlorotoluene	ND 0.67	5.0	µg/Kg 1 4/22/2009 02:48 PM
4-Isopropyltoluene	ND 0.57	5.0	µg/Kg 1 4/22/2009 02:48 PM
Benzene	ND 0.82	5.0	µg/Kg 1 4/22/2009 02:48 PM
Bromobenzene	ND 1.6	5.0	µg/Kg 1 4/22/2009 02:48 PM
Bromodichloromethane	ND 0.85	5.0	µg/Kg 1 4/22/2009 02:48 PM
Bromoform	ND 1.2	5.0	µg/Kg 1 4/22/2009 02:48 PM
Bromomethane	ND 0.87	5.0	µg/Kg 1 4/22/2009 02:48 PM
Carbon tetrachloride	ND 1.3	5.0	µg/Kg 1 4/22/2009 02:48 PM
Chlorobenzene	ND 0.89	5.0	µg/Kg 1 4/22/2009 02:48 PM
Chloroethane	ND 1.3	5.0	µg/Kg 1 4/22/2009 02:48 PM
Chloroform	ND 0.62	5.0	µg/Kg 1 4/22/2009 02:48 PM
Chloromethane	ND 0.81	5.0	µg/Kg 1 4/22/2009 02:48 PM
cis-1,2-Dichloroethene	ND 1.2	5.0	µg/Kg 1 4/22/2009 02:48 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105148
Project: 207126015
Lab ID: 105148-008B

Client Sample ID: 1001-109-10-S
Collection Date: 4/21/2009 8:35:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS4_090422A	QC Batch: K09VS061	PrepDate: 4/22/2009	Analyst: HH
cis-1,3-Dichloropropene	ND 1.3	5.0	µg/Kg 1 4/22/2009 02:48 PM
Dibromochloromethane	ND 0.68	5.0	µg/Kg 1 4/22/2009 02:48 PM
Dibromomethane	ND 1.7	5.0	µg/Kg 1 4/22/2009 02:48 PM
Dichlorodifluoromethane	ND 0.60	5.0	µg/Kg 1 4/22/2009 02:48 PM
Ethylbenzene	ND 0.90	5.0	µg/Kg 1 4/22/2009 02:48 PM
Hexachlorobutadiene	ND 3.4	5.0	µg/Kg 1 4/22/2009 02:48 PM
Isopropylbenzene	ND 1.2	5.0	µg/Kg 1 4/22/2009 02:48 PM
m,p-Xylene	ND 1.7	9.9	µg/Kg 1 4/22/2009 02:48 PM
Methylene chloride	ND 5.0	5.0	µg/Kg 1 4/22/2009 02:48 PM
n-Butylbenzene	ND 1.0	5.0	µg/Kg 1 4/22/2009 02:48 PM
n-Propylbenzene	ND 0.90	5.0	µg/Kg 1 4/22/2009 02:48 PM
Naphthalene	ND 1.7	5.0	µg/Kg 1 4/22/2009 02:48 PM
o-Xylene	ND 1.0	5.0	µg/Kg 1 4/22/2009 02:48 PM
sec-Butylbenzene	ND 0.85	5.0	µg/Kg 1 4/22/2009 02:48 PM
Styrene	ND 0.89	5.0	µg/Kg 1 4/22/2009 02:48 PM
tert-Butylbenzene	ND 0.60	5.0	µg/Kg 1 4/22/2009 02:48 PM
Tetrachloroethene	ND 1.0	5.0	µg/Kg 1 4/22/2009 02:48 PM
Toluene	ND 0.82	5.0	µg/Kg 1 4/22/2009 02:48 PM
trans-1,2-Dichloroethene	ND 0.98	5.0	µg/Kg 1 4/22/2009 02:48 PM
Trichloroethene	ND 2.0	5.0	µg/Kg 1 4/22/2009 02:48 PM
Trichlorofluoromethane	ND 1.2	5.0	µg/Kg 1 4/22/2009 02:48 PM
Vinyl chloride	ND 0.58	5.0	µg/Kg 1 4/22/2009 02:48 PM
Surr: 1,2-Dichloroethane-d4	122 0	68-147	%REC 1 4/22/2009 02:48 PM
Surr: 4-Bromofluorobenzene	107 0	67-127	%REC 1 4/22/2009 02:48 PM
Surr: Dibromofluoromethane	124 0	72-141	%REC 1 4/22/2009 02:48 PM
Surr: Toluene-d8	108 0	75-120	%REC 1 4/22/2009 02:48 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105148
Project: 207126015
Lab ID: 105148-008E

Client Sample ID: 1001-109-10-S
Collection Date: 4/21/2009 8:35:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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GASOLINE RANGE ORGANICS BY GC/FID

EPA 8015B(M)

RunID: GC2_090422A	QC Batch: E09VS107	PrepDate: 4/21/2009	Analyst: KHN		
GRO	ND 0.15	1.0	mg/Kg	1	4/22/2009 02:02 PM
Surr: Bromofluorobenzene (FID)	113 0	59-145	%REC	1	4/22/2009 02:02 PM

HYDROCARBON CHAIN IDENTIFICATION

EPA 8015B

RunID: GC2_090422A	QC Batch: E09VS107	PrepDate: 4/21/2009	Analyst: KHN		
T/R Hydrocarbons: C4-C12	ND 0.20	1.0	mg/Kg	1	4/22/2009 02:02 PM
Surr: Bromofluorobenzene (FID)	113 0	59-145	%REC	1	4/22/2009 02:02 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105148
Project: 207126015
Lab ID: 105148-009A

Client Sample ID: 1001-109-20-S
Collection Date: 4/21/2009 8:40:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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ICP METALS

EPA 3050B

EPA 6010B

RunID:	ICP8_090424F	QC Batch:	54944	PrepDate:	4/23/2009	Analyst:	CL
Antimony	ND	0.28	2.0	mg/Kg	1	4/24/2009 04:52 PM	
Arsenic	ND	0.27	1.0	mg/Kg	1	4/24/2009 04:52 PM	
Barium	100	0.13	1.0	mg/Kg	1	4/24/2009 04:52 PM	
Beryllium	ND	0.055	1.0	mg/Kg	1	4/24/2009 04:52 PM	
Cadmium	ND	0.0064	1.0	mg/Kg	1	4/24/2009 04:52 PM	
Chromium	15	0.088	1.0	mg/Kg	1	4/24/2009 04:52 PM	
Cobalt	5.9	0.014	1.0	mg/Kg	1	4/24/2009 04:52 PM	
Copper	16	0.26	2.0	mg/Kg	1	4/24/2009 04:52 PM	
Lead	ND	0.11	1.0	mg/Kg	1	4/24/2009 04:52 PM	
Molybdenum	ND	0.043	1.0	mg/Kg	1	4/24/2009 04:52 PM	
Nickel	10	0.032	1.0	mg/Kg	1	4/24/2009 04:52 PM	
Selenium	ND	0.43	1.0	mg/Kg	1	4/24/2009 04:52 PM	
Silver	ND	0.017	1.0	mg/Kg	1	4/24/2009 04:52 PM	
Thallium	ND	0.23	1.0	mg/Kg	1	4/24/2009 04:52 PM	
Vanadium	36	0.019	1.0	mg/Kg	1	4/24/2009 04:52 PM	
Zinc	34	0.19	1.0	mg/Kg	1	4/24/2009 04:52 PM	

HEXAVALENT CHROMIUM

EPA 7196A

RunID:	WETCHEM3_090427A	QC Batch:	55023	PrepDate:	4/27/2009	Analyst:	CBB
Chromium, Hexavalent	ND	0.074	0.10	mg/Kg	1	4/27/2009	

DIESEL RANGE ORGANICS BY GC/FID LUFT

EPA 8015B(M)

RunID:	GC8_BACK_090429B	QC Batch:	54920	PrepDate:	4/22/2009	Analyst:	CBR
DRO	16	10	10	mg/Kg	1	4/30/2009 02:19 PM	
Surr: p-Terphenyl	90.8	0	57-144	%REC	1	4/30/2009 02:19 PM	

HYDROCARBON CHAIN IDENTIFICATION LUFT

EPA 8015B(M)

RunID:	GC8_BACK_090429B	QC Batch:	54920	PrepDate:	4/22/2009	Analyst:	CBR
T/R Hydrocarbons: C13-C22	ND	10	10	mg/Kg	1	4/30/2009 02:19 PM	
T/R Hydrocarbons: C23-C32	15	10	10	mg/Kg	1	4/30/2009 02:19 PM	
T/R Hydrocarbons:>C32	45	10	10	mg/Kg	1	4/30/2009 02:19 PM	
Surr: p-Terphenyl	86.9	0	57-144	%REC	1	4/30/2009 02:19 PM	

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105148
Project: 207126015
Lab ID: 105148-009A

Client Sample ID: 1001-109-20-S
Collection Date: 4/21/2009 8:40:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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PCBS BY GC/ECD

EPA 3550B		EPA 8082					
RunID: GC5_090423B	QC Batch: 54965			PrepDate:	4/23/2009	Analyst: BB	
Aroclor 1016	ND	5.0	16	µg/Kg	1	4/24/2009 09:08 AM	
Aroclor 1221	ND	5.0	33	µg/Kg	1	4/24/2009 09:08 AM	
Aroclor 1232	ND	5.0	16	µg/Kg	1	4/24/2009 09:08 AM	
Aroclor 1242	ND	5.0	16	µg/Kg	1	4/24/2009 09:08 AM	
Aroclor 1248	ND	5.0	16	µg/Kg	1	4/24/2009 09:08 AM	
Aroclor 1254	ND	5.0	16	µg/Kg	1	4/24/2009 09:08 AM	
Aroclor 1260	ND	5.0	16	µg/Kg	1	4/24/2009 09:08 AM	
Aroclor 1262	ND	5.0	16	µg/Kg	1	4/24/2009 09:08 AM	
Aroclor 1268	ND	5.0	16	µg/Kg	1	4/24/2009 09:08 AM	
Surr: Decachlorobiphenyl	82.9	0	30-124	%REC	1	4/24/2009 09:08 AM	
Surr: Tetrachloro-m-xylene	103	0	40-118	%REC	1	4/24/2009 09:08 AM	

MERCURY BY COLD VAPOR TECHNIQUE

EPA 7471A							
RunID: AA5_090423B	QC Batch: 54933			PrepDate:	4/23/2009	Analyst: RQ	
Mercury	ND	0.021	0.10	mg/Kg	1	4/23/2009 12:23 PM	

SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3550B		EPA 8270C					
RunID: MS6_090423A	QC Batch: 54928			PrepDate:	4/22/2009	Analyst: DMP	
1,2,4-Trichlorobenzene	ND	82	330	µg/Kg	1	4/23/2009 07:08 PM	
1,2-Dichlorobenzene	ND	85	330	µg/Kg	1	4/23/2009 07:08 PM	
1,3-Dichlorobenzene	ND	74	330	µg/Kg	1	4/23/2009 07:08 PM	
1,4-Dichlorobenzene	ND	78	330	µg/Kg	1	4/23/2009 07:08 PM	
2,4,5-Trichlorophenol	ND	56	330	µg/Kg	1	4/23/2009 07:08 PM	
2,4,6-Trichlorophenol	ND	78	330	µg/Kg	1	4/23/2009 07:08 PM	
2,4-Dichlorophenol	ND	87	1600	µg/Kg	1	4/23/2009 07:08 PM	
2,4-Dimethylphenol	ND	88	330	µg/Kg	1	4/23/2009 07:08 PM	
2,4-Dinitrophenol	ND	45	1600	µg/Kg	1	4/23/2009 07:08 PM	
2,4-Dinitrotoluene	ND	67	330	µg/Kg	1	4/23/2009 07:08 PM	
2,6-Dinitrotoluene	ND	67	330	µg/Kg	1	4/23/2009 07:08 PM	
2-Chloronaphthalene	ND	70	330	µg/Kg	1	4/23/2009 07:08 PM	
2-Chlorophenol	ND	89	330	µg/Kg	1	4/23/2009 07:08 PM	
2-Methylnaphthalene	ND	78	330	µg/Kg	1	4/23/2009 07:08 PM	
2-Methylphenol	ND	96	330	µg/Kg	1	4/23/2009 07:08 PM	

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105148
Project: 207126015
Lab ID: 105148-009A

Client Sample ID: 1001-109-20-S
Collection Date: 4/21/2009 8:40:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3550B

EPA 8270C

RunID: MS6_090423A	QC Batch: 54928	PrepDate: 4/22/2009	Analyst: DMP
2-Nitroaniline	ND	79	1600
2-Nitrophenol	ND	70	330
3,3'-Dichlorobenzidine	ND	78	660
3-Nitroaniline	ND	60	1600
4,6-Dinitro-2-methylphenol	ND	63	1600
4-Bromophenyl-phenylether	ND	73	330
4-Chloro-3-methylphenol	ND	75	660
4-Chloroaniline	ND	73	660
4-Chlorophenyl-phenylether	ND	70	330
4-Methylphenol	ND	79	330
4-Nitroaniline	ND	60	1600
4-Nitrophenol	ND	71	1600
Acenaphthene	ND	70	330
Acenaphthylene	ND	69	330
Anthracene	ND	76	330
Benzidine (M)	ND	71	1600
Benzo(a)anthracene	ND	69	330
Benzo(a)pyrene	ND	82	330
Benzo(b)fluoranthene	ND	70	330
Benzo(g,h,i)perylene	ND	71	330
Benzo(k)fluoranthene	ND	98	330
Benzoic acid	ND	64	1600
Benzyl alcohol	ND	86	660
Bis(2-chloroethoxy)methane	ND	79	330
Bis(2-chloroethyl)ether	ND	81	330
Bis(2-chloroisopropyl)ether	ND	91	330
Bis(2-ethylhexyl)phthalate	ND	72	330
Butylbenzylphthalate	ND	72	330
Chrysene	ND	79	330
Di-n-butylphthalate	ND	78	330
Di-n-octylphthalate	ND	71	330
Dibenz(a,h)anthracene	ND	83	330
Dibenzofuran	ND	68	330
Diethylphthalate	ND	74	330
Dimethylphthalate	ND	69	330

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
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Print Date: 01-May-09

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Project: 207126015
Lab ID: 105148-009A

Client Sample ID: 1001-109-20-S
Collection Date: 4/21/2009 8:40:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3550B

EPA 8270C

RunID: MS6_090423A	QC Batch: 54928	PrepDate: 4/22/2009	Analyst: DMP
Fluoranthene	ND	73	330
Fluorene	ND	69	330
Hexachlorobenzene	ND	76	330
Hexachlorobutadiene	ND	77	660
Hexachlorocyclopentadiene	ND	80	660
Hexachloroethane	ND	81	330
Indeno(1,2,3-cd)pyrene	ND	69	330
Isophorone	ND	85	330
N-Nitrosodi-n-propylamine	ND	82	330
N-Nitrosodiphenylamine	ND	79	330
Naphthalene	ND	86	330
Nitrobenzene	ND	82	330
Pentachlorophenol	ND	55	1600
Phenanthrene	ND	76	330
Phenol	ND	95	330
Pyrene	ND	77	330
Surr: 1,2-Dichlorobenzene-d4	69.5	0	49-103
Surr: 2,4,6-Tribromophenol	89.3	0	47-129
Surr: 2-Chlorophenol-d4	74.2	0	54-109
Surr: 2-Fluorobiphenyl	82.3	0	59-108
Surr: 2-Fluorophenol	75.7	0	50-111
Surr: 4-Terphenyl-d14	103	0	58-135
Surr: Nitrobenzene-d5	86.6	0	54-115
Surr: Phenol-d5	79.6	0	58-112

PH

EPA 9045C

RunID: WETCHEM_090423A	QC Batch: R108435	PrepDate:	Analyst: DDL
pH	7.9	0.10	0.10

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105148
Project: 207126015
Lab ID: 105148-009B

Client Sample ID: 1001-109-20-S
Collection Date: 4/21/2009 8:40:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS4_090422A	QC Batch: K09VS061	PrepDate: 4/22/2009	Analyst: HH
1,1,1,2-Tetrachloroethane	ND 1.6	4.6	µg/Kg 1 4/22/2009 03:05 PM
1,1,1-Trichloroethane	ND 0.59	4.6	µg/Kg 1 4/22/2009 03:05 PM
1,1,2,2-Tetrachloroethane	ND 1.4	4.6	µg/Kg 1 4/22/2009 03:05 PM
1,1,2-Trichloroethane	ND 1.5	4.6	µg/Kg 1 4/22/2009 03:05 PM
1,1-Dichloroethane	ND 0.46	4.6	µg/Kg 1 4/22/2009 03:05 PM
1,1-Dichloroethene	ND 1.2	4.6	µg/Kg 1 4/22/2009 03:05 PM
1,1-Dichloropropene	ND 1.4	4.6	µg/Kg 1 4/22/2009 03:05 PM
1,2,3-Trichlorobenzene	ND 0.95	4.6	µg/Kg 1 4/22/2009 03:05 PM
1,2,3-Trichloropropane	ND 0.68	4.6	µg/Kg 1 4/22/2009 03:05 PM
1,2,4-Trichlorobenzene	ND 1.2	4.6	µg/Kg 1 4/22/2009 03:05 PM
1,2,4-Trimethylbenzene	ND 0.78	4.6	µg/Kg 1 4/22/2009 03:05 PM
1,2-Dibromo-3-chloropropane	ND 1.8	9.1	µg/Kg 1 4/22/2009 03:05 PM
1,2-Dibromoethane	ND 1.3	4.6	µg/Kg 1 4/22/2009 03:05 PM
1,2-Dichlorobenzene	ND 0.76	4.6	µg/Kg 1 4/22/2009 03:05 PM
1,2-Dichloroethane	ND 1.1	4.6	µg/Kg 1 4/22/2009 03:05 PM
1,2-Dichloropropane	ND 1.4	4.6	µg/Kg 1 4/22/2009 03:05 PM
1,3,5-Trimethylbenzene	ND 0.91	4.6	µg/Kg 1 4/22/2009 03:05 PM
1,3-Dichlorobenzene	ND 0.92	4.6	µg/Kg 1 4/22/2009 03:05 PM
1,3-Dichloropropane	ND 0.96	4.6	µg/Kg 1 4/22/2009 03:05 PM
1,4-Dichlorobenzene	ND 1.1	4.6	µg/Kg 1 4/22/2009 03:05 PM
2,2-Dichloropropane	ND 0.79	4.6	µg/Kg 1 4/22/2009 03:05 PM
2-Chlorotoluene	ND 0.60	4.6	µg/Kg 1 4/22/2009 03:05 PM
4-Chlorotoluene	ND 0.62	4.6	µg/Kg 1 4/22/2009 03:05 PM
4-Isopropyltoluene	ND 0.52	4.6	µg/Kg 1 4/22/2009 03:05 PM
Benzene	ND 0.75	4.6	µg/Kg 1 4/22/2009 03:05 PM
Bromobenzene	ND 1.4	4.6	µg/Kg 1 4/22/2009 03:05 PM
Bromodichloromethane	ND 0.78	4.6	µg/Kg 1 4/22/2009 03:05 PM
Bromoform	ND 1.1	4.6	µg/Kg 1 4/22/2009 03:05 PM
Bromomethane	ND 0.80	4.6	µg/Kg 1 4/22/2009 03:05 PM
Carbon tetrachloride	ND 1.2	4.6	µg/Kg 1 4/22/2009 03:05 PM
Chlorobenzene	ND 0.82	4.6	µg/Kg 1 4/22/2009 03:05 PM
Chloroethane	ND 1.2	4.6	µg/Kg 1 4/22/2009 03:05 PM
Chloroform	ND 0.57	4.6	µg/Kg 1 4/22/2009 03:05 PM
Chloromethane	ND 0.75	4.6	µg/Kg 1 4/22/2009 03:05 PM
cis-1,2-Dichloroethene	ND 1.1	4.6	µg/Kg 1 4/22/2009 03:05 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
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	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105148
Project: 207126015
Lab ID: 105148-009B

Client Sample ID: 1001-109-20-S
Collection Date: 4/21/2009 8:40:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS4_090422A	QC Batch: K09VS061	PrepDate: 4/22/2009	Analyst: HH
cis-1,3-Dichloropropene	ND 1.2	4.6	µg/Kg 1 4/22/2009 03:05 PM
Dibromochloromethane	ND 0.62	4.6	µg/Kg 1 4/22/2009 03:05 PM
Dibromomethane	ND 1.5	4.6	µg/Kg 1 4/22/2009 03:05 PM
Dichlorodifluoromethane	ND 0.55	4.6	µg/Kg 1 4/22/2009 03:05 PM
Ethylbenzene	ND 0.83	4.6	µg/Kg 1 4/22/2009 03:05 PM
Hexachlorobutadiene	ND 3.1	4.6	µg/Kg 1 4/22/2009 03:05 PM
Isopropylbenzene	ND 1.1	4.6	µg/Kg 1 4/22/2009 03:05 PM
m,p-Xylene	ND 1.5	9.1	µg/Kg 1 4/22/2009 03:05 PM
Methylene chloride	ND 4.6	4.6	µg/Kg 1 4/22/2009 03:05 PM
n-Butylbenzene	ND 0.95	4.6	µg/Kg 1 4/22/2009 03:05 PM
n-Propylbenzene	ND 0.82	4.6	µg/Kg 1 4/22/2009 03:05 PM
Naphthalene	ND 1.5	4.6	µg/Kg 1 4/22/2009 03:05 PM
o-Xylene	ND 0.94	4.6	µg/Kg 1 4/22/2009 03:05 PM
sec-Butylbenzene	ND 0.78	4.6	µg/Kg 1 4/22/2009 03:05 PM
Styrene	ND 0.82	4.6	µg/Kg 1 4/22/2009 03:05 PM
tert-Butylbenzene	ND 0.56	4.6	µg/Kg 1 4/22/2009 03:05 PM
Tetrachloroethene	ND 0.96	4.6	µg/Kg 1 4/22/2009 03:05 PM
Toluene	ND 0.76	4.6	µg/Kg 1 4/22/2009 03:05 PM
trans-1,2-Dichloroethene	ND 0.91	4.6	µg/Kg 1 4/22/2009 03:05 PM
Trichloroethene	ND 1.8	4.6	µg/Kg 1 4/22/2009 03:05 PM
Trichlorofluoromethane	ND 1.1	4.6	µg/Kg 1 4/22/2009 03:05 PM
Vinyl chloride	ND 0.54	4.6	µg/Kg 1 4/22/2009 03:05 PM
Surr: 1,2-Dichloroethane-d4	117 0	68-147	%REC 1 4/22/2009 03:05 PM
Surr: 4-Bromofluorobenzene	104 0	67-127	%REC 1 4/22/2009 03:05 PM
Surr: Dibromofluoromethane	111 0	72-141	%REC 1 4/22/2009 03:05 PM
Surr: Toluene-d8	109 0	75-120	%REC 1 4/22/2009 03:05 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105148
Project: 207126015
Lab ID: 105148-009E

Client Sample ID: 1001-109-20-S
Collection Date: 4/21/2009 8:40:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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GASOLINE RANGE ORGANICS BY GC/FID

EPA 8015B(M)

RunID: GC2_090422A	QC Batch: E09VS107	PrepDate: 4/21/2009	Analyst: KHN		
GRO	ND 0.13	0.90	mg/Kg	1	4/22/2009 02:18 PM
Surr: Bromofluorobenzene (FID)	115 0	59-145	%REC	1	4/22/2009 02:18 PM

HYDROCARBON CHAIN IDENTIFICATION

EPA 8015B

RunID: GC2_090422A	QC Batch: E09VS107	PrepDate: 4/21/2009	Analyst: KHN		
T/R Hydrocarbons: C4-C12	ND 0.17	0.90	mg/Kg	1	4/22/2009 02:18 PM
Surr: Bromofluorobenzene (FID)	115 0	59-145	%REC	1	4/22/2009 02:18 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105148
Project: 207126015
Lab ID: 105148-010A

Client Sample ID: 1001-108-2-S
Collection Date: 4/21/2009 9:05:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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ICP METALS

EPA 3050B

EPA 6010B

RunID:	ICP8_090424F	QC Batch:	54944	PrepDate:	4/23/2009	Analyst:	CL
Antimony	ND	0.28	2.0	mg/Kg	1	4/24/2009 04:55 PM	
Arsenic	ND	0.27	1.0	mg/Kg	1	4/24/2009 04:55 PM	
Barium	210	0.13	1.0	mg/Kg	1	4/24/2009 04:55 PM	
Beryllium	ND	0.055	1.0	mg/Kg	1	4/24/2009 04:55 PM	
Cadmium	ND	0.0064	1.0	mg/Kg	1	4/24/2009 04:55 PM	
Chromium	26	0.088	1.0	mg/Kg	1	4/24/2009 04:55 PM	
Cobalt	11	0.014	1.0	mg/Kg	1	4/24/2009 04:55 PM	
Copper	29	0.26	2.0	mg/Kg	1	4/24/2009 04:55 PM	
Lead	1.3	0.11	1.0	mg/Kg	1	4/24/2009 04:55 PM	
Molybdenum	ND	0.043	1.0	mg/Kg	1	4/24/2009 04:55 PM	
Nickel	19	0.032	1.0	mg/Kg	1	4/24/2009 04:55 PM	
Selenium	ND	0.43	1.0	mg/Kg	1	4/24/2009 04:55 PM	
Silver	ND	0.017	1.0	mg/Kg	1	4/24/2009 04:55 PM	
Thallium	ND	0.23	1.0	mg/Kg	1	4/24/2009 04:55 PM	
Vanadium	59	0.019	1.0	mg/Kg	1	4/24/2009 04:55 PM	
Zinc	62	0.19	1.0	mg/Kg	1	4/24/2009 04:55 PM	

HEXAVALENT CHROMIUM

EPA 7196A

RunID:	WETCHEM3_090427A	QC Batch:	55023	PrepDate:	4/27/2009	Analyst:	CBB
Chromium, Hexavalent	ND	0.074	0.10	mg/Kg	1	4/27/2009	

DIESEL RANGE ORGANICS BY GC/FID LUFT

EPA 8015B(M)

RunID:	GC16_090423D	QC Batch:	54921	PrepDate:	4/22/2009	Analyst:	CBR
DRO	ND	10	10	mg/Kg	1	4/27/2009 10:45 AM	
Surr: p-Terphenyl	126	0	57-144	%REC	1	4/27/2009 10:45 AM	

HYDROCARBON CHAIN IDENTIFICATION LUFT

EPA 8015B(M)

RunID:	GC16_090423D	QC Batch:	54921	PrepDate:	4/22/2009	Analyst:	CBR
T/R Hydrocarbons: C13-C22	ND	10	10	mg/Kg	1	4/27/2009 10:45 AM	
T/R Hydrocarbons: C23-C32	ND	10	10	mg/Kg	1	4/27/2009 10:45 AM	
T/R Hydrocarbons:>C32	ND	10	10	mg/Kg	1	4/27/2009 10:45 AM	
Surr: p-Terphenyl	126	0	57-144	%REC	1	4/27/2009 10:45 AM	

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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Print Date: 01-May-09

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Lab Order: 105148
Project: 207126015
Lab ID: 105148-010A

Client Sample ID: 1001-108-2-S
Collection Date: 4/21/2009 9:05:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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PCBS BY GC/ECD

EPA 3550B

EPA 8082

RunID: GC5_090423B	QC Batch: 54965	PrepDate: 4/23/2009	Analyst: BB			
Aroclor 1016	ND	5.0	16	µg/Kg	1	4/24/2009 09:38 AM
Aroclor 1221	ND	5.0	33	µg/Kg	1	4/24/2009 09:38 AM
Aroclor 1232	ND	5.0	16	µg/Kg	1	4/24/2009 09:38 AM
Aroclor 1242	ND	5.0	16	µg/Kg	1	4/24/2009 09:38 AM
Aroclor 1248	ND	5.0	16	µg/Kg	1	4/24/2009 09:38 AM
Aroclor 1254	ND	5.0	16	µg/Kg	1	4/24/2009 09:38 AM
Aroclor 1260	ND	5.0	16	µg/Kg	1	4/24/2009 09:38 AM
Aroclor 1262	ND	5.0	16	µg/Kg	1	4/24/2009 09:38 AM
Aroclor 1268	ND	5.0	16	µg/Kg	1	4/24/2009 09:38 AM
Surr: Decachlorobiphenyl	82.6	0	30-124	%REC	1	4/24/2009 09:38 AM
Surr: Tetrachloro-m-xylene	105	0	40-118	%REC	1	4/24/2009 09:38 AM

MERCURY BY COLD VAPOR TECHNIQUE

EPA 7471A

RunID: AA5_090423B	QC Batch: 54933	PrepDate: 4/23/2009	Analyst: RQ			
Mercury	ND	0.021	0.10	mg/Kg	1	4/23/2009 11:59 AM

SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3550B

EPA 8270C

RunID: MS6_090423A	QC Batch: 54928	PrepDate: 4/22/2009	Analyst: DMP			
1,2,4-Trichlorobenzene	ND	82	330	µg/Kg	1	4/23/2009 07:36 PM
1,2-Dichlorobenzene	ND	85	330	µg/Kg	1	4/23/2009 07:36 PM
1,3-Dichlorobenzene	ND	74	330	µg/Kg	1	4/23/2009 07:36 PM
1,4-Dichlorobenzene	ND	78	330	µg/Kg	1	4/23/2009 07:36 PM
2,4,5-Trichlorophenol	ND	56	330	µg/Kg	1	4/23/2009 07:36 PM
2,4,6-Trichlorophenol	ND	78	330	µg/Kg	1	4/23/2009 07:36 PM
2,4-Dichlorophenol	ND	87	1600	µg/Kg	1	4/23/2009 07:36 PM
2,4-Dimethylphenol	ND	88	330	µg/Kg	1	4/23/2009 07:36 PM
2,4-Dinitrophenol	ND	45	1600	µg/Kg	1	4/23/2009 07:36 PM
2,4-Dinitrotoluene	ND	67	330	µg/Kg	1	4/23/2009 07:36 PM
2,6-Dinitrotoluene	ND	67	330	µg/Kg	1	4/23/2009 07:36 PM
2-Chloronaphthalene	ND	70	330	µg/Kg	1	4/23/2009 07:36 PM
2-Chlorophenol	ND	89	330	µg/Kg	1	4/23/2009 07:36 PM
2-Methylnaphthalene	ND	78	330	µg/Kg	1	4/23/2009 07:36 PM
2-Methylphenol	ND	96	330	µg/Kg	1	4/23/2009 07:36 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit	
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified	
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Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105148
Project: 207126015
Lab ID: 105148-010A

Client Sample ID: 1001-108-2-S
Collection Date: 4/21/2009 9:05:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3550B

EPA 8270C

RunID: MS6_090423A	QC Batch: 54928	PrepDate: 4/22/2009	Analyst: DMP
2-Nitroaniline	ND	79	1600
2-Nitrophenol	ND	70	330
3,3'-Dichlorobenzidine	ND	78	660
3-Nitroaniline	ND	60	1600
4,6-Dinitro-2-methylphenol	ND	63	1600
4-Bromophenyl-phenylether	ND	73	330
4-Chloro-3-methylphenol	ND	75	660
4-Chloroaniline	ND	73	660
4-Chlorophenyl-phenylether	ND	70	330
4-Methylphenol	ND	79	330
4-Nitroaniline	ND	60	1600
4-Nitrophenol	ND	71	1600
Acenaphthene	ND	70	330
Acenaphthylene	ND	69	330
Anthracene	ND	76	330
Benzidine (M)	ND	71	1600
Benzo(a)anthracene	ND	69	330
Benzo(a)pyrene	ND	82	330
Benzo(b)fluoranthene	ND	70	330
Benzo(g,h,i)perylene	ND	71	330
Benzo(k)fluoranthene	ND	98	330
Benzoic acid	ND	64	1600
Benzyl alcohol	ND	86	660
Bis(2-chloroethoxy)methane	ND	79	330
Bis(2-chloroethyl)ether	ND	81	330
Bis(2-chloroisopropyl)ether	ND	91	330
Bis(2-ethylhexyl)phthalate	ND	72	330
Butylbenzylphthalate	ND	72	330
Chrysene	ND	79	330
Di-n-butylphthalate	ND	78	330
Di-n-octylphthalate	ND	71	330
Dibenz(a,h)anthracene	ND	83	330
Dibenzofuran	ND	68	330
Diethylphthalate	ND	74	330
Dimethylphthalate	ND	69	330

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



Advanced Technology
Laboratories

3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105148
Project: 207126015
Lab ID: 105148-010A

Client Sample ID: 1001-108-2-S
Collection Date: 4/21/2009 9:05:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3550B

EPA 8270C

RunID: MS6_090423A	QC Batch: 54928	PrepDate: 4/22/2009	Analyst: DMP
Fluoranthene	ND	73	330
Fluorene	ND	69	330
Hexachlorobenzene	ND	76	330
Hexachlorobutadiene	ND	77	660
Hexachlorocyclopentadiene	ND	80	660
Hexachloroethane	ND	81	330
Indeno(1,2,3-cd)pyrene	ND	69	330
Isophorone	ND	85	330
N-Nitrosodi-n-propylamine	ND	82	330
N-Nitrosodiphenylamine	ND	79	330
Naphthalene	ND	86	330
Nitrobenzene	ND	82	330
Pentachlorophenol	ND	55	1600
Phenanthrene	ND	76	330
Phenol	ND	95	330
Pyrene	ND	77	330
Surr: 1,2-Dichlorobenzene-d4	72.7	0	49-103
Surr: 2,4,6-Tribromophenol	99.4	0	47-129
Surr: 2-Chlorophenol-d4	78.3	0	54-109
Surr: 2-Fluorobiphenyl	85.2	0	59-108
Surr: 2-Fluorophenol	79.3	0	50-111
Surr: 4-Terphenyl-d14	109	0	58-135
Surr: Nitrobenzene-d5	90.9	0	54-115
Surr: Phenol-d5	82.1	0	58-112

PH

EPA 9045C

RunID: WETCHEM_090423A	QC Batch: R108435	PrepDate:	Analyst: DDL
pH	8.2	0.10	0.10

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105148
Project: 207126015
Lab ID: 105148-010B

Client Sample ID: 1001-108-2-S
Collection Date: 4/21/2009 9:05:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS4_090422A	QC Batch: K09VS061	PrepDate: 4/22/2009	Analyst: HH
1,1,1,2-Tetrachloroethane	ND 1.6	4.6	µg/Kg 1 4/22/2009 03:22 PM
1,1,1-Trichloroethane	ND 0.59	4.6	µg/Kg 1 4/22/2009 03:22 PM
1,1,2,2-Tetrachloroethane	ND 1.4	4.6	µg/Kg 1 4/22/2009 03:22 PM
1,1,2-Trichloroethane	ND 1.5	4.6	µg/Kg 1 4/22/2009 03:22 PM
1,1-Dichloroethane	ND 0.46	4.6	µg/Kg 1 4/22/2009 03:22 PM
1,1-Dichloroethene	ND 1.2	4.6	µg/Kg 1 4/22/2009 03:22 PM
1,1-Dichloropropene	ND 1.4	4.6	µg/Kg 1 4/22/2009 03:22 PM
1,2,3-Trichlorobenzene	ND 0.95	4.6	µg/Kg 1 4/22/2009 03:22 PM
1,2,3-Trichloropropane	ND 0.69	4.6	µg/Kg 1 4/22/2009 03:22 PM
1,2,4-Trichlorobenzene	ND 1.2	4.6	µg/Kg 1 4/22/2009 03:22 PM
1,2,4-Trimethylbenzene	ND 0.79	4.6	µg/Kg 1 4/22/2009 03:22 PM
1,2-Dibromo-3-chloropropane	ND 1.8	9.2	µg/Kg 1 4/22/2009 03:22 PM
1,2-Dibromoethane	ND 1.3	4.6	µg/Kg 1 4/22/2009 03:22 PM
1,2-Dichlorobenzene	ND 0.76	4.6	µg/Kg 1 4/22/2009 03:22 PM
1,2-Dichloroethane	ND 1.1	4.6	µg/Kg 1 4/22/2009 03:22 PM
1,2-Dichloropropane	ND 1.4	4.6	µg/Kg 1 4/22/2009 03:22 PM
1,3,5-Trimethylbenzene	ND 0.92	4.6	µg/Kg 1 4/22/2009 03:22 PM
1,3-Dichlorobenzene	ND 0.92	4.6	µg/Kg 1 4/22/2009 03:22 PM
1,3-Dichloropropane	ND 0.96	4.6	µg/Kg 1 4/22/2009 03:22 PM
1,4-Dichlorobenzene	ND 1.1	4.6	µg/Kg 1 4/22/2009 03:22 PM
2,2-Dichloropropane	ND 0.80	4.6	µg/Kg 1 4/22/2009 03:22 PM
2-Chlorotoluene	ND 0.60	4.6	µg/Kg 1 4/22/2009 03:22 PM
4-Chlorotoluene	ND 0.62	4.6	µg/Kg 1 4/22/2009 03:22 PM
4-Isopropyltoluene	ND 0.52	4.6	µg/Kg 1 4/22/2009 03:22 PM
Benzene	ND 0.75	4.6	µg/Kg 1 4/22/2009 03:22 PM
Bromobenzene	ND 1.4	4.6	µg/Kg 1 4/22/2009 03:22 PM
Bromodichloromethane	ND 0.78	4.6	µg/Kg 1 4/22/2009 03:22 PM
Bromoform	ND 1.1	4.6	µg/Kg 1 4/22/2009 03:22 PM
Bromomethane	ND 0.80	4.6	µg/Kg 1 4/22/2009 03:22 PM
Carbon tetrachloride	ND 1.2	4.6	µg/Kg 1 4/22/2009 03:22 PM
Chlorobenzene	ND 0.82	4.6	µg/Kg 1 4/22/2009 03:22 PM
Chloroethane	ND 1.2	4.6	µg/Kg 1 4/22/2009 03:22 PM
Chloroform	ND 0.57	4.6	µg/Kg 1 4/22/2009 03:22 PM
Chloromethane	ND 0.75	4.6	µg/Kg 1 4/22/2009 03:22 PM
cis-1,2-Dichloroethene	ND 1.1	4.6	µg/Kg 1 4/22/2009 03:22 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105148
Project: 207126015
Lab ID: 105148-010B

Client Sample ID: 1001-108-2-S
Collection Date: 4/21/2009 9:05:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS4_090422A	QC Batch: K09VS061	PrepDate: 4/22/2009	Analyst: HH
cis-1,3-Dichloropropene	ND 1.2	4.6	µg/Kg 1 4/22/2009 03:22 PM
Dibromochloromethane	ND 0.62	4.6	µg/Kg 1 4/22/2009 03:22 PM
Dibromomethane	ND 1.5	4.6	µg/Kg 1 4/22/2009 03:22 PM
Dichlorodifluoromethane	ND 0.55	4.6	µg/Kg 1 4/22/2009 03:22 PM
Ethylbenzene	ND 0.83	4.6	µg/Kg 1 4/22/2009 03:22 PM
Hexachlorobutadiene	ND 3.1	4.6	µg/Kg 1 4/22/2009 03:22 PM
Isopropylbenzene	ND 1.1	4.6	µg/Kg 1 4/22/2009 03:22 PM
m,p-Xylene	ND 1.5	9.2	µg/Kg 1 4/22/2009 03:22 PM
Methylene chloride	ND 4.6	4.6	µg/Kg 1 4/22/2009 03:22 PM
n-Butylbenzene	ND 0.95	4.6	µg/Kg 1 4/22/2009 03:22 PM
n-Propylbenzene	ND 0.83	4.6	µg/Kg 1 4/22/2009 03:22 PM
Naphthalene	ND 1.5	4.6	µg/Kg 1 4/22/2009 03:22 PM
o-Xylene	ND 0.94	4.6	µg/Kg 1 4/22/2009 03:22 PM
sec-Butylbenzene	ND 0.78	4.6	µg/Kg 1 4/22/2009 03:22 PM
Styrene	ND 0.82	4.6	µg/Kg 1 4/22/2009 03:22 PM
tert-Butylbenzene	ND 0.56	4.6	µg/Kg 1 4/22/2009 03:22 PM
Tetrachloroethene	ND 0.97	4.6	µg/Kg 1 4/22/2009 03:22 PM
Toluene	ND 0.76	4.6	µg/Kg 1 4/22/2009 03:22 PM
trans-1,2-Dichloroethene	ND 0.91	4.6	µg/Kg 1 4/22/2009 03:22 PM
Trichloroethene	ND 1.8	4.6	µg/Kg 1 4/22/2009 03:22 PM
Trichlorofluoromethane	ND 1.1	4.6	µg/Kg 1 4/22/2009 03:22 PM
Vinyl chloride	ND 0.54	4.6	µg/Kg 1 4/22/2009 03:22 PM
Surr: 1,2-Dichloroethane-d4	131 0	68-147	%REC 1 4/22/2009 03:22 PM
Surr: 4-Bromofluorobenzene	112 0	67-127	%REC 1 4/22/2009 03:22 PM
Surr: Dibromofluoromethane	125 0	72-141	%REC 1 4/22/2009 03:22 PM
Surr: Toluene-d8	108 0	75-120	%REC 1 4/22/2009 03:22 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
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	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105148
Project: 207126015
Lab ID: 105148-010E

Client Sample ID: 1001-108-2-S
Collection Date: 4/21/2009 9:05:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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GASOLINE RANGE ORGANICS BY GC/FID

EPA 8015B(M)

RunID: GC2_090422A	QC Batch: E09VS107	PrepDate: 4/21/2009	Analyst: KHN		
GRO	ND 0.13	0.84	mg/Kg	1	4/22/2009 02:33 PM
Surr: Bromofluorobenzene (FID)	113 0	59-145	%REC	1	4/22/2009 02:33 PM

HYDROCARBON CHAIN IDENTIFICATION

EPA 8015B

RunID: GC2_090422A	QC Batch: E09VS107	PrepDate: 4/21/2009	Analyst: KHN		
T/R Hydrocarbons: C4-C12	ND 0.16	0.84	mg/Kg	1	4/22/2009 02:33 PM
Surr: Bromofluorobenzene (FID)	113 0	59-145	%REC	1	4/22/2009 02:33 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105148
Project: 207126015
Lab ID: 105148-011A

Client Sample ID: 1001-108-5-S
Collection Date: 4/21/2009 9:10:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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ICP METALS

EPA 3050B

EPA 6010B

RunID:	ICP8_090427H	QC Batch:	54945	PrepDate:	4/23/2009	Analyst:	CL
Antimony	ND	0.28	2.0	mg/Kg	1	4/27/2009 04:45 PM	
Arsenic	ND	0.27	1.0	mg/Kg	1	4/27/2009 04:45 PM	
Barium	130	0.13	1.0	mg/Kg	1	4/27/2009 04:45 PM	
Beryllium	ND	0.055	1.0	mg/Kg	1	4/27/2009 04:45 PM	
Cadmium	ND	0.0064	1.0	mg/Kg	1	4/27/2009 04:45 PM	
Chromium	21	0.088	1.0	mg/Kg	1	4/27/2009 04:45 PM	
Cobalt	8.3	0.014	1.0	mg/Kg	1	4/27/2009 04:45 PM	
Copper	18	0.26	2.0	mg/Kg	1	4/27/2009 04:45 PM	
Lead	ND	0.11	1.0	mg/Kg	1	4/27/2009 04:45 PM	
Molybdenum	ND	0.043	1.0	mg/Kg	1	4/27/2009 04:45 PM	
Nickel	15	0.032	1.0	mg/Kg	1	4/27/2009 04:45 PM	
Selenium	ND	0.43	1.0	mg/Kg	1	4/27/2009 04:45 PM	
Silver	ND	0.017	1.0	mg/Kg	1	4/27/2009 04:45 PM	
Thallium	ND	0.23	1.0	mg/Kg	1	4/27/2009 04:45 PM	
Vanadium	50	0.019	1.0	mg/Kg	1	4/27/2009 04:45 PM	
Zinc	44	0.19	1.0	mg/Kg	1	4/27/2009 04:45 PM	

HEXAVALENT CHROMIUM

EPA 7196A

RunID:	WETCHEM3_090427B	QC Batch:	55024	PrepDate:	4/27/2009	Analyst:	CBB
Chromium, Hexavalent	ND	0.074	0.10	mg/Kg	1	4/27/2009	

DIESEL RANGE ORGANICS BY GC/FID LUFT

EPA 8015B(M)

RunID:	GC16_090423D	QC Batch:	54921	PrepDate:	4/22/2009	Analyst:	CBR
DRO	ND	10	10	mg/Kg	1	4/23/2009 11:59 PM	
Surr: p-Terphenyl	101	0	57-144	%REC	1	4/23/2009 11:59 PM	

HYDROCARBON CHAIN IDENTIFICATION LUFT

EPA 8015B(M)

RunID:	GC16_090423D	QC Batch:	54921	PrepDate:	4/22/2009	Analyst:	CBR
T/R Hydrocarbons: C13-C22	ND	10	10	mg/Kg	1	4/23/2009 11:59 PM	
T/R Hydrocarbons: C23-C32	ND	10	10	mg/Kg	1	4/23/2009 11:59 PM	
T/R Hydrocarbons:>C32	ND	10	10	mg/Kg	1	4/23/2009 11:59 PM	
Surr: p-Terphenyl	101	0	57-144	%REC	1	4/23/2009 11:59 PM	

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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Advanced Technology Laboratories**ANALYTICAL RESULTS**

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105148
Project: 207126015
Lab ID: 105148-011A

Client Sample ID: 1001-108-5-S
Collection Date: 4/21/2009 9:10:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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PCBS BY GC/ECD**EPA 3550B****EPA 8082**

RunID: GC5_090423A	QC Batch: 54966			PrepDate: 4/23/2009	Analyst: BB
Aroclor 1016	ND	5.0	16	µg/Kg	1 4/23/2009 08:15 PM
Aroclor 1221	ND	5.0	33	µg/Kg	1 4/23/2009 08:15 PM
Aroclor 1232	ND	5.0	16	µg/Kg	1 4/23/2009 08:15 PM
Aroclor 1242	ND	5.0	16	µg/Kg	1 4/23/2009 08:15 PM
Aroclor 1248	ND	5.0	16	µg/Kg	1 4/23/2009 08:15 PM
Aroclor 1254	ND	5.0	16	µg/Kg	1 4/23/2009 08:15 PM
Aroclor 1260	ND	5.0	16	µg/Kg	1 4/23/2009 08:15 PM
Aroclor 1262	ND	5.0	16	µg/Kg	1 4/23/2009 08:15 PM
Aroclor 1268	ND	5.0	16	µg/Kg	1 4/23/2009 08:15 PM
Surr: Decachlorobiphenyl	80.0	0	30-124	%REC	1 4/23/2009 08:15 PM
Surr: Tetrachloro-m-xylene	108	0	40-118	%REC	1 4/23/2009 08:15 PM

MERCURY BY COLD VAPOR TECHNIQUE**EPA 7471A**

RunID: AA5_090423C	QC Batch: 54934			PrepDate: 4/23/2009	Analyst: RQ
Mercury	ND	0.021	0.10	mg/Kg	1 4/23/2009 12:45 PM

SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS**EPA 3550B****EPA 8270C**

RunID: MS6_090423A	QC Batch: 54928			PrepDate: 4/22/2009	Analyst: DMP
1,2,4-Trichlorobenzene	ND	82	330	µg/Kg	1 4/23/2009 08:31 PM
1,2-Dichlorobenzene	ND	85	330	µg/Kg	1 4/23/2009 08:31 PM
1,3-Dichlorobenzene	ND	74	330	µg/Kg	1 4/23/2009 08:31 PM
1,4-Dichlorobenzene	ND	78	330	µg/Kg	1 4/23/2009 08:31 PM
2,4,5-Trichlorophenol	ND	56	330	µg/Kg	1 4/23/2009 08:31 PM
2,4,6-Trichlorophenol	ND	78	330	µg/Kg	1 4/23/2009 08:31 PM
2,4-Dichlorophenol	ND	87	1600	µg/Kg	1 4/23/2009 08:31 PM
2,4-Dimethylphenol	ND	88	330	µg/Kg	1 4/23/2009 08:31 PM
2,4-Dinitrophenol	ND	45	1600	µg/Kg	1 4/23/2009 08:31 PM
2,4-Dinitrotoluene	ND	67	330	µg/Kg	1 4/23/2009 08:31 PM
2,6-Dinitrotoluene	ND	67	330	µg/Kg	1 4/23/2009 08:31 PM
2-Chloronaphthalene	ND	70	330	µg/Kg	1 4/23/2009 08:31 PM
2-Chlorophenol	ND	89	330	µg/Kg	1 4/23/2009 08:31 PM
2-Methylnaphthalene	ND	78	330	µg/Kg	1 4/23/2009 08:31 PM
2-Methylphenol	ND	96	330	µg/Kg	1 4/23/2009 08:31 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105148
Project: 207126015
Lab ID: 105148-011A

Client Sample ID: 1001-108-5-S
Collection Date: 4/21/2009 9:10:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3550B

EPA 8270C

RunID: MS6_090423A	QC Batch: 54928	PrepDate: 4/22/2009	Analyst: DMP
2-Nitroaniline	ND	79	1600
2-Nitrophenol	ND	70	330
3,3'-Dichlorobenzidine	ND	78	660
3-Nitroaniline	ND	60	1600
4,6-Dinitro-2-methylphenol	ND	63	1600
4-Bromophenyl-phenylether	ND	73	330
4-Chloro-3-methylphenol	ND	75	660
4-Chloroaniline	ND	73	660
4-Chlorophenyl-phenylether	ND	70	330
4-Methylphenol	ND	79	330
4-Nitroaniline	ND	60	1600
4-Nitrophenol	ND	71	1600
Acenaphthene	ND	70	330
Acenaphthylene	ND	69	330
Anthracene	ND	76	330
Benzidine (M)	ND	71	1600
Benzo(a)anthracene	ND	69	330
Benzo(a)pyrene	ND	82	330
Benzo(b)fluoranthene	ND	70	330
Benzo(g,h,i)perylene	ND	71	330
Benzo(k)fluoranthene	ND	98	330
Benzoic acid	ND	64	1600
Benzyl alcohol	ND	86	660
Bis(2-chloroethoxy)methane	ND	79	330
Bis(2-chloroethyl)ether	ND	81	330
Bis(2-chloroisopropyl)ether	ND	91	330
Bis(2-ethylhexyl)phthalate	ND	72	330
Butylbenzylphthalate	ND	72	330
Chrysene	ND	79	330
Di-n-butylphthalate	ND	78	330
Di-n-octylphthalate	ND	71	330
Dibenz(a,h)anthracene	ND	83	330
Dibenzofuran	ND	68	330
Diethylphthalate	ND	74	330
Dimethylphthalate	ND	69	330

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105148
Project: 207126015
Lab ID: 105148-011A

Client Sample ID: 1001-108-5-S
Collection Date: 4/21/2009 9:10:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3550B

EPA 8270C

RunID: MS6_090423A	QC Batch: 54928	PrepDate: 4/22/2009	Analyst: DMP
Fluoranthene	ND	73	330
Fluorene	ND	69	330
Hexachlorobenzene	ND	76	330
Hexachlorobutadiene	ND	77	660
Hexachlorocyclopentadiene	ND	80	660
Hexachloroethane	ND	81	330
Indeno(1,2,3-cd)pyrene	ND	69	330
Isophorone	ND	85	330
N-Nitrosodi-n-propylamine	ND	82	330
N-Nitrosodiphenylamine	ND	79	330
Naphthalene	ND	86	330
Nitrobenzene	ND	82	330
Pentachlorophenol	ND	55	1600
Phenanthrene	ND	76	330
Phenol	ND	95	330
Pyrene	ND	77	330
Surr: 1,2-Dichlorobenzene-d4	77.4	0	49-103
Surr: 2,4,6-Tribromophenol	93.1	0	47-129
Surr: 2-Chlorophenol-d4	86.6	0	54-109
Surr: 2-Fluorobiphenyl	93.6	0	59-108
Surr: 2-Fluorophenol	87.8	0	50-111
Surr: 4-Terphenyl-d14	115	0	58-135
Surr: Nitrobenzene-d5	99.1	0	54-115
Surr: Phenol-d5	91.5	0	58-112

PH

EPA 9045C

RunID: WETCHEM_090423B	QC Batch: R108436	PrepDate:	Analyst: DDL
pH	8.2	0.10	0.10

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105148
Project: 207126015
Lab ID: 105148-011B

Client Sample ID: 1001-108-5-S
Collection Date: 4/21/2009 9:10:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS5_090422B	QC Batch: T09VS105	PrepDate: 4/22/2009	Analyst: HH
1,1,1,2-Tetrachloroethane	ND 1.7	5.0	µg/Kg 1 4/22/2009 05:42 PM
1,1,1-Trichloroethane	ND 0.64	5.0	µg/Kg 1 4/22/2009 05:42 PM
1,1,2,2-Tetrachloroethane	ND 1.6	5.0	µg/Kg 1 4/22/2009 05:42 PM
1,1,2-Trichloroethane	ND 1.6	5.0	µg/Kg 1 4/22/2009 05:42 PM
1,1-Dichloroethane	ND 0.50	5.0	µg/Kg 1 4/22/2009 05:42 PM
1,1-Dichloroethene	ND 1.3	5.0	µg/Kg 1 4/22/2009 05:42 PM
1,1-Dichloropropene	ND 1.5	5.0	µg/Kg 1 4/22/2009 05:42 PM
1,2,3-Trichlorobenzene	ND 1.0	5.0	µg/Kg 1 4/22/2009 05:42 PM
1,2,3-Trichloropropane	ND 0.75	5.0	µg/Kg 1 4/22/2009 05:42 PM
1,2,4-Trichlorobenzene	ND 1.3	5.0	µg/Kg 1 4/22/2009 05:42 PM
1,2,4-Trimethylbenzene	ND 0.86	5.0	µg/Kg 1 4/22/2009 05:42 PM
1,2-Dibromo-3-chloropropane	ND 1.9	10	µg/Kg 1 4/22/2009 05:42 PM
1,2-Dibromoethane	ND 1.5	5.0	µg/Kg 1 4/22/2009 05:42 PM
1,2-Dichlorobenzene	ND 0.83	5.0	µg/Kg 1 4/22/2009 05:42 PM
1,2-Dichloroethane	ND 1.2	5.0	µg/Kg 1 4/22/2009 05:42 PM
1,2-Dichloropropane	ND 1.6	5.0	µg/Kg 1 4/22/2009 05:42 PM
1,3,5-Trimethylbenzene	ND 1.0	5.0	µg/Kg 1 4/22/2009 05:42 PM
1,3-Dichlorobenzene	ND 1.0	5.0	µg/Kg 1 4/22/2009 05:42 PM
1,3-Dichloropropane	ND 1.0	5.0	µg/Kg 1 4/22/2009 05:42 PM
1,4-Dichlorobenzene	ND 1.2	5.0	µg/Kg 1 4/22/2009 05:42 PM
2,2-Dichloropropane	ND 0.87	5.0	µg/Kg 1 4/22/2009 05:42 PM
2-Chlorotoluene	ND 0.66	5.0	µg/Kg 1 4/22/2009 05:42 PM
4-Chlorotoluene	ND 0.67	5.0	µg/Kg 1 4/22/2009 05:42 PM
4-Isopropyltoluene	ND 0.57	5.0	µg/Kg 1 4/22/2009 05:42 PM
Benzene	ND 0.82	5.0	µg/Kg 1 4/22/2009 05:42 PM
Bromobenzene	ND 1.6	5.0	µg/Kg 1 4/22/2009 05:42 PM
Bromodichloromethane	ND 0.85	5.0	µg/Kg 1 4/22/2009 05:42 PM
Bromoform	ND 1.2	5.0	µg/Kg 1 4/22/2009 05:42 PM
Bromomethane	ND 0.87	5.0	µg/Kg 1 4/22/2009 05:42 PM
Carbon tetrachloride	ND 1.3	5.0	µg/Kg 1 4/22/2009 05:42 PM
Chlorobenzene	ND 0.89	5.0	µg/Kg 1 4/22/2009 05:42 PM
Chloroethane	ND 1.3	5.0	µg/Kg 1 4/22/2009 05:42 PM
Chloroform	ND 0.62	5.0	µg/Kg 1 4/22/2009 05:42 PM
Chloromethane	ND 0.81	5.0	µg/Kg 1 4/22/2009 05:42 PM
cis-1,2-Dichloroethene	ND 1.2	5.0	µg/Kg 1 4/22/2009 05:42 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105148
Project: 207126015
Lab ID: 105148-011B

Client Sample ID: 1001-108-5-S
Collection Date: 4/21/2009 9:10:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS5_090422B	QC Batch: T09VS105	PrepDate: 4/22/2009	Analyst: HH
cis-1,3-Dichloropropene	ND 1.3	5.0	µg/Kg 1 4/22/2009 05:42 PM
Dibromochloromethane	ND 0.68	5.0	µg/Kg 1 4/22/2009 05:42 PM
Dibromomethane	ND 1.7	5.0	µg/Kg 1 4/22/2009 05:42 PM
Dichlorodifluoromethane	ND 0.60	5.0	µg/Kg 1 4/22/2009 05:42 PM
Ethylbenzene	ND 0.91	5.0	µg/Kg 1 4/22/2009 05:42 PM
Hexachlorobutadiene	ND 3.4	5.0	µg/Kg 1 4/22/2009 05:42 PM
Isopropylbenzene	ND 1.2	5.0	µg/Kg 1 4/22/2009 05:42 PM
m,p-Xylene	ND 1.7	10	µg/Kg 1 4/22/2009 05:42 PM
Methylene chloride	ND 5.0	5.0	µg/Kg 1 4/22/2009 05:42 PM
n-Butylbenzene	ND 1.0	5.0	µg/Kg 1 4/22/2009 05:42 PM
n-Propylbenzene	ND 0.90	5.0	µg/Kg 1 4/22/2009 05:42 PM
Naphthalene	ND 1.7	5.0	µg/Kg 1 4/22/2009 05:42 PM
o-Xylene	ND 1.0	5.0	µg/Kg 1 4/22/2009 05:42 PM
sec-Butylbenzene	ND 0.85	5.0	µg/Kg 1 4/22/2009 05:42 PM
Styrene	ND 0.89	5.0	µg/Kg 1 4/22/2009 05:42 PM
tert-Butylbenzene	ND 0.61	5.0	µg/Kg 1 4/22/2009 05:42 PM
Tetrachloroethene	ND 1.1	5.0	µg/Kg 1 4/22/2009 05:42 PM
Toluene	ND 0.83	5.0	µg/Kg 1 4/22/2009 05:42 PM
trans-1,2-Dichloroethene	ND 0.99	5.0	µg/Kg 1 4/22/2009 05:42 PM
Trichloroethene	ND 2.0	5.0	µg/Kg 1 4/22/2009 05:42 PM
Trichlorofluoromethane	ND 1.2	5.0	µg/Kg 1 4/22/2009 05:42 PM
Vinyl chloride	ND 0.59	5.0	µg/Kg 1 4/22/2009 05:42 PM
Surr: 1,2-Dichloroethane-d4	108 0	68-147	%REC 1 4/22/2009 05:42 PM
Surr: 4-Bromofluorobenzene	102 0	67-127	%REC 1 4/22/2009 05:42 PM
Surr: Dibromofluoromethane	110 0	72-141	%REC 1 4/22/2009 05:42 PM
Surr: Toluene-d8	115 0	75-120	%REC 1 4/22/2009 05:42 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105148
Project: 207126015
Lab ID: 105148-011E

Client Sample ID: 1001-108-5-S
Collection Date: 4/21/2009 9:10:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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GASOLINE RANGE ORGANICS BY GC/FID

EPA 8015B(M)

RunID: GC2_090422B	QC Batch: E09VS108	PrepDate: 4/21/2009	Analyst: KHN		
GRO	ND 0.14	0.94	mg/Kg	1	4/22/2009 05:25 PM
Surr: Bromofluorobenzene (FID)	101 0	59-145	%REC	1	4/22/2009 05:25 PM

HYDROCARBON CHAIN IDENTIFICATION

EPA 8015B

RunID: GC2_090422B	QC Batch: E09VS108	PrepDate: 4/21/2009	Analyst: KHN		
T/R Hydrocarbons: C4-C12	ND 0.18	0.94	mg/Kg	1	4/22/2009 05:25 PM
Surr: Bromofluorobenzene (FID)	101 0	59-145	%REC	1	4/22/2009 05:25 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105148
Project: 207126015
Lab ID: 105148-012A

Client Sample ID: 1001-108-10-S
Collection Date: 4/21/2009 9:15:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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ICP METALS

EPA 3050B

EPA 6010B

RunID:	ICP8_090427H	QC Batch:	54945	PrepDate:	4/23/2009	Analyst:	CL
Antimony	ND	0.28	2.0	mg/Kg	1	4/27/2009 04:47 PM	
Arsenic	1.0	0.27	1.0	mg/Kg	1	4/27/2009 04:47 PM	
Barium	220	0.13	1.0	mg/Kg	1	4/27/2009 04:47 PM	
Beryllium	ND	0.055	1.0	mg/Kg	1	4/27/2009 04:47 PM	
Cadmium	ND	0.0064	1.0	mg/Kg	1	4/27/2009 04:47 PM	
Chromium	27	0.088	1.0	mg/Kg	1	4/27/2009 04:47 PM	
Cobalt	12	0.014	1.0	mg/Kg	1	4/27/2009 04:47 PM	
Copper	31	0.26	2.0	mg/Kg	1	4/27/2009 04:47 PM	
Lead	ND	0.11	1.0	mg/Kg	1	4/27/2009 04:47 PM	
Molybdenum	ND	0.043	1.0	mg/Kg	1	4/27/2009 04:47 PM	
Nickel	21	0.032	1.0	mg/Kg	1	4/27/2009 04:47 PM	
Selenium	ND	0.43	1.0	mg/Kg	1	4/27/2009 04:47 PM	
Silver	ND	0.017	1.0	mg/Kg	1	4/27/2009 04:47 PM	
Thallium	ND	0.23	1.0	mg/Kg	1	4/27/2009 04:47 PM	
Vanadium	65	0.019	1.0	mg/Kg	1	4/27/2009 04:47 PM	
Zinc	64	0.19	1.0	mg/Kg	1	4/27/2009 04:47 PM	

HEXAVALENT CHROMIUM

EPA 7196A

RunID:	WETCHEM3_090427B	QC Batch:	55024	PrepDate:	4/27/2009	Analyst:	CBB
Chromium, Hexavalent	ND	0.074	0.10	mg/Kg	1	4/27/2009	

DIESEL RANGE ORGANICS BY GC/FID LUFT

EPA 8015B(M)

RunID:	GC16_090423D	QC Batch:	54921	PrepDate:	4/22/2009	Analyst:	CBR
DRO	ND	10	10	mg/Kg	1	4/24/2009 12:08 AM	
Surr: p-Terphenyl	108	0	57-144	%REC	1	4/24/2009 12:08 AM	

HYDROCARBON CHAIN IDENTIFICATION LUFT

EPA 8015B(M)

RunID:	GC16_090423D	QC Batch:	54921	PrepDate:	4/22/2009	Analyst:	CBR
T/R Hydrocarbons: C13-C22	ND	10	10	mg/Kg	1	4/24/2009 12:08 AM	
T/R Hydrocarbons: C23-C32	ND	10	10	mg/Kg	1	4/24/2009 12:08 AM	
T/R Hydrocarbons:>C32	ND	10	10	mg/Kg	1	4/24/2009 12:08 AM	
Surr: p-Terphenyl	108	0	57-144	%REC	1	4/24/2009 12:08 AM	

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105148
Project: 207126015
Lab ID: 105148-012A

Client Sample ID: 1001-108-10-S
Collection Date: 4/21/2009 9:15:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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PCBS BY GC/ECD

EPA 3550B		EPA 8082	
RunID: GC5_090423A	QC Batch: 54966	PrepDate: 4/23/2009	Analyst: BB
Aroclor 1016	ND 5.0	16	µg/Kg 1 4/23/2009 09:14 PM
Aroclor 1221	ND 5.0	33	µg/Kg 1 4/23/2009 09:14 PM
Aroclor 1232	ND 5.0	16	µg/Kg 1 4/23/2009 09:14 PM
Aroclor 1242	ND 5.0	16	µg/Kg 1 4/23/2009 09:14 PM
Aroclor 1248	ND 5.0	16	µg/Kg 1 4/23/2009 09:14 PM
Aroclor 1254	ND 5.0	16	µg/Kg 1 4/23/2009 09:14 PM
Aroclor 1260	ND 5.0	16	µg/Kg 1 4/23/2009 09:14 PM
Aroclor 1262	ND 5.0	16	µg/Kg 1 4/23/2009 09:14 PM
Aroclor 1268	ND 5.0	16	µg/Kg 1 4/23/2009 09:14 PM
Surr: Decachlorobiphenyl	77.4 0	30-124	%REC 1 4/23/2009 09:14 PM
Surr: Tetrachloro-m-xylene	104 0	40-118	%REC 1 4/23/2009 09:14 PM

MERCURY BY COLD VAPOR TECHNIQUE

EPA 7471A	
RunID: AA5_090423C	QC Batch: 54934
PrepDate: 4/23/2009	Analyst: RQ
Mercury	ND 0.021 0.10 mg/Kg 1 4/23/2009 12:47 PM

SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3550B		EPA 8270C	
RunID: MS6_090423A	QC Batch: 54928	PrepDate: 4/22/2009	Analyst: DMP
1,2,4-Trichlorobenzene	ND 160	660	µg/Kg 1 4/23/2009 08:59 PM
1,2-Dichlorobenzene	ND 170	660	µg/Kg 1 4/23/2009 08:59 PM
1,3-Dichlorobenzene	ND 150	660	µg/Kg 1 4/23/2009 08:59 PM
1,4-Dichlorobenzene	ND 160	660	µg/Kg 1 4/23/2009 08:59 PM
2,4,5-Trichlorophenol	ND 110	660	µg/Kg 1 4/23/2009 08:59 PM
2,4,6-Trichlorophenol	ND 160	660	µg/Kg 1 4/23/2009 08:59 PM
2,4-Dichlorophenol	ND 170	3300	µg/Kg 1 4/23/2009 08:59 PM
2,4-Dimethylphenol	ND 180	660	µg/Kg 1 4/23/2009 08:59 PM
2,4-Dinitrophenol	ND 89	3300	µg/Kg 1 4/23/2009 08:59 PM
2,4-Dinitrotoluene	ND 130	660	µg/Kg 1 4/23/2009 08:59 PM
2,6-Dinitrotoluene	ND 130	660	µg/Kg 1 4/23/2009 08:59 PM
2-Chloronaphthalene	ND 140	660	µg/Kg 1 4/23/2009 08:59 PM
2-Chlorophenol	ND 180	660	µg/Kg 1 4/23/2009 08:59 PM
2-Methylnaphthalene	ND 160	660	µg/Kg 1 4/23/2009 08:59 PM
2-Methylphenol	ND 190	660	µg/Kg 1 4/23/2009 08:59 PM

Qualifiers: B Analyte detected in the associated Method Blank E Value above quantitation range
H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit
S Spike/Surrogate outside of limits due to matrix interference Results are wet unless otherwise specified
DO Surrogate Diluted Out



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105148
Project: 207126015
Lab ID: 105148-012A

Client Sample ID: 1001-108-10-S
Collection Date: 4/21/2009 9:15:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3550B

EPA 8270C

RunID: MS6_090423A	QC Batch: 54928	PrepDate: 4/22/2009	Analyst: DMP			
2-Nitroaniline	ND	160	3300	µg/Kg	1	4/23/2009 08:59 PM
2-Nitrophenol	ND	140	660	µg/Kg	1	4/23/2009 08:59 PM
3,3'-Dichlorobenzidine	ND	160	1300	µg/Kg	1	4/23/2009 08:59 PM
3-Nitroaniline	ND	120	3300	µg/Kg	1	4/23/2009 08:59 PM
4,6-Dinitro-2-methylphenol	ND	130	3300	µg/Kg	1	4/23/2009 08:59 PM
4-Bromophenyl-phenylether	ND	150	660	µg/Kg	1	4/23/2009 08:59 PM
4-Chloro-3-methylphenol	ND	150	1300	µg/Kg	1	4/23/2009 08:59 PM
4-Chloroaniline	ND	150	1300	µg/Kg	1	4/23/2009 08:59 PM
4-Chlorophenyl-phenylether	ND	140	660	µg/Kg	1	4/23/2009 08:59 PM
4-Methylphenol	ND	160	660	µg/Kg	1	4/23/2009 08:59 PM
4-Nitroaniline	ND	120	3300	µg/Kg	1	4/23/2009 08:59 PM
4-Nitrophenol	ND	140	3300	µg/Kg	1	4/23/2009 08:59 PM
Acenaphthene	ND	140	660	µg/Kg	1	4/23/2009 08:59 PM
Acenaphthylene	ND	140	660	µg/Kg	1	4/23/2009 08:59 PM
Anthracene	ND	150	660	µg/Kg	1	4/23/2009 08:59 PM
Benzidine (M)	ND	140	3300	µg/Kg	1	4/23/2009 08:59 PM
Benzo(a)anthracene	ND	140	660	µg/Kg	1	4/23/2009 08:59 PM
Benzo(a)pyrene	ND	160	660	µg/Kg	1	4/23/2009 08:59 PM
Benzo(b)fluoranthene	ND	140	660	µg/Kg	1	4/23/2009 08:59 PM
Benzo(g,h,i)perylene	ND	140	660	µg/Kg	1	4/23/2009 08:59 PM
Benzo(k)fluoranthene	ND	200	660	µg/Kg	1	4/23/2009 08:59 PM
Benzoic acid	ND	130	3300	µg/Kg	1	4/23/2009 08:59 PM
Benzyl alcohol	ND	170	1300	µg/Kg	1	4/23/2009 08:59 PM
Bis(2-chloroethoxy)methane	ND	160	660	µg/Kg	1	4/23/2009 08:59 PM
Bis(2-chloroethyl)ether	ND	160	660	µg/Kg	1	4/23/2009 08:59 PM
Bis(2-chloroisopropyl)ether	ND	180	660	µg/Kg	1	4/23/2009 08:59 PM
Bis(2-ethylhexyl)phthalate	ND	140	660	µg/Kg	1	4/23/2009 08:59 PM
Butylbenzylphthalate	ND	140	660	µg/Kg	1	4/23/2009 08:59 PM
Chrysene	ND	160	660	µg/Kg	1	4/23/2009 08:59 PM
Di-n-butylphthalate	ND	160	660	µg/Kg	1	4/23/2009 08:59 PM
Di-n-octylphthalate	ND	140	660	µg/Kg	1	4/23/2009 08:59 PM
Dibenz(a,h)anthracene	ND	170	660	µg/Kg	1	4/23/2009 08:59 PM
Dibenzofuran	ND	140	660	µg/Kg	1	4/23/2009 08:59 PM
Diethylphthalate	ND	150	660	µg/Kg	1	4/23/2009 08:59 PM
Dimethylphthalate	ND	140	660	µg/Kg	1	4/23/2009 08:59 PM

Qualifiers: B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interference
DO Surrogate Diluted Out
E Value above quantitation range
ND Not Detected at the Reporting Limit
Results are wet unless otherwise specified



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105148
Project: 207126015
Lab ID: 105148-012A

Client Sample ID: 1001-108-10-S
Collection Date: 4/21/2009 9:15:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3550B

EPA 8270C

RunID: MS6_090423A	QC Batch: 54928	PrepDate: 4/22/2009	Analyst: DMP
Fluoranthene	ND	150	660
Fluorene	ND	140	660
Hexachlorobenzene	ND	150	660
Hexachlorobutadiene	ND	150	1300
Hexachlorocyclopentadiene	ND	160	1300
Hexachloroethane	ND	160	660
Indeno(1,2,3-cd)pyrene	ND	140	660
Isophorone	ND	170	660
N-Nitrosodi-n-propylamine	ND	160	660
N-Nitrosodiphenylamine	ND	160	660
Naphthalene	ND	170	660
Nitrobenzene	ND	160	660
Pentachlorophenol	ND	110	3300
Phenanthrene	ND	150	660
Phenol	ND	190	660
Pyrene	ND	150	660
Surr: 1,2-Dichlorobenzene-d4	72.2	0	49-103
Surr: 2,4,6-Tribromophenol	90.1	0	47-129
Surr: 2-Chlorophenol-d4	80.2	0	54-109
Surr: 2-Fluorobiphenyl	90.0	0	59-108
Surr: 2-Fluorophenol	82.0	0	50-111
Surr: 4-Terphenyl-d14	104	0	58-135
Surr: Nitrobenzene-d5	94.8	0	54-115
Surr: Phenol-d5	84.5	0	58-112

PH

EPA 9045C

RunID: WETCHEM_090423B	QC Batch: R108436	PrepDate:	Analyst: DDL
pH	8.2	0.10	0.10

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105148
Project: 207126015
Lab ID: 105148-012B

Client Sample ID: 1001-108-10-S
Collection Date: 4/21/2009 9:15:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS5_090422B	QC Batch: T09VS105	PrepDate: 4/22/2009	Analyst: HH
1,1,1,2-Tetrachloroethane	ND 1.8	5.1	µg/Kg 1 4/22/2009 06:01 PM
1,1,1-Trichloroethane	ND 0.66	5.1	µg/Kg 1 4/22/2009 06:01 PM
1,1,2,2-Tetrachloroethane	ND 1.6	5.1	µg/Kg 1 4/22/2009 06:01 PM
1,1,2-Trichloroethane	ND 1.7	5.1	µg/Kg 1 4/22/2009 06:01 PM
1,1-Dichloroethane	ND 0.52	5.1	µg/Kg 1 4/22/2009 06:01 PM
1,1-Dichloroethene	ND 1.3	5.1	µg/Kg 1 4/22/2009 06:01 PM
1,1-Dichloropropene	ND 1.6	5.1	µg/Kg 1 4/22/2009 06:01 PM
1,2,3-Trichlorobenzene	ND 1.1	5.1	µg/Kg 1 4/22/2009 06:01 PM
1,2,3-Trichloropropane	ND 0.77	5.1	µg/Kg 1 4/22/2009 06:01 PM
1,2,4-Trichlorobenzene	ND 1.4	5.1	µg/Kg 1 4/22/2009 06:01 PM
1,2,4-Trimethylbenzene	ND 0.88	5.1	µg/Kg 1 4/22/2009 06:01 PM
1,2-Dibromo-3-chloropropane	ND 2.0	10	µg/Kg 1 4/22/2009 06:01 PM
1,2-Dibromoethane	ND 1.5	5.1	µg/Kg 1 4/22/2009 06:01 PM
1,2-Dichlorobenzene	ND 0.85	5.1	µg/Kg 1 4/22/2009 06:01 PM
1,2-Dichloroethane	ND 1.2	5.1	µg/Kg 1 4/22/2009 06:01 PM
1,2-Dichloropropane	ND 1.6	5.1	µg/Kg 1 4/22/2009 06:01 PM
1,3,5-Trimethylbenzene	ND 1.0	5.1	µg/Kg 1 4/22/2009 06:01 PM
1,3-Dichlorobenzene	ND 1.0	5.1	µg/Kg 1 4/22/2009 06:01 PM
1,3-Dichloropropane	ND 1.1	5.1	µg/Kg 1 4/22/2009 06:01 PM
1,4-Dichlorobenzene	ND 1.2	5.1	µg/Kg 1 4/22/2009 06:01 PM
2,2-Dichloropropane	ND 0.89	5.1	µg/Kg 1 4/22/2009 06:01 PM
2-Chlorotoluene	ND 0.68	5.1	µg/Kg 1 4/22/2009 06:01 PM
4-Chlorotoluene	ND 0.69	5.1	µg/Kg 1 4/22/2009 06:01 PM
4-Isopropyltoluene	ND 0.59	5.1	µg/Kg 1 4/22/2009 06:01 PM
Benzene	ND 0.84	5.1	µg/Kg 1 4/22/2009 06:01 PM
Bromobenzene	ND 1.6	5.1	µg/Kg 1 4/22/2009 06:01 PM
Bromodichloromethane	ND 0.88	5.1	µg/Kg 1 4/22/2009 06:01 PM
Bromoform	ND 1.2	5.1	µg/Kg 1 4/22/2009 06:01 PM
Bromomethane	ND 0.90	5.1	µg/Kg 1 4/22/2009 06:01 PM
Carbon tetrachloride	ND 1.4	5.1	µg/Kg 1 4/22/2009 06:01 PM
Chlorobenzene	ND 0.92	5.1	µg/Kg 1 4/22/2009 06:01 PM
Chloroethane	ND 1.4	5.1	µg/Kg 1 4/22/2009 06:01 PM
Chloroform	ND 0.64	5.1	µg/Kg 1 4/22/2009 06:01 PM
Chloromethane	ND 0.84	5.1	µg/Kg 1 4/22/2009 06:01 PM
cis-1,2-Dichloroethene	ND 1.2	5.1	µg/Kg 1 4/22/2009 06:01 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
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Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105148
Project: 207126015
Lab ID: 105148-012B

Client Sample ID: 1001-108-10-S
Collection Date: 4/21/2009 9:15:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS5_090422B	QC Batch: T09VS105	PrepDate: 4/22/2009	Analyst: HH
cis-1,3-Dichloropropene	ND 1.3	5.1	µg/Kg 1 4/22/2009 06:01 PM
Dibromochloromethane	ND 0.70	5.1	µg/Kg 1 4/22/2009 06:01 PM
Dibromomethane	ND 1.7	5.1	µg/Kg 1 4/22/2009 06:01 PM
Dichlorodifluoromethane	ND 0.62	5.1	µg/Kg 1 4/22/2009 06:01 PM
Ethylbenzene	ND 0.93	5.1	µg/Kg 1 4/22/2009 06:01 PM
Hexachlorobutadiene	ND 3.5	5.1	µg/Kg 1 4/22/2009 06:01 PM
Isopropylbenzene	ND 1.3	5.1	µg/Kg 1 4/22/2009 06:01 PM
m,p-Xylene	ND 1.7	10	µg/Kg 1 4/22/2009 06:01 PM
Methylene chloride	ND 5.1	5.1	µg/Kg 1 4/22/2009 06:01 PM
n-Butylbenzene	ND 1.1	5.1	µg/Kg 1 4/22/2009 06:01 PM
n-Propylbenzene	ND 0.93	5.1	µg/Kg 1 4/22/2009 06:01 PM
Naphthalene	ND 1.7	5.1	µg/Kg 1 4/22/2009 06:01 PM
o-Xylene	ND 1.1	5.1	µg/Kg 1 4/22/2009 06:01 PM
sec-Butylbenzene	ND 0.88	5.1	µg/Kg 1 4/22/2009 06:01 PM
Styrene	ND 0.92	5.1	µg/Kg 1 4/22/2009 06:01 PM
tert-Butylbenzene	ND 0.63	5.1	µg/Kg 1 4/22/2009 06:01 PM
Tetrachloroethene	ND 1.1	5.1	µg/Kg 1 4/22/2009 06:01 PM
Toluene	ND 0.85	5.1	µg/Kg 1 4/22/2009 06:01 PM
trans-1,2-Dichloroethene	ND 1.0	5.1	µg/Kg 1 4/22/2009 06:01 PM
Trichloroethene	ND 2.0	5.1	µg/Kg 1 4/22/2009 06:01 PM
Trichlorofluoromethane	ND 1.2	5.1	µg/Kg 1 4/22/2009 06:01 PM
Vinyl chloride	ND 0.60	5.1	µg/Kg 1 4/22/2009 06:01 PM
Surr: 1,2-Dichloroethane-d4	110 0	68-147	%REC 1 4/22/2009 06:01 PM
Surr: 4-Bromofluorobenzene	98.5 0	67-127	%REC 1 4/22/2009 06:01 PM
Surr: Dibromofluoromethane	108 0	72-141	%REC 1 4/22/2009 06:01 PM
Surr: Toluene-d8	108 0	75-120	%REC 1 4/22/2009 06:01 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
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	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

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Lab Order: 105148
Project: 207126015
Lab ID: 105148-012E

Client Sample ID: 1001-108-10-S
Collection Date: 4/21/2009 9:15:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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GASOLINE RANGE ORGANICS BY GC/FID

EPA 8015B(M)

RunID: GC2_090422B	QC Batch: E09VS108	PrepDate: 4/21/2009	Analyst: KHN		
GRO	ND 0.13	0.91	mg/Kg	1	4/22/2009 05:56 PM
Surr: Bromofluorobenzene (FID)	118 0	59-145	%REC	1	4/22/2009 05:56 PM

HYDROCARBON CHAIN IDENTIFICATION

EPA 8015B

RunID: GC2_090422B	QC Batch: E09VS108	PrepDate: 4/21/2009	Analyst: KHN		
T/R Hydrocarbons: C4-C12	ND 0.18	0.91	mg/Kg	1	4/22/2009 05:56 PM
Surr: Bromofluorobenzene (FID)	118 0	59-145	%REC	1	4/22/2009 05:56 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105148
Project: 207126015
Lab ID: 105148-013A

Client Sample ID: 1001-108-10D-S
Collection Date: 4/21/2009 9:15:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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ICP METALS

EPA 3050B		EPA 6010B	
RunID: ICP8_090427H	QC Batch: 54945	PrepDate: 4/23/2009	Analyst: CL
Antimony	ND 0.28	2.0	mg/Kg 1 4/27/2009 04:51 PM
Arsenic	ND 0.27	1.0	mg/Kg 1 4/27/2009 04:51 PM
Barium	230 0.13	1.0	mg/Kg 1 4/27/2009 04:51 PM
Beryllium	ND 0.055	1.0	mg/Kg 1 4/27/2009 04:51 PM
Cadmium	ND 0.0064	1.0	mg/Kg 1 4/27/2009 04:51 PM
Chromium	30 0.088	1.0	mg/Kg 1 4/27/2009 04:51 PM
Cobalt	13 0.014	1.0	mg/Kg 1 4/27/2009 04:51 PM
Copper	37 0.26	2.0	mg/Kg 1 4/27/2009 04:51 PM
Lead	ND 0.11	1.0	mg/Kg 1 4/27/2009 04:51 PM
Molybdenum	ND 0.043	1.0	mg/Kg 1 4/27/2009 04:51 PM
Nickel	23 0.032	1.0	mg/Kg 1 4/27/2009 04:51 PM
Selenium	ND 0.43	1.0	mg/Kg 1 4/27/2009 04:51 PM
Silver	ND 0.017	1.0	mg/Kg 1 4/27/2009 04:51 PM
Thallium	ND 0.23	1.0	mg/Kg 1 4/27/2009 04:51 PM
Vanadium	73 0.019	1.0	mg/Kg 1 4/27/2009 04:51 PM
Zinc	72 0.19	1.0	mg/Kg 1 4/27/2009 04:51 PM

HEXAVALENT CHROMIUM

EPA 7196A	
RunID: WETCHEM3_090427B	QC Batch: 55024
PrepDate: 4/27/2009	Analyst: CBB
Chromium, Hexavalent	ND 0.074 0.10 mg/Kg 1 4/27/2009

DIESEL RANGE ORGANICS BY GC/FID LUFT

EPA 8015B(M)	
RunID: GC16_090423D	QC Batch: 54921
PrepDate: 4/22/2009	Analyst: CBR
DRO	ND 10 10 mg/Kg 1 4/24/2009 12:18 AM
Surr: p-Terphenyl	94.8 0 57-144 %REC 1 4/24/2009 12:18 AM

HYDROCARBON CHAIN IDENTIFICATION LUFT

EPA 8015B(M)	
RunID: GC16_090423D	QC Batch: 54921
PrepDate: 4/22/2009	Analyst: CBR
T/R Hydrocarbons: C13-C22	ND 10 10 mg/Kg 1 4/24/2009 12:18 AM
T/R Hydrocarbons: C23-C32	ND 10 10 mg/Kg 1 4/24/2009 12:18 AM
T/R Hydrocarbons: >C32	ND 10 10 mg/Kg 1 4/24/2009 12:18 AM
Surr: p-Terphenyl	94.8 0 57-144 %REC 1 4/24/2009 12:18 AM

Qualifiers:	B Analyte detected in the associated Method Blank	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	ND Not Detected at the Reporting Limit
	S Spike/Surrogate outside of limits due to matrix interference	Results are wet unless otherwise specified
	DO Surrogate Diluted Out	



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105148
Project: 207126015
Lab ID: 105148-013A

Client Sample ID: 1001-108-10D-S
Collection Date: 4/21/2009 9:15:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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PCBS BY GC/ECD

EPA 3550B		EPA 8082	
RunID: GC5_090423A	QC Batch: 54966	PrepDate: 4/23/2009	Analyst: BB
Aroclor 1016	ND 5.0	16	µg/Kg 1 4/23/2009 09:44 PM
Aroclor 1221	ND 5.0	33	µg/Kg 1 4/23/2009 09:44 PM
Aroclor 1232	ND 5.0	16	µg/Kg 1 4/23/2009 09:44 PM
Aroclor 1242	ND 5.0	16	µg/Kg 1 4/23/2009 09:44 PM
Aroclor 1248	ND 5.0	16	µg/Kg 1 4/23/2009 09:44 PM
Aroclor 1254	ND 5.0	16	µg/Kg 1 4/23/2009 09:44 PM
Aroclor 1260	ND 5.0	16	µg/Kg 1 4/23/2009 09:44 PM
Aroclor 1262	ND 5.0	16	µg/Kg 1 4/23/2009 09:44 PM
Aroclor 1268	ND 5.0	16	µg/Kg 1 4/23/2009 09:44 PM
Surr: Decachlorobiphenyl	78.7 0	30-124	%REC 1 4/23/2009 09:44 PM
Surr: Tetrachloro-m-xylene	104 0	40-118	%REC 1 4/23/2009 09:44 PM

MERCURY BY COLD VAPOR TECHNIQUE

EPA 7471A	
RunID: AA5_090423C	QC Batch: 54934
PrepDate: 4/23/2009	Analyst: RQ
Mercury	ND 0.021 0.10 mg/Kg 1 4/23/2009 12:49 PM

SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3550B		EPA 8270C	
RunID: MS6_090423A	QC Batch: 54928	PrepDate: 4/22/2009	Analyst: DMP
1,2,4-Trichlorobenzene	ND 82	330	µg/Kg 1 4/23/2009 09:27 PM
1,2-Dichlorobenzene	ND 85	330	µg/Kg 1 4/23/2009 09:27 PM
1,3-Dichlorobenzene	ND 74	330	µg/Kg 1 4/23/2009 09:27 PM
1,4-Dichlorobenzene	ND 78	330	µg/Kg 1 4/23/2009 09:27 PM
2,4,5-Trichlorophenol	ND 56	330	µg/Kg 1 4/23/2009 09:27 PM
2,4,6-Trichlorophenol	ND 78	330	µg/Kg 1 4/23/2009 09:27 PM
2,4-Dichlorophenol	ND 87	1600	µg/Kg 1 4/23/2009 09:27 PM
2,4-Dimethylphenol	ND 88	330	µg/Kg 1 4/23/2009 09:27 PM
2,4-Dinitrophenol	ND 45	1600	µg/Kg 1 4/23/2009 09:27 PM
2,4-Dinitrotoluene	ND 67	330	µg/Kg 1 4/23/2009 09:27 PM
2,6-Dinitrotoluene	ND 67	330	µg/Kg 1 4/23/2009 09:27 PM
2-Chloronaphthalene	ND 70	330	µg/Kg 1 4/23/2009 09:27 PM
2-Chlorophenol	ND 89	330	µg/Kg 1 4/23/2009 09:27 PM
2-Methylnaphthalene	ND 78	330	µg/Kg 1 4/23/2009 09:27 PM
2-Methylphenol	ND 96	330	µg/Kg 1 4/23/2009 09:27 PM

Qualifiers: B Analyte detected in the associated Method Blank E Value above quantitation range
H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit
S Spike/Surrogate outside of limits due to matrix interference Results are wet unless otherwise specified
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ANALYTICAL RESULTS

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Lab Order: 105148
Project: 207126015
Lab ID: 105148-013A

Client Sample ID: 1001-108-10D-S
Collection Date: 4/21/2009 9:15:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3550B

EPA 8270C

RunID: MS6_090423A	QC Batch: 54928	PrepDate: 4/22/2009	Analyst: DMP
2-Nitroaniline	ND	79	1600
2-Nitrophenol	ND	70	330
3,3'-Dichlorobenzidine	ND	78	660
3-Nitroaniline	ND	60	1600
4,6-Dinitro-2-methylphenol	ND	63	1600
4-Bromophenyl-phenylether	ND	73	330
4-Chloro-3-methylphenol	ND	75	660
4-Chloroaniline	ND	73	660
4-Chlorophenyl-phenylether	ND	70	330
4-Methylphenol	ND	79	330
4-Nitroaniline	ND	60	1600
4-Nitrophenol	ND	71	1600
Acenaphthene	ND	70	330
Acenaphthylene	ND	69	330
Anthracene	ND	76	330
Benzidine (M)	ND	71	1600
Benzo(a)anthracene	ND	69	330
Benzo(a)pyrene	ND	82	330
Benzo(b)fluoranthene	ND	70	330
Benzo(g,h,i)perylene	ND	71	330
Benzo(k)fluoranthene	ND	98	330
Benzoic acid	ND	64	1600
Benzyl alcohol	ND	86	660
Bis(2-chloroethoxy)methane	ND	79	330
Bis(2-chloroethyl)ether	ND	81	330
Bis(2-chloroisopropyl)ether	ND	91	330
Bis(2-ethylhexyl)phthalate	ND	72	330
Butylbenzylphthalate	ND	72	330
Chrysene	ND	79	330
Di-n-butylphthalate	ND	78	330
Di-n-octylphthalate	ND	71	330
Dibenz(a,h)anthracene	ND	83	330
Dibenzofuran	ND	68	330
Diethylphthalate	ND	74	330
Dimethylphthalate	ND	69	330

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3550B

EPA 8270C

RunID: MS6_090423A	QC Batch: 54928	PrepDate: 4/22/2009	Analyst: DMP
Fluoranthene	ND	73	330
Fluorene	ND	69	330
Hexachlorobenzene	ND	76	330
Hexachlorobutadiene	ND	77	660
Hexachlorocyclopentadiene	ND	80	660
Hexachloroethane	ND	81	330
Indeno(1,2,3-cd)pyrene	ND	69	330
Isophorone	ND	85	330
N-Nitrosodi-n-propylamine	ND	82	330
N-Nitrosodiphenylamine	ND	79	330
Naphthalene	ND	86	330
Nitrobenzene	ND	82	330
Pentachlorophenol	ND	55	1600
Phenanthrene	ND	76	330
Phenol	ND	95	330
Pyrene	ND	77	330
Surr: 1,2-Dichlorobenzene-d4	75.9	0	49-103
Surr: 2,4,6-Tribromophenol	93.7	0	47-129
Surr: 2-Chlorophenol-d4	82.6	0	54-109
Surr: 2-Fluorobiphenyl	89.5	0	59-108
Surr: 2-Fluorophenol	83.3	0	50-111
Surr: 4-Terphenyl-d14	110	0	58-135
Surr: Nitrobenzene-d5	94.1	0	54-115
Surr: Phenol-d5	86.2	0	58-112

PH

EPA 9045C

RunID: WETCHEM_090423B	QC Batch: R108436	PrepDate:	Analyst: DDL
pH	8.2	0.10	0.10

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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Client Sample ID: 1001-108-10D-S
Collection Date: 4/21/2009 9:15:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS5_090422B	QC Batch: T09VS105	PrepDate: 4/22/2009	Analyst: HH
1,1,1,2-Tetrachloroethane	ND 1.4	4.2	µg/Kg 1 4/22/2009 06:21 PM
1,1,1-Trichloroethane	ND 0.54	4.2	µg/Kg 1 4/22/2009 06:21 PM
1,1,2,2-Tetrachloroethane	ND 1.3	4.2	µg/Kg 1 4/22/2009 06:21 PM
1,1,2-Trichloroethane	ND 1.4	4.2	µg/Kg 1 4/22/2009 06:21 PM
1,1-Dichloroethane	ND 0.42	4.2	µg/Kg 1 4/22/2009 06:21 PM
1,1-Dichloroethene	ND 1.1	4.2	µg/Kg 1 4/22/2009 06:21 PM
1,1-Dichloropropene	ND 1.3	4.2	µg/Kg 1 4/22/2009 06:21 PM
1,2,3-Trichlorobenzene	ND 0.87	4.2	µg/Kg 1 4/22/2009 06:21 PM
1,2,3-Trichloropropane	ND 0.63	4.2	µg/Kg 1 4/22/2009 06:21 PM
1,2,4-Trichlorobenzene	ND 1.1	4.2	µg/Kg 1 4/22/2009 06:21 PM
1,2,4-Trimethylbenzene	ND 0.72	4.2	µg/Kg 1 4/22/2009 06:21 PM
1,2-Dibromo-3-chloropropane	ND 1.6	8.4	µg/Kg 1 4/22/2009 06:21 PM
1,2-Dibromoethane	ND 1.2	4.2	µg/Kg 1 4/22/2009 06:21 PM
1,2-Dichlorobenzene	ND 0.70	4.2	µg/Kg 1 4/22/2009 06:21 PM
1,2-Dichloroethane	ND 0.98	4.2	µg/Kg 1 4/22/2009 06:21 PM
1,2-Dichloropropane	ND 1.3	4.2	µg/Kg 1 4/22/2009 06:21 PM
1,3,5-Trimethylbenzene	ND 0.84	4.2	µg/Kg 1 4/22/2009 06:21 PM
1,3-Dichlorobenzene	ND 0.84	4.2	µg/Kg 1 4/22/2009 06:21 PM
1,3-Dichloropropane	ND 0.88	4.2	µg/Kg 1 4/22/2009 06:21 PM
1,4-Dichlorobenzene	ND 1.0	4.2	µg/Kg 1 4/22/2009 06:21 PM
2,2-Dichloropropane	ND 0.73	4.2	µg/Kg 1 4/22/2009 06:21 PM
2-Chlorotoluene	ND 0.55	4.2	µg/Kg 1 4/22/2009 06:21 PM
4-Chlorotoluene	ND 0.57	4.2	µg/Kg 1 4/22/2009 06:21 PM
4-Isopropyltoluene	ND 0.48	4.2	µg/Kg 1 4/22/2009 06:21 PM
Benzene	ND 0.69	4.2	µg/Kg 1 4/22/2009 06:21 PM
Bromobenzene	ND 1.3	4.2	µg/Kg 1 4/22/2009 06:21 PM
Bromodichloromethane	ND 0.72	4.2	µg/Kg 1 4/22/2009 06:21 PM
Bromoform	ND 1.0	4.2	µg/Kg 1 4/22/2009 06:21 PM
Bromomethane	ND 0.73	4.2	µg/Kg 1 4/22/2009 06:21 PM
Carbon tetrachloride	ND 1.1	4.2	µg/Kg 1 4/22/2009 06:21 PM
Chlorobenzene	ND 0.75	4.2	µg/Kg 1 4/22/2009 06:21 PM
Chloroethane	ND 1.1	4.2	µg/Kg 1 4/22/2009 06:21 PM
Chloroform	ND 0.52	4.2	µg/Kg 1 4/22/2009 06:21 PM
Chloromethane	ND 0.68	4.2	µg/Kg 1 4/22/2009 06:21 PM
cis-1,2-Dichloroethene	ND 1.0	4.2	µg/Kg 1 4/22/2009 06:21 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105148
Project: 207126015
Lab ID: 105148-013B

Client Sample ID: 1001-108-10D-S
Collection Date: 4/21/2009 9:15:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS5_090422B	QC Batch: T09VS105	PrepDate: 4/22/2009	Analyst: HH
cis-1,3-Dichloropropene	ND 1.1	4.2	µg/Kg 1 4/22/2009 06:21 PM
Dibromochloromethane	ND 0.57	4.2	µg/Kg 1 4/22/2009 06:21 PM
Dibromomethane	ND 1.4	4.2	µg/Kg 1 4/22/2009 06:21 PM
Dichlorodifluoromethane	ND 0.50	4.2	µg/Kg 1 4/22/2009 06:21 PM
Ethylbenzene	ND 0.76	4.2	µg/Kg 1 4/22/2009 06:21 PM
Hexachlorobutadiene	ND 2.8	4.2	µg/Kg 1 4/22/2009 06:21 PM
Isopropylbenzene	ND 1.0	4.2	µg/Kg 1 4/22/2009 06:21 PM
m,p-Xylene	ND 1.4	8.4	µg/Kg 1 4/22/2009 06:21 PM
Methylene chloride	ND 4.2	4.2	µg/Kg 1 4/22/2009 06:21 PM
n-Butylbenzene	ND 0.87	4.2	µg/Kg 1 4/22/2009 06:21 PM
n-Propylbenzene	ND 0.76	4.2	µg/Kg 1 4/22/2009 06:21 PM
Naphthalene	ND 1.4	4.2	µg/Kg 1 4/22/2009 06:21 PM
o-Xylene	ND 0.86	4.2	µg/Kg 1 4/22/2009 06:21 PM
sec-Butylbenzene	ND 0.71	4.2	µg/Kg 1 4/22/2009 06:21 PM
Styrene	ND 0.75	4.2	µg/Kg 1 4/22/2009 06:21 PM
tert-Butylbenzene	ND 0.51	4.2	µg/Kg 1 4/22/2009 06:21 PM
Tetrachloroethene	ND 0.88	4.2	µg/Kg 1 4/22/2009 06:21 PM
Toluene	ND 0.70	4.2	µg/Kg 1 4/22/2009 06:21 PM
trans-1,2-Dichloroethene	ND 0.83	4.2	µg/Kg 1 4/22/2009 06:21 PM
Trichloroethene	ND 1.6	4.2	µg/Kg 1 4/22/2009 06:21 PM
Trichlorofluoromethane	ND 0.97	4.2	µg/Kg 1 4/22/2009 06:21 PM
Vinyl chloride	ND 0.49	4.2	µg/Kg 1 4/22/2009 06:21 PM
Surr: 1,2-Dichloroethane-d4	112 0	68-147	%REC 1 4/22/2009 06:21 PM
Surr: 4-Bromofluorobenzene	101 0	67-127	%REC 1 4/22/2009 06:21 PM
Surr: Dibromofluoromethane	112 0	72-141	%REC 1 4/22/2009 06:21 PM
Surr: Toluene-d8	117 0	75-120	%REC 1 4/22/2009 06:21 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
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ANALYTICAL RESULTS

Print Date: 01-May-09

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Lab Order: 105148
Project: 207126015
Lab ID: 105148-013E

Client Sample ID: 1001-108-10D-S
Collection Date: 4/21/2009 9:15:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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GASOLINE RANGE ORGANICS BY GC/FID

EPA 8015B(M)

RunID: GC2_090422B	QC Batch: E09VS108	PrepDate: 4/21/2009	Analyst: KHN		
GRO	ND 0.15	1.0	mg/Kg	1	4/22/2009 06:11 PM
Surr: Bromofluorobenzene (FID)	106 0	59-145	%REC	1	4/22/2009 06:11 PM

HYDROCARBON CHAIN IDENTIFICATION

EPA 8015B

RunID: GC2_090422B	QC Batch: E09VS108	PrepDate: 4/21/2009	Analyst: KHN		
T/R Hydrocarbons: C4-C12	ND 0.19	1.0	mg/Kg	1	4/22/2009 06:11 PM
Surr: Bromofluorobenzene (FID)	106 0	59-145	%REC	1	4/22/2009 06:11 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105148
Project: 207126015
Lab ID: 105148-014A

Client Sample ID: 1001-108-20-S
Collection Date: 4/21/2009 9:25:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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ICP METALS

EPA 3050B

EPA 6010B

RunID:	ICP8_090427H	QC Batch:	54945	PrepDate:	4/23/2009	Analyst:	CL
Antimony	ND	0.28	2.0	mg/Kg	1	4/27/2009 04:55 PM	
Arsenic	ND	0.27	1.0	mg/Kg	1	4/27/2009 04:55 PM	
Barium	150	0.13	1.0	mg/Kg	1	4/27/2009 04:55 PM	
Beryllium	ND	0.055	1.0	mg/Kg	1	4/27/2009 04:55 PM	
Cadmium	ND	0.0064	1.0	mg/Kg	1	4/27/2009 04:55 PM	
Chromium	18	0.088	1.0	mg/Kg	1	4/27/2009 04:55 PM	
Cobalt	8.8	0.014	1.0	mg/Kg	1	4/27/2009 04:55 PM	
Copper	24	0.26	2.0	mg/Kg	1	4/27/2009 04:55 PM	
Lead	ND	0.11	1.0	mg/Kg	1	4/27/2009 04:55 PM	
Molybdenum	ND	0.043	1.0	mg/Kg	1	4/27/2009 04:55 PM	
Nickel	13	0.032	1.0	mg/Kg	1	4/27/2009 04:55 PM	
Selenium	ND	0.43	1.0	mg/Kg	1	4/27/2009 04:55 PM	
Silver	ND	0.017	1.0	mg/Kg	1	4/27/2009 04:55 PM	
Thallium	ND	0.23	1.0	mg/Kg	1	4/27/2009 04:55 PM	
Vanadium	58	0.019	1.0	mg/Kg	1	4/27/2009 04:55 PM	
Zinc	46	0.19	1.0	mg/Kg	1	4/27/2009 04:55 PM	

HEXAVALENT CHROMIUM

EPA 7196A

RunID:	WETCHEM3_090427B	QC Batch:	55024	PrepDate:	4/27/2009	Analyst:	CBB
Chromium, Hexavalent	ND	0.074	0.10	mg/Kg	1	4/27/2009	

DIESEL RANGE ORGANICS BY GC/FID LUFT

EPA 8015B(M)

RunID:	GC16_090423D	QC Batch:	54921	PrepDate:	4/22/2009	Analyst:	CBR
DRO	ND	10	10	mg/Kg	1	4/24/2009 12:27 AM	
Surr: p-Terphenyl	125	0	57-144	%REC	1	4/24/2009 12:27 AM	

HYDROCARBON CHAIN IDENTIFICATION LUFT

EPA 8015B(M)

RunID:	GC16_090423D	QC Batch:	54921	PrepDate:	4/22/2009	Analyst:	CBR
T/R Hydrocarbons: C13-C22	ND	10	10	mg/Kg	1	4/24/2009 12:27 AM	
T/R Hydrocarbons: C23-C32	ND	10	10	mg/Kg	1	4/24/2009 12:27 AM	
T/R Hydrocarbons:>C32	ND	10	10	mg/Kg	1	4/24/2009 12:27 AM	
Surr: p-Terphenyl	125	0	57-144	%REC	1	4/24/2009 12:27 AM	

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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Advanced Technology Laboratories**ANALYTICAL RESULTS**

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105148
Project: 207126015
Lab ID: 105148-014A

Client Sample ID: 1001-108-20-S
Collection Date: 4/21/2009 9:25:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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PCBS BY GC/ECD**EPA 3550B****EPA 8082**

RunID: GC5_090423A	QC Batch: 54966			PrepDate: 4/23/2009	Analyst: BB
Aroclor 1016	ND	5.0	16	µg/Kg	1 4/23/2009 10:14 PM
Aroclor 1221	ND	5.0	33	µg/Kg	1 4/23/2009 10:14 PM
Aroclor 1232	ND	5.0	16	µg/Kg	1 4/23/2009 10:14 PM
Aroclor 1242	ND	5.0	16	µg/Kg	1 4/23/2009 10:14 PM
Aroclor 1248	ND	5.0	16	µg/Kg	1 4/23/2009 10:14 PM
Aroclor 1254	ND	5.0	16	µg/Kg	1 4/23/2009 10:14 PM
Aroclor 1260	ND	5.0	16	µg/Kg	1 4/23/2009 10:14 PM
Aroclor 1262	ND	5.0	16	µg/Kg	1 4/23/2009 10:14 PM
Aroclor 1268	ND	5.0	16	µg/Kg	1 4/23/2009 10:14 PM
Surr: Decachlorobiphenyl	78.3	0	30-124	%REC	1 4/23/2009 10:14 PM
Surr: Tetrachloro-m-xylene	104	0	40-118	%REC	1 4/23/2009 10:14 PM

MERCURY BY COLD VAPOR TECHNIQUE**EPA 7471A**

RunID: AA5_090423C	QC Batch: 54934			PrepDate: 4/23/2009	Analyst: RQ
Mercury	ND	0.021	0.10	mg/Kg	1 4/23/2009 12:51 PM

SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS**EPA 3550B****EPA 8270C**

RunID: MS6_090423A	QC Batch: 54928			PrepDate: 4/22/2009	Analyst: DMP
1,2,4-Trichlorobenzene	ND	82	330	µg/Kg	1 4/23/2009 09:55 PM
1,2-Dichlorobenzene	ND	85	330	µg/Kg	1 4/23/2009 09:55 PM
1,3-Dichlorobenzene	ND	74	330	µg/Kg	1 4/23/2009 09:55 PM
1,4-Dichlorobenzene	ND	78	330	µg/Kg	1 4/23/2009 09:55 PM
2,4,5-Trichlorophenol	ND	56	330	µg/Kg	1 4/23/2009 09:55 PM
2,4,6-Trichlorophenol	ND	78	330	µg/Kg	1 4/23/2009 09:55 PM
2,4-Dichlorophenol	ND	87	1600	µg/Kg	1 4/23/2009 09:55 PM
2,4-Dimethylphenol	ND	88	330	µg/Kg	1 4/23/2009 09:55 PM
2,4-Dinitrophenol	ND	45	1600	µg/Kg	1 4/23/2009 09:55 PM
2,4-Dinitrotoluene	ND	67	330	µg/Kg	1 4/23/2009 09:55 PM
2,6-Dinitrotoluene	ND	67	330	µg/Kg	1 4/23/2009 09:55 PM
2-Chloronaphthalene	ND	70	330	µg/Kg	1 4/23/2009 09:55 PM
2-Chlorophenol	ND	89	330	µg/Kg	1 4/23/2009 09:55 PM
2-Methylnaphthalene	ND	78	330	µg/Kg	1 4/23/2009 09:55 PM
2-Methylphenol	ND	96	330	µg/Kg	1 4/23/2009 09:55 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105148
Project: 207126015
Lab ID: 105148-014A

Client Sample ID: 1001-108-20-S
Collection Date: 4/21/2009 9:25:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3550B

EPA 8270C

RunID: MS6_090423A	QC Batch: 54928	PrepDate: 4/22/2009	Analyst: DMP
2-Nitroaniline	ND	79	1600
2-Nitrophenol	ND	70	330
3,3'-Dichlorobenzidine	ND	78	660
3-Nitroaniline	ND	60	1600
4,6-Dinitro-2-methylphenol	ND	63	1600
4-Bromophenyl-phenylether	ND	73	330
4-Chloro-3-methylphenol	ND	75	660
4-Chloroaniline	ND	73	660
4-Chlorophenyl-phenylether	ND	70	330
4-Methylphenol	ND	79	330
4-Nitroaniline	ND	60	1600
4-Nitrophenol	ND	71	1600
Acenaphthene	ND	70	330
Acenaphthylene	ND	69	330
Anthracene	ND	76	330
Benzidine (M)	ND	71	1600
Benzo(a)anthracene	ND	69	330
Benzo(a)pyrene	ND	82	330
Benzo(b)fluoranthene	ND	70	330
Benzo(g,h,i)perylene	ND	71	330
Benzo(k)fluoranthene	ND	98	330
Benzoic acid	ND	64	1600
Benzyl alcohol	ND	86	660
Bis(2-chloroethoxy)methane	ND	79	330
Bis(2-chloroethyl)ether	ND	81	330
Bis(2-chloroisopropyl)ether	ND	91	330
Bis(2-ethylhexyl)phthalate	ND	72	330
Butylbenzylphthalate	ND	72	330
Chrysene	ND	79	330
Di-n-butylphthalate	ND	78	330
Di-n-octylphthalate	ND	71	330
Dibenz(a,h)anthracene	ND	83	330
Dibenzofuran	ND	68	330
Diethylphthalate	ND	74	330
Dimethylphthalate	ND	69	330

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3550B

EPA 8270C

RunID: MS6_090423A	QC Batch: 54928	PrepDate: 4/22/2009	Analyst: DMP
Fluoranthene	ND	73	330
Fluorene	ND	69	330
Hexachlorobenzene	ND	76	330
Hexachlorobutadiene	ND	77	660
Hexachlorocyclopentadiene	ND	80	660
Hexachloroethane	ND	81	330
Indeno(1,2,3-cd)pyrene	ND	69	330
Isophorone	ND	85	330
N-Nitrosodi-n-propylamine	ND	82	330
N-Nitrosodiphenylamine	ND	79	330
Naphthalene	ND	86	330
Nitrobenzene	ND	82	330
Pentachlorophenol	ND	55	1600
Phenanthrene	ND	76	330
Phenol	ND	95	330
Pyrene	ND	77	330
Surr: 1,2-Dichlorobenzene-d4	76.8	0	49-103
Surr: 2,4,6-Tribromophenol	98.9	0	47-129
Surr: 2-Chlorophenol-d4	84.2	0	54-109
Surr: 2-Fluorobiphenyl	94.9	0	59-108
Surr: 2-Fluorophenol	86.3	0	50-111
Surr: 4-Terphenyl-d14	111	0	58-135
Surr: Nitrobenzene-d5	97.8	0	54-115
Surr: Phenol-d5	89.1	0	58-112

PH

EPA 9045C

RunID: WETCHEM_090423B	QC Batch: R108436	PrepDate:	Analyst: DDL
pH	8.2	0.10	0.10

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
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Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS5_090422B	QC Batch: T09VS105	PrepDate: 4/22/2009	Analyst: HH
1,1,1,2-Tetrachloroethane	ND 1.5	4.5	µg/Kg 1 4/22/2009 06:40 PM
1,1,1-Trichloroethane	ND 0.58	4.5	µg/Kg 1 4/22/2009 06:40 PM
1,1,2,2-Tetrachloroethane	ND 1.4	4.5	µg/Kg 1 4/22/2009 06:40 PM
1,1,2-Trichloroethane	ND 1.5	4.5	µg/Kg 1 4/22/2009 06:40 PM
1,1-Dichloroethane	ND 0.45	4.5	µg/Kg 1 4/22/2009 06:40 PM
1,1-Dichloroethene	ND 1.1	4.5	µg/Kg 1 4/22/2009 06:40 PM
1,1-Dichloropropene	ND 1.4	4.5	µg/Kg 1 4/22/2009 06:40 PM
1,2,3-Trichlorobenzene	ND 0.93	4.5	µg/Kg 1 4/22/2009 06:40 PM
1,2,3-Trichloropropane	ND 0.67	4.5	µg/Kg 1 4/22/2009 06:40 PM
1,2,4-Trichlorobenzene	ND 1.2	4.5	µg/Kg 1 4/22/2009 06:40 PM
1,2,4-Trimethylbenzene	ND 0.77	4.5	µg/Kg 1 4/22/2009 06:40 PM
1,2-Dibromo-3-chloropropane	ND 1.7	8.9	µg/Kg 1 4/22/2009 06:40 PM
1,2-Dibromoethane	ND 1.3	4.5	µg/Kg 1 4/22/2009 06:40 PM
1,2-Dichlorobenzene	ND 0.74	4.5	µg/Kg 1 4/22/2009 06:40 PM
1,2-Dichloroethane	ND 1.0	4.5	µg/Kg 1 4/22/2009 06:40 PM
1,2-Dichloropropane	ND 1.4	4.5	µg/Kg 1 4/22/2009 06:40 PM
1,3,5-Trimethylbenzene	ND 0.90	4.5	µg/Kg 1 4/22/2009 06:40 PM
1,3-Dichlorobenzene	ND 0.90	4.5	µg/Kg 1 4/22/2009 06:40 PM
1,3-Dichloropropane	ND 0.94	4.5	µg/Kg 1 4/22/2009 06:40 PM
1,4-Dichlorobenzene	ND 1.1	4.5	µg/Kg 1 4/22/2009 06:40 PM
2,2-Dichloropropane	ND 0.78	4.5	µg/Kg 1 4/22/2009 06:40 PM
2-Chlorotoluene	ND 0.59	4.5	µg/Kg 1 4/22/2009 06:40 PM
4-Chlorotoluene	ND 0.60	4.5	µg/Kg 1 4/22/2009 06:40 PM
4-Isopropyltoluene	ND 0.51	4.5	µg/Kg 1 4/22/2009 06:40 PM
Benzene	ND 0.74	4.5	µg/Kg 1 4/22/2009 06:40 PM
Bromobenzene	ND 1.4	4.5	µg/Kg 1 4/22/2009 06:40 PM
Bromodichloromethane	ND 0.76	4.5	µg/Kg 1 4/22/2009 06:40 PM
Bromoform	ND 1.1	4.5	µg/Kg 1 4/22/2009 06:40 PM
Bromomethane	ND 0.78	4.5	µg/Kg 1 4/22/2009 06:40 PM
Carbon tetrachloride	ND 1.2	4.5	µg/Kg 1 4/22/2009 06:40 PM
Chlorobenzene	ND 0.80	4.5	µg/Kg 1 4/22/2009 06:40 PM
Chloroethane	ND 1.2	4.5	µg/Kg 1 4/22/2009 06:40 PM
Chloroform	ND 0.55	4.5	µg/Kg 1 4/22/2009 06:40 PM
Chloromethane	ND 0.73	4.5	µg/Kg 1 4/22/2009 06:40 PM
cis-1,2-Dichloroethene	ND 1.1	4.5	µg/Kg 1 4/22/2009 06:40 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



Advanced Technology
Laboratories

3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105148
Project: 207126015
Lab ID: 105148-014B

Client Sample ID: 1001-108-20-S
Collection Date: 4/21/2009 9:25:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS5_090422B	QC Batch: T09VS105	PrepDate: 4/22/2009	Analyst: HH
cis-1,3-Dichloropropene	ND 1.1	4.5	µg/Kg 1 4/22/2009 06:40 PM
Dibromochloromethane	ND 0.61	4.5	µg/Kg 1 4/22/2009 06:40 PM
Dibromomethane	ND 1.5	4.5	µg/Kg 1 4/22/2009 06:40 PM
Dichlorodifluoromethane	ND 0.54	4.5	µg/Kg 1 4/22/2009 06:40 PM
Ethylbenzene	ND 0.81	4.5	µg/Kg 1 4/22/2009 06:40 PM
Hexachlorobutadiene	ND 3.0	4.5	µg/Kg 1 4/22/2009 06:40 PM
Isopropylbenzene	ND 1.1	4.5	µg/Kg 1 4/22/2009 06:40 PM
m,p-Xylene	ND 1.5	8.9	µg/Kg 1 4/22/2009 06:40 PM
Methylene chloride	ND 4.5	4.5	µg/Kg 1 4/22/2009 06:40 PM
n-Butylbenzene	ND 0.93	4.5	µg/Kg 1 4/22/2009 06:40 PM
n-Propylbenzene	ND 0.81	4.5	µg/Kg 1 4/22/2009 06:40 PM
Naphthalene	ND 1.5	4.5	µg/Kg 1 4/22/2009 06:40 PM
o-Xylene	ND 0.92	4.5	µg/Kg 1 4/22/2009 06:40 PM
sec-Butylbenzene	ND 0.76	4.5	µg/Kg 1 4/22/2009 06:40 PM
Styrene	ND 0.80	4.5	µg/Kg 1 4/22/2009 06:40 PM
tert-Butylbenzene	ND 0.54	4.5	µg/Kg 1 4/22/2009 06:40 PM
Tetrachloroethene	ND 0.94	4.5	µg/Kg 1 4/22/2009 06:40 PM
Toluene	ND 0.74	4.5	µg/Kg 1 4/22/2009 06:40 PM
trans-1,2-Dichloroethene	ND 0.89	4.5	µg/Kg 1 4/22/2009 06:40 PM
Trichloroethene	ND 1.8	4.5	µg/Kg 1 4/22/2009 06:40 PM
Trichlorofluoromethane	ND 1.0	4.5	µg/Kg 1 4/22/2009 06:40 PM
Vinyl chloride	ND 0.53	4.5	µg/Kg 1 4/22/2009 06:40 PM
Surr: 1,2-Dichloroethane-d4	116 0	68-147	%REC 1 4/22/2009 06:40 PM
Surr: 4-Bromofluorobenzene	99.5 0	67-127	%REC 1 4/22/2009 06:40 PM
Surr: Dibromofluoromethane	113 0	72-141	%REC 1 4/22/2009 06:40 PM
Surr: Toluene-d8	114 0	75-120	%REC 1 4/22/2009 06:40 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
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Lab Order: 105148
Project: 207126015
Lab ID: 105148-014E

Client Sample ID: 1001-108-20-S
Collection Date: 4/21/2009 9:25:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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GASOLINE RANGE ORGANICS BY GC/FID

EPA 8015B(M)

RunID: GC2_090422B	QC Batch: E09VS108	PrepDate: 4/21/2009	Analyst: KHN		
GRO	ND 0.14	0.95	mg/Kg	1	4/22/2009 06:27 PM
Surr: Bromofluorobenzene (FID)	110 0	59-145	%REC	1	4/22/2009 06:27 PM

HYDROCARBON CHAIN IDENTIFICATION

EPA 8015B

RunID: GC2_090422B	QC Batch: E09VS108	PrepDate: 4/21/2009	Analyst: KHN		
T/R Hydrocarbons: C4-C12	ND 0.18	0.95	mg/Kg	1	4/22/2009 06:27 PM
Surr: Bromofluorobenzene (FID)	110 0	59-145	%REC	1	4/22/2009 06:27 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105148
Project: 207126015
Lab ID: 105148-015A

Client Sample ID: 1001-106-2-S
Collection Date: 4/21/2009 9:40:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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ICP METALS

EPA 3050B

EPA 6010B

RunID: ICP8_090427H	QC Batch: 54945	PrepDate: 4/23/2009	Analyst: CL
Antimony	ND 0.28	2.0	mg/Kg 1 4/27/2009 05:05 PM
Arsenic	ND 0.27	1.0	mg/Kg 1 4/27/2009 05:05 PM
Barium	170 0.13	1.0	mg/Kg 1 4/27/2009 05:05 PM
Beryllium	ND 0.055	1.0	mg/Kg 1 4/27/2009 05:05 PM
Cadmium	ND 0.0064	1.0	mg/Kg 1 4/27/2009 05:05 PM
Chromium	29 0.088	1.0	mg/Kg 1 4/27/2009 05:05 PM
Cobalt	10 0.014	1.0	mg/Kg 1 4/27/2009 05:05 PM
Copper	27 0.26	2.0	mg/Kg 1 4/27/2009 05:05 PM
Lead	ND 0.11	1.0	mg/Kg 1 4/27/2009 05:05 PM
Molybdenum	ND 0.043	1.0	mg/Kg 1 4/27/2009 05:05 PM
Nickel	18 0.032	1.0	mg/Kg 1 4/27/2009 05:05 PM
Selenium	ND 0.43	1.0	mg/Kg 1 4/27/2009 05:05 PM
Silver	ND 0.017	1.0	mg/Kg 1 4/27/2009 05:05 PM
Thallium	ND 0.23	1.0	mg/Kg 1 4/27/2009 05:05 PM
Vanadium	66 0.019	1.0	mg/Kg 1 4/27/2009 05:05 PM
Zinc	57 0.19	1.0	mg/Kg 1 4/27/2009 05:05 PM

HEXAVALENT CHROMIUM

EPA 7196A

RunID: WETCHEM3_090427B	QC Batch: 55024	PrepDate: 4/27/2009	Analyst: CBB
Chromium, Hexavalent	ND 0.074	0.10	mg/Kg 1 4/27/2009

DIESEL RANGE ORGANICS BY GC/FID LUFT

EPA 8015B(M)

RunID: GC16_090423D	QC Batch: 54921	PrepDate: 4/22/2009	Analyst: CBR
DRO	ND 10	10	mg/Kg 1 4/24/2009 12:36 AM
Surr: p-Terphenyl	105 0	57-144	%REC 1 4/24/2009 12:36 AM

HYDROCARBON CHAIN IDENTIFICATION LUFT

EPA 8015B(M)

RunID: GC16_090423D	QC Batch: 54921	PrepDate: 4/22/2009	Analyst: CBR
T/R Hydrocarbons: C13-C22	ND 10	10	mg/Kg 1 4/24/2009 12:36 AM
T/R Hydrocarbons: C23-C32	ND 10	10	mg/Kg 1 4/24/2009 12:36 AM
T/R Hydrocarbons:>C32	ND 10	10	mg/Kg 1 4/24/2009 12:36 AM
Surr: p-Terphenyl	105 0	57-144	%REC 1 4/24/2009 12:36 AM

Qualifiers:	B Analyte detected in the associated Method Blank	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	ND Not Detected at the Reporting Limit
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Print Date: 01-May-09

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Lab Order: 105148
Project: 207126015
Lab ID: 105148-015A

Client Sample ID: 1001-106-2-S
Collection Date: 4/21/2009 9:40:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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PCBS BY GC/ECD

EPA 3550B				EPA 8082			
RunID: GC5_090423A	QC Batch: 54966			PrepDate:	4/23/2009	Analyst: BB	
Aroclor 1016	ND	5.0	16	µg/Kg	1	4/23/2009 10:43 PM	
Aroclor 1221	ND	5.0	33	µg/Kg	1	4/23/2009 10:43 PM	
Aroclor 1232	ND	5.0	16	µg/Kg	1	4/23/2009 10:43 PM	
Aroclor 1242	ND	5.0	16	µg/Kg	1	4/23/2009 10:43 PM	
Aroclor 1248	ND	5.0	16	µg/Kg	1	4/23/2009 10:43 PM	
Aroclor 1254	ND	5.0	16	µg/Kg	1	4/23/2009 10:43 PM	
Aroclor 1260	ND	5.0	16	µg/Kg	1	4/23/2009 10:43 PM	
Aroclor 1262	ND	5.0	16	µg/Kg	1	4/23/2009 10:43 PM	
Aroclor 1268	ND	5.0	16	µg/Kg	1	4/23/2009 10:43 PM	
Surr: Decachlorobiphenyl	32.9	0	30-124	%REC	1	4/23/2009 10:43 PM	
Surr: Tetrachloro-m-xylene	43.7	0	40-118	%REC	1	4/23/2009 10:43 PM	

MERCURY BY COLD VAPOR TECHNIQUE

EPA 7471A			
RunID: AA5_090423C	QC Batch: 54934		
Mercury	ND	0.021	0.10 mg/Kg
			PrepDate: 4/23/2009 Analyst: RQ
			1 4/23/2009 12:53 PM

SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3550B				EPA 8270C			
RunID: MS 13_090424A	QC Batch: 54950			PrepDate:	4/23/2009	Analyst: DMP	
1,2,4-Trichlorobenzene	ND	82	330	µg/Kg	1	4/27/2009 06:34 PM	
1,2-Dichlorobenzene	ND	85	330	µg/Kg	1	4/27/2009 06:34 PM	
1,3-Dichlorobenzene	ND	74	330	µg/Kg	1	4/27/2009 06:34 PM	
1,4-Dichlorobenzene	ND	78	330	µg/Kg	1	4/27/2009 06:34 PM	
2,4,5-Trichlorophenol	ND	56	330	µg/Kg	1	4/27/2009 06:34 PM	
2,4,6-Trichlorophenol	ND	78	330	µg/Kg	1	4/27/2009 06:34 PM	
2,4-Dichlorophenol	ND	87	1600	µg/Kg	1	4/27/2009 06:34 PM	
2,4-Dimethylphenol	ND	88	330	µg/Kg	1	4/27/2009 06:34 PM	
2,4-Dinitrophenol	ND	45	1600	µg/Kg	1	4/27/2009 06:34 PM	
2,4-Dinitrotoluene	ND	67	330	µg/Kg	1	4/27/2009 06:34 PM	
2,6-Dinitrotoluene	ND	67	330	µg/Kg	1	4/27/2009 06:34 PM	
2-Chloronaphthalene	ND	70	330	µg/Kg	1	4/27/2009 06:34 PM	
2-Chlorophenol	ND	89	330	µg/Kg	1	4/27/2009 06:34 PM	
2-Methylnaphthalene	ND	78	330	µg/Kg	1	4/27/2009 06:34 PM	
2-Methylphenol	ND	96	330	µg/Kg	1	4/27/2009 06:34 PM	

Qualifiers: B Analyte detected in the associated Method Blank E Value above quantitation range
H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit
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DO Surrogate Diluted Out



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Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105148
Project: 207126015
Lab ID: 105148-015A

Client Sample ID: 1001-106-2-S
Collection Date: 4/21/2009 9:40:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3550B

EPA 8270C

RunID: MS 13_090424A	QC Batch: 54950	PrepDate: 4/23/2009	Analyst: DMP
2-Nitroaniline	ND	79	1600
2-Nitrophenol	ND	70	330
3,3'-Dichlorobenzidine	ND	78	660
3-Nitroaniline	ND	60	1600
4,6-Dinitro-2-methylphenol	ND	63	1600
4-Bromophenyl-phenylether	ND	73	330
4-Chloro-3-methylphenol	ND	75	660
4-Chloroaniline	ND	73	660
4-Chlorophenyl-phenylether	ND	70	330
4-Methylphenol	ND	79	330
4-Nitroaniline	ND	60	1600
4-Nitrophenol	ND	71	1600
Acenaphthene	ND	70	330
Acenaphthylene	ND	69	330
Anthracene	ND	76	330
Benzidine (M)	ND	71	1600
Benzo(a)anthracene	ND	69	330
Benzo(a)pyrene	ND	82	330
Benzo(b)fluoranthene	ND	70	330
Benzo(g,h,i)perylene	ND	71	330
Benzo(k)fluoranthene	ND	98	330
Benzoic acid	ND	64	1600
Benzyl alcohol	ND	86	660
Bis(2-chloroethoxy)methane	ND	79	330
Bis(2-chloroethyl)ether	ND	81	330
Bis(2-chloroisopropyl)ether	ND	91	330
Bis(2-ethylhexyl)phthalate	ND	72	330
Butylbenzylphthalate	ND	72	330
Chrysene	ND	79	330
Di-n-butylphthalate	ND	78	330
Di-n-octylphthalate	ND	71	330
Dibenz(a,h)anthracene	ND	83	330
Dibenzofuran	ND	68	330
Diethylphthalate	ND	74	330
Dimethylphthalate	ND	69	330

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
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Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3550B

EPA 8270C

RunID: MS 13_090424A	QC Batch: 54950	PrepDate: 4/23/2009	Analyst: DMP
Fluoranthene	ND	73	330
Fluorene	ND	69	330
Hexachlorobenzene	ND	76	330
Hexachlorobutadiene	ND	77	660
Hexachlorocyclopentadiene	ND	80	660
Hexachloroethane	ND	81	330
Indeno(1,2,3-cd)pyrene	ND	69	330
Isophorone	ND	85	330
N-Nitrosodi-n-propylamine	ND	82	330
N-Nitrosodiphenylamine	ND	79	330
Naphthalene	ND	86	330
Nitrobenzene	ND	82	330
Pentachlorophenol	ND	55	1600
Phenanthrene	ND	76	330
Phenol	ND	95	330
Pyrene	ND	77	330
Surr: 1,2-Dichlorobenzene-d4	89.6	0	49-103
Surr: 2,4,6-Tribromophenol	60.2	0	47-129
Surr: 2-Chlorophenol-d4	95.2	0	54-109
Surr: 2-Fluorobiphenyl	104	0	59-108
Surr: 2-Fluorophenol	91.3	0	50-111
Surr: 4-Terphenyl-d14	135	0	58-135
Surr: Nitrobenzene-d5	97.1	0	54-115
Surr: Phenol-d5	98.0	0	58-112

PH

EPA 9045C

RunID: WETCHEM_090423B	QC Batch: R108436	PrepDate:	Analyst: DDL
pH	7.8	0.10	0.10

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
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Client Sample ID: 1001-106-2-S
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Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS5_090422B	QC Batch: T09VS105	PrepDate: 4/22/2009	Analyst: HH
1,1,1,2-Tetrachloroethane	ND 1.8	5.3	µg/Kg 1 4/22/2009 07:00 PM
1,1,1-Trichloroethane	ND 0.68	5.3	µg/Kg 1 4/22/2009 07:00 PM
1,1,2,2-Tetrachloroethane	ND 1.7	5.3	µg/Kg 1 4/22/2009 07:00 PM
1,1,2-Trichloroethane	ND 1.7	5.3	µg/Kg 1 4/22/2009 07:00 PM
1,1-Dichloroethane	ND 0.54	5.3	µg/Kg 1 4/22/2009 07:00 PM
1,1-Dichloroethene	ND 1.3	5.3	µg/Kg 1 4/22/2009 07:00 PM
1,1-Dichloropropene	ND 1.6	5.3	µg/Kg 1 4/22/2009 07:00 PM
1,2,3-Trichlorobenzene	ND 1.1	5.3	µg/Kg 1 4/22/2009 07:00 PM
1,2,3-Trichloropropane	ND 0.80	5.3	µg/Kg 1 4/22/2009 07:00 PM
1,2,4-Trichlorobenzene	ND 1.4	5.3	µg/Kg 1 4/22/2009 07:00 PM
1,2,4-Trimethylbenzene	ND 0.91	5.3	µg/Kg 1 4/22/2009 07:00 PM
1,2-Dibromo-3-chloropropane	ND 2.0	11	µg/Kg 1 4/22/2009 07:00 PM
1,2-Dibromoethane	ND 1.6	5.3	µg/Kg 1 4/22/2009 07:00 PM
1,2-Dichlorobenzene	ND 0.88	5.3	µg/Kg 1 4/22/2009 07:00 PM
1,2-Dichloroethane	ND 1.2	5.3	µg/Kg 1 4/22/2009 07:00 PM
1,2-Dichloropropane	ND 1.7	5.3	µg/Kg 1 4/22/2009 07:00 PM
1,3,5-Trimethylbenzene	ND 1.1	5.3	µg/Kg 1 4/22/2009 07:00 PM
1,3-Dichlorobenzene	ND 1.1	5.3	µg/Kg 1 4/22/2009 07:00 PM
1,3-Dichloropropane	ND 1.1	5.3	µg/Kg 1 4/22/2009 07:00 PM
1,4-Dichlorobenzene	ND 1.3	5.3	µg/Kg 1 4/22/2009 07:00 PM
2,2-Dichloropropane	ND 0.92	5.3	µg/Kg 1 4/22/2009 07:00 PM
2-Chlorotoluene	ND 0.70	5.3	µg/Kg 1 4/22/2009 07:00 PM
4-Chlorotoluene	ND 0.72	5.3	µg/Kg 1 4/22/2009 07:00 PM
4-Isopropyltoluene	ND 0.61	5.3	µg/Kg 1 4/22/2009 07:00 PM
Benzene	ND 0.87	5.3	µg/Kg 1 4/22/2009 07:00 PM
Bromobenzene	ND 1.7	5.3	µg/Kg 1 4/22/2009 07:00 PM
Bromodichloromethane	ND 0.91	5.3	µg/Kg 1 4/22/2009 07:00 PM
Bromoform	ND 1.3	5.3	µg/Kg 1 4/22/2009 07:00 PM
Bromomethane	ND 0.93	5.3	µg/Kg 1 4/22/2009 07:00 PM
Carbon tetrachloride	ND 1.4	5.3	µg/Kg 1 4/22/2009 07:00 PM
Chlorobenzene	ND 0.95	5.3	µg/Kg 1 4/22/2009 07:00 PM
Chloroethane	ND 1.4	5.3	µg/Kg 1 4/22/2009 07:00 PM
Chloroform	ND 0.66	5.3	µg/Kg 1 4/22/2009 07:00 PM
Chloromethane	ND 0.87	5.3	µg/Kg 1 4/22/2009 07:00 PM
cis-1,2-Dichloroethene	ND 1.3	5.3	µg/Kg 1 4/22/2009 07:00 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
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Lab Order: 105148
Project: 207126015
Lab ID: 105148-015B

Client Sample ID: 1001-106-2-S
Collection Date: 4/21/2009 9:40:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS5_090422B	QC Batch: T09VS105	PrepDate: 4/22/2009	Analyst: HH
cis-1,3-Dichloropropene	ND 1.4	5.3	µg/Kg 1 4/22/2009 07:00 PM
Dibromochloromethane	ND 0.72	5.3	µg/Kg 1 4/22/2009 07:00 PM
Dibromomethane	ND 1.8	5.3	µg/Kg 1 4/22/2009 07:00 PM
Dichlorodifluoromethane	ND 0.64	5.3	µg/Kg 1 4/22/2009 07:00 PM
Ethylbenzene	ND 0.97	5.3	µg/Kg 1 4/22/2009 07:00 PM
Hexachlorobutadiene	ND 3.6	5.3	µg/Kg 1 4/22/2009 07:00 PM
Isopropylbenzene	ND 1.3	5.3	µg/Kg 1 4/22/2009 07:00 PM
m,p-Xylene	ND 1.8	11	µg/Kg 1 4/22/2009 07:00 PM
Methylene chloride	ND 5.3	5.3	µg/Kg 1 4/22/2009 07:00 PM
n-Butylbenzene	ND 1.1	5.3	µg/Kg 1 4/22/2009 07:00 PM
n-Propylbenzene	ND 0.96	5.3	µg/Kg 1 4/22/2009 07:00 PM
Naphthalene	ND 1.8	5.3	µg/Kg 1 4/22/2009 07:00 PM
o-Xylene	ND 1.1	5.3	µg/Kg 1 4/22/2009 07:00 PM
sec-Butylbenzene	ND 0.91	5.3	µg/Kg 1 4/22/2009 07:00 PM
Styrene	ND 0.95	5.3	µg/Kg 1 4/22/2009 07:00 PM
tert-Butylbenzene	ND 0.65	5.3	µg/Kg 1 4/22/2009 07:00 PM
Tetrachloroethene	ND 1.1	5.3	µg/Kg 1 4/22/2009 07:00 PM
Toluene	ND 0.88	5.3	µg/Kg 1 4/22/2009 07:00 PM
trans-1,2-Dichloroethene	ND 1.1	5.3	µg/Kg 1 4/22/2009 07:00 PM
Trichloroethene	ND 2.1	5.3	µg/Kg 1 4/22/2009 07:00 PM
Trichlorofluoromethane	ND 1.2	5.3	µg/Kg 1 4/22/2009 07:00 PM
Vinyl chloride	ND 0.63	5.3	µg/Kg 1 4/22/2009 07:00 PM
Surr: 1,2-Dichloroethane-d4	114 0	68-147	%REC 1 4/22/2009 07:00 PM
Surr: 4-Bromofluorobenzene	99.4 0	67-127	%REC 1 4/22/2009 07:00 PM
Surr: Dibromofluoromethane	112 0	72-141	%REC 1 4/22/2009 07:00 PM
Surr: Toluene-d8	112 0	75-120	%REC 1 4/22/2009 07:00 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
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	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105148
Project: 207126015
Lab ID: 105148-015E

Client Sample ID: 1001-106-2-S
Collection Date: 4/21/2009 9:40:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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GASOLINE RANGE ORGANICS BY GC/FID

EPA 8015B(M)

RunID: GC2_090422B	QC Batch: E09VS108	PrepDate: 4/21/2009	Analyst: KHN			
GRO	ND	0.15	0.98	mg/Kg	1	4/22/2009 06:43 PM
Surr: Bromofluorobenzene (FID)	99.5	0	59-145	%REC	1	4/22/2009 06:43 PM

HYDROCARBON CHAIN IDENTIFICATION

EPA 8015B

RunID: GC2_090422B	QC Batch: E09VS108	PrepDate: 4/21/2009	Analyst: KHN			
T/R Hydrocarbons: C4-C12	ND	0.19	0.98	mg/Kg	1	4/22/2009 06:43 PM
Surr: Bromofluorobenzene (FID)	99.5	0	59-145	%REC	1	4/22/2009 06:43 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105148
Project: 207126015
Lab ID: 105148-016A

Client Sample ID: 1001-106-5-S
Collection Date: 4/21/2009 9:45:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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ICP METALS

EPA 3050B

EPA 6010B

RunID:	ICP8_090427H	QC Batch:	54945	PrepDate:	4/23/2009	Analyst:	CL
Antimony	ND	0.28	2.0	mg/Kg	1	4/27/2009 05:09 PM	
Arsenic	ND	0.27	1.0	mg/Kg	1	4/27/2009 05:09 PM	
Barium	190	0.13	1.0	mg/Kg	1	4/27/2009 05:09 PM	
Beryllium	ND	0.055	1.0	mg/Kg	1	4/27/2009 05:09 PM	
Cadmium	ND	0.0064	1.0	mg/Kg	1	4/27/2009 05:09 PM	
Chromium	28	0.088	1.0	mg/Kg	1	4/27/2009 05:09 PM	
Cobalt	11	0.014	1.0	mg/Kg	1	4/27/2009 05:09 PM	
Copper	27	0.26	2.0	mg/Kg	1	4/27/2009 05:09 PM	
Lead	ND	0.11	1.0	mg/Kg	1	4/27/2009 05:09 PM	
Molybdenum	ND	0.043	1.0	mg/Kg	1	4/27/2009 05:09 PM	
Nickel	20	0.032	1.0	mg/Kg	1	4/27/2009 05:09 PM	
Selenium	ND	0.43	1.0	mg/Kg	1	4/27/2009 05:09 PM	
Silver	ND	0.017	1.0	mg/Kg	1	4/27/2009 05:09 PM	
Thallium	ND	0.23	1.0	mg/Kg	1	4/27/2009 05:09 PM	
Vanadium	61	0.019	1.0	mg/Kg	1	4/27/2009 05:09 PM	
Zinc	59	0.19	1.0	mg/Kg	1	4/27/2009 05:09 PM	

HEXAVALENT CHROMIUM

EPA 7196A

RunID:	WETCHEM3_090427B	QC Batch:	55024	PrepDate:	4/27/2009	Analyst:	CBB
Chromium, Hexavalent	0.18	0.074	0.10	mg/Kg	1	4/27/2009	

DIESEL RANGE ORGANICS BY GC/FID LUFT

EPA 8015B(M)

RunID:	GC16_090423D	QC Batch:	54921	PrepDate:	4/22/2009	Analyst:	CBR
DRO	ND	10	10	mg/Kg	1	4/24/2009 12:45 AM	
Surr: p-Terphenyl	104	0	57-144	%REC	1	4/24/2009 12:45 AM	

HYDROCARBON CHAIN IDENTIFICATION LUFT

EPA 8015B(M)

RunID:	GC16_090423D	QC Batch:	54921	PrepDate:	4/22/2009	Analyst:	CBR
T/R Hydrocarbons: C13-C22	ND	10	10	mg/Kg	1	4/24/2009 12:45 AM	
T/R Hydrocarbons: C23-C32	ND	10	10	mg/Kg	1	4/24/2009 12:45 AM	
T/R Hydrocarbons: >C32	ND	10	10	mg/Kg	1	4/24/2009 12:45 AM	
Surr: p-Terphenyl	104	0	57-144	%REC	1	4/24/2009 12:45 AM	

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105148
Project: 207126015
Lab ID: 105148-016A

Client Sample ID: 1001-106-5-S
Collection Date: 4/21/2009 9:45:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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PCBS BY GC/ECD

EPA 3550B		EPA 8082					
RunID: GC5_090423A	QC Batch: 54966			PrepDate:	4/23/2009	Analyst: BB	
Aroclor 1016	ND	5.0	16	µg/Kg	1	4/23/2009 11:13 PM	
Aroclor 1221	ND	5.0	33	µg/Kg	1	4/23/2009 11:13 PM	
Aroclor 1232	ND	5.0	16	µg/Kg	1	4/23/2009 11:13 PM	
Aroclor 1242	ND	5.0	16	µg/Kg	1	4/23/2009 11:13 PM	
Aroclor 1248	ND	5.0	16	µg/Kg	1	4/23/2009 11:13 PM	
Aroclor 1254	ND	5.0	16	µg/Kg	1	4/23/2009 11:13 PM	
Aroclor 1260	ND	5.0	16	µg/Kg	1	4/23/2009 11:13 PM	
Aroclor 1262	ND	5.0	16	µg/Kg	1	4/23/2009 11:13 PM	
Aroclor 1268	ND	5.0	16	µg/Kg	1	4/23/2009 11:13 PM	
Surr: Decachlorobiphenyl	80.5	0	30-124	%REC	1	4/23/2009 11:13 PM	
Surr: Tetrachloro-m-xylene	110	0	40-118	%REC	1	4/23/2009 11:13 PM	

MERCURY BY COLD VAPOR TECHNIQUE

EPA 7471A							
RunID: AA5_090423C	QC Batch: 54934			PrepDate:	4/23/2009	Analyst: RQ	
Mercury	ND	0.021	0.10	mg/Kg	1	4/23/2009 12:55 PM	

SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3550B		EPA 8270C					
RunID: MS6_090428A	QC Batch: 54950			PrepDate:	4/23/2009	Analyst: DMP	
1,2,4-Trichlorobenzene	ND	82	330	µg/Kg	1	4/28/2009 01:35 PM	
1,2-Dichlorobenzene	ND	85	330	µg/Kg	1	4/28/2009 01:35 PM	
1,3-Dichlorobenzene	ND	74	330	µg/Kg	1	4/28/2009 01:35 PM	
1,4-Dichlorobenzene	ND	78	330	µg/Kg	1	4/28/2009 01:35 PM	
2,4,5-Trichlorophenol	ND	56	330	µg/Kg	1	4/28/2009 01:35 PM	
2,4,6-Trichlorophenol	ND	78	330	µg/Kg	1	4/28/2009 01:35 PM	
2,4-Dichlorophenol	ND	87	1600	µg/Kg	1	4/28/2009 01:35 PM	
2,4-Dimethylphenol	ND	88	330	µg/Kg	1	4/28/2009 01:35 PM	
2,4-Dinitrophenol	ND	45	1600	µg/Kg	1	4/28/2009 01:35 PM	
2,4-Dinitrotoluene	ND	67	330	µg/Kg	1	4/28/2009 01:35 PM	
2,6-Dinitrotoluene	ND	67	330	µg/Kg	1	4/28/2009 01:35 PM	
2-Chloronaphthalene	ND	70	330	µg/Kg	1	4/28/2009 01:35 PM	
2-Chlorophenol	ND	89	330	µg/Kg	1	4/28/2009 01:35 PM	
2-Methylnaphthalene	ND	78	330	µg/Kg	1	4/28/2009 01:35 PM	
2-Methylphenol	ND	96	330	µg/Kg	1	4/28/2009 01:35 PM	

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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105148
Project: 207126015
Lab ID: 105148-016A

Client Sample ID: 1001-106-5-S
Collection Date: 4/21/2009 9:45:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3550B

EPA 8270C

RunID: MS6_090428A	QC Batch: 54950	PrepDate: 4/23/2009	Analyst: DMP
2-Nitroaniline	ND	79	1600
2-Nitrophenol	ND	70	330
3,3'-Dichlorobenzidine	ND	78	660
3-Nitroaniline	ND	60	1600
4,6-Dinitro-2-methylphenol	ND	63	1600
4-Bromophenyl-phenylether	ND	73	330
4-Chloro-3-methylphenol	ND	75	660
4-Chloroaniline	ND	73	660
4-Chlorophenyl-phenylether	ND	70	330
4-Methylphenol	ND	79	330
4-Nitroaniline	ND	60	1600
4-Nitrophenol	ND	71	1600
Acenaphthene	ND	70	330
Acenaphthylene	ND	69	330
Anthracene	ND	76	330
Benzidine (M)	ND	71	1600
Benzo(a)anthracene	ND	69	330
Benzo(a)pyrene	ND	82	330
Benzo(b)fluoranthene	ND	70	330
Benzo(g,h,i)perylene	ND	71	330
Benzo(k)fluoranthene	ND	98	330
Benzoic acid	ND	64	1600
Benzyl alcohol	ND	86	660
Bis(2-chloroethoxy)methane	ND	79	330
Bis(2-chloroethyl)ether	ND	81	330
Bis(2-chloroisopropyl)ether	ND	91	330
Bis(2-ethylhexyl)phthalate	ND	72	330
Butylbenzylphthalate	ND	72	330
Chrysene	ND	79	330
Di-n-butylphthalate	ND	78	330
Di-n-octylphthalate	ND	71	330
Dibenz(a,h)anthracene	ND	83	330
Dibenzofuran	ND	68	330
Diethylphthalate	ND	74	330
Dimethylphthalate	ND	69	330

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
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Lab ID: 105148-016A

Client Sample ID: 1001-106-5-S
Collection Date: 4/21/2009 9:45:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3550B

EPA 8270C

RunID: MS6_090428A	QC Batch: 54950	PrepDate: 4/23/2009	Analyst: DMP
Fluoranthene	ND	73	330
Fluorene	ND	69	330
Hexachlorobenzene	ND	76	330
Hexachlorobutadiene	ND	77	660
Hexachlorocyclopentadiene	ND	80	660
Hexachloroethane	ND	81	330
Indeno(1,2,3-cd)pyrene	ND	69	330
Isophorone	ND	85	330
N-Nitrosodi-n-propylamine	ND	82	330
N-Nitrosodiphenylamine	ND	79	330
Naphthalene	ND	86	330
Nitrobenzene	ND	82	330
Pentachlorophenol	ND	55	1600
Phenanthrene	ND	76	330
Phenol	ND	95	330
Pyrene	ND	77	330
Surr: 1,2-Dichlorobenzene-d4	86.8	0	49-103
Surr: 2,4,6-Tribromophenol	91.7	0	47-129
Surr: 2-Chlorophenol-d4	91.2	0	54-109
Surr: 2-Fluorobiphenyl	94.5	0	59-108
Surr: 2-Fluorophenol	95.1	0	50-111
Surr: 4-Terphenyl-d14	117	0	58-135
Surr: Nitrobenzene-d5	97.3	0	54-115
Surr: Phenol-d5	94.1	0	58-112

PH

EPA 9045C

RunID: WETCHEM_090423B	QC Batch: R108436	PrepDate:	Analyst: DDL
pH	8.1	0.10	0.10

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
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Client Sample ID: 1001-106-5-S
Collection Date: 4/21/2009 9:45:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS5_090422B	QC Batch: T09VS105	PrepDate: 4/22/2009	Analyst: HH
1,1,1,2-Tetrachloroethane	ND 1.6	4.5	µg/Kg 1 4/22/2009 07:19 PM
1,1,1-Trichloroethane	ND 0.58	4.5	µg/Kg 1 4/22/2009 07:19 PM
1,1,2,2-Tetrachloroethane	ND 1.4	4.5	µg/Kg 1 4/22/2009 07:19 PM
1,1,2-Trichloroethane	ND 1.5	4.5	µg/Kg 1 4/22/2009 07:19 PM
1,1-Dichloroethane	ND 0.45	4.5	µg/Kg 1 4/22/2009 07:19 PM
1,1-Dichloroethene	ND 1.1	4.5	µg/Kg 1 4/22/2009 07:19 PM
1,1-Dichloropropene	ND 1.4	4.5	µg/Kg 1 4/22/2009 07:19 PM
1,2,3-Trichlorobenzene	ND 0.93	4.5	µg/Kg 1 4/22/2009 07:19 PM
1,2,3-Trichloropropane	ND 0.67	4.5	µg/Kg 1 4/22/2009 07:19 PM
1,2,4-Trichlorobenzene	ND 1.2	4.5	µg/Kg 1 4/22/2009 07:19 PM
1,2,4-Trimethylbenzene	ND 0.77	4.5	µg/Kg 1 4/22/2009 07:19 PM
1,2-Dibromo-3-chloropropane	ND 1.7	9.0	µg/Kg 1 4/22/2009 07:19 PM
1,2-Dibromoethane	ND 1.3	4.5	µg/Kg 1 4/22/2009 07:19 PM
1,2-Dichlorobenzene	ND 0.75	4.5	µg/Kg 1 4/22/2009 07:19 PM
1,2-Dichloroethane	ND 1.0	4.5	µg/Kg 1 4/22/2009 07:19 PM
1,2-Dichloropropane	ND 1.4	4.5	µg/Kg 1 4/22/2009 07:19 PM
1,3,5-Trimethylbenzene	ND 0.90	4.5	µg/Kg 1 4/22/2009 07:19 PM
1,3-Dichlorobenzene	ND 0.90	4.5	µg/Kg 1 4/22/2009 07:19 PM
1,3-Dichloropropane	ND 0.94	4.5	µg/Kg 1 4/22/2009 07:19 PM
1,4-Dichlorobenzene	ND 1.1	4.5	µg/Kg 1 4/22/2009 07:19 PM
2,2-Dichloropropane	ND 0.78	4.5	µg/Kg 1 4/22/2009 07:19 PM
2-Chlorotoluene	ND 0.59	4.5	µg/Kg 1 4/22/2009 07:19 PM
4-Chlorotoluene	ND 0.60	4.5	µg/Kg 1 4/22/2009 07:19 PM
4-Isopropyltoluene	ND 0.51	4.5	µg/Kg 1 4/22/2009 07:19 PM
Benzene	ND 0.74	4.5	µg/Kg 1 4/22/2009 07:19 PM
Bromobenzene	ND 1.4	4.5	µg/Kg 1 4/22/2009 07:19 PM
Bromodichloromethane	ND 0.77	4.5	µg/Kg 1 4/22/2009 07:19 PM
Bromoform	ND 1.1	4.5	µg/Kg 1 4/22/2009 07:19 PM
Bromomethane	ND 0.78	4.5	µg/Kg 1 4/22/2009 07:19 PM
Carbon tetrachloride	ND 1.2	4.5	µg/Kg 1 4/22/2009 07:19 PM
Chlorobenzene	ND 0.80	4.5	µg/Kg 1 4/22/2009 07:19 PM
Chloroethane	ND 1.2	4.5	µg/Kg 1 4/22/2009 07:19 PM
Chloroform	ND 0.56	4.5	µg/Kg 1 4/22/2009 07:19 PM
Chloromethane	ND 0.73	4.5	µg/Kg 1 4/22/2009 07:19 PM
cis-1,2-Dichloroethene	ND 1.1	4.5	µg/Kg 1 4/22/2009 07:19 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105148
Project: 207126015
Lab ID: 105148-016B

Client Sample ID: 1001-106-5-S
Collection Date: 4/21/2009 9:45:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS5_090422B	QC Batch: T09VS105	PrepDate: 4/22/2009	Analyst: HH
cis-1,3-Dichloropropene	ND 1.1	4.5	µg/Kg 1 4/22/2009 07:19 PM
Dibromochloromethane	ND 0.61	4.5	µg/Kg 1 4/22/2009 07:19 PM
Dibromomethane	ND 1.5	4.5	µg/Kg 1 4/22/2009 07:19 PM
Dichlorodifluoromethane	ND 0.54	4.5	µg/Kg 1 4/22/2009 07:19 PM
Ethylbenzene	ND 0.82	4.5	µg/Kg 1 4/22/2009 07:19 PM
Hexachlorobutadiene	ND 3.0	4.5	µg/Kg 1 4/22/2009 07:19 PM
Isopropylbenzene	ND 1.1	4.5	µg/Kg 1 4/22/2009 07:19 PM
m,p-Xylene	ND 1.5	9.0	µg/Kg 1 4/22/2009 07:19 PM
Methylene chloride	ND 4.5	4.5	µg/Kg 1 4/22/2009 07:19 PM
n-Butylbenzene	ND 0.93	4.5	µg/Kg 1 4/22/2009 07:19 PM
n-Propylbenzene	ND 0.81	4.5	µg/Kg 1 4/22/2009 07:19 PM
Naphthalene	ND 1.5	4.5	µg/Kg 1 4/22/2009 07:19 PM
o-Xylene	ND 0.92	4.5	µg/Kg 1 4/22/2009 07:19 PM
sec-Butylbenzene	ND 0.76	4.5	µg/Kg 1 4/22/2009 07:19 PM
Styrene	ND 0.80	4.5	µg/Kg 1 4/22/2009 07:19 PM
tert-Butylbenzene	ND 0.55	4.5	µg/Kg 1 4/22/2009 07:19 PM
Tetrachloroethene	ND 0.95	4.5	µg/Kg 1 4/22/2009 07:19 PM
Toluene	ND 0.74	4.5	µg/Kg 1 4/22/2009 07:19 PM
trans-1,2-Dichloroethene	ND 0.89	4.5	µg/Kg 1 4/22/2009 07:19 PM
Trichloroethene	ND 1.8	4.5	µg/Kg 1 4/22/2009 07:19 PM
Trichlorofluoromethane	ND 1.0	4.5	µg/Kg 1 4/22/2009 07:19 PM
Vinyl chloride	ND 0.53	4.5	µg/Kg 1 4/22/2009 07:19 PM
Surr: 1,2-Dichloroethane-d4	112 0	68-147	%REC 1 4/22/2009 07:19 PM
Surr: 4-Bromofluorobenzene	106 0	67-127	%REC 1 4/22/2009 07:19 PM
Surr: Dibromofluoromethane	110 0	72-141	%REC 1 4/22/2009 07:19 PM
Surr: Toluene-d8	114 0	75-120	%REC 1 4/22/2009 07:19 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105148
Project: 207126015
Lab ID: 105148-016E

Client Sample ID: 1001-106-5-S
Collection Date: 4/21/2009 9:45:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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GASOLINE RANGE ORGANICS BY GC/FID

EPA 8015B(M)

RunID: GC2_090422B	QC Batch: E09VS108	PrepDate: 4/21/2009	Analyst: KHN		
GRO	ND 0.14	0.92	mg/Kg	1	4/22/2009 06:58 PM
Surr: Bromofluorobenzene (FID)	116 0	59-145	%REC	1	4/22/2009 06:58 PM

HYDROCARBON CHAIN IDENTIFICATION

EPA 8015B

RunID: GC2_090422B	QC Batch: E09VS108	PrepDate: 4/21/2009	Analyst: KHN		
T/R Hydrocarbons: C4-C12	ND 0.18	0.92	mg/Kg	1	4/22/2009 06:58 PM
Surr: Bromofluorobenzene (FID)	116 0	59-145	%REC	1	4/22/2009 06:58 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



Advanced Technology
Laboratories

3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562.989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105148
Project: 207126015
Lab ID: 105148-017A

Client Sample ID: 1001-106-10-S
Collection Date: 4/21/2009 9:55:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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ICP METALS

EPA 3050B		EPA 6010B			
RunID: ICP8_090427H	QC Batch: 54945			PrepDate: 4/23/2009	Analyst: CL
Antimony	ND	0.28	2.0	mg/Kg	1 4/27/2009 05:11 PM
Arsenic	ND	0.27	1.0	mg/Kg	1 4/27/2009 05:11 PM
Barium	170	0.13	1.0	mg/Kg	1 4/27/2009 05:11 PM
Beryllium	ND	0.055	1.0	mg/Kg	1 4/27/2009 05:11 PM
Cadmium	ND	0.0064	1.0	mg/Kg	1 4/27/2009 05:11 PM
Chromium	23	0.088	1.0	mg/Kg	1 4/27/2009 05:11 PM
Cobalt	10	0.014	1.0	mg/Kg	1 4/27/2009 05:11 PM
Copper	26	0.26	2.0	mg/Kg	1 4/27/2009 05:11 PM
Lead	ND	0.11	1.0	mg/Kg	1 4/27/2009 05:11 PM
Molybdenum	ND	0.043	1.0	mg/Kg	1 4/27/2009 05:11 PM
Nickel	18	0.032	1.0	mg/Kg	1 4/27/2009 05:11 PM
Selenium	ND	0.43	1.0	mg/Kg	1 4/27/2009 05:11 PM
Silver	ND	0.017	1.0	mg/Kg	1 4/27/2009 05:11 PM
Thallium	ND	0.23	1.0	mg/Kg	1 4/27/2009 05:11 PM
Vanadium	56	0.019	1.0	mg/Kg	1 4/27/2009 05:11 PM
Zinc	55	0.19	1.0	mg/Kg	1 4/27/2009 05:11 PM

HEXAVALENT CHROMIUM

EPA 7196A	
RunID: WETCHEM3_090427B	QC Batch: 55024
PrepDate: 4/27/2009	Analyst: CBB
Chromium, Hexavalent	ND 0.074 0.10 mg/Kg 1 4/27/2009

DIESEL RANGE ORGANICS BY GC/FID LUFT

EPA 8015B(M)	
RunID: GC16_090423D	QC Batch: 54921
PrepDate: 4/22/2009	Analyst: CBR
DRO	ND 10 10 mg/Kg 1 4/24/2009 12:54 AM
Surr: p-Terphenyl	95.7 0 57-144 %REC 1 4/24/2009 12:54 AM

HYDROCARBON CHAIN IDENTIFICATION LUFT

EPA 8015B(M)	
RunID: GC16_090423D	QC Batch: 54921
PrepDate: 4/22/2009	Analyst: CBR
T/R Hydrocarbons: C13-C22	ND 10 10 mg/Kg 1 4/24/2009 12:54 AM
T/R Hydrocarbons: C23-C32	ND 10 10 mg/Kg 1 4/24/2009 12:54 AM
T/R Hydrocarbons:>C32	ND 10 10 mg/Kg 1 4/24/2009 12:54 AM
Surr: p-Terphenyl	95.7 0 57-144 %REC 1 4/24/2009 12:54 AM

Qualifiers:	B Analyte detected in the associated Method Blank	E Value above quantitation range
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	S Spike/Surrogate outside of limits due to matrix interference	Results are wet unless otherwise specified
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Client Sample ID: 1001-106-10-S
Collection Date: 4/21/2009 9:55:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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PCBS BY GC/ECD

EPA 3550B		EPA 8082					
RunID: GC5_090423A	QC Batch: 54966			PrepDate:	4/23/2009	Analyst: BB	
Aroclor 1016	ND	5.0	16	µg/Kg	1	4/23/2009 11:43 PM	
Aroclor 1221	ND	5.0	33	µg/Kg	1	4/23/2009 11:43 PM	
Aroclor 1232	ND	5.0	16	µg/Kg	1	4/23/2009 11:43 PM	
Aroclor 1242	ND	5.0	16	µg/Kg	1	4/23/2009 11:43 PM	
Aroclor 1248	ND	5.0	16	µg/Kg	1	4/23/2009 11:43 PM	
Aroclor 1254	ND	5.0	16	µg/Kg	1	4/23/2009 11:43 PM	
Aroclor 1260	ND	5.0	16	µg/Kg	1	4/23/2009 11:43 PM	
Aroclor 1262	ND	5.0	16	µg/Kg	1	4/23/2009 11:43 PM	
Aroclor 1268	ND	5.0	16	µg/Kg	1	4/23/2009 11:43 PM	
Surr: Decachlorobiphenyl	71.6	0	30-124	%REC	1	4/23/2009 11:43 PM	
Surr: Tetrachloro-m-xylene	96.5	0	40-118	%REC	1	4/23/2009 11:43 PM	

MERCURY BY COLD VAPOR TECHNIQUE

EPA 7471A							
RunID: AA5_090423C	QC Batch: 54934			PrepDate:	4/23/2009	Analyst: RQ	
Mercury	ND	0.021	0.10	mg/Kg	1	4/23/2009 01:01 PM	

SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3550B		EPA 8270C					
RunID: MS6_090428A	QC Batch: 54950			PrepDate:	4/23/2009	Analyst: DMP	
1,2,4-Trichlorobenzene	ND	82	330	µg/Kg	1	4/28/2009 02:04 PM	
1,2-Dichlorobenzene	ND	85	330	µg/Kg	1	4/28/2009 02:04 PM	
1,3-Dichlorobenzene	ND	74	330	µg/Kg	1	4/28/2009 02:04 PM	
1,4-Dichlorobenzene	ND	78	330	µg/Kg	1	4/28/2009 02:04 PM	
2,4,5-Trichlorophenol	ND	56	330	µg/Kg	1	4/28/2009 02:04 PM	
2,4,6-Trichlorophenol	ND	78	330	µg/Kg	1	4/28/2009 02:04 PM	
2,4-Dichlorophenol	ND	87	1600	µg/Kg	1	4/28/2009 02:04 PM	
2,4-Dimethylphenol	ND	88	330	µg/Kg	1	4/28/2009 02:04 PM	
2,4-Dinitrophenol	ND	45	1600	µg/Kg	1	4/28/2009 02:04 PM	
2,4-Dinitrotoluene	ND	67	330	µg/Kg	1	4/28/2009 02:04 PM	
2,6-Dinitrotoluene	ND	67	330	µg/Kg	1	4/28/2009 02:04 PM	
2-Chloronaphthalene	ND	70	330	µg/Kg	1	4/28/2009 02:04 PM	
2-Chlorophenol	ND	89	330	µg/Kg	1	4/28/2009 02:04 PM	
2-Methylnaphthalene	ND	78	330	µg/Kg	1	4/28/2009 02:04 PM	
2-Methylphenol	ND	96	330	µg/Kg	1	4/28/2009 02:04 PM	

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
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Client Sample ID: 1001-106-10-S
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Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3550B

EPA 8270C

RunID: MS6_090428A	QC Batch: 54950	PrepDate: 4/23/2009	Analyst: DMP			
2-Nitroaniline	ND	79	1600	µg/Kg	1	4/28/2009 02:04 PM
2-Nitrophenol	ND	70	330	µg/Kg	1	4/28/2009 02:04 PM
3,3'-Dichlorobenzidine	ND	78	660	µg/Kg	1	4/28/2009 02:04 PM
3-Nitroaniline	ND	60	1600	µg/Kg	1	4/28/2009 02:04 PM
4,6-Dinitro-2-methylphenol	ND	63	1600	µg/Kg	1	4/28/2009 02:04 PM
4-Bromophenyl-phenylether	ND	73	330	µg/Kg	1	4/28/2009 02:04 PM
4-Chloro-3-methylphenol	ND	75	660	µg/Kg	1	4/28/2009 02:04 PM
4-Chloroaniline	ND	73	660	µg/Kg	1	4/28/2009 02:04 PM
4-Chlorophenyl-phenylether	ND	70	330	µg/Kg	1	4/28/2009 02:04 PM
4-Methylphenol	ND	79	330	µg/Kg	1	4/28/2009 02:04 PM
4-Nitroaniline	ND	60	1600	µg/Kg	1	4/28/2009 02:04 PM
4-Nitrophenol	ND	71	1600	µg/Kg	1	4/28/2009 02:04 PM
Acenaphthene	ND	70	330	µg/Kg	1	4/28/2009 02:04 PM
Acenaphthylene	ND	69	330	µg/Kg	1	4/28/2009 02:04 PM
Anthracene	ND	76	330	µg/Kg	1	4/28/2009 02:04 PM
Benzidine (M)	ND	71	1600	µg/Kg	1	4/28/2009 02:04 PM
Benzo(a)anthracene	ND	69	330	µg/Kg	1	4/28/2009 02:04 PM
Benzo(a)pyrene	ND	82	330	µg/Kg	1	4/28/2009 02:04 PM
Benzo(b)fluoranthene	ND	70	330	µg/Kg	1	4/28/2009 02:04 PM
Benzo(g,h,i)perylene	ND	71	330	µg/Kg	1	4/28/2009 02:04 PM
Benzo(k)fluoranthene	ND	98	330	µg/Kg	1	4/28/2009 02:04 PM
Benzoic acid	ND	64	1600	µg/Kg	1	4/28/2009 02:04 PM
Benzyl alcohol	ND	86	660	µg/Kg	1	4/28/2009 02:04 PM
Bis(2-chloroethoxy)methane	ND	79	330	µg/Kg	1	4/28/2009 02:04 PM
Bis(2-chloroethyl)ether	ND	81	330	µg/Kg	1	4/28/2009 02:04 PM
Bis(2-chloroisopropyl)ether	ND	91	330	µg/Kg	1	4/28/2009 02:04 PM
Bis(2-ethylhexyl)phthalate	ND	72	330	µg/Kg	1	4/28/2009 02:04 PM
Butylbenzylphthalate	ND	72	330	µg/Kg	1	4/28/2009 02:04 PM
Chrysene	ND	79	330	µg/Kg	1	4/28/2009 02:04 PM
Di-n-butylphthalate	ND	78	330	µg/Kg	1	4/28/2009 02:04 PM
Di-n-octylphthalate	ND	71	330	µg/Kg	1	4/28/2009 02:04 PM
Dibenz(a,h)anthracene	ND	83	330	µg/Kg	1	4/28/2009 02:04 PM
Dibenzofuran	ND	68	330	µg/Kg	1	4/28/2009 02:04 PM
Diethylphthalate	ND	74	330	µg/Kg	1	4/28/2009 02:04 PM
Dimethylphthalate	ND	69	330	µg/Kg	1	4/28/2009 02:04 PM

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ND Not Detected at the Reporting Limit
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Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3550B

EPA 8270C

RunID: MS6_090428A	QC Batch: 54950	PrepDate: 4/23/2009	Analyst: DMP
Fluoranthene	ND	73	330
Fluorene	ND	69	330
Hexachlorobenzene	ND	76	330
Hexachlorobutadiene	ND	77	660
Hexachlorocyclopentadiene	ND	80	660
Hexachloroethane	ND	81	330
Indeno(1,2,3-cd)pyrene	ND	69	330
Isophorone	ND	85	330
N-Nitrosodi-n-propylamine	ND	82	330
N-Nitrosodiphenylamine	ND	79	330
Naphthalene	ND	86	330
Nitrobenzene	ND	82	330
Pentachlorophenol	ND	55	1600
Phenanthrene	ND	76	330
Phenol	ND	95	330
Pyrene	ND	77	330
Surr: 1,2-Dichlorobenzene-d4	81.1	0	49-103
Surr: 2,4,6-Tribromophenol	90.4	0	47-129
Surr: 2-Chlorophenol-d4	86.6	0	54-109
Surr: 2-Fluorobiphenyl	94.5	0	59-108
Surr: 2-Fluorophenol	90.0	0	50-111
Surr: 4-Terphenyl-d14	120	0	58-135
Surr: Nitrobenzene-d5	92.7	0	54-115
Surr: Phenol-d5	91.1	0	58-112

PH

EPA 9045C

RunID: WETCHEM_090423B	QC Batch: R108436	PrepDate:	Analyst: DDL
pH	8.1	0.10	0.10

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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS5_090422B	QC Batch: T09VS105	PrepDate: 4/22/2009	Analyst: HH
1,1,1,2-Tetrachloroethane	ND 1.4	4.2	µg/Kg 1 4/22/2009 07:39 PM
1,1,1-Trichloroethane	ND 0.54	4.2	µg/Kg 1 4/22/2009 07:39 PM
1,1,2,2-Tetrachloroethane	ND 1.3	4.2	µg/Kg 1 4/22/2009 07:39 PM
1,1,2-Trichloroethane	ND 1.4	4.2	µg/Kg 1 4/22/2009 07:39 PM
1,1-Dichloroethane	ND 0.42	4.2	µg/Kg 1 4/22/2009 07:39 PM
1,1-Dichloroethene	ND 1.1	4.2	µg/Kg 1 4/22/2009 07:39 PM
1,1-Dichloropropene	ND 1.3	4.2	µg/Kg 1 4/22/2009 07:39 PM
1,2,3-Trichlorobenzene	ND 0.86	4.2	µg/Kg 1 4/22/2009 07:39 PM
1,2,3-Trichloropropane	ND 0.62	4.2	µg/Kg 1 4/22/2009 07:39 PM
1,2,4-Trichlorobenzene	ND 1.1	4.2	µg/Kg 1 4/22/2009 07:39 PM
1,2,4-Trimethylbenzene	ND 0.72	4.2	µg/Kg 1 4/22/2009 07:39 PM
1,2-Dibromo-3-chloropropane	ND 1.6	8.3	µg/Kg 1 4/22/2009 07:39 PM
1,2-Dibromoethane	ND 1.2	4.2	µg/Kg 1 4/22/2009 07:39 PM
1,2-Dichlorobenzene	ND 0.69	4.2	µg/Kg 1 4/22/2009 07:39 PM
1,2-Dichloroethane	ND 0.98	4.2	µg/Kg 1 4/22/2009 07:39 PM
1,2-Dichloropropane	ND 1.3	4.2	µg/Kg 1 4/22/2009 07:39 PM
1,3,5-Trimethylbenzene	ND 0.84	4.2	µg/Kg 1 4/22/2009 07:39 PM
1,3-Dichlorobenzene	ND 0.84	4.2	µg/Kg 1 4/22/2009 07:39 PM
1,3-Dichloropropane	ND 0.88	4.2	µg/Kg 1 4/22/2009 07:39 PM
1,4-Dichlorobenzene	ND 1.0	4.2	µg/Kg 1 4/22/2009 07:39 PM
2,2-Dichloropropane	ND 0.73	4.2	µg/Kg 1 4/22/2009 07:39 PM
2-Chlorotoluene	ND 0.55	4.2	µg/Kg 1 4/22/2009 07:39 PM
4-Chlorotoluene	ND 0.56	4.2	µg/Kg 1 4/22/2009 07:39 PM
4-Isopropyltoluene	ND 0.48	4.2	µg/Kg 1 4/22/2009 07:39 PM
Benzene	ND 0.68	4.2	µg/Kg 1 4/22/2009 07:39 PM
Bromobenzene	ND 1.3	4.2	µg/Kg 1 4/22/2009 07:39 PM
Bromodichloromethane	ND 0.71	4.2	µg/Kg 1 4/22/2009 07:39 PM
Bromoform	ND 1.0	4.2	µg/Kg 1 4/22/2009 07:39 PM
Bromomethane	ND 0.73	4.2	µg/Kg 1 4/22/2009 07:39 PM
Carbon tetrachloride	ND 1.1	4.2	µg/Kg 1 4/22/2009 07:39 PM
Chlorobenzene	ND 0.75	4.2	µg/Kg 1 4/22/2009 07:39 PM
Chloroethane	ND 1.1	4.2	µg/Kg 1 4/22/2009 07:39 PM
Chloroform	ND 0.52	4.2	µg/Kg 1 4/22/2009 07:39 PM
Chloromethane	ND 0.68	4.2	µg/Kg 1 4/22/2009 07:39 PM
cis-1,2-Dichloroethene	ND 1.0	4.2	µg/Kg 1 4/22/2009 07:39 PM

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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS5_090422B	QC Batch: T09VS105	PrepDate: 4/22/2009	Analyst: HH
cis-1,3-Dichloropropene	ND 1.1	4.2	µg/Kg 1 4/22/2009 07:39 PM
Dibromochloromethane	ND 0.57	4.2	µg/Kg 1 4/22/2009 07:39 PM
Dibromomethane	ND 1.4	4.2	µg/Kg 1 4/22/2009 07:39 PM
Dichlorodifluoromethane	ND 0.50	4.2	µg/Kg 1 4/22/2009 07:39 PM
Ethylbenzene	ND 0.76	4.2	µg/Kg 1 4/22/2009 07:39 PM
Hexachlorobutadiene	ND 2.8	4.2	µg/Kg 1 4/22/2009 07:39 PM
Isopropylbenzene	ND 1.0	4.2	µg/Kg 1 4/22/2009 07:39 PM
m,p-Xylene	ND 1.4	8.3	µg/Kg 1 4/22/2009 07:39 PM
Methylene chloride	ND 4.2	4.2	µg/Kg 1 4/22/2009 07:39 PM
n-Butylbenzene	ND 0.87	4.2	µg/Kg 1 4/22/2009 07:39 PM
n-Propylbenzene	ND 0.75	4.2	µg/Kg 1 4/22/2009 07:39 PM
Naphthalene	ND 1.4	4.2	µg/Kg 1 4/22/2009 07:39 PM
o-Xylene	ND 0.86	4.2	µg/Kg 1 4/22/2009 07:39 PM
sec-Butylbenzene	ND 0.71	4.2	µg/Kg 1 4/22/2009 07:39 PM
Styrene	ND 0.75	4.2	µg/Kg 1 4/22/2009 07:39 PM
tert-Butylbenzene	ND 0.51	4.2	µg/Kg 1 4/22/2009 07:39 PM
Tetrachloroethene	ND 0.88	4.2	µg/Kg 1 4/22/2009 07:39 PM
Toluene	ND 0.69	4.2	µg/Kg 1 4/22/2009 07:39 PM
trans-1,2-Dichloroethene	ND 0.83	4.2	µg/Kg 1 4/22/2009 07:39 PM
Trichloroethene	ND 1.6	4.2	µg/Kg 1 4/22/2009 07:39 PM
Trichlorofluoromethane	ND 0.97	4.2	µg/Kg 1 4/22/2009 07:39 PM
Vinyl chloride	ND 0.49	4.2	µg/Kg 1 4/22/2009 07:39 PM
Surr: 1,2-Dichloroethane-d4	108 0	68-147	%REC 1 4/22/2009 07:39 PM
Surr: 4-Bromofluorobenzene	104 0	67-127	%REC 1 4/22/2009 07:39 PM
Surr: Dibromofluoromethane	109 0	72-141	%REC 1 4/22/2009 07:39 PM
Surr: Toluene-d8	109 0	75-120	%REC 1 4/22/2009 07:39 PM

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Matrix: SOIL

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GASOLINE RANGE ORGANICS BY GC/FID

EPA 8015B(M)

RunID: GC2_090422B	QC Batch: E09VS108	PrepDate: 4/21/2009	Analyst: KHN		
GRO	ND 0.13	0.88	mg/Kg	1	4/22/2009 07:14 PM
Surr: Bromofluorobenzene (FID)	117 0	59-145	%REC	1	4/22/2009 07:14 PM

HYDROCARBON CHAIN IDENTIFICATION

EPA 8015B

RunID: GC2_090422B	QC Batch: E09VS108	PrepDate: 4/21/2009	Analyst: KHN		
T/R Hydrocarbons: C4-C12	ND 0.17	0.88	mg/Kg	1	4/22/2009 07:14 PM
Surr: Bromofluorobenzene (FID)	117 0	59-145	%REC	1	4/22/2009 07:14 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



Advanced Technology
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Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105148
Project: 207126015
Lab ID: 105148-018A

Client Sample ID: 1001-106-20-S
Collection Date: 4/21/2009 10:05:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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ICP METALS

EPA 3050B

EPA 6010B

RunID:	ICP8_090427H	QC Batch:	54945	PrepDate:	4/23/2009	Analyst:	CL
Antimony	ND	0.28	2.0	mg/Kg	1	4/27/2009 05:14 PM	
Arsenic	ND	0.27	1.0	mg/Kg	1	4/27/2009 05:14 PM	
Barium	180	0.13	1.0	mg/Kg	1	4/27/2009 05:14 PM	
Beryllium	ND	0.055	1.0	mg/Kg	1	4/27/2009 05:14 PM	
Cadmium	ND	0.0064	1.0	mg/Kg	1	4/27/2009 05:14 PM	
Chromium	25	0.088	1.0	mg/Kg	1	4/27/2009 05:14 PM	
Cobalt	9.9	0.014	1.0	mg/Kg	1	4/27/2009 05:14 PM	
Copper	30	0.26	2.0	mg/Kg	1	4/27/2009 05:14 PM	
Lead	ND	0.11	1.0	mg/Kg	1	4/27/2009 05:14 PM	
Molybdenum	ND	0.043	1.0	mg/Kg	1	4/27/2009 05:14 PM	
Nickel	17	0.032	1.0	mg/Kg	1	4/27/2009 05:14 PM	
Selenium	ND	0.43	1.0	mg/Kg	1	4/27/2009 05:14 PM	
Silver	ND	0.017	1.0	mg/Kg	1	4/27/2009 05:14 PM	
Thallium	ND	0.23	1.0	mg/Kg	1	4/27/2009 05:14 PM	
Vanadium	67	0.019	1.0	mg/Kg	1	4/27/2009 05:14 PM	
Zinc	58	0.19	1.0	mg/Kg	1	4/27/2009 05:14 PM	

HEXAVALENT CHROMIUM

EPA 7196A

RunID:	WETCHEM3_090427B	QC Batch:	55024	PrepDate:	4/27/2009	Analyst:	CBB
Chromium, Hexavalent	ND	0.074	0.10	mg/Kg	1	4/27/2009	

DIESEL RANGE ORGANICS BY GC/FID LUFT

EPA 8015B(M)

RunID:	GC16_090423D	QC Batch:	54921	PrepDate:	4/22/2009	Analyst:	CBR
DRO	ND	10	10	mg/Kg	1	4/24/2009 01:03 AM	
Surr: p-Terphenyl	110	0	57-144	%REC	1	4/24/2009 01:03 AM	

HYDROCARBON CHAIN IDENTIFICATION LUFT

EPA 8015B(M)

RunID:	GC16_090423D	QC Batch:	54921	PrepDate:	4/22/2009	Analyst:	CBR
T/R Hydrocarbons: C13-C22	ND	10	10	mg/Kg	1	4/24/2009 01:03 AM	
T/R Hydrocarbons: C23-C32	ND	10	10	mg/Kg	1	4/24/2009 01:03 AM	
T/R Hydrocarbons: >C32	ND	10	10	mg/Kg	1	4/24/2009 01:03 AM	
Surr: p-Terphenyl	110	0	57-144	%REC	1	4/24/2009 01:03 AM	

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
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ANALYTICAL RESULTS

Print Date: 01-May-09

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Lab Order: 105148
Project: 207126015
Lab ID: 105148-018A

Client Sample ID: 1001-106-20-S
Collection Date: 4/21/2009 10:05:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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PCBS BY GC/ECD

EPA 3550B		EPA 8082					
RunID: GC5_090423A	QC Batch: 54966			PrepDate:	4/23/2009	Analyst: BB	
Aroclor 1016	ND	5.0	16	µg/Kg	1	4/24/2009 12:13 AM	
Aroclor 1221	ND	5.0	33	µg/Kg	1	4/24/2009 12:13 AM	
Aroclor 1232	ND	5.0	16	µg/Kg	1	4/24/2009 12:13 AM	
Aroclor 1242	ND	5.0	16	µg/Kg	1	4/24/2009 12:13 AM	
Aroclor 1248	ND	5.0	16	µg/Kg	1	4/24/2009 12:13 AM	
Aroclor 1254	ND	5.0	16	µg/Kg	1	4/24/2009 12:13 AM	
Aroclor 1260	ND	5.0	16	µg/Kg	1	4/24/2009 12:13 AM	
Aroclor 1262	ND	5.0	16	µg/Kg	1	4/24/2009 12:13 AM	
Aroclor 1268	ND	5.0	16	µg/Kg	1	4/24/2009 12:13 AM	
Surr: Decachlorobiphenyl	82.9	0	30-124	%REC	1	4/24/2009 12:13 AM	
Surr: Tetrachloro-m-xylene	117	0	40-118	%REC	1	4/24/2009 12:13 AM	

MERCURY BY COLD VAPOR TECHNIQUE

EPA 7471A							
RunID: AA5_090423C	QC Batch: 54934			PrepDate:	4/23/2009	Analyst: RQ	
Mercury	ND	0.021	0.10	mg/Kg	1	4/23/2009 01:03 PM	

SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3550B		EPA 8270C					
RunID: MS6_090428A	QC Batch: 54950			PrepDate:	4/23/2009	Analyst: DMP	
1,2,4-Trichlorobenzene	ND	82	330	µg/Kg	1	4/28/2009 11:11 AM	
1,2-Dichlorobenzene	ND	85	330	µg/Kg	1	4/28/2009 11:11 AM	
1,3-Dichlorobenzene	ND	74	330	µg/Kg	1	4/28/2009 11:11 AM	
1,4-Dichlorobenzene	ND	78	330	µg/Kg	1	4/28/2009 11:11 AM	
2,4,5-Trichlorophenol	ND	56	330	µg/Kg	1	4/28/2009 11:11 AM	
2,4,6-Trichlorophenol	ND	78	330	µg/Kg	1	4/28/2009 11:11 AM	
2,4-Dichlorophenol	ND	87	1600	µg/Kg	1	4/28/2009 11:11 AM	
2,4-Dimethylphenol	ND	88	330	µg/Kg	1	4/28/2009 11:11 AM	
2,4-Dinitrophenol	ND	45	1600	µg/Kg	1	4/28/2009 11:11 AM	
2,4-Dinitrotoluene	ND	67	330	µg/Kg	1	4/28/2009 11:11 AM	
2,6-Dinitrotoluene	ND	67	330	µg/Kg	1	4/28/2009 11:11 AM	
2-Chloronaphthalene	ND	70	330	µg/Kg	1	4/28/2009 11:11 AM	
2-Chlorophenol	ND	89	330	µg/Kg	1	4/28/2009 11:11 AM	
2-Methylnaphthalene	ND	78	330	µg/Kg	1	4/28/2009 11:11 AM	
2-Methylphenol	ND	96	330	µg/Kg	1	4/28/2009 11:11 AM	

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Project: 207126015
Lab ID: 105148-018A

Client Sample ID: 1001-106-20-S
Collection Date: 4/21/2009 10:05:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3550B

EPA 8270C

RunID: MS6_090428A	QC Batch: 54950	PrepDate: 4/23/2009	Analyst: DMP
2-Nitroaniline	ND	79	1600
2-Nitrophenol	ND	70	330
3,3'-Dichlorobenzidine	ND	78	660
3-Nitroaniline	ND	60	1600
4,6-Dinitro-2-methylphenol	ND	63	1600
4-Bromophenyl-phenylether	ND	73	330
4-Chloro-3-methylphenol	ND	75	660
4-Chloroaniline	ND	73	660
4-Chlorophenyl-phenylether	ND	70	330
4-Methylphenol	ND	79	330
4-Nitroaniline	ND	60	1600
4-Nitrophenol	ND	71	1600
Acenaphthene	ND	70	330
Acenaphthylene	ND	69	330
Anthracene	ND	76	330
Benzidine (M)	ND	71	1600
Benzo(a)anthracene	ND	69	330
Benzo(a)pyrene	ND	82	330
Benzo(b)fluoranthene	ND	70	330
Benzo(g,h,i)perylene	ND	71	330
Benzo(k)fluoranthene	ND	98	330
Benzoic acid	ND	64	1600
Benzyl alcohol	ND	86	660
Bis(2-chloroethoxy)methane	ND	79	330
Bis(2-chloroethyl)ether	ND	81	330
Bis(2-chloroisopropyl)ether	ND	91	330
Bis(2-ethylhexyl)phthalate	ND	72	330
Butylbenzylphthalate	ND	72	330
Chrysene	ND	79	330
Di-n-butylphthalate	ND	78	330
Di-n-octylphthalate	ND	71	330
Dibenz(a,h)anthracene	ND	83	330
Dibenzofuran	ND	68	330
Diethylphthalate	ND	74	330
Dimethylphthalate	ND	69	330

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
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Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3550B

EPA 8270C

RunID: MS6_090428A	QC Batch: 54950	PrepDate: 4/23/2009	Analyst: DMP
Fluoranthene	ND	73	330
Fluorene	ND	69	330
Hexachlorobenzene	ND	76	330
Hexachlorobutadiene	ND	77	660
Hexachlorocyclopentadiene	ND	80	660
Hexachloroethane	ND	81	330
Indeno(1,2,3-cd)pyrene	ND	69	330
Isophorone	ND	85	330
N-Nitrosodi-n-propylamine	ND	82	330
N-Nitrosodiphenylamine	ND	79	330
Naphthalene	ND	86	330
Nitrobenzene	ND	82	330
Pentachlorophenol	ND	55	1600
Phenanthrene	ND	76	330
Phenol	ND	95	330
Pyrene	ND	77	330
Surr: 1,2-Dichlorobenzene-d4	74.5	0	49-103
Surr: 2,4,6-Tribromophenol	93.0	0	47-129
Surr: 2-Chlorophenol-d4	80.1	0	54-109
Surr: 2-Fluorobiphenyl	88.9	0	59-108
Surr: 2-Fluorophenol	81.8	0	50-111
Surr: 4-Terphenyl-d14	105	0	58-135
Surr: Nitrobenzene-d5	84.3	0	54-115
Surr: Phenol-d5	86.0	0	58-112

PH

EPA 9045C

RunID: WETCHEM_090423B	QC Batch: R108436	PrepDate:	Analyst: DDL
pH	7.8	0.10	0.10

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
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Client Sample ID: 1001-106-20-S
Collection Date: 4/21/2009 10:05:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS5_090422B	QC Batch: T09VS105	PrepDate: 4/22/2009	Analyst: HH
1,1,1,2-Tetrachloroethane	ND 2.1	6.1	µg/Kg 1 4/22/2009 07:58 PM
1,1,1-Trichloroethane	ND 0.79	6.1	µg/Kg 1 4/22/2009 07:58 PM
1,1,2,2-Tetrachloroethane	ND 1.9	6.1	µg/Kg 1 4/22/2009 07:58 PM
1,1,2-Trichloroethane	ND 2.0	6.1	µg/Kg 1 4/22/2009 07:58 PM
1,1-Dichloroethane	ND 0.62	6.1	µg/Kg 1 4/22/2009 07:58 PM
1,1-Dichloroethene	ND 1.6	6.1	µg/Kg 1 4/22/2009 07:58 PM
1,1-Dichloropropene	ND 1.9	6.1	µg/Kg 1 4/22/2009 07:58 PM
1,2,3-Trichlorobenzene	ND 1.3	6.1	µg/Kg 1 4/22/2009 07:58 PM
1,2,3-Trichloropropane	ND 0.92	6.1	µg/Kg 1 4/22/2009 07:58 PM
1,2,4-Trichlorobenzene	ND 1.6	6.1	µg/Kg 1 4/22/2009 07:58 PM
1,2,4-Trimethylbenzene	ND 1.1	6.1	µg/Kg 1 4/22/2009 07:58 PM
1,2-Dibromo-3-chloropropane	ND 2.4	12	µg/Kg 1 4/22/2009 07:58 PM
1,2-Dibromoethane	ND 1.8	6.1	µg/Kg 1 4/22/2009 07:58 PM
1,2-Dichlorobenzene	ND 1.0	6.1	µg/Kg 1 4/22/2009 07:58 PM
1,2-Dichloroethane	ND 1.4	6.1	µg/Kg 1 4/22/2009 07:58 PM
1,2-Dichloropropane	ND 1.9	6.1	µg/Kg 1 4/22/2009 07:58 PM
1,3,5-Trimethylbenzene	ND 1.2	6.1	µg/Kg 1 4/22/2009 07:58 PM
1,3-Dichlorobenzene	ND 1.2	6.1	µg/Kg 1 4/22/2009 07:58 PM
1,3-Dichloropropane	ND 1.3	6.1	µg/Kg 1 4/22/2009 07:58 PM
1,4-Dichlorobenzene	ND 1.5	6.1	µg/Kg 1 4/22/2009 07:58 PM
2,2-Dichloropropane	ND 1.1	6.1	µg/Kg 1 4/22/2009 07:58 PM
2-Chlorotoluene	ND 0.81	6.1	µg/Kg 1 4/22/2009 07:58 PM
4-Chlorotoluene	ND 0.83	6.1	µg/Kg 1 4/22/2009 07:58 PM
4-Isopropyltoluene	ND 0.70	6.1	µg/Kg 1 4/22/2009 07:58 PM
Benzene	ND 1.0	6.1	µg/Kg 1 4/22/2009 07:58 PM
Bromobenzene	ND 1.9	6.1	µg/Kg 1 4/22/2009 07:58 PM
Bromodichloromethane	ND 1.0	6.1	µg/Kg 1 4/22/2009 07:58 PM
Bromoform	ND 1.5	6.1	µg/Kg 1 4/22/2009 07:58 PM
Bromomethane	ND 1.1	6.1	µg/Kg 1 4/22/2009 07:58 PM
Carbon tetrachloride	ND 1.6	6.1	µg/Kg 1 4/22/2009 07:58 PM
Chlorobenzene	ND 1.1	6.1	µg/Kg 1 4/22/2009 07:58 PM
Chloroethane	ND 1.6	6.1	µg/Kg 1 4/22/2009 07:58 PM
Chloroform	ND 0.76	6.1	µg/Kg 1 4/22/2009 07:58 PM
Chloromethane	ND 1.0	6.1	µg/Kg 1 4/22/2009 07:58 PM
cis-1,2-Dichloroethene	ND 1.5	6.1	µg/Kg 1 4/22/2009 07:58 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105148
Project: 207126015
Lab ID: 105148-018B

Client Sample ID: 1001-106-20-S
Collection Date: 4/21/2009 10:05:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS5_090422B	QC Batch: T09VS105	PrepDate: 4/22/2009	Analyst: HH
cis-1,3-Dichloropropene	ND 1.6	6.1	µg/Kg 1 4/22/2009 07:58 PM
Dibromochloromethane	ND 0.83	6.1	µg/Kg 1 4/22/2009 07:58 PM
Dibromomethane	ND 2.1	6.1	µg/Kg 1 4/22/2009 07:58 PM
Dichlorodifluoromethane	ND 0.73	6.1	µg/Kg 1 4/22/2009 07:58 PM
Ethylbenzene	ND 1.1	6.1	µg/Kg 1 4/22/2009 07:58 PM
Hexachlorobutadiene	ND 4.1	6.1	µg/Kg 1 4/22/2009 07:58 PM
Isopropylbenzene	ND 1.5	6.1	µg/Kg 1 4/22/2009 07:58 PM
m,p-Xylene	ND 2.1	12	µg/Kg 1 4/22/2009 07:58 PM
Methylene chloride	ND 6.1	6.1	µg/Kg 1 4/22/2009 07:58 PM
n-Butylbenzene	ND 1.3	6.1	µg/Kg 1 4/22/2009 07:58 PM
n-Propylbenzene	ND 1.1	6.1	µg/Kg 1 4/22/2009 07:58 PM
Naphthalene	ND 2.0	6.1	µg/Kg 1 4/22/2009 07:58 PM
o-Xylene	ND 1.3	6.1	µg/Kg 1 4/22/2009 07:58 PM
sec-Butylbenzene	ND 1.0	6.1	µg/Kg 1 4/22/2009 07:58 PM
Styrene	ND 1.1	6.1	µg/Kg 1 4/22/2009 07:58 PM
tert-Butylbenzene	ND 0.74	6.1	µg/Kg 1 4/22/2009 07:58 PM
Tetrachloroethene	ND 1.3	6.1	µg/Kg 1 4/22/2009 07:58 PM
Toluene	ND 1.0	6.1	µg/Kg 1 4/22/2009 07:58 PM
trans-1,2-Dichloroethene	ND 1.2	6.1	µg/Kg 1 4/22/2009 07:58 PM
Trichloroethene	ND 2.4	6.1	µg/Kg 1 4/22/2009 07:58 PM
Trichlorofluoromethane	ND 1.4	6.1	µg/Kg 1 4/22/2009 07:58 PM
Vinyl chloride	ND 0.72	6.1	µg/Kg 1 4/22/2009 07:58 PM
Surr: 1,2-Dichloroethane-d4	118 0	68-147	%REC 1 4/22/2009 07:58 PM
Surr: 4-Bromofluorobenzene	104 0	67-127	%REC 1 4/22/2009 07:58 PM
Surr: Dibromofluoromethane	113 0	72-141	%REC 1 4/22/2009 07:58 PM
Surr: Toluene-d8	113 0	75-120	%REC 1 4/22/2009 07:58 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
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ANALYTICAL RESULTS

Print Date: 01-May-09

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Lab Order: 105148
Project: 207126015
Lab ID: 105148-018E

Client Sample ID: 1001-106-20-S
Collection Date: 4/21/2009 10:05:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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GASOLINE RANGE ORGANICS BY GC/FID

EPA 8015B(M)

RunID: GC2_090422B	QC Batch: E09VS108	PrepDate: 4/21/2009	Analyst: KHN		
GRO	ND 0.18	1.2	mg/Kg	1	4/22/2009 07:29 PM
Surr: Bromofluorobenzene (FID)	112 0	59-145	%REC	1	4/22/2009 07:29 PM

HYDROCARBON CHAIN IDENTIFICATION

EPA 8015B

RunID: GC2_090422B	QC Batch: E09VS108	PrepDate: 4/21/2009	Analyst: KHN		
T/R Hydrocarbons: C4-C12	ND 0.24	1.2	mg/Kg	1	4/22/2009 07:29 PM
Surr: Bromofluorobenzene (FID)	112 0	59-145	%REC	1	4/22/2009 07:29 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
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Collection Date: 4/21/2009 10:05:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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ICP METALS

EPA 3050B

EPA 6010B

RunID:	ICP8_090427H	QC Batch:	54945	PrepDate:	4/23/2009	Analyst:	CL
Antimony	ND	0.28	2.0	mg/Kg	1	4/27/2009 05:18 PM	
Arsenic	ND	0.27	1.0	mg/Kg	1	4/27/2009 05:18 PM	
Barium	160	0.13	1.0	mg/Kg	1	4/27/2009 05:18 PM	
Beryllium	ND	0.055	1.0	mg/Kg	1	4/27/2009 05:18 PM	
Cadmium	ND	0.0064	1.0	mg/Kg	1	4/27/2009 05:18 PM	
Chromium	22	0.088	1.0	mg/Kg	1	4/27/2009 05:18 PM	
Cobalt	8.9	0.014	1.0	mg/Kg	1	4/27/2009 05:18 PM	
Copper	24	0.26	2.0	mg/Kg	1	4/27/2009 05:18 PM	
Lead	ND	0.11	1.0	mg/Kg	1	4/27/2009 05:18 PM	
Molybdenum	ND	0.043	1.0	mg/Kg	1	4/27/2009 05:18 PM	
Nickel	15	0.032	1.0	mg/Kg	1	4/27/2009 05:18 PM	
Selenium	ND	0.43	1.0	mg/Kg	1	4/27/2009 05:18 PM	
Silver	ND	0.017	1.0	mg/Kg	1	4/27/2009 05:18 PM	
Thallium	ND	0.23	1.0	mg/Kg	1	4/27/2009 05:18 PM	
Vanadium	58	0.019	1.0	mg/Kg	1	4/27/2009 05:18 PM	
Zinc	53	0.19	1.0	mg/Kg	1	4/27/2009 05:18 PM	

HEXAVALENT CHROMIUM

EPA 7196A

RunID:	WETCHEM3_090427B	QC Batch:	55024	PrepDate:	4/27/2009	Analyst:	CBB
Chromium, Hexavalent	ND	0.074	0.10	mg/Kg	1	4/27/2009	

DIESEL RANGE ORGANICS BY GC/FID LUFT

EPA 8015B(M)

RunID:	GC16_090423D	QC Batch:	54921	PrepDate:	4/22/2009	Analyst:	CBR
DRO	ND	10	10	mg/Kg	1	4/27/2009 11:04 AM	
Surr: p-Terphenyl	121	0	57-144	%REC	1	4/27/2009 11:04 AM	

HYDROCARBON CHAIN IDENTIFICATION LUFT

EPA 8015B(M)

RunID:	GC16_090423D	QC Batch:	54921	PrepDate:	4/22/2009	Analyst:	CBR
T/R Hydrocarbons: C13-C22	ND	10	10	mg/Kg	1	4/27/2009 11:04 AM	
T/R Hydrocarbons: C23-C32	ND	10	10	mg/Kg	1	4/27/2009 11:04 AM	
T/R Hydrocarbons:>C32	ND	10	10	mg/Kg	1	4/27/2009 11:04 AM	
Surr: p-Terphenyl	121	0	57-144	%REC	1	4/27/2009 11:04 AM	

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105148
Project: 207126015
Lab ID: 105148-019A

Client Sample ID: 1001-106-20D-S
Collection Date: 4/21/2009 10:05:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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PCBS BY GC/ECD

EPA 3550B

EPA 8082

RunID: GC5_090423A	QC Batch: 54966	PrepDate: 4/23/2009	Analyst: BB			
Aroclor 1016	ND	5.0	16	µg/Kg	1	4/24/2009 12:42 AM
Aroclor 1221	ND	5.0	33	µg/Kg	1	4/24/2009 12:42 AM
Aroclor 1232	ND	5.0	16	µg/Kg	1	4/24/2009 12:42 AM
Aroclor 1242	ND	5.0	16	µg/Kg	1	4/24/2009 12:42 AM
Aroclor 1248	ND	5.0	16	µg/Kg	1	4/24/2009 12:42 AM
Aroclor 1254	ND	5.0	16	µg/Kg	1	4/24/2009 12:42 AM
Aroclor 1260	ND	5.0	16	µg/Kg	1	4/24/2009 12:42 AM
Aroclor 1262	ND	5.0	16	µg/Kg	1	4/24/2009 12:42 AM
Aroclor 1268	ND	5.0	16	µg/Kg	1	4/24/2009 12:42 AM
Surr: Decachlorobiphenyl	69.6	0	30-124	%REC	1	4/24/2009 12:42 AM
Surr: Tetrachloro-m-xylene	90.2	0	40-118	%REC	1	4/24/2009 12:42 AM

MERCURY BY COLD VAPOR TECHNIQUE

EPA 7471A

RunID: AA5_090423C	QC Batch: 54934	PrepDate: 4/23/2009	Analyst: RQ			
Mercury	ND	0.021	0.10	mg/Kg	1	4/23/2009 01:05 PM

SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3550B

EPA 8270C

RunID: MS6_090428A	QC Batch: 54950	PrepDate: 4/23/2009	Analyst: DMP			
1,2,4-Trichlorobenzene	ND	82	330	µg/Kg	1	4/28/2009 11:39 AM
1,2-Dichlorobenzene	ND	85	330	µg/Kg	1	4/28/2009 11:39 AM
1,3-Dichlorobenzene	ND	74	330	µg/Kg	1	4/28/2009 11:39 AM
1,4-Dichlorobenzene	ND	78	330	µg/Kg	1	4/28/2009 11:39 AM
2,4,5-Trichlorophenol	ND	56	330	µg/Kg	1	4/28/2009 11:39 AM
2,4,6-Trichlorophenol	ND	78	330	µg/Kg	1	4/28/2009 11:39 AM
2,4-Dichlorophenol	ND	87	1600	µg/Kg	1	4/28/2009 11:39 AM
2,4-Dimethylphenol	ND	88	330	µg/Kg	1	4/28/2009 11:39 AM
2,4-Dinitrophenol	ND	45	1600	µg/Kg	1	4/28/2009 11:39 AM
2,4-Dinitrotoluene	ND	67	330	µg/Kg	1	4/28/2009 11:39 AM
2,6-Dinitrotoluene	ND	67	330	µg/Kg	1	4/28/2009 11:39 AM
2-Chloronaphthalene	ND	70	330	µg/Kg	1	4/28/2009 11:39 AM
2-Chlorophenol	ND	89	330	µg/Kg	1	4/28/2009 11:39 AM
2-Methylnaphthalene	ND	78	330	µg/Kg	1	4/28/2009 11:39 AM
2-Methylphenol	ND	96	330	µg/Kg	1	4/28/2009 11:39 AM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit	
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified	
DO	Surrogate Diluted Out			



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105148
Project: 207126015
Lab ID: 105148-019A

Client Sample ID: 1001-106-20D-S
Collection Date: 4/21/2009 10:05:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3550B

EPA 8270C

RunID: MS6_090428A	QC Batch: 54950	PrepDate: 4/23/2009	Analyst: DMP
2-Nitroaniline	ND	79	1600
2-Nitrophenol	ND	70	330
3,3'-Dichlorobenzidine	ND	78	660
3-Nitroaniline	ND	60	1600
4,6-Dinitro-2-methylphenol	ND	63	1600
4-Bromophenyl-phenylether	ND	73	330
4-Chloro-3-methylphenol	ND	75	660
4-Chloroaniline	ND	73	660
4-Chlorophenyl-phenylether	ND	70	330
4-Methylphenol	ND	79	330
4-Nitroaniline	ND	60	1600
4-Nitrophenol	ND	71	1600
Acenaphthene	ND	70	330
Acenaphthylene	ND	69	330
Anthracene	ND	76	330
Benzidine (M)	ND	71	1600
Benzo(a)anthracene	ND	69	330
Benzo(a)pyrene	ND	82	330
Benzo(b)fluoranthene	ND	70	330
Benzo(g,h,i)perylene	ND	71	330
Benzo(k)fluoranthene	ND	98	330
Benzoic acid	ND	64	1600
Benzyl alcohol	ND	86	660
Bis(2-chloroethoxy)methane	ND	79	330
Bis(2-chloroethyl)ether	ND	81	330
Bis(2-chloroisopropyl)ether	ND	91	330
Bis(2-ethylhexyl)phthalate	ND	72	330
Butylbenzylphthalate	ND	72	330
Chrysene	ND	79	330
Di-n-butylphthalate	ND	78	330
Di-n-octylphthalate	ND	71	330
Dibenz(a,h)anthracene	ND	83	330
Dibenzofuran	ND	68	330
Diethylphthalate	ND	74	330
Dimethylphthalate	ND	69	330

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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Client Sample ID: 1001-106-20D-S
Collection Date: 4/21/2009 10:05:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3550B

EPA 8270C

RunID: MS6_090428A	QC Batch: 54950	PrepDate: 4/23/2009	Analyst: DMP
Fluoranthene	ND	73	330
Fluorene	ND	69	330
Hexachlorobenzene	ND	76	330
Hexachlorobutadiene	ND	77	660
Hexachlorocyclopentadiene	ND	80	660
Hexachloroethane	ND	81	330
Indeno(1,2,3-cd)pyrene	ND	69	330
Isophorone	ND	85	330
N-Nitrosodi-n-propylamine	ND	82	330
N-Nitrosodiphenylamine	ND	79	330
Naphthalene	ND	86	330
Nitrobenzene	ND	82	330
Pentachlorophenol	ND	55	1600
Phenanthrene	ND	76	330
Phenol	ND	95	330
Pyrene	ND	77	330
Surr: 1,2-Dichlorobenzene-d4	82.0	0	49-103
Surr: 2,4,6-Tribromophenol	86.0	0	47-129
Surr: 2-Chlorophenol-d4	86.4	0	54-109
Surr: 2-Fluorobiphenyl	90.7	0	59-108
Surr: 2-Fluorophenol	87.2	0	50-111
Surr: 4-Terphenyl-d14	105	0	58-135
Surr: Nitrobenzene-d5	90.6	0	54-115
Surr: Phenol-d5	90.2	0	58-112

PH

EPA 9045C

RunID: WETCHEM_090423B	QC Batch: R108436	PrepDate:	Analyst: DDL
pH	7.3	0.10	0.10

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105148
Project: 207126015
Lab ID: 105148-019B

Client Sample ID: 1001-106-20D-S
Collection Date: 4/21/2009 10:05:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS5_090422B	QC Batch: T09VS105	PrepDate: 4/22/2009	Analyst: HH
1,1,1,2-Tetrachloroethane	ND 2.0	5.8	µg/Kg 1 4/22/2009 08:18 PM
1,1,1-Trichloroethane	ND 0.74	5.8	µg/Kg 1 4/22/2009 08:18 PM
1,1,2,2-Tetrachloroethane	ND 1.8	5.8	µg/Kg 1 4/22/2009 08:18 PM
1,1,2-Trichloroethane	ND 1.9	5.8	µg/Kg 1 4/22/2009 08:18 PM
1,1-Dichloroethane	ND 0.58	5.8	µg/Kg 1 4/22/2009 08:18 PM
1,1-Dichloroethene	ND 1.5	5.8	µg/Kg 1 4/22/2009 08:18 PM
1,1-Dichloropropene	ND 1.8	5.8	µg/Kg 1 4/22/2009 08:18 PM
1,2,3-Trichlorobenzene	ND 1.2	5.8	µg/Kg 1 4/22/2009 08:18 PM
1,2,3-Trichloropropane	ND 0.86	5.8	µg/Kg 1 4/22/2009 08:18 PM
1,2,4-Trichlorobenzene	ND 1.5	5.8	µg/Kg 1 4/22/2009 08:18 PM
1,2,4-Trimethylbenzene	ND 0.99	5.8	µg/Kg 1 4/22/2009 08:18 PM
1,2-Dibromo-3-chloropropane	ND 2.2	12	µg/Kg 1 4/22/2009 08:18 PM
1,2-Dibromoethane	ND 1.7	5.8	µg/Kg 1 4/22/2009 08:18 PM
1,2-Dichlorobenzene	ND 0.96	5.8	µg/Kg 1 4/22/2009 08:18 PM
1,2-Dichloroethane	ND 1.3	5.8	µg/Kg 1 4/22/2009 08:18 PM
1,2-Dichloropropane	ND 1.8	5.8	µg/Kg 1 4/22/2009 08:18 PM
1,3,5-Trimethylbenzene	ND 1.2	5.8	µg/Kg 1 4/22/2009 08:18 PM
1,3-Dichlorobenzene	ND 1.2	5.8	µg/Kg 1 4/22/2009 08:18 PM
1,3-Dichloropropane	ND 1.2	5.8	µg/Kg 1 4/22/2009 08:18 PM
1,4-Dichlorobenzene	ND 1.4	5.8	µg/Kg 1 4/22/2009 08:18 PM
2,2-Dichloropropane	ND 1.0	5.8	µg/Kg 1 4/22/2009 08:18 PM
2-Chlorotoluene	ND 0.76	5.8	µg/Kg 1 4/22/2009 08:18 PM
4-Chlorotoluene	ND 0.78	5.8	µg/Kg 1 4/22/2009 08:18 PM
4-Isopropyltoluene	ND 0.66	5.8	µg/Kg 1 4/22/2009 08:18 PM
Benzene	ND 0.95	5.8	µg/Kg 1 4/22/2009 08:18 PM
Bromobenzene	ND 1.8	5.8	µg/Kg 1 4/22/2009 08:18 PM
Bromodichloromethane	ND 0.98	5.8	µg/Kg 1 4/22/2009 08:18 PM
Bromoform	ND 1.4	5.8	µg/Kg 1 4/22/2009 08:18 PM
Bromomethane	ND 1.0	5.8	µg/Kg 1 4/22/2009 08:18 PM
Carbon tetrachloride	ND 1.5	5.8	µg/Kg 1 4/22/2009 08:18 PM
Chlorobenzene	ND 1.0	5.8	µg/Kg 1 4/22/2009 08:18 PM
Chloroethane	ND 1.5	5.8	µg/Kg 1 4/22/2009 08:18 PM
Chloroform	ND 0.71	5.8	µg/Kg 1 4/22/2009 08:18 PM
Chloromethane	ND 0.94	5.8	µg/Kg 1 4/22/2009 08:18 PM
cis-1,2-Dichloroethene	ND 1.4	5.8	µg/Kg 1 4/22/2009 08:18 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105148
Project: 207126015
Lab ID: 105148-019B

Client Sample ID: 1001-106-20D-S
Collection Date: 4/21/2009 10:05:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS5_090422B	QC Batch: T09VS105	PrepDate: 4/22/2009	Analyst: HH
cis-1,3-Dichloropropene	ND 1.5	5.8	µg/Kg 1 4/22/2009 08:18 PM
Dibromochloromethane	ND 0.78	5.8	µg/Kg 1 4/22/2009 08:18 PM
Dibromomethane	ND 1.9	5.8	µg/Kg 1 4/22/2009 08:18 PM
Dichlorodifluoromethane	ND 0.69	5.8	µg/Kg 1 4/22/2009 08:18 PM
Ethylbenzene	ND 1.0	5.8	µg/Kg 1 4/22/2009 08:18 PM
Hexachlorobutadiene	ND 3.9	5.8	µg/Kg 1 4/22/2009 08:18 PM
Isopropylbenzene	ND 1.4	5.8	µg/Kg 1 4/22/2009 08:18 PM
m,p-Xylene	ND 1.9	12	µg/Kg 1 4/22/2009 08:18 PM
Methylene chloride	ND 5.8	5.8	µg/Kg 1 4/22/2009 08:18 PM
n-Butylbenzene	ND 1.2	5.8	µg/Kg 1 4/22/2009 08:18 PM
n-Propylbenzene	ND 1.0	5.8	µg/Kg 1 4/22/2009 08:18 PM
Naphthalene	ND 1.9	5.8	µg/Kg 1 4/22/2009 08:18 PM
o-Xylene	ND 1.2	5.8	µg/Kg 1 4/22/2009 08:18 PM
sec-Butylbenzene	ND 0.98	5.8	µg/Kg 1 4/22/2009 08:18 PM
Styrene	ND 1.0	5.8	µg/Kg 1 4/22/2009 08:18 PM
tert-Butylbenzene	ND 0.70	5.8	µg/Kg 1 4/22/2009 08:18 PM
Tetrachloroethene	ND 1.2	5.8	µg/Kg 1 4/22/2009 08:18 PM
Toluene	ND 0.96	5.8	µg/Kg 1 4/22/2009 08:18 PM
trans-1,2-Dichloroethene	ND 1.1	5.8	µg/Kg 1 4/22/2009 08:18 PM
Trichloroethene	ND 2.3	5.8	µg/Kg 1 4/22/2009 08:18 PM
Trichlorofluoromethane	ND 1.3	5.8	µg/Kg 1 4/22/2009 08:18 PM
Vinyl chloride	ND 0.68	5.8	µg/Kg 1 4/22/2009 08:18 PM
Surr: 1,2-Dichloroethane-d4	114 0	68-147	%REC 1 4/22/2009 08:18 PM
Surr: 4-Bromofluorobenzene	102 0	67-127	%REC 1 4/22/2009 08:18 PM
Surr: Dibromofluoromethane	115 0	72-141	%REC 1 4/22/2009 08:18 PM
Surr: Toluene-d8	115 0	75-120	%REC 1 4/22/2009 08:18 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105148
Project: 207126015
Lab ID: 105148-019E

Client Sample ID: 1001-106-20D-S
Collection Date: 4/21/2009 10:05:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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GASOLINE RANGE ORGANICS BY GC/FID

EPA 8015B(M)

RunID: GC2_090422B	QC Batch: E09VS108	PrepDate: 4/21/2009	Analyst: KHN			
GRO	ND	0.12	0.84	mg/Kg	1	4/22/2009 07:45 PM
Surr: Bromofluorobenzene (FID)	119	0	59-145	%REC	1	4/22/2009 07:45 PM

HYDROCARBON CHAIN IDENTIFICATION

EPA 8015B

RunID: GC2_090422B	QC Batch: E09VS108	PrepDate: 4/21/2009	Analyst: KHN			
T/R Hydrocarbons: C4-C12	ND	0.16	0.84	mg/Kg	1	4/22/2009 07:45 PM
Surr: Bromofluorobenzene (FID)	119	0	59-145	%REC	1	4/22/2009 07:45 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105148
Project: 207126015
Lab ID: 105148-020A

Client Sample ID: 1001-107-2-S
Collection Date: 4/21/2009 10:15:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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ICP METALS

EPA 3050B

EPA 6010B

RunID:	ICP8_090427H	QC Batch:	54945	PrepDate:	4/23/2009	Analyst:	CL
Antimony	ND	0.28	2.0	mg/Kg	1	4/27/2009 05:21 PM	
Arsenic	ND	0.27	1.0	mg/Kg	1	4/27/2009 05:21 PM	
Barium	200	0.13	1.0	mg/Kg	1	4/27/2009 05:21 PM	
Beryllium	ND	0.055	1.0	mg/Kg	1	4/27/2009 05:21 PM	
Cadmium	ND	0.0064	1.0	mg/Kg	1	4/27/2009 05:21 PM	
Chromium	54	0.088	1.0	mg/Kg	1	4/27/2009 05:21 PM	
Cobalt	14	0.014	1.0	mg/Kg	1	4/27/2009 05:21 PM	
Copper	30	0.26	2.0	mg/Kg	1	4/27/2009 05:21 PM	
Lead	ND	0.11	1.0	mg/Kg	1	4/27/2009 05:21 PM	
Molybdenum	13	0.043	1.0	mg/Kg	1	4/27/2009 05:21 PM	
Nickel	22	0.032	1.0	mg/Kg	1	4/27/2009 05:21 PM	
Selenium	ND	0.43	1.0	mg/Kg	1	4/27/2009 05:21 PM	
Silver	ND	0.017	1.0	mg/Kg	1	4/27/2009 05:21 PM	
Thallium	ND	0.23	1.0	mg/Kg	1	4/27/2009 05:21 PM	
Vanadium	64	0.019	1.0	mg/Kg	1	4/27/2009 05:21 PM	
Zinc	62	0.19	1.0	mg/Kg	1	4/27/2009 05:21 PM	

HEXAVALENT CHROMIUM

EPA 7196A

RunID:	WETCHEM3_090427B	QC Batch:	55024	PrepDate:	4/27/2009	Analyst:	CBB
Chromium, Hexavalent	0.12	0.074	0.10	mg/Kg	1	4/27/2009	

DIESEL RANGE ORGANICS BY GC/FID LUFT

EPA 8015B(M)

RunID:	GC16_090423B	QC Batch:	54917	PrepDate:	4/23/2009	Analyst:	CBR
DRO	12	10	10	mg/Kg	1	4/23/2009 07:28 PM	
Surr: p-Terphenyl	101	0	57-144	%REC	1	4/23/2009 07:28 PM	

HYDROCARBON CHAIN IDENTIFICATION LUFT

EPA 8015B(M)

RunID:	GC16_090423B	QC Batch:	54917	PrepDate:	4/23/2009	Analyst:	CBR
T/R Hydrocarbons: C13-C22	ND	10	10	mg/Kg	1	4/23/2009 07:28 PM	
T/R Hydrocarbons: C23-C32	ND	10	10	mg/Kg	1	4/23/2009 07:28 PM	
T/R Hydrocarbons: >C32	ND	10	10	mg/Kg	1	4/23/2009 07:28 PM	
Surr: p-Terphenyl	101	0	57-144	%REC	1	4/23/2009 07:28 PM	

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105148
Project: 207126015
Lab ID: 105148-020A

Client Sample ID: 1001-107-2-S
Collection Date: 4/21/2009 10:15:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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PCBS BY GC/ECD

EPA 3550B		EPA 8082	
RunID: GC5_090423A	QC Batch: 54966	PrepDate: 4/23/2009	Analyst: BB
Aroclor 1016	ND 5.0	16	µg/Kg 1 4/24/2009 01:12 AM
Aroclor 1221	ND 5.0	33	µg/Kg 1 4/24/2009 01:12 AM
Aroclor 1232	ND 5.0	16	µg/Kg 1 4/24/2009 01:12 AM
Aroclor 1242	ND 5.0	16	µg/Kg 1 4/24/2009 01:12 AM
Aroclor 1248	ND 5.0	16	µg/Kg 1 4/24/2009 01:12 AM
Aroclor 1254	ND 5.0	16	µg/Kg 1 4/24/2009 01:12 AM
Aroclor 1260	ND 5.0	16	µg/Kg 1 4/24/2009 01:12 AM
Aroclor 1262	ND 5.0	16	µg/Kg 1 4/24/2009 01:12 AM
Aroclor 1268	ND 5.0	16	µg/Kg 1 4/24/2009 01:12 AM
Surr: Decachlorobiphenyl	38.6 0	30-124	%REC 1 4/24/2009 01:12 AM
Surr: Tetrachloro-m-xylene	51.7 0	40-118	%REC 1 4/24/2009 01:12 AM

MERCURY BY COLD VAPOR TECHNIQUE

EPA 7471A	
RunID: AA5_090423C	QC Batch: 54934
PrepDate: 4/23/2009	Analyst: RQ
Mercury	ND 0.021 0.10 mg/Kg 1 4/23/2009 12:41 PM

SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3550B		EPA 8270C	
RunID: MS6_090428A	QC Batch: 54950	PrepDate: 4/23/2009	Analyst: DMP
1,2,4-Trichlorobenzene	ND 82	330	µg/Kg 1 4/28/2009 12:36 PM
1,2-Dichlorobenzene	ND 85	330	µg/Kg 1 4/28/2009 12:36 PM
1,3-Dichlorobenzene	ND 74	330	µg/Kg 1 4/28/2009 12:36 PM
1,4-Dichlorobenzene	ND 78	330	µg/Kg 1 4/28/2009 12:36 PM
2,4,5-Trichlorophenol	ND 56	330	µg/Kg 1 4/28/2009 12:36 PM
2,4,6-Trichlorophenol	ND 78	330	µg/Kg 1 4/28/2009 12:36 PM
2,4-Dichlorophenol	ND 87	1600	µg/Kg 1 4/28/2009 12:36 PM
2,4-Dimethylphenol	ND 88	330	µg/Kg 1 4/28/2009 12:36 PM
2,4-Dinitrophenol	ND 45	1600	µg/Kg 1 4/28/2009 12:36 PM
2,4-Dinitrotoluene	ND 67	330	µg/Kg 1 4/28/2009 12:36 PM
2,6-Dinitrotoluene	ND 67	330	µg/Kg 1 4/28/2009 12:36 PM
2-Chloronaphthalene	ND 70	330	µg/Kg 1 4/28/2009 12:36 PM
2-Chlorophenol	ND 89	330	µg/Kg 1 4/28/2009 12:36 PM
2-Methylnaphthalene	ND 78	330	µg/Kg 1 4/28/2009 12:36 PM
2-Methylphenol	ND 96	330	µg/Kg 1 4/28/2009 12:36 PM

Qualifiers: B Analyte detected in the associated Method Blank E Value above quantitation range
H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit
S Spike/Surrogate outside of limits due to matrix interference Results are wet unless otherwise specified
DO Surrogate Diluted Out



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105148
Project: 207126015
Lab ID: 105148-020A

Client Sample ID: 1001-107-2-S
Collection Date: 4/21/2009 10:15:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3550B

EPA 8270C

RunID: MS6_090428A	QC Batch: 54950	PrepDate: 4/23/2009	Analyst: DMP
2-Nitroaniline	ND	79	1600
2-Nitrophenol	ND	70	330
3,3'-Dichlorobenzidine	ND	78	660
3-Nitroaniline	ND	60	1600
4,6-Dinitro-2-methylphenol	ND	63	1600
4-Bromophenyl-phenylether	ND	73	330
4-Chloro-3-methylphenol	ND	75	660
4-Chloroaniline	ND	73	660
4-Chlorophenyl-phenylether	ND	70	330
4-Methylphenol	ND	79	330
4-Nitroaniline	ND	60	1600
4-Nitrophenol	ND	71	1600
Acenaphthene	ND	70	330
Acenaphthylene	ND	69	330
Anthracene	ND	76	330
Benzidine (M)	ND	71	1600
Benzo(a)anthracene	ND	69	330
Benzo(a)pyrene	ND	82	330
Benzo(b)fluoranthene	ND	70	330
Benzo(g,h,i)perylene	ND	71	330
Benzo(k)fluoranthene	ND	98	330
Benzoic acid	ND	64	1600
Benzyl alcohol	ND	86	660
Bis(2-chloroethoxy)methane	ND	79	330
Bis(2-chloroethyl)ether	ND	81	330
Bis(2-chloroisopropyl)ether	ND	91	330
Bis(2-ethylhexyl)phthalate	ND	72	330
Butylbenzylphthalate	ND	72	330
Chrysene	ND	79	330
Di-n-butylphthalate	ND	78	330
Di-n-octylphthalate	ND	71	330
Dibenz(a,h)anthracene	ND	83	330
Dibenzofuran	ND	68	330
Diethylphthalate	ND	74	330
Dimethylphthalate	ND	69	330

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
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ANALYTICAL RESULTS

Print Date: 01-May-09

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Lab Order: 105148
Project: 207126015
Lab ID: 105148-020A

Client Sample ID: 1001-107-2-S
Collection Date: 4/21/2009 10:15:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3550B

EPA 8270C

RunID: MS6_090428A	QC Batch: 54950	PrepDate: 4/23/2009	Analyst: DMP
Fluoranthene	ND	73	330
Fluorene	ND	69	330
Hexachlorobenzene	ND	76	330
Hexachlorobutadiene	ND	77	660
Hexachlorocyclopentadiene	ND	80	660
Hexachloroethane	ND	81	330
Indeno(1,2,3-cd)pyrene	ND	69	330
Isophorone	ND	85	330
N-Nitrosodi-n-propylamine	ND	82	330
N-Nitrosodiphenylamine	ND	79	330
Naphthalene	ND	86	330
Nitrobenzene	ND	82	330
Pentachlorophenol	ND	55	1600
Phenanthrene	ND	76	330
Phenol	ND	95	330
Pyrene	ND	77	330
Surr: 1,2-Dichlorobenzene-d4	75.2	0	49-103
Surr: 2,4,6-Tribromophenol	60.8	0	47-129
Surr: 2-Chlorophenol-d4	77.9	0	54-109
Surr: 2-Fluorobiphenyl	85.6	0	59-108
Surr: 2-Fluorophenol	79.5	0	50-111
Surr: 4-Terphenyl-d14	102	0	58-135
Surr: Nitrobenzene-d5	85.0	0	54-115
Surr: Phenol-d5	82.2	0	58-112

PH

EPA 9045C

RunID: WETCHEM_090423B	QC Batch: R108436	PrepDate:	Analyst: DDL
pH	9.1	0.10	0.10

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
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ANALYTICAL RESULTS

Print Date: 01-May-09

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Lab Order: 105148
Project: 207126015
Lab ID: 105148-020B

Client Sample ID: 1001-107-2-S
Collection Date: 4/21/2009 10:15:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS5_090422B	QC Batch: T09VS105	PrepDate: 4/22/2009	Analyst: HH
1,1,1,2-Tetrachloroethane	ND 1.7	4.9	µg/Kg 1 4/22/2009 08:37 PM
1,1,1-Trichloroethane	ND 0.63	4.9	µg/Kg 1 4/22/2009 08:37 PM
1,1,2,2-Tetrachloroethane	ND 1.5	4.9	µg/Kg 1 4/22/2009 08:37 PM
1,1,2-Trichloroethane	ND 1.6	4.9	µg/Kg 1 4/22/2009 08:37 PM
1,1-Dichloroethane	ND 0.49	4.9	µg/Kg 1 4/22/2009 08:37 PM
1,1-Dichloroethene	ND 1.2	4.9	µg/Kg 1 4/22/2009 08:37 PM
1,1-Dichloropropene	ND 1.5	4.9	µg/Kg 1 4/22/2009 08:37 PM
1,2,3-Trichlorobenzene	ND 1.0	4.9	µg/Kg 1 4/22/2009 08:37 PM
1,2,3-Trichloropropane	ND 0.73	4.9	µg/Kg 1 4/22/2009 08:37 PM
1,2,4-Trichlorobenzene	ND 1.3	4.9	µg/Kg 1 4/22/2009 08:37 PM
1,2,4-Trimethylbenzene	ND 0.84	4.9	µg/Kg 1 4/22/2009 08:37 PM
1,2-Dibromo-3-chloropropane	ND 1.9	9.7	µg/Kg 1 4/22/2009 08:37 PM
1,2-Dibromoethane	ND 1.4	4.9	µg/Kg 1 4/22/2009 08:37 PM
1,2-Dichlorobenzene	ND 0.81	4.9	µg/Kg 1 4/22/2009 08:37 PM
1,2-Dichloroethane	ND 1.1	4.9	µg/Kg 1 4/22/2009 08:37 PM
1,2-Dichloropropane	ND 1.5	4.9	µg/Kg 1 4/22/2009 08:37 PM
1,3,5-Trimethylbenzene	ND 0.98	4.9	µg/Kg 1 4/22/2009 08:37 PM
1,3-Dichlorobenzene	ND 0.98	4.9	µg/Kg 1 4/22/2009 08:37 PM
1,3-Dichloropropane	ND 1.0	4.9	µg/Kg 1 4/22/2009 08:37 PM
1,4-Dichlorobenzene	ND 1.2	4.9	µg/Kg 1 4/22/2009 08:37 PM
2,2-Dichloropropane	ND 0.85	4.9	µg/Kg 1 4/22/2009 08:37 PM
2-Chlorotoluene	ND 0.64	4.9	µg/Kg 1 4/22/2009 08:37 PM
4-Chlorotoluene	ND 0.66	4.9	µg/Kg 1 4/22/2009 08:37 PM
4-Isopropyltoluene	ND 0.56	4.9	µg/Kg 1 4/22/2009 08:37 PM
Benzene	ND 0.80	4.9	µg/Kg 1 4/22/2009 08:37 PM
Bromobenzene	ND 1.5	4.9	µg/Kg 1 4/22/2009 08:37 PM
Bromodichloromethane	ND 0.83	4.9	µg/Kg 1 4/22/2009 08:37 PM
Bromoform	ND 1.2	4.9	µg/Kg 1 4/22/2009 08:37 PM
Bromomethane	ND 0.85	4.9	µg/Kg 1 4/22/2009 08:37 PM
Carbon tetrachloride	ND 1.3	4.9	µg/Kg 1 4/22/2009 08:37 PM
Chlorobenzene	ND 0.87	4.9	µg/Kg 1 4/22/2009 08:37 PM
Chloroethane	ND 1.3	4.9	µg/Kg 1 4/22/2009 08:37 PM
Chloroform	ND 0.60	4.9	µg/Kg 1 4/22/2009 08:37 PM
Chloromethane	ND 0.80	4.9	µg/Kg 1 4/22/2009 08:37 PM
cis-1,2-Dichloroethene	ND 1.2	4.9	µg/Kg 1 4/22/2009 08:37 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105148
Project: 207126015
Lab ID: 105148-020B

Client Sample ID: 1001-107-2-S
Collection Date: 4/21/2009 10:15:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS5_090422B	QC Batch: T09VS105	PrepDate: 4/22/2009	Analyst: HH
cis-1,3-Dichloropropene	ND 1.2	4.9	µg/Kg 1 4/22/2009 08:37 PM
Dibromochloromethane	ND 0.66	4.9	µg/Kg 1 4/22/2009 08:37 PM
Dibromomethane	ND 1.6	4.9	µg/Kg 1 4/22/2009 08:37 PM
Dichlorodifluoromethane	ND 0.59	4.9	µg/Kg 1 4/22/2009 08:37 PM
Ethylbenzene	ND 0.89	4.9	µg/Kg 1 4/22/2009 08:37 PM
Hexachlorobutadiene	ND 3.3	4.9	µg/Kg 1 4/22/2009 08:37 PM
Isopropylbenzene	ND 1.2	4.9	µg/Kg 1 4/22/2009 08:37 PM
m,p-Xylene	ND 1.6	9.7	µg/Kg 1 4/22/2009 08:37 PM
Methylene chloride	ND 4.9	4.9	µg/Kg 1 4/22/2009 08:37 PM
n-Butylbenzene	ND 1.0	4.9	µg/Kg 1 4/22/2009 08:37 PM
n-Propylbenzene	ND 0.88	4.9	µg/Kg 1 4/22/2009 08:37 PM
Naphthalene	ND 1.6	4.9	µg/Kg 1 4/22/2009 08:37 PM
o-Xylene	ND 1.0	4.9	µg/Kg 1 4/22/2009 08:37 PM
sec-Butylbenzene	ND 0.83	4.9	µg/Kg 1 4/22/2009 08:37 PM
Styrene	ND 0.87	4.9	µg/Kg 1 4/22/2009 08:37 PM
tert-Butylbenzene	ND 0.59	4.9	µg/Kg 1 4/22/2009 08:37 PM
Tetrachloroethene	ND 1.0	4.9	µg/Kg 1 4/22/2009 08:37 PM
Toluene	ND 0.81	4.9	µg/Kg 1 4/22/2009 08:37 PM
trans-1,2-Dichloroethene	ND 0.97	4.9	µg/Kg 1 4/22/2009 08:37 PM
Trichloroethene	ND 1.9	4.9	µg/Kg 1 4/22/2009 08:37 PM
Trichlorofluoromethane	ND 1.1	4.9	µg/Kg 1 4/22/2009 08:37 PM
Vinyl chloride	ND 0.57	4.9	µg/Kg 1 4/22/2009 08:37 PM
Surr: 1,2-Dichloroethane-d4	113 0	68-147	%REC 1 4/22/2009 08:37 PM
Surr: 4-Bromofluorobenzene	105 0	67-127	%REC 1 4/22/2009 08:37 PM
Surr: Dibromofluoromethane	114 0	72-141	%REC 1 4/22/2009 08:37 PM
Surr: Toluene-d8	118 0	75-120	%REC 1 4/22/2009 08:37 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105148
Project: 207126015
Lab ID: 105148-020E

Client Sample ID: 1001-107-2-S
Collection Date: 4/21/2009 10:15:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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GASOLINE RANGE ORGANICS BY GC/FID

EPA 8015B(M)

RunID: GC2_090422C	QC Batch: E09VS109	PrepDate: 4/21/2009	Analyst: KHN		
GRO	ND 0.19	1.2	mg/Kg	1	4/22/2009 10:35 PM
Surr: Bromofluorobenzene (FID)	108 0	59-145	%REC	1	4/22/2009 10:35 PM

HYDROCARBON CHAIN IDENTIFICATION

EPA 8015B

RunID: GC2_090422C	QC Batch: E09VS109	PrepDate: 4/21/2009	Analyst: KHN		
T/R Hydrocarbons: C4-C12	ND 0.24	1.2	mg/Kg	1	4/22/2009 10:35 PM
Surr: Bromofluorobenzene (FID)	108 0	59-145	%REC	1	4/22/2009 10:35 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105148
Project: 207126015
Lab ID: 105148-021A

Client Sample ID: 1001-107-5-S
Collection Date: 4/21/2009 10:25:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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ICP METALS

EPA 3050B

EPA 6010B

RunID:	ICP8_0904271	QC Batch:	54946	PrepDate:	4/23/2009	Analyst:	CL
Antimony	ND	0.28	2.0	mg/Kg	1	4/27/2009 06:40 PM	
Arsenic	ND	0.27	1.0	mg/Kg	1	4/27/2009 06:40 PM	
Barium	220	0.13	1.0	mg/Kg	1	4/27/2009 06:40 PM	
Beryllium	ND	0.055	1.0	mg/Kg	1	4/27/2009 06:40 PM	
Cadmium	ND	0.0064	1.0	mg/Kg	1	4/27/2009 06:40 PM	
Chromium	35	0.088	1.0	mg/Kg	1	4/27/2009 06:40 PM	
Cobalt	13	0.014	1.0	mg/Kg	1	4/27/2009 06:40 PM	
Copper	33	0.26	2.0	mg/Kg	1	4/27/2009 06:40 PM	
Lead	ND	0.11	1.0	mg/Kg	1	4/27/2009 06:40 PM	
Molybdenum	ND	0.043	1.0	mg/Kg	1	4/27/2009 06:40 PM	
Nickel	25	0.032	1.0	mg/Kg	1	4/27/2009 06:40 PM	
Selenium	ND	0.43	1.0	mg/Kg	1	4/27/2009 06:40 PM	
Silver	ND	0.017	1.0	mg/Kg	1	4/27/2009 06:40 PM	
Thallium	ND	0.23	1.0	mg/Kg	1	4/27/2009 06:40 PM	
Vanadium	75	0.019	1.0	mg/Kg	1	4/27/2009 06:40 PM	
Zinc	71	0.19	1.0	mg/Kg	1	4/27/2009 06:40 PM	

HEXAVALENT CHROMIUM

EPA 7196A

RunID:	WETCHEM3_090428A	QC Batch:	55025	PrepDate:	4/27/2009	Analyst:	MFP
Chromium, Hexavalent	0.10	0.074	0.10	mg/Kg	1	4/28/2009	

DIESEL RANGE ORGANICS BY GC/FID LUFT

EPA 8015B(M)

RunID:	GC16_090423B	QC Batch:	54917	PrepDate:	4/23/2009	Analyst:	CBR
DRO	ND	10	10	mg/Kg	1	4/23/2009 07:38 PM	
Surr: p-Terphenyl	95.6	0	57-144	%REC	1	4/23/2009 07:38 PM	

HYDROCARBON CHAIN IDENTIFICATION LUFT

EPA 8015B(M)

RunID:	GC16_090423B	QC Batch:	54917	PrepDate:	4/23/2009	Analyst:	CBR
T/R Hydrocarbons: C13-C22	ND	10	10	mg/Kg	1	4/23/2009 07:38 PM	
T/R Hydrocarbons: C23-C32	ND	10	10	mg/Kg	1	4/23/2009 07:38 PM	
T/R Hydrocarbons:>C32	ND	10	10	mg/Kg	1	4/23/2009 07:38 PM	
Surr: p-Terphenyl	95.6	0	57-144	%REC	1	4/23/2009 07:38 PM	

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
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Advanced Technology Laboratories**ANALYTICAL RESULTS**

Print Date: 01-May-09

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Lab Order: 105148
Project: 207126015
Lab ID: 105148-021A

Client Sample ID: 1001-107-5-S
Collection Date: 4/21/2009 10:25:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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PCBS BY GC/ECD**EPA 3550B****EPA 8082**

RunID: GC4_090423B	QC Batch: 54967			PrepDate: 4/23/2009	Analyst: BB
Aroclor 1016	ND	5.0	16	µg/Kg	1 4/24/2009 12:54 AM
Aroclor 1221	ND	5.0	33	µg/Kg	1 4/24/2009 12:54 AM
Aroclor 1232	ND	5.0	16	µg/Kg	1 4/24/2009 12:54 AM
Aroclor 1242	ND	5.0	16	µg/Kg	1 4/24/2009 12:54 AM
Aroclor 1248	ND	5.0	16	µg/Kg	1 4/24/2009 12:54 AM
Aroclor 1254	ND	5.0	16	µg/Kg	1 4/24/2009 12:54 AM
Aroclor 1260	ND	5.0	16	µg/Kg	1 4/24/2009 12:54 AM
Aroclor 1262	ND	5.0	16	µg/Kg	1 4/24/2009 12:54 AM
Aroclor 1268	ND	5.0	16	µg/Kg	1 4/24/2009 12:54 AM
Surr: Decachlorobiphenyl	95.6	0	30-124	%REC	1 4/24/2009 12:54 AM
Surr: Tetrachloro-m-xylene	114	0	40-118	%REC	1 4/24/2009 12:54 AM

MERCURY BY COLD VAPOR TECHNIQUE**EPA 7471A**

RunID: AA5_090423D	QC Batch: 54935			PrepDate: 4/23/2009	Analyst: RQ
Mercury	ND	0.021	0.10	mg/Kg	1 4/23/2009 01:29 PM

SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS**EPA 3550B****EPA 8270C**

RunID: MS 13_090424A	QC Batch: 54950			PrepDate: 4/23/2009	Analyst: DMP
1,2,4-Trichlorobenzene	ND	82	330	µg/Kg	1 4/27/2009 09:48 PM
1,2-Dichlorobenzene	ND	85	330	µg/Kg	1 4/27/2009 09:48 PM
1,3-Dichlorobenzene	ND	74	330	µg/Kg	1 4/27/2009 09:48 PM
1,4-Dichlorobenzene	ND	78	330	µg/Kg	1 4/27/2009 09:48 PM
2,4,5-Trichlorophenol	ND	56	330	µg/Kg	1 4/27/2009 09:48 PM
2,4,6-Trichlorophenol	ND	78	330	µg/Kg	1 4/27/2009 09:48 PM
2,4-Dichlorophenol	ND	87	1600	µg/Kg	1 4/27/2009 09:48 PM
2,4-Dimethylphenol	ND	88	330	µg/Kg	1 4/27/2009 09:48 PM
2,4-Dinitrophenol	ND	45	1600	µg/Kg	1 4/27/2009 09:48 PM
2,4-Dinitrotoluene	ND	67	330	µg/Kg	1 4/27/2009 09:48 PM
2,6-Dinitrotoluene	ND	67	330	µg/Kg	1 4/27/2009 09:48 PM
2-Chloronaphthalene	ND	70	330	µg/Kg	1 4/27/2009 09:48 PM
2-Chlorophenol	ND	89	330	µg/Kg	1 4/27/2009 09:48 PM
2-Methylnaphthalene	ND	78	330	µg/Kg	1 4/27/2009 09:48 PM
2-Methylphenol	ND	96	330	µg/Kg	1 4/27/2009 09:48 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105148
Project: 207126015
Lab ID: 105148-021A

Client Sample ID: 1001-107-5-S
Collection Date: 4/21/2009 10:25:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3550B

EPA 8270C

RunID: MS 13_090424A	QC Batch: 54950	PrepDate: 4/23/2009	Analyst: DMP
2-Nitroaniline	ND	79	1600
2-Nitrophenol	ND	70	330
3,3'-Dichlorobenzidine	ND	78	660
3-Nitroaniline	ND	60	1600
4,6-Dinitro-2-methylphenol	ND	63	1600
4-Bromophenyl-phenylether	ND	73	330
4-Chloro-3-methylphenol	ND	75	660
4-Chloroaniline	ND	73	660
4-Chlorophenyl-phenylether	ND	70	330
4-Methylphenol	ND	79	330
4-Nitroaniline	ND	60	1600
4-Nitrophenol	ND	71	1600
Acenaphthene	ND	70	330
Acenaphthylene	ND	69	330
Anthracene	ND	76	330
Benzidine (M)	ND	71	1600
Benzo(a)anthracene	ND	69	330
Benzo(a)pyrene	ND	82	330
Benzo(b)fluoranthene	ND	70	330
Benzo(g,h,i)perylene	ND	71	330
Benzo(k)fluoranthene	ND	98	330
Benzoic acid	ND	64	1600
Benzyl alcohol	ND	86	660
Bis(2-chloroethoxy)methane	ND	79	330
Bis(2-chloroethyl)ether	ND	81	330
Bis(2-chloroisopropyl)ether	ND	91	330
Bis(2-ethylhexyl)phthalate	ND	72	330
Butylbenzylphthalate	ND	72	330
Chrysene	ND	79	330
Di-n-butylphthalate	ND	78	330
Di-n-octylphthalate	ND	71	330
Dibenz(a,h)anthracene	ND	83	330
Dibenzofuran	ND	68	330
Diethylphthalate	ND	74	330
Dimethylphthalate	ND	69	330

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
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ANALYTICAL RESULTS

Print Date: 01-May-09

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Lab ID: 105148-021A

Client Sample ID: 1001-107-5-S
Collection Date: 4/21/2009 10:25:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3550B

EPA 8270C

RunID: MS 13_090424A	QC Batch: 54950	PrepDate: 4/23/2009	Analyst: DMP
Fluoranthene	ND	73	330
Fluorene	ND	69	330
Hexachlorobenzene	ND	76	330
Hexachlorobutadiene	ND	77	660
Hexachlorocyclopentadiene	ND	80	660
Hexachloroethane	ND	81	330
Indeno(1,2,3-cd)pyrene	ND	69	330
Isophorone	ND	85	330
N-Nitrosodi-n-propylamine	ND	82	330
N-Nitrosodiphenylamine	ND	79	330
Naphthalene	ND	86	330
Nitrobenzene	ND	82	330
Pentachlorophenol	ND	55	1600
Phenanthrene	ND	76	330
Phenol	ND	95	330
Pyrene	ND	77	330
Surr: 1,2-Dichlorobenzene-d4	74.6	0	49-103
Surr: 2,4,6-Tribromophenol	74.0	0	47-129
Surr: 2-Chlorophenol-d4	76.8	0	54-109
Surr: 2-Fluorobiphenyl	88.4	0	59-108
Surr: 2-Fluorophenol	75.4	0	50-111
Surr: 4-Terphenyl-d14	134	0	58-135
Surr: Nitrobenzene-d5	82.2	0	54-115
Surr: Phenol-d5	80.7	0	58-112

PH

EPA 9045C

RunID: WETCHEM_090423C	QC Batch: R108437	PrepDate:	Analyst: DDL
pH	8.2	0.10	0.10

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
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Client Sample ID: 1001-107-5-S
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Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS4_090422B	QC Batch: K09VS062	PrepDate: 4/22/2009	Analyst: HH
1,1,1,2-Tetrachloroethane	ND 1.6	4.6	µg/Kg 1 4/22/2009 05:20 PM
1,1,1-Trichloroethane	ND 0.59	4.6	µg/Kg 1 4/22/2009 05:20 PM
1,1,2,2-Tetrachloroethane	ND 1.4	4.6	µg/Kg 1 4/22/2009 05:20 PM
1,1,2-Trichloroethane	ND 1.5	4.6	µg/Kg 1 4/22/2009 05:20 PM
1,1-Dichloroethane	ND 0.46	4.6	µg/Kg 1 4/22/2009 05:20 PM
1,1-Dichloroethene	ND 1.2	4.6	µg/Kg 1 4/22/2009 05:20 PM
1,1-Dichloropropene	ND 1.4	4.6	µg/Kg 1 4/22/2009 05:20 PM
1,2,3-Trichlorobenzene	ND 0.95	4.6	µg/Kg 1 4/22/2009 05:20 PM
1,2,3-Trichloropropane	ND 0.69	4.6	µg/Kg 1 4/22/2009 05:20 PM
1,2,4-Trichlorobenzene	ND 1.2	4.6	µg/Kg 1 4/22/2009 05:20 PM
1,2,4-Trimethylbenzene	ND 0.79	4.6	µg/Kg 1 4/22/2009 05:20 PM
1,2-Dibromo-3-chloropropane	ND 1.8	9.2	µg/Kg 1 4/22/2009 05:20 PM
1,2-Dibromoethane	ND 1.3	4.6	µg/Kg 1 4/22/2009 05:20 PM
1,2-Dichlorobenzene	ND 0.76	4.6	µg/Kg 1 4/22/2009 05:20 PM
1,2-Dichloroethane	ND 1.1	4.6	µg/Kg 1 4/22/2009 05:20 PM
1,2-Dichloropropane	ND 1.4	4.6	µg/Kg 1 4/22/2009 05:20 PM
1,3,5-Trimethylbenzene	ND 0.92	4.6	µg/Kg 1 4/22/2009 05:20 PM
1,3-Dichlorobenzene	ND 0.92	4.6	µg/Kg 1 4/22/2009 05:20 PM
1,3-Dichloropropane	ND 0.97	4.6	µg/Kg 1 4/22/2009 05:20 PM
1,4-Dichlorobenzene	ND 1.1	4.6	µg/Kg 1 4/22/2009 05:20 PM
2,2-Dichloropropane	ND 0.80	4.6	µg/Kg 1 4/22/2009 05:20 PM
2-Chlorotoluene	ND 0.60	4.6	µg/Kg 1 4/22/2009 05:20 PM
4-Chlorotoluene	ND 0.62	4.6	µg/Kg 1 4/22/2009 05:20 PM
4-Isopropyltoluene	ND 0.52	4.6	µg/Kg 1 4/22/2009 05:20 PM
Benzene	ND 0.75	4.6	µg/Kg 1 4/22/2009 05:20 PM
Bromobenzene	ND 1.4	4.6	µg/Kg 1 4/22/2009 05:20 PM
Bromodichloromethane	ND 0.78	4.6	µg/Kg 1 4/22/2009 05:20 PM
Bromoform	ND 1.1	4.6	µg/Kg 1 4/22/2009 05:20 PM
Bromomethane	ND 0.80	4.6	µg/Kg 1 4/22/2009 05:20 PM
Carbon tetrachloride	ND 1.2	4.6	µg/Kg 1 4/22/2009 05:20 PM
Chlorobenzene	ND 0.82	4.6	µg/Kg 1 4/22/2009 05:20 PM
Chloroethane	ND 1.2	4.6	µg/Kg 1 4/22/2009 05:20 PM
Chloroform	ND 0.57	4.6	µg/Kg 1 4/22/2009 05:20 PM
Chloromethane	ND 0.75	4.6	µg/Kg 1 4/22/2009 05:20 PM
cis-1,2-Dichloroethene	ND 1.1	4.6	µg/Kg 1 4/22/2009 05:20 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105148
Project: 207126015
Lab ID: 105148-021B

Client Sample ID: 1001-107-5-S
Collection Date: 4/21/2009 10:25:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS4_090422B	QC Batch: K09VS062	PrepDate: 4/22/2009	Analyst: HH
cis-1,3-Dichloropropene	ND 1.2	4.6	µg/Kg 1 4/22/2009 05:20 PM
Dibromochloromethane	ND 0.62	4.6	µg/Kg 1 4/22/2009 05:20 PM
Dibromomethane	ND 1.5	4.6	µg/Kg 1 4/22/2009 05:20 PM
Dichlorodifluoromethane	ND 0.55	4.6	µg/Kg 1 4/22/2009 05:20 PM
Ethylbenzene	ND 0.83	4.6	µg/Kg 1 4/22/2009 05:20 PM
Hexachlorobutadiene	ND 3.1	4.6	µg/Kg 1 4/22/2009 05:20 PM
Isopropylbenzene	ND 1.1	4.6	µg/Kg 1 4/22/2009 05:20 PM
m,p-Xylene	ND 1.5	9.2	µg/Kg 1 4/22/2009 05:20 PM
Methylene chloride	ND 4.6	4.6	µg/Kg 1 4/22/2009 05:20 PM
n-Butylbenzene	ND 0.96	4.6	µg/Kg 1 4/22/2009 05:20 PM
n-Propylbenzene	ND 0.83	4.6	µg/Kg 1 4/22/2009 05:20 PM
Naphthalene	ND 1.5	4.6	µg/Kg 1 4/22/2009 05:20 PM
o-Xylene	ND 0.94	4.6	µg/Kg 1 4/22/2009 05:20 PM
sec-Butylbenzene	ND 0.78	4.6	µg/Kg 1 4/22/2009 05:20 PM
Styrene	ND 0.82	4.6	µg/Kg 1 4/22/2009 05:20 PM
tert-Butylbenzene	ND 0.56	4.6	µg/Kg 1 4/22/2009 05:20 PM
Tetrachloroethene	ND 0.97	4.6	µg/Kg 1 4/22/2009 05:20 PM
Toluene	ND 0.76	4.6	µg/Kg 1 4/22/2009 05:20 PM
trans-1,2-Dichloroethene	ND 0.91	4.6	µg/Kg 1 4/22/2009 05:20 PM
Trichloroethene	ND 1.8	4.6	µg/Kg 1 4/22/2009 05:20 PM
Trichlorofluoromethane	ND 1.1	4.6	µg/Kg 1 4/22/2009 05:20 PM
Vinyl chloride	ND 0.54	4.6	µg/Kg 1 4/22/2009 05:20 PM
Surr: 1,2-Dichloroethane-d4	116 0	68-147	%REC 1 4/22/2009 05:20 PM
Surr: 4-Bromofluorobenzene	108 0	67-127	%REC 1 4/22/2009 05:20 PM
Surr: Dibromofluoromethane	110 0	72-141	%REC 1 4/22/2009 05:20 PM
Surr: Toluene-d8	109 0	75-120	%REC 1 4/22/2009 05:20 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105148
Project: 207126015
Lab ID: 105148-021E

Client Sample ID: 1001-107-5-S
Collection Date: 4/21/2009 10:25:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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GASOLINE RANGE ORGANICS BY GC/FID

EPA 8015B(M)

RunID: GC2_090422C	QC Batch: E09VS109	PrepDate: 4/21/2009	Analyst: KHN		
GRO	ND 0.15	0.98	mg/Kg	1	4/22/2009 10:51 PM
Surr: Bromofluorobenzene (FID)	105 0	59-145	%REC	1	4/22/2009 10:51 PM

HYDROCARBON CHAIN IDENTIFICATION

EPA 8015B

RunID: GC2_090422C	QC Batch: E09VS109	PrepDate: 4/21/2009	Analyst: KHN		
T/R Hydrocarbons: C4-C12	ND 0.19	0.98	mg/Kg	1	4/22/2009 10:51 PM
Surr: Bromofluorobenzene (FID)	105 0	59-145	%REC	1	4/22/2009 10:51 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105148
Project: 207126015
Lab ID: 105148-022A

Client Sample ID: 1001-107-10-S
Collection Date: 4/21/2009 10:30:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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ICP METALS

EPA 3050B

EPA 6010B

RunID:	ICP8_0904271	QC Batch:	54946	PrepDate:	4/23/2009	Analyst:	CL
Antimony	ND	0.28	2.0	mg/Kg	1	4/27/2009 06:44 PM	
Arsenic	ND	0.27	1.0	mg/Kg	1	4/27/2009 06:44 PM	
Barium	160	0.13	1.0	mg/Kg	1	4/27/2009 06:44 PM	
Beryllium	ND	0.055	1.0	mg/Kg	1	4/27/2009 06:44 PM	
Cadmium	ND	0.0064	1.0	mg/Kg	1	4/27/2009 06:44 PM	
Chromium	22	0.088	1.0	mg/Kg	1	4/27/2009 06:44 PM	
Cobalt	9.0	0.014	1.0	mg/Kg	1	4/27/2009 06:44 PM	
Copper	25	0.26	2.0	mg/Kg	1	4/27/2009 06:44 PM	
Lead	ND	0.11	1.0	mg/Kg	1	4/27/2009 06:44 PM	
Molybdenum	ND	0.043	1.0	mg/Kg	1	4/27/2009 06:44 PM	
Nickel	17	0.032	1.0	mg/Kg	1	4/27/2009 06:44 PM	
Selenium	ND	0.43	1.0	mg/Kg	1	4/27/2009 06:44 PM	
Silver	ND	0.017	1.0	mg/Kg	1	4/27/2009 06:44 PM	
Thallium	ND	0.23	1.0	mg/Kg	1	4/27/2009 06:44 PM	
Vanadium	53	0.019	1.0	mg/Kg	1	4/27/2009 06:44 PM	
Zinc	51	0.19	1.0	mg/Kg	1	4/27/2009 06:44 PM	

HEXAVALENT CHROMIUM

EPA 7196A

RunID:	WETCHEM3_090428A	QC Batch:	55025	PrepDate:	4/27/2009	Analyst:	MFP
Chromium, Hexavalent	ND	0.074	0.10	mg/Kg	1	4/28/2009	

DIESEL RANGE ORGANICS BY GC/FID LUFT

EPA 8015B(M)

RunID:	GC16_090423B	QC Batch:	54917	PrepDate:	4/23/2009	Analyst:	CBR
DRO	ND	10	10	mg/Kg	1	4/23/2009 07:47 PM	
Surr: p-Terphenyl	86.0	0	57-144	%REC	1	4/23/2009 07:47 PM	

HYDROCARBON CHAIN IDENTIFICATION LUFT

EPA 8015B(M)

RunID:	GC16_090423B	QC Batch:	54917	PrepDate:	4/23/2009	Analyst:	CBR
T/R Hydrocarbons: C13-C22	ND	10	10	mg/Kg	1	4/23/2009 07:47 PM	
T/R Hydrocarbons: C23-C32	ND	10	10	mg/Kg	1	4/23/2009 07:47 PM	
T/R Hydrocarbons:>C32	ND	10	10	mg/Kg	1	4/23/2009 07:47 PM	
Surr: p-Terphenyl	86.0	0	57-144	%REC	1	4/23/2009 07:47 PM	

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
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Project: 207126015
Lab ID: 105148-022A

Client Sample ID: 1001-107-10-S
Collection Date: 4/21/2009 10:30:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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PCBS BY GC/ECD

EPA 3550B

EPA 8082

RunID: GC4_090423B	QC Batch: 54967	PrepDate: 4/23/2009	Analyst: BB			
Aroclor 1016	ND	5.0	16	µg/Kg	1	4/24/2009 01:24 AM
Aroclor 1221	ND	5.0	33	µg/Kg	1	4/24/2009 01:24 AM
Aroclor 1232	ND	5.0	16	µg/Kg	1	4/24/2009 01:24 AM
Aroclor 1242	ND	5.0	16	µg/Kg	1	4/24/2009 01:24 AM
Aroclor 1248	ND	5.0	16	µg/Kg	1	4/24/2009 01:24 AM
Aroclor 1254	ND	5.0	16	µg/Kg	1	4/24/2009 01:24 AM
Aroclor 1260	ND	5.0	16	µg/Kg	1	4/24/2009 01:24 AM
Aroclor 1262	ND	5.0	16	µg/Kg	1	4/24/2009 01:24 AM
Aroclor 1268	ND	5.0	16	µg/Kg	1	4/24/2009 01:24 AM
Surr: Decachlorobiphenyl	91.9	0	30-124	%REC	1	4/24/2009 01:24 AM
Surr: Tetrachloro-m-xylene	106	0	40-118	%REC	1	4/24/2009 01:24 AM

MERCURY BY COLD VAPOR TECHNIQUE

EPA 7471A

RunID: AA5_090423D	QC Batch: 54935	PrepDate: 4/23/2009	Analyst: RQ			
Mercury	ND	0.021	0.10	mg/Kg	1	4/23/2009 01:31 PM

SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3550B

EPA 8270C

RunID: MS6_090428A	QC Batch: 54950	PrepDate: 4/23/2009	Analyst: DMP			
1,2,4-Trichlorobenzene	ND	82	330	µg/Kg	1	4/28/2009 01:05 PM
1,2-Dichlorobenzene	ND	85	330	µg/Kg	1	4/28/2009 01:05 PM
1,3-Dichlorobenzene	ND	74	330	µg/Kg	1	4/28/2009 01:05 PM
1,4-Dichlorobenzene	ND	78	330	µg/Kg	1	4/28/2009 01:05 PM
2,4,5-Trichlorophenol	ND	56	330	µg/Kg	1	4/28/2009 01:05 PM
2,4,6-Trichlorophenol	ND	78	330	µg/Kg	1	4/28/2009 01:05 PM
2,4-Dichlorophenol	ND	87	1600	µg/Kg	1	4/28/2009 01:05 PM
2,4-Dimethylphenol	ND	88	330	µg/Kg	1	4/28/2009 01:05 PM
2,4-Dinitrophenol	ND	45	1600	µg/Kg	1	4/28/2009 01:05 PM
2,4-Dinitrotoluene	ND	67	330	µg/Kg	1	4/28/2009 01:05 PM
2,6-Dinitrotoluene	ND	67	330	µg/Kg	1	4/28/2009 01:05 PM
2-Chloronaphthalene	ND	70	330	µg/Kg	1	4/28/2009 01:05 PM
2-Chlorophenol	ND	89	330	µg/Kg	1	4/28/2009 01:05 PM
2-Methylnaphthalene	ND	78	330	µg/Kg	1	4/28/2009 01:05 PM
2-Methylphenol	ND	96	330	µg/Kg	1	4/28/2009 01:05 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
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ANALYTICAL RESULTS

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Project: 207126015
Lab ID: 105148-022A

Client Sample ID: 1001-107-10-S
Collection Date: 4/21/2009 10:30:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3550B

EPA 8270C

RunID: MS6_090428A	QC Batch: 54950	PrepDate: 4/23/2009	Analyst: DMP
2-Nitroaniline	ND	79	1600
2-Nitrophenol	ND	70	330
3,3'-Dichlorobenzidine	ND	78	660
3-Nitroaniline	ND	60	1600
4,6-Dinitro-2-methylphenol	ND	63	1600
4-Bromophenyl-phenylether	ND	73	330
4-Chloro-3-methylphenol	ND	75	660
4-Chloroaniline	ND	73	660
4-Chlorophenyl-phenylether	ND	70	330
4-Methylphenol	ND	79	330
4-Nitroaniline	ND	60	1600
4-Nitrophenol	ND	71	1600
Acenaphthene	ND	70	330
Acenaphthylene	ND	69	330
Anthracene	ND	76	330
Benzidine (M)	ND	71	1600
Benzo(a)anthracene	ND	69	330
Benzo(a)pyrene	ND	82	330
Benzo(b)fluoranthene	ND	70	330
Benzo(g,h,i)perylene	ND	71	330
Benzo(k)fluoranthene	ND	98	330
Benzoic acid	ND	64	1600
Benzyl alcohol	ND	86	660
Bis(2-chloroethoxy)methane	ND	79	330
Bis(2-chloroethyl)ether	ND	81	330
Bis(2-chloroisopropyl)ether	ND	91	330
Bis(2-ethylhexyl)phthalate	ND	72	330
Butylbenzylphthalate	ND	72	330
Chrysene	ND	79	330
Di-n-butylphthalate	ND	78	330
Di-n-octylphthalate	ND	71	330
Dibenz(a,h)anthracene	ND	83	330
Dibenzofuran	ND	68	330
Diethylphthalate	ND	74	330
Dimethylphthalate	ND	69	330

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



Advanced Technology
Laboratories

3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories**ANALYTICAL RESULTS**

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105148
Project: 207126015
Lab ID: 105148-022A

Client Sample ID: 1001-107-10-S
Collection Date: 4/21/2009 10:30:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS**EPA 3550B****EPA 8270C**

RunID: MS6_090428A	QC Batch: 54950			PrepDate: 4/23/2009	Analyst: DMP
Fluoranthene	ND	73	330	µg/Kg	1 4/28/2009 01:05 PM
Fluorene	ND	69	330	µg/Kg	1 4/28/2009 01:05 PM
Hexachlorobenzene	ND	76	330	µg/Kg	1 4/28/2009 01:05 PM
Hexachlorobutadiene	ND	77	660	µg/Kg	1 4/28/2009 01:05 PM
Hexachlorocyclopentadiene	ND	80	660	µg/Kg	1 4/28/2009 01:05 PM
Hexachloroethane	ND	81	330	µg/Kg	1 4/28/2009 01:05 PM
Indeno(1,2,3-cd)pyrene	ND	69	330	µg/Kg	1 4/28/2009 01:05 PM
Isophorone	ND	85	330	µg/Kg	1 4/28/2009 01:05 PM
N-Nitrosodi-n-propylamine	ND	82	330	µg/Kg	1 4/28/2009 01:05 PM
N-Nitrosodiphenylamine	ND	79	330	µg/Kg	1 4/28/2009 01:05 PM
Naphthalene	ND	86	330	µg/Kg	1 4/28/2009 01:05 PM
Nitrobenzene	ND	82	330	µg/Kg	1 4/28/2009 01:05 PM
Pentachlorophenol	ND	55	1600	µg/Kg	1 4/28/2009 01:05 PM
Phenanthrene	ND	76	330	µg/Kg	1 4/28/2009 01:05 PM
Phenol	ND	95	330	µg/Kg	1 4/28/2009 01:05 PM
Pyrene	ND	77	330	µg/Kg	1 4/28/2009 01:05 PM
Surr: 1,2-Dichlorobenzene-d4	80.2	0	49-103	%REC	1 4/28/2009 01:05 PM
Surr: 2,4,6-Tribromophenol	83.9	0	47-129	%REC	1 4/28/2009 01:05 PM
Surr: 2-Chlorophenol-d4	85.7	0	54-109	%REC	1 4/28/2009 01:05 PM
Surr: 2-Fluorobiphenyl	89.6	0	59-108	%REC	1 4/28/2009 01:05 PM
Surr: 2-Fluorophenol	89.3	0	50-111	%REC	1 4/28/2009 01:05 PM
Surr: 4-Terphenyl-d14	113	0	58-135	%REC	1 4/28/2009 01:05 PM
Surr: Nitrobenzene-d5	90.1	0	54-115	%REC	1 4/28/2009 01:05 PM
Surr: Phenol-d5	88.9	0	58-112	%REC	1 4/28/2009 01:05 PM

PH**EPA 9045C**

RunID: WETCHEM_090423C	QC Batch: R108437			PrepDate:	Analyst: DDL
pH	8.3	0.10	0.10	pH Units	1 4/23/2009

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105148
Project: 207126015
Lab ID: 105148-022B

Client Sample ID: 1001-107-10-S
Collection Date: 4/21/2009 10:30:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS4_090422B	QC Batch: K09VS062	PrepDate: 4/22/2009	Analyst: HH
1,1,1,2-Tetrachloroethane	ND 1.7	4.9	µg/Kg 1 4/22/2009 05:36 PM
1,1,1-Trichloroethane	ND 0.63	4.9	µg/Kg 1 4/22/2009 05:36 PM
1,1,2,2-Tetrachloroethane	ND 1.5	4.9	µg/Kg 1 4/22/2009 05:36 PM
1,1,2-Trichloroethane	ND 1.6	4.9	µg/Kg 1 4/22/2009 05:36 PM
1,1-Dichloroethane	ND 0.49	4.9	µg/Kg 1 4/22/2009 05:36 PM
1,1-Dichloroethene	ND 1.2	4.9	µg/Kg 1 4/22/2009 05:36 PM
1,1-Dichloropropene	ND 1.5	4.9	µg/Kg 1 4/22/2009 05:36 PM
1,2,3-Trichlorobenzene	ND 1.0	4.9	µg/Kg 1 4/22/2009 05:36 PM
1,2,3-Trichloropropane	ND 0.73	4.9	µg/Kg 1 4/22/2009 05:36 PM
1,2,4-Trichlorobenzene	ND 1.3	4.9	µg/Kg 1 4/22/2009 05:36 PM
1,2,4-Trimethylbenzene	ND 0.84	4.9	µg/Kg 1 4/22/2009 05:36 PM
1,2-Dibromo-3-chloropropane	ND 1.9	9.8	µg/Kg 1 4/22/2009 05:36 PM
1,2-Dibromoethane	ND 1.4	4.9	µg/Kg 1 4/22/2009 05:36 PM
1,2-Dichlorobenzene	ND 0.81	4.9	µg/Kg 1 4/22/2009 05:36 PM
1,2-Dichloroethane	ND 1.1	4.9	µg/Kg 1 4/22/2009 05:36 PM
1,2-Dichloropropane	ND 1.5	4.9	µg/Kg 1 4/22/2009 05:36 PM
1,3,5-Trimethylbenzene	ND 0.98	4.9	µg/Kg 1 4/22/2009 05:36 PM
1,3-Dichlorobenzene	ND 0.99	4.9	µg/Kg 1 4/22/2009 05:36 PM
1,3-Dichloropropane	ND 1.0	4.9	µg/Kg 1 4/22/2009 05:36 PM
1,4-Dichlorobenzene	ND 1.2	4.9	µg/Kg 1 4/22/2009 05:36 PM
2,2-Dichloropropane	ND 0.85	4.9	µg/Kg 1 4/22/2009 05:36 PM
2-Chlorotoluene	ND 0.64	4.9	µg/Kg 1 4/22/2009 05:36 PM
4-Chlorotoluene	ND 0.66	4.9	µg/Kg 1 4/22/2009 05:36 PM
4-Isopropyltoluene	ND 0.56	4.9	µg/Kg 1 4/22/2009 05:36 PM
Benzene	ND 0.80	4.9	µg/Kg 1 4/22/2009 05:36 PM
Bromobenzene	ND 1.5	4.9	µg/Kg 1 4/22/2009 05:36 PM
Bromodichloromethane	ND 0.84	4.9	µg/Kg 1 4/22/2009 05:36 PM
Bromoform	ND 1.2	4.9	µg/Kg 1 4/22/2009 05:36 PM
Bromomethane	ND 0.86	4.9	µg/Kg 1 4/22/2009 05:36 PM
Carbon tetrachloride	ND 1.3	4.9	µg/Kg 1 4/22/2009 05:36 PM
Chlorobenzene	ND 0.88	4.9	µg/Kg 1 4/22/2009 05:36 PM
Chloroethane	ND 1.3	4.9	µg/Kg 1 4/22/2009 05:36 PM
Chloroform	ND 0.61	4.9	µg/Kg 1 4/22/2009 05:36 PM
Chloromethane	ND 0.80	4.9	µg/Kg 1 4/22/2009 05:36 PM
cis-1,2-Dichloroethene	ND 1.2	4.9	µg/Kg 1 4/22/2009 05:36 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105148
Project: 207126015
Lab ID: 105148-022B

Client Sample ID: 1001-107-10-S
Collection Date: 4/21/2009 10:30:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS4_090422B	QC Batch: K09VS062	PrepDate: 4/22/2009	Analyst: HH
cis-1,3-Dichloropropene	ND 1.2	4.9	µg/Kg 1 4/22/2009 05:36 PM
Dibromochloromethane	ND 0.67	4.9	µg/Kg 1 4/22/2009 05:36 PM
Dibromomethane	ND 1.7	4.9	µg/Kg 1 4/22/2009 05:36 PM
Dichlorodifluoromethane	ND 0.59	4.9	µg/Kg 1 4/22/2009 05:36 PM
Ethylbenzene	ND 0.89	4.9	µg/Kg 1 4/22/2009 05:36 PM
Hexachlorobutadiene	ND 3.3	4.9	µg/Kg 1 4/22/2009 05:36 PM
Isopropylbenzene	ND 1.2	4.9	µg/Kg 1 4/22/2009 05:36 PM
m,p-Xylene	ND 1.6	9.8	µg/Kg 1 4/22/2009 05:36 PM
Methylene chloride	ND 4.9	4.9	µg/Kg 1 4/22/2009 05:36 PM
n-Butylbenzene	ND 1.0	4.9	µg/Kg 1 4/22/2009 05:36 PM
n-Propylbenzene	ND 0.88	4.9	µg/Kg 1 4/22/2009 05:36 PM
Naphthalene	ND 1.6	4.9	µg/Kg 1 4/22/2009 05:36 PM
o-Xylene	ND 1.0	4.9	µg/Kg 1 4/22/2009 05:36 PM
sec-Butylbenzene	ND 0.83	4.9	µg/Kg 1 4/22/2009 05:36 PM
Styrene	ND 0.88	4.9	µg/Kg 1 4/22/2009 05:36 PM
tert-Butylbenzene	ND 0.60	4.9	µg/Kg 1 4/22/2009 05:36 PM
Tetrachloroethene	ND 1.0	4.9	µg/Kg 1 4/22/2009 05:36 PM
Toluene	ND 0.81	4.9	µg/Kg 1 4/22/2009 05:36 PM
trans-1,2-Dichloroethene	ND 0.97	4.9	µg/Kg 1 4/22/2009 05:36 PM
Trichloroethene	ND 1.9	4.9	µg/Kg 1 4/22/2009 05:36 PM
Trichlorofluoromethane	ND 1.1	4.9	µg/Kg 1 4/22/2009 05:36 PM
Vinyl chloride	ND 0.58	4.9	µg/Kg 1 4/22/2009 05:36 PM
Surr: 1,2-Dichloroethane-d4	117 0	68-147	%REC 1 4/22/2009 05:36 PM
Surr: 4-Bromofluorobenzene	106 0	67-127	%REC 1 4/22/2009 05:36 PM
Surr: Dibromofluoromethane	117 0	72-141	%REC 1 4/22/2009 05:36 PM
Surr: Toluene-d8	102 0	75-120	%REC 1 4/22/2009 05:36 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105148
Project: 207126015
Lab ID: 105148-022E

Client Sample ID: 1001-107-10-S
Collection Date: 4/21/2009 10:30:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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GASOLINE RANGE ORGANICS BY GC/FID

EPA 8015B(M)

RunID: GC2_090422C	QC Batch: E09VS109	PrepDate: 4/21/2009	Analyst: KHN		
GRO	ND 0.14	0.93	mg/Kg	1	4/22/2009 11:22 PM
Surr: Bromofluorobenzene (FID)	111 0	59-145	%REC	1	4/22/2009 11:22 PM

HYDROCARBON CHAIN IDENTIFICATION

EPA 8015B

RunID: GC2_090422C	QC Batch: E09VS109	PrepDate: 4/21/2009	Analyst: KHN		
T/R Hydrocarbons: C4-C12	ND 0.18	0.93	mg/Kg	1	4/22/2009 11:22 PM
Surr: Bromofluorobenzene (FID)	111 0	59-145	%REC	1	4/22/2009 11:22 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105148
Project: 207126015
Lab ID: 105148-023A

Client Sample ID: 1001-107-20-S
Collection Date: 4/21/2009 10:40:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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ICP METALS

EPA 3050B		EPA 6010B	
RunID: ICP8_0904271	QC Batch: 54946	PrepDate: 4/23/2009	Analyst: CL
Antimony	ND 0.28	2.0	mg/Kg 1 4/27/2009 06:47 PM
Arsenic	ND 0.27	1.0	mg/Kg 1 4/27/2009 06:47 PM
Barium	140 0.13	1.0	mg/Kg 1 4/27/2009 06:47 PM
Beryllium	ND 0.055	1.0	mg/Kg 1 4/27/2009 06:47 PM
Cadmium	ND 0.0064	1.0	mg/Kg 1 4/27/2009 06:47 PM
Chromium	19 0.088	1.0	mg/Kg 1 4/27/2009 06:47 PM
Cobalt	8.3 0.014	1.0	mg/Kg 1 4/27/2009 06:47 PM
Copper	21 0.26	2.0	mg/Kg 1 4/27/2009 06:47 PM
Lead	ND 0.11	1.0	mg/Kg 1 4/27/2009 06:47 PM
Molybdenum	ND 0.043	1.0	mg/Kg 1 4/27/2009 06:47 PM
Nickel	13 0.032	1.0	mg/Kg 1 4/27/2009 06:47 PM
Selenium	ND 0.43	1.0	mg/Kg 1 4/27/2009 06:47 PM
Silver	ND 0.017	1.0	mg/Kg 1 4/27/2009 06:47 PM
Thallium	ND 0.23	1.0	mg/Kg 1 4/27/2009 06:47 PM
Vanadium	52 0.019	1.0	mg/Kg 1 4/27/2009 06:47 PM
Zinc	48 0.19	1.0	mg/Kg 1 4/27/2009 06:47 PM

HEXAVALENT CHROMIUM

EPA 7196A	
RunID: WETCHEM3_090428A	QC Batch: 55025
PrepDate: 4/27/2009	Analyst: MFP
Chromium, Hexavalent	0.14 0.074 0.10 mg/Kg 1 4/28/2009

DIESEL RANGE ORGANICS BY GC/FID LUFT

EPA 8015B(M)	
RunID: GC16_090423B	QC Batch: 54917
PrepDate: 4/23/2009	Analyst: CBR
DRO	ND 10 10 mg/Kg 1 4/23/2009 07:56 PM
Surr: p-Terphenyl	102 0 57-144 %REC 1 4/23/2009 07:56 PM

HYDROCARBON CHAIN IDENTIFICATION LUFT

EPA 8015B(M)	
RunID: GC16_090423B	QC Batch: 54917
PrepDate: 4/23/2009	Analyst: CBR
T/R Hydrocarbons: C13-C22	ND 10 10 mg/Kg 1 4/23/2009 07:56 PM
T/R Hydrocarbons: C23-C32	ND 10 10 mg/Kg 1 4/23/2009 07:56 PM
T/R Hydrocarbons: >C32	ND 10 10 mg/Kg 1 4/23/2009 07:56 PM
Surr: p-Terphenyl	102 0 57-144 %REC 1 4/23/2009 07:56 PM

Qualifiers:	B Analyte detected in the associated Method Blank	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	ND Not Detected at the Reporting Limit
	S Spike/Surrogate outside of limits due to matrix interference	Results are wet unless otherwise specified
	DO Surrogate Diluted Out	



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105148
Project: 207126015
Lab ID: 105148-023A

Client Sample ID: 1001-107-20-S
Collection Date: 4/21/2009 10:40:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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PCBS BY GC/ECD

EPA 3550B

EPA 8082

RunID: GC4_090423B	QC Batch: 54967	PrepDate: 4/23/2009	Analyst: BB			
Aroclor 1016	ND	5.0	16	µg/Kg	1	4/24/2009 02:23 AM
Aroclor 1221	ND	5.0	33	µg/Kg	1	4/24/2009 02:23 AM
Aroclor 1232	ND	5.0	16	µg/Kg	1	4/24/2009 02:23 AM
Aroclor 1242	ND	5.0	16	µg/Kg	1	4/24/2009 02:23 AM
Aroclor 1248	ND	5.0	16	µg/Kg	1	4/24/2009 02:23 AM
Aroclor 1254	ND	5.0	16	µg/Kg	1	4/24/2009 02:23 AM
Aroclor 1260	ND	5.0	16	µg/Kg	1	4/24/2009 02:23 AM
Aroclor 1262	ND	5.0	16	µg/Kg	1	4/24/2009 02:23 AM
Aroclor 1268	ND	5.0	16	µg/Kg	1	4/24/2009 02:23 AM
Surr: Decachlorobiphenyl	91.2	0	30-124	%REC	1	4/24/2009 02:23 AM
Surr: Tetrachloro-m-xylene	108	0	40-118	%REC	1	4/24/2009 02:23 AM

MERCURY BY COLD VAPOR TECHNIQUE

EPA 7471A

RunID: AA5_090423D	QC Batch: 54935	PrepDate: 4/23/2009	Analyst: RQ			
Mercury	ND	0.021	0.10	mg/Kg	1	4/23/2009 01:19 PM

SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3550B

EPA 8270C

RunID: MS6_090428A	QC Batch: 54950	PrepDate: 4/23/2009	Analyst: DMP			
1,2,4-Trichlorobenzene	ND	82	330	µg/Kg	1	4/28/2009 02:32 PM
1,2-Dichlorobenzene	ND	85	330	µg/Kg	1	4/28/2009 02:32 PM
1,3-Dichlorobenzene	ND	74	330	µg/Kg	1	4/28/2009 02:32 PM
1,4-Dichlorobenzene	ND	78	330	µg/Kg	1	4/28/2009 02:32 PM
2,4,5-Trichlorophenol	ND	56	330	µg/Kg	1	4/28/2009 02:32 PM
2,4,6-Trichlorophenol	ND	78	330	µg/Kg	1	4/28/2009 02:32 PM
2,4-Dichlorophenol	ND	87	1600	µg/Kg	1	4/28/2009 02:32 PM
2,4-Dimethylphenol	ND	88	330	µg/Kg	1	4/28/2009 02:32 PM
2,4-Dinitrophenol	ND	45	1600	µg/Kg	1	4/28/2009 02:32 PM
2,4-Dinitrotoluene	ND	67	330	µg/Kg	1	4/28/2009 02:32 PM
2,6-Dinitrotoluene	ND	67	330	µg/Kg	1	4/28/2009 02:32 PM
2-Chloronaphthalene	ND	70	330	µg/Kg	1	4/28/2009 02:32 PM
2-Chlorophenol	ND	89	330	µg/Kg	1	4/28/2009 02:32 PM
2-Methylnaphthalene	ND	78	330	µg/Kg	1	4/28/2009 02:32 PM
2-Methylphenol	ND	96	330	µg/Kg	1	4/28/2009 02:32 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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Laboratories

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Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105148
Project: 207126015
Lab ID: 105148-023A

Client Sample ID: 1001-107-20-S
Collection Date: 4/21/2009 10:40:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3550B

EPA 8270C

RunID: MS6_090428A	QC Batch: 54950	PrepDate: 4/23/2009	Analyst: DMP
2-Nitroaniline	ND	79	1600
2-Nitrophenol	ND	70	330
3,3'-Dichlorobenzidine	ND	78	660
3-Nitroaniline	ND	60	1600
4,6-Dinitro-2-methylphenol	ND	63	1600
4-Bromophenyl-phenylether	ND	73	330
4-Chloro-3-methylphenol	ND	75	660
4-Chloroaniline	ND	73	660
4-Chlorophenyl-phenylether	ND	70	330
4-Methylphenol	ND	79	330
4-Nitroaniline	ND	60	1600
4-Nitrophenol	ND	71	1600
Acenaphthene	ND	70	330
Acenaphthylene	ND	69	330
Anthracene	ND	76	330
Benzidine (M)	ND	71	1600
Benzo(a)anthracene	ND	69	330
Benzo(a)pyrene	ND	82	330
Benzo(b)fluoranthene	ND	70	330
Benzo(g,h,i)perylene	ND	71	330
Benzo(k)fluoranthene	ND	98	330
Benzoic acid	ND	64	1600
Benzyl alcohol	ND	86	660
Bis(2-chloroethoxy)methane	ND	79	330
Bis(2-chloroethyl)ether	ND	81	330
Bis(2-chloroisopropyl)ether	ND	91	330
Bis(2-ethylhexyl)phthalate	ND	72	330
Butylbenzylphthalate	ND	72	330
Chrysene	ND	79	330
Di-n-butylphthalate	ND	78	330
Di-n-octylphthalate	ND	71	330
Dibenz(a,h)anthracene	ND	83	330
Dibenzofuran	ND	68	330
Diethylphthalate	ND	74	330
Dimethylphthalate	ND	69	330

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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Advanced Technology Laboratories**ANALYTICAL RESULTS**

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105148
Project: 207126015
Lab ID: 105148-023A

Client Sample ID: 1001-107-20-S
Collection Date: 4/21/2009 10:40:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS**EPA 3550B****EPA 8270C**

RunID: MS6_090428A	QC Batch: 54950			PrepDate: 4/23/2009	Analyst: DMP
Fluoranthene	ND	73	330	µg/Kg	1 4/28/2009 02:32 PM
Fluorene	ND	69	330	µg/Kg	1 4/28/2009 02:32 PM
Hexachlorobenzene	ND	76	330	µg/Kg	1 4/28/2009 02:32 PM
Hexachlorobutadiene	ND	77	660	µg/Kg	1 4/28/2009 02:32 PM
Hexachlorocyclopentadiene	ND	80	660	µg/Kg	1 4/28/2009 02:32 PM
Hexachloroethane	ND	81	330	µg/Kg	1 4/28/2009 02:32 PM
Indeno(1,2,3-cd)pyrene	ND	69	330	µg/Kg	1 4/28/2009 02:32 PM
Isophorone	ND	85	330	µg/Kg	1 4/28/2009 02:32 PM
N-Nitrosodi-n-propylamine	ND	82	330	µg/Kg	1 4/28/2009 02:32 PM
N-Nitrosodiphenylamine	ND	79	330	µg/Kg	1 4/28/2009 02:32 PM
Naphthalene	ND	86	330	µg/Kg	1 4/28/2009 02:32 PM
Nitrobenzene	ND	82	330	µg/Kg	1 4/28/2009 02:32 PM
Pentachlorophenol	ND	55	1600	µg/Kg	1 4/28/2009 02:32 PM
Phenanthrene	ND	76	330	µg/Kg	1 4/28/2009 02:32 PM
Phenol	ND	95	330	µg/Kg	1 4/28/2009 02:32 PM
Pyrene	ND	77	330	µg/Kg	1 4/28/2009 02:32 PM
Surr: 1,2-Dichlorobenzene-d4	83.5	0	49-103	%REC	1 4/28/2009 02:32 PM
Surr: 2,4,6-Tribromophenol	89.7	0	47-129	%REC	1 4/28/2009 02:32 PM
Surr: 2-Chlorophenol-d4	88.1	0	54-109	%REC	1 4/28/2009 02:32 PM
Surr: 2-Fluorobiphenyl	91.8	0	59-108	%REC	1 4/28/2009 02:32 PM
Surr: 2-Fluorophenol	92.5	0	50-111	%REC	1 4/28/2009 02:32 PM
Surr: 4-Terphenyl-d14	118	0	58-135	%REC	1 4/28/2009 02:32 PM
Surr: Nitrobenzene-d5	92.1	0	54-115	%REC	1 4/28/2009 02:32 PM
Surr: Phenol-d5	91.2	0	58-112	%REC	1 4/28/2009 02:32 PM

PH**EPA 9045C**

RunID: WETCHEM_090423C	QC Batch: R108437			PrepDate:	Analyst: DDL
pH	8.2	0.10	0.10	pH Units	1 4/23/2009

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105148
Project: 207126015
Lab ID: 105148-023C

Client Sample ID: 1001-107-20-S
Collection Date: 4/21/2009 10:40:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS5_090423A	QC Batch: T09VS106	PrepDate: 4/23/2009	Analyst: HH
1,1,1,2-Tetrachloroethane	ND 1.7	4.9	µg/Kg 1 4/23/2009 04:54 PM
1,1,1-Trichloroethane	ND 0.63	4.9	µg/Kg 1 4/23/2009 04:54 PM
1,1,2,2-Tetrachloroethane	ND 1.5	4.9	µg/Kg 1 4/23/2009 04:54 PM
1,1,2-Trichloroethane	ND 1.6	4.9	µg/Kg 1 4/23/2009 04:54 PM
1,1-Dichloroethane	ND 0.49	4.9	µg/Kg 1 4/23/2009 04:54 PM
1,1-Dichloroethene	ND 1.2	4.9	µg/Kg 1 4/23/2009 04:54 PM
1,1-Dichloropropene	ND 1.5	4.9	µg/Kg 1 4/23/2009 04:54 PM
1,2,3-Trichlorobenzene	ND 1.0	4.9	µg/Kg 1 4/23/2009 04:54 PM
1,2,3-Trichloropropane	ND 0.73	4.9	µg/Kg 1 4/23/2009 04:54 PM
1,2,4-Trichlorobenzene	ND 1.3	4.9	µg/Kg 1 4/23/2009 04:54 PM
1,2,4-Trimethylbenzene	ND 0.84	4.9	µg/Kg 1 4/23/2009 04:54 PM
1,2-Dibromo-3-chloropropane	ND 1.9	9.8	µg/Kg 1 4/23/2009 04:54 PM
1,2-Dibromoethane	ND 1.4	4.9	µg/Kg 1 4/23/2009 04:54 PM
1,2-Dichlorobenzene	ND 0.81	4.9	µg/Kg 1 4/23/2009 04:54 PM
1,2-Dichloroethane	ND 1.1	4.9	µg/Kg 1 4/23/2009 04:54 PM
1,2-Dichloropropane	ND 1.5	4.9	µg/Kg 1 4/23/2009 04:54 PM
1,3,5-Trimethylbenzene	ND 0.98	4.9	µg/Kg 1 4/23/2009 04:54 PM
1,3-Dichlorobenzene	ND 0.99	4.9	µg/Kg 1 4/23/2009 04:54 PM
1,3-Dichloropropane	ND 1.0	4.9	µg/Kg 1 4/23/2009 04:54 PM
1,4-Dichlorobenzene	ND 1.2	4.9	µg/Kg 1 4/23/2009 04:54 PM
2,2-Dichloropropane	ND 0.85	4.9	µg/Kg 1 4/23/2009 04:54 PM
2-Chlorotoluene	ND 0.64	4.9	µg/Kg 1 4/23/2009 04:54 PM
4-Chlorotoluene	ND 0.66	4.9	µg/Kg 1 4/23/2009 04:54 PM
4-Isopropyltoluene	ND 0.56	4.9	µg/Kg 1 4/23/2009 04:54 PM
Benzene	ND 0.80	4.9	µg/Kg 1 4/23/2009 04:54 PM
Bromobenzene	ND 1.5	4.9	µg/Kg 1 4/23/2009 04:54 PM
Bromodichloromethane	ND 0.84	4.9	µg/Kg 1 4/23/2009 04:54 PM
Bromoform	ND 1.2	4.9	µg/Kg 1 4/23/2009 04:54 PM
Bromomethane	ND 0.86	4.9	µg/Kg 1 4/23/2009 04:54 PM
Carbon tetrachloride	ND 1.3	4.9	µg/Kg 1 4/23/2009 04:54 PM
Chlorobenzene	ND 0.88	4.9	µg/Kg 1 4/23/2009 04:54 PM
Chloroethane	ND 1.3	4.9	µg/Kg 1 4/23/2009 04:54 PM
Chloroform	ND 0.61	4.9	µg/Kg 1 4/23/2009 04:54 PM
Chloromethane	ND 0.80	4.9	µg/Kg 1 4/23/2009 04:54 PM
cis-1,2-Dichloroethene	ND 1.2	4.9	µg/Kg 1 4/23/2009 04:54 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105148
Project: 207126015
Lab ID: 105148-023C

Client Sample ID: 1001-107-20-S
Collection Date: 4/21/2009 10:40:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS5_090423A	QC Batch: T09VS106	PrepDate: 4/23/2009	Analyst: HH
cis-1,3-Dichloropropene	ND 1.2	4.9	µg/Kg 1 4/23/2009 04:54 PM
Dibromochloromethane	ND 0.67	4.9	µg/Kg 1 4/23/2009 04:54 PM
Dibromomethane	ND 1.7	4.9	µg/Kg 1 4/23/2009 04:54 PM
Dichlorodifluoromethane	ND 0.59	4.9	µg/Kg 1 4/23/2009 04:54 PM
Ethylbenzene	ND 0.89	4.9	µg/Kg 1 4/23/2009 04:54 PM
Hexachlorobutadiene	ND 3.3	4.9	µg/Kg 1 4/23/2009 04:54 PM
Isopropylbenzene	ND 1.2	4.9	µg/Kg 1 4/23/2009 04:54 PM
m,p-Xylene	ND 1.6	9.8	µg/Kg 1 4/23/2009 04:54 PM
Methylene chloride	ND 4.9	4.9	µg/Kg 1 4/23/2009 04:54 PM
n-Butylbenzene	ND 1.0	4.9	µg/Kg 1 4/23/2009 04:54 PM
n-Propylbenzene	ND 0.88	4.9	µg/Kg 1 4/23/2009 04:54 PM
Naphthalene	ND 1.6	4.9	µg/Kg 1 4/23/2009 04:54 PM
o-Xylene	ND 1.0	4.9	µg/Kg 1 4/23/2009 04:54 PM
sec-Butylbenzene	ND 0.83	4.9	µg/Kg 1 4/23/2009 04:54 PM
Styrene	ND 0.88	4.9	µg/Kg 1 4/23/2009 04:54 PM
tert-Butylbenzene	ND 0.60	4.9	µg/Kg 1 4/23/2009 04:54 PM
Tetrachloroethene	ND 1.0	4.9	µg/Kg 1 4/23/2009 04:54 PM
Toluene	ND 0.81	4.9	µg/Kg 1 4/23/2009 04:54 PM
trans-1,2-Dichloroethene	ND 0.97	4.9	µg/Kg 1 4/23/2009 04:54 PM
Trichloroethene	ND 1.9	4.9	µg/Kg 1 4/23/2009 04:54 PM
Trichlorofluoromethane	ND 1.1	4.9	µg/Kg 1 4/23/2009 04:54 PM
Vinyl chloride	ND 0.58	4.9	µg/Kg 1 4/23/2009 04:54 PM
Surr: 1,2-Dichloroethane-d4	113 0	68-147	%REC 1 4/23/2009 04:54 PM
Surr: 4-Bromofluorobenzene	105 0	67-127	%REC 1 4/23/2009 04:54 PM
Surr: Dibromofluoromethane	111 0	72-141	%REC 1 4/23/2009 04:54 PM
Surr: Toluene-d8	114 0	75-120	%REC 1 4/23/2009 04:54 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105148
Project: 207126015
Lab ID: 105148-023E

Client Sample ID: 1001-107-20-S
Collection Date: 4/21/2009 10:40:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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GASOLINE RANGE ORGANICS BY GC/FID

EPA 8015B(M)

RunID: GC2_090422C	QC Batch: E09VS109	PrepDate: 4/21/2009	Analyst: KHN		
GRO	ND 0.14	0.95	mg/Kg	1	4/22/2009 11:37 PM
Surr: Bromofluorobenzene (FID)	107 0	59-145	%REC	1	4/22/2009 11:37 PM

HYDROCARBON CHAIN IDENTIFICATION

EPA 8015B

RunID: GC2_090422C	QC Batch: E09VS109	PrepDate: 4/21/2009	Analyst: KHN		
T/R Hydrocarbons: C4-C12	ND 0.19	0.95	mg/Kg	1	4/22/2009 11:37 PM
Surr: Bromofluorobenzene (FID)	107 0	59-145	%REC	1	4/22/2009 11:37 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105148
Project: 207126015
Lab ID: 105148-024A

Client Sample ID: QCEB
Collection Date: 4/21/2009 10:50:00 AM
Matrix: WATER

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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HEXAVALENT CHROMIUM

EPA 7196A

RunID: WETCHEM3_090421C	QC Batch: R108481				PrepDate: 4/21/2009	Analyst: MFP
Chromium, Hexavalent	ND	0.0086	0.010	mg/L	1	4/21/2009

PH

SM4500-H+B

RunID: PH4_090421A	QC Batch: R108440				PrepDate:	Analyst: FD
pH	5.8	0.10	0.10	H	pH Units	1

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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Advanced Technology Laboratories**ANALYTICAL RESULTS**

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105148
Project: 207126015
Lab ID: 105148-024B

Client Sample ID: QCEB
Collection Date: 4/21/2009 10:50:00 AM
Matrix: WATER

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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ICP METALS**EPA 3010A****EPA 6010B**

RunID: ICP8_090423E	QC Batch: 54886			PrepDate: 4/21/2009	Analyst: CL	
Antimony	ND	0.0042	0.0050	mg/L	1	4/23/2009 05:51 PM
Arsenic	ND	0.0037	0.010	mg/L	1	4/23/2009 05:51 PM
Barium	ND	0.0010	0.0030	mg/L	1	4/23/2009 05:51 PM
Beryllium	ND	0.00086	0.0030	mg/L	1	4/23/2009 05:51 PM
Cadmium	ND	0.00072	0.0030	mg/L	1	4/23/2009 05:51 PM
Chromium	ND	0.00068	0.0030	mg/L	1	4/23/2009 05:51 PM
Cobalt	ND	0.00076	0.0030	mg/L	1	4/23/2009 05:51 PM
Copper	ND	0.0039	0.0050	mg/L	1	4/23/2009 05:51 PM
Lead	ND	0.0046	0.0050	mg/L	1	4/23/2009 05:51 PM
Molybdenum	ND	0.0015	0.0050	mg/L	1	4/23/2009 05:51 PM
Nickel	ND	0.0010	0.0050	mg/L	1	4/23/2009 05:51 PM
Selenium	ND	0.0054	0.010	mg/L	1	4/23/2009 05:51 PM
Silver	ND	0.0010	0.0030	mg/L	1	4/24/2009 03:31 PM
Thallium	ND	0.0036	0.015	mg/L	1	4/23/2009 05:51 PM
Vanadium	ND	0.00049	0.0030	mg/L	1	4/23/2009 05:51 PM
Zinc	ND	0.0023	0.010	mg/L	1	4/23/2009 05:51 PM

MERCURY BY COLD VAPOR TECHNIQUE**EPA 7470A**

RunID: AA5_090422B	QC Batch: 54884			PrepDate: 4/21/2009	Analyst: RQ	
Mercury	ND	0.046	0.20	µg/L	1	4/22/2009 11:29 AM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105148
Project: 207126015
Lab ID: 105148-024C

Client Sample ID: QCEB
Collection Date: 4/21/2009 10:50:00 AM
Matrix: WATER

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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PCBS BY GC/ECD

EPA 3510C

EPA 8082

RunID: GC4_090423A	QC Batch: 54927	PrepDate: 4/22/2009	Analyst: BB			
Aroclor 1016	ND	0.20	0.50	µg/L	1	4/23/2009 01:00 PM
Aroclor 1221	ND	0.20	1.0	µg/L	1	4/23/2009 01:00 PM
Aroclor 1232	ND	0.20	0.50	µg/L	1	4/23/2009 01:00 PM
Aroclor 1242	ND	0.20	0.50	µg/L	1	4/23/2009 01:00 PM
Aroclor 1248	ND	0.20	0.50	µg/L	1	4/23/2009 01:00 PM
Aroclor 1254	ND	0.20	0.50	µg/L	1	4/23/2009 01:00 PM
Aroclor 1260	ND	0.20	0.50	µg/L	1	4/23/2009 01:00 PM
Aroclor 1262	ND	0.20	0.50	µg/L	1	4/23/2009 01:00 PM
Aroclor 1268	ND	0.20	0.50	µg/L	1	4/23/2009 01:00 PM
Surr: Decachlorobiphenyl	72.6	0	29-130	%REC	1	4/23/2009 01:00 PM
Surr: Tetrachloro-m-xylene	94.7	0	48-126	%REC	1	4/23/2009 01:00 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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Advanced Technology Laboratories**ANALYTICAL RESULTS**

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105148
Project: 207126015
Lab ID: 105148-024D

Client Sample ID: QCEB
Collection Date: 4/21/2009 10:50:00 AM
Matrix: WATER

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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DIESEL RANGE ORGANICS BY GC/FID**EPA 3510C****EPA 8015B(M)**

RunID: GC16_090423C	QC Batch: 54952			PrepDate: 4/23/2009	Analyst: CBR
DRO	ND	0.20	0.20	mg/L	1 4/23/2009 06:05 PM
Surr: p-Terphenyl	73.4	0	35-131	%REC	1 4/23/2009 06:05 PM

HYDROCARBON CHAIN IDENTIFICATION**EPA 3510C****EPA 8015B(M)**

RunID: GC16_090423C	QC Batch: 54952			PrepDate: 4/23/2009	Analyst: CBR
T/R Hydrocarbons: C13-C22	ND	0.20	0.20	mg/L	1 4/23/2009 06:05 PM
T/R Hydrocarbons: C23-C32	ND	0.20	0.20	mg/L	1 4/23/2009 06:05 PM
T/R Hydrocarbons:>C32	ND	0.20	0.20	mg/L	1 4/23/2009 06:05 PM
Surr: p-Terphenyl	73.4	0	35-131	%REC	1 4/23/2009 06:05 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105148
Project: 207126015
Lab ID: 105148-024E

Client Sample ID: QCEB
Collection Date: 4/21/2009 10:50:00 AM
Matrix: WATER

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3510C

EPA 8270C

RunID: MS6_090427A	QC Batch: 54957	PrepDate: 4/23/2009	Analyst: DMP			
1,2,4-Trichlorobenzene	ND	2.5	10	µg/L	1	4/27/2009 06:27 PM
1,2-Dichlorobenzene	ND	2.2	10	µg/L	1	4/27/2009 06:27 PM
1,3-Dichlorobenzene	ND	2.1	10	µg/L	1	4/27/2009 06:27 PM
1,4-Dichlorobenzene	ND	2.1	10	µg/L	1	4/27/2009 06:27 PM
2,4,5-Trichlorophenol	ND	2.6	10	µg/L	1	4/27/2009 06:27 PM
2,4,6-Trichlorophenol	ND	2.0	10	µg/L	1	4/27/2009 06:27 PM
2,4-Dichlorophenol	ND	2.5	10	µg/L	1	4/27/2009 06:27 PM
2,4-Dimethylphenol	ND	2.3	10	µg/L	1	4/27/2009 06:27 PM
2,4-Dinitrophenol	ND	1.6	50	µg/L	1	4/27/2009 06:27 PM
2,4-Dinitrotoluene	ND	2.1	10	µg/L	1	4/27/2009 06:27 PM
2,6-Dinitrotoluene	ND	2.8	10	µg/L	1	4/27/2009 06:27 PM
2-Chloronaphthalene	ND	2.2	10	µg/L	1	4/27/2009 06:27 PM
2-Chlorophenol	ND	2.5	10	µg/L	1	4/27/2009 06:27 PM
2-Methylnaphthalene	ND	2.5	10	µg/L	1	4/27/2009 06:27 PM
2-Methylphenol	ND	2.8	10	µg/L	1	4/27/2009 06:27 PM
2-Nitroaniline	ND	2.0	50	µg/L	1	4/27/2009 06:27 PM
2-Nitrophenol	ND	2.9	10	µg/L	1	4/27/2009 06:27 PM
3,3'-Dichlorobenzidine	ND	2.0	20	µg/L	1	4/27/2009 06:27 PM
3-Nitroaniline	ND	1.9	50	µg/L	1	4/27/2009 06:27 PM
4,6-Dinitro-2-methylphenol	ND	2.3	50	µg/L	1	4/27/2009 06:27 PM
4-Bromophenyl-phenylether	ND	2.0	10	µg/L	1	4/27/2009 06:27 PM
4-Chloro-3-methylphenol	ND	2.9	50	µg/L	1	4/27/2009 06:27 PM
4-Chloroaniline	ND	2.2	20	µg/L	1	4/27/2009 06:27 PM
4-Chlorophenyl-phenylether	ND	2.3	10	µg/L	1	4/27/2009 06:27 PM
4-Methylphenol	ND	2.1	10	µg/L	1	4/27/2009 06:27 PM
4-Nitroaniline	ND	2.2	20	µg/L	1	4/27/2009 06:27 PM
4-Nitrophenol	ND	1.2	50	µg/L	1	4/27/2009 06:27 PM
Acenaphthene	ND	2.3	10	µg/L	1	4/27/2009 06:27 PM
Acenaphthylene	ND	2.4	10	µg/L	1	4/27/2009 06:27 PM
Anthracene	ND	2.5	10	µg/L	1	4/27/2009 06:27 PM
Benzidine (M)	ND	2.0	50	µg/L	1	4/27/2009 06:27 PM
Benzo(a)anthracene	ND	2.3	10	µg/L	1	4/27/2009 06:27 PM
Benzo(a)pyrene	ND	2.4	10	µg/L	1	4/27/2009 06:27 PM
Benzo(b)fluoranthene	ND	3.3	10	µg/L	1	4/27/2009 06:27 PM
Benzo(g,h,i)perylene	ND	1.9	10	µg/L	1	4/27/2009 06:27 PM

Qualifiers: B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interference
DO Surrogate Diluted Out
E Value above quantitation range
ND Not Detected at the Reporting Limit
Results are wet unless otherwise specified



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105148
Project: 207126015
Lab ID: 105148-024E

Client Sample ID: QCEB
Collection Date: 4/21/2009 10:50:00 AM
Matrix: WATER

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3510C

EPA 8270C

RunID: MS6_090427A	QC Batch: 54957	PrepDate: 4/23/2009	Analyst: DMP			
Benzo(k)fluoranthene	ND	2.1	10	µg/L	1	4/27/2009 06:27 PM
Benzoic acid	ND	1.5	50	µg/L	1	4/27/2009 06:27 PM
Benzyl alcohol	ND	2.1	20	µg/L	1	4/27/2009 06:27 PM
Bis(2-chloroethoxy)methane	ND	2.4	10	µg/L	1	4/27/2009 06:27 PM
Bis(2-chloroethyl)ether	ND	2.6	10	µg/L	1	4/27/2009 06:27 PM
Bis(2-chloroisopropyl)ether	ND	2.7	10	µg/L	1	4/27/2009 06:27 PM
Bis(2-ethylhexyl)phthalate	ND	2.8	10	µg/L	1	4/27/2009 06:27 PM
Butylbenzylphthalate	ND	2.5	10	µg/L	1	4/27/2009 06:27 PM
Chrysene	ND	2.1	10	µg/L	1	4/27/2009 06:27 PM
Di-n-butylphthalate	ND	2.8	10	µg/L	1	4/27/2009 06:27 PM
Di-n-octylphthalate	ND	2.9	10	µg/L	1	4/27/2009 06:27 PM
Dibenz(a,h)anthracene	ND	1.7	10	µg/L	1	4/27/2009 06:27 PM
Dibenzofuran	ND	2.4	10	µg/L	1	4/27/2009 06:27 PM
Diethylphthalate	ND	2.3	10	µg/L	1	4/27/2009 06:27 PM
Dimethylphthalate	ND	1.9	10	µg/L	1	4/27/2009 06:27 PM
Fluoranthene	ND	2.5	10	µg/L	1	4/27/2009 06:27 PM
Fluorene	ND	2.1	10	µg/L	1	4/27/2009 06:27 PM
Hexachlorobenzene	ND	2.3	10	µg/L	1	4/27/2009 06:27 PM
Hexachlorobutadiene	ND	2.6	20	µg/L	1	4/27/2009 06:27 PM
Hexachlorocyclopentadiene	ND	2.2	10	µg/L	1	4/27/2009 06:27 PM
Hexachloroethane	ND	2.3	10	µg/L	1	4/27/2009 06:27 PM
Indeno(1,2,3-cd)pyrene	ND	1.9	10	µg/L	1	4/27/2009 06:27 PM
Isophorone	ND	2.9	10	µg/L	1	4/27/2009 06:27 PM
N-Nitrosodi-n-propylamine	ND	3.4	10	µg/L	1	4/27/2009 06:27 PM
N-Nitrosodiphenylamine	ND	2.1	10	µg/L	1	4/27/2009 06:27 PM
Naphthalene	ND	2.4	10	µg/L	1	4/27/2009 06:27 PM
Nitrobenzene	ND	2.6	10	µg/L	1	4/27/2009 06:27 PM
Pentachlorophenol	ND	1.8	50	µg/L	1	4/27/2009 06:27 PM
Phenanthrene	ND	2.4	10	µg/L	1	4/27/2009 06:27 PM
Phenol	ND	1.4	10	µg/L	1	4/27/2009 06:27 PM
Pyrene	ND	2.5	10	µg/L	1	4/27/2009 06:27 PM
Surr: 1,2-Dichlorobenzene-d4	76.1	0	42-98	%REC	1	4/27/2009 06:27 PM
Surr: 2,4,6-Tribromophenol	93.7	0	60-128	%REC	1	4/27/2009 06:27 PM
Surr: 2-Chlorophenol-d4	71.4	0	43-102	%REC	1	4/27/2009 06:27 PM
Surr: 2-Fluorobiphenyl	86.6	0	50-108	%REC	1	4/27/2009 06:27 PM

Qualifiers: B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interference
DO Surrogate Diluted Out
E Value above quantitation range
ND Not Detected at the Reporting Limit
Results are wet unless otherwise specified



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Laboratories

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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105148
Project: 207126015
Lab ID: 105148-024E

Client Sample ID: QCEB
Collection Date: 4/21/2009 10:50:00 AM
Matrix: WATER

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS							
EPA 3510C				EPA 8270C			
RunID: MS6_090427A	QC Batch: 54957		PrepDate: 4/23/2009		Analyst: DMP		
Surr: 2-Fluorophenol	42.5	0	22-69	%REC	1	4/27/2009 06:27 PM	
Surr: 4-Terphenyl-d14	116	0	66-130	%REC	1	4/27/2009 06:27 PM	
Surr: Nitrobenzene-d5	83.9	0	47-117	%REC	1	4/27/2009 06:27 PM	
Surr: Phenol-d5	28.1	0	16-50	%REC	1	4/27/2009 06:27 PM	

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference	Results are wet unless otherwise specified	
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105148
Project: 207126015
Lab ID: 105148-024F

Client Sample ID: QCEB
Collection Date: 4/21/2009 10:50:00 AM
Matrix: WATER

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS2_090422A	QC Batch: Q09VW081	PrepDate:	Analyst: SLL
1,1,1,2-Tetrachloroethane	ND 2.5	5.0	µg/L 1 4/22/2009 10:22 AM
1,1,1-Trichloroethane	ND 2.8	5.0	µg/L 1 4/22/2009 10:22 AM
1,1,2,2-Tetrachloroethane	ND 2.8	5.0	µg/L 1 4/22/2009 10:22 AM
1,1,2-Trichloroethane	ND 2.8	5.0	µg/L 1 4/22/2009 10:22 AM
1,1-Dichloroethane	ND 2.7	5.0	µg/L 1 4/22/2009 10:22 AM
1,1-Dichloroethene	ND 2.4	5.0	µg/L 1 4/22/2009 10:22 AM
1,1-Dichloropropene	ND 2.9	5.0	µg/L 1 4/22/2009 10:22 AM
1,2,3-Trichlorobenzene	ND 2.5	5.0	µg/L 1 4/22/2009 10:22 AM
1,2,3-Trichloropropane	ND 3.1	5.0	µg/L 1 4/22/2009 10:22 AM
1,2,4-Trichlorobenzene	ND 2.4	5.0	µg/L 1 4/22/2009 10:22 AM
1,2,4-Trimethylbenzene	ND 2.6	5.0	µg/L 1 4/22/2009 10:22 AM
1,2-Dibromo-3-chloropropane	ND 3.1	5.0	µg/L 1 4/22/2009 10:22 AM
1,2-Dibromoethane	ND 2.7	5.0	µg/L 1 4/22/2009 10:22 AM
1,2-Dichlorobenzene	ND 2.6	5.0	µg/L 1 4/22/2009 10:22 AM
1,2-Dichloroethane	ND 2.7	5.0	µg/L 1 4/22/2009 10:22 AM
1,2-Dichloropropane	ND 2.4	5.0	µg/L 1 4/22/2009 10:22 AM
1,3,5-Trimethylbenzene	ND 2.6	5.0	µg/L 1 4/22/2009 10:22 AM
1,3-Dichlorobenzene	ND 2.7	5.0	µg/L 1 4/22/2009 10:22 AM
1,3-Dichloropropane	ND 3.1	5.0	µg/L 1 4/22/2009 10:22 AM
1,4-Dichlorobenzene	ND 2.8	5.0	µg/L 1 4/22/2009 10:22 AM
2,2-Dichloropropane	ND 4.9	5.0	µg/L 1 4/22/2009 10:22 AM
2-Chlorotoluene	ND 2.6	5.0	µg/L 1 4/22/2009 10:22 AM
4-Chlorotoluene	ND 2.6	5.0	µg/L 1 4/22/2009 10:22 AM
4-Isopropyltoluene	ND 2.9	5.0	µg/L 1 4/22/2009 10:22 AM
Benzene	ND 2.6	5.0	µg/L 1 4/22/2009 10:22 AM
Bromobenzene	ND 2.4	5.0	µg/L 1 4/22/2009 10:22 AM
Bromodichloromethane	ND 2.5	5.0	µg/L 1 4/22/2009 10:22 AM
Bromoform	ND 2.7	5.0	µg/L 1 4/22/2009 10:22 AM
Bromomethane	ND 4.9	5.0	µg/L 1 4/22/2009 10:22 AM
Carbon tetrachloride	ND 2.9	5.0	µg/L 1 4/22/2009 10:22 AM
Chlorobenzene	ND 2.7	5.0	µg/L 1 4/22/2009 10:22 AM
Chloroethane	ND 2.8	5.0	µg/L 1 4/22/2009 10:22 AM
Chloroform	ND 2.8	5.0	µg/L 1 4/22/2009 10:22 AM
Chloromethane	ND 2.9	5.0	µg/L 1 4/22/2009 10:22 AM
cis-1,2-Dichloroethene	ND 2.7	5.0	µg/L 1 4/22/2009 10:22 AM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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Advanced Technology Laboratories**ANALYTICAL RESULTS**

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105148
Project: 207126015
Lab ID: 105148-024F

Client Sample ID: QCEB
Collection Date: 4/21/2009 10:50:00 AM
Matrix: WATER

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS**EPA 8260B**

RunID: MS2_090422A	QC Batch: Q09VW081	PrepDate:	Analyst: SLL			
cis-1,3-Dichloropropene	ND	2.6	5.0	µg/L	1	4/22/2009 10:22 AM
Dibromochloromethane	ND	2.7	5.0	µg/L	1	4/22/2009 10:22 AM
Dibromomethane	ND	3.3	5.0	µg/L	1	4/22/2009 10:22 AM
Dichlorodifluoromethane	ND	2.8	5.0	µg/L	1	4/22/2009 10:22 AM
Ethylbenzene	ND	2.6	5.0	µg/L	1	4/22/2009 10:22 AM
Hexachlorobutadiene	ND	2.6	5.0	µg/L	1	4/22/2009 10:22 AM
Isopropylbenzene	ND	2.5	5.0	µg/L	1	4/22/2009 10:22 AM
m,p-Xylene	ND	5.4	10	µg/L	1	4/22/2009 10:22 AM
Methylene chloride	ND	5.0	5.0	µg/L	1	4/22/2009 10:22 AM
n-Butylbenzene	ND	2.8	5.0	µg/L	1	4/22/2009 10:22 AM
n-Propylbenzene	ND	2.7	5.0	µg/L	1	4/22/2009 10:22 AM
Naphthalene	ND	2.4	5.0	µg/L	1	4/22/2009 10:22 AM
o-Xylene	ND	2.7	5.0	µg/L	1	4/22/2009 10:22 AM
sec-Butylbenzene	ND	2.8	5.0	µg/L	1	4/22/2009 10:22 AM
Styrene	ND	2.5	5.0	µg/L	1	4/22/2009 10:22 AM
tert-Butylbenzene	ND	2.7	5.0	µg/L	1	4/22/2009 10:22 AM
Tetrachloroethene	ND	3.0	5.0	µg/L	1	4/22/2009 10:22 AM
Toluene	ND	2.6	5.0	µg/L	1	4/22/2009 10:22 AM
trans-1,2-Dichloroethene	ND	2.2	5.0	µg/L	1	4/22/2009 10:22 AM
Trichloroethene	ND	2.6	5.0	µg/L	1	4/22/2009 10:22 AM
Trichlorofluoromethane	ND	2.8	5.0	µg/L	1	4/22/2009 10:22 AM
Vinyl chloride	ND	3.1	5.0	µg/L	1	4/22/2009 10:22 AM
Surr: 1,2-Dichloroethane-d4	91.9	0	70-130	%REC	1	4/22/2009 10:22 AM
Surr: 4-Bromofluorobenzene	111	0	70-130	%REC	1	4/22/2009 10:22 AM
Surr: Dibromofluoromethane	103	0	70-130	%REC	1	4/22/2009 10:22 AM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105148
Project: 207126015
Lab ID: 105148-024G

Client Sample ID: QCEB
Collection Date: 4/21/2009 10:50:00 AM
Matrix: WATER

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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GASOLINE RANGE ORGANICS BY GC/FID

EPA 8015B(M)

RunID: GC1_090423A	QC Batch: D09VW067	PrepDate:	Analyst: BD		
GRO	ND 0.050	0.20	mg/L	1	4/23/2009 05:47 PM
Surr: Bromofluorobenzene (FID)	105 0	71-130	%REC	1	4/23/2009 05:47 PM

HYDROCARBON CHAIN IDENTIFICATION

EPA 8015B

RunID: GC1_090423A	QC Batch: D09VW067	PrepDate:	Analyst: BD		
T/R Hydrocarbons: C4-C12	ND 0.050	0.20	mg/L	1	4/23/2009 05:47 PM
Surr: Bromofluorobenzene (FID)	105 0	71-130	%REC	1	4/23/2009 05:47 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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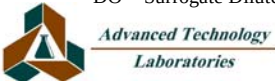
CLIENT: Ninyo & Moore
Work Order: 105148
Project: 207126015

ANALYTICAL QC SUMMARY REPORT
TestCode: 150.1_4500H+B_W

Sample ID: 105148-024ADUP		SampType: DUP		TestCode: 150.1_4500H		Units: pH Units		Prep Date:		RunNo: 108440	
Client ID: QCEB		Batch ID: R108440		TestNo: SM4500-H+B		Analysis Date: 4/21/2009		SeqNo: 1701390			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	5.860	0.10						5.820	0.685	10	H

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



CLIENT: Ninyo & Moore
Work Order: 105148
Project: 207126015

ANALYTICAL QC SUMMARY REPORT

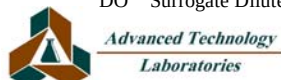
TestCode: 6010_S

Sample ID: MB-54944		SampType: MBLK		TestCode: 6010_S		Units: mg/Kg		Prep Date: 4/23/2009		RunNo: 108487		
Client ID: PBS		Batch ID: 54944		TestNo: EPA 6010B		EPA 3050B		Analysis Date: 4/24/2009		SeqNo: 1702355		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony		ND	2.0									
Arsenic		ND	1.0									
Barium		0.130	1.0									
Beryllium		ND	1.0									
Cadmium		0.017	1.0									
Chromium		0.102	1.0									
Cobalt		ND	1.0									
Copper		ND	2.0									
Lead		0.118	1.0									
Molybdenum		ND	1.0									
Nickel		0.034	1.0									
Selenium		ND	1.0									
Silver		ND	1.0									
Thallium		ND	1.0									
Vanadium		0.053	1.0									
Zinc		0.346	1.0									

Sample ID: 105148-010A	SampType: DUP	TestCode: 6010_S	Units: mg/Kg	Prep Date: 4/23/2009	RunNo: 108487						
Client ID: 1001-108-2-S	Batch ID: 54944	TestNo: EPA 6010B	EPA 3050B	Analysis Date: 4/24/2009	SeqNo: 1702367						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	0.561	2.0						0.3854	0	20	
Arsenic	ND	1.0						0	0	20	
Barium	194.620	1.0						210.8	8.00	20	
Beryllium	ND	1.0						0	0	20	
Cadmium	0.649	1.0						0.6734	0	20	
Chromium	24.298	1.0						25.79	5.96	20	
Cobalt	10.422	1.0						10.59	1.59	20	
Copper	28.545	2.0						29.46	3.17	20	
Lead	0.538	1.0						1.298	0	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



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CLIENT: Ninyo & Moore
Work Order: 105148
Project: 207126015

ANALYTICAL QC SUMMARY REPORT

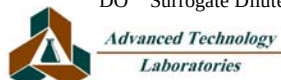
TestCode: 6010_S

Sample ID: 105148-010A	SampType: DUP	TestCode: 6010_S	Units: mg/Kg	Prep Date: 4/23/2009	RunNo: 108487						
Client ID: 1001-108-2-S	Batch ID: 54944	TestNo: EPA 6010B	EPA 3050B	Analysis Date: 4/24/2009	SeqNo: 1702367						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Molybdenum	ND	1.0						0.2229	0	20	
Nickel	18.792	1.0						19.22	2.27	20	
Selenium	ND	1.0						0	0	20	
Silver	ND	1.0						0	0	20	
Thallium	ND	1.0						0	0	20	
Vanadium	57.807	1.0						59.20	2.38	20	
Zinc	58.648	1.0						61.78	5.20	20	

Sample ID: 105148-010AMS	SampType: MS	TestCode: 6010_S	Units: mg/Kg	Prep Date: 4/23/2009	RunNo: 108487						
Client ID: 1001-108-2-S	Batch ID: 54944	TestNo: EPA 6010B	EPA 3050B	Analysis Date: 4/24/2009	SeqNo: 1702368						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	67.227	2.0	125.0	0.3854	53.5	25	106				
Arsenic	89.920	1.0	125.0	0	71.9	42	113				
Barium	263.242	1.0	125.0	210.8	41.9	19	140				
Beryllium	90.697	1.0	125.0	0	72.6	50	109				
Cadmium	89.377	1.0	125.0	0.6734	71.0	48	106				
Chromium	108.348	1.0	125.0	25.79	66.0	44	116				
Cobalt	102.067	1.0	125.0	10.59	73.2	47	107				
Copper	132.595	2.0	125.0	29.46	82.5	49	124				
Lead	88.189	1.0	125.0	1.298	69.5	33	120				
Molybdenum	91.394	1.0	125.0	0.2229	72.9	46	111				
Nickel	108.790	1.0	125.0	19.22	71.7	43	111				
Selenium	89.430	1.0	125.0	0	71.5	43	104				
Silver	101.122	1.0	125.0	0	80.9	53	114				
Thallium	78.075	1.0	125.0	0	62.5	41	107				
Vanadium	152.991	1.0	125.0	59.20	75.0	48	116				
Zinc	146.152	1.0	125.0	61.78	67.5	24	129				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562.989.4045 Fax: 562.989.4040

CLIENT: Ninyo & Moore
Work Order: 105148
Project: 207126015

ANALYTICAL QC SUMMARY REPORT

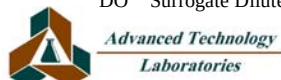
TestCode: 6010_S

Sample ID: 105148-010AMSD	SampType: MSD	TestCode: 6010_S	Units: mg/Kg	Prep Date: 4/23/2009	RunNo: 108487						
Client ID: 1001-108-2-S	Batch ID: 54944	TestNo: EPA 6010B	EPA 3050B	Analysis Date: 4/24/2009	SeqNo: 1702369						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	61.281	2.0	125.0	0.3854	48.7	25	106	67.23	9.25	20	
Arsenic	86.920	1.0	125.0	0	69.5	42	113	89.92	3.39	20	
Barium	302.588	1.0	125.0	210.8	73.4	19	140	263.2	13.9	20	
Beryllium	87.980	1.0	125.0	0	70.4	50	109	90.70	3.04	20	
Cadmium	86.574	1.0	125.0	0.6734	68.7	48	106	89.38	3.19	20	
Chromium	108.589	1.0	125.0	25.79	66.2	44	116	108.3	0.222	20	
Cobalt	99.674	1.0	125.0	10.59	71.3	47	107	102.1	2.37	20	
Copper	133.935	2.0	125.0	29.46	83.6	49	124	132.6	1.01	20	
Lead	85.661	1.0	125.0	1.298	67.5	33	120	88.19	2.91	20	
Molybdenum	88.460	1.0	125.0	0.2229	70.6	46	111	91.39	3.26	20	
Nickel	108.075	1.0	125.0	19.22	71.1	43	111	108.8	0.660	20	
Selenium	86.870	1.0	125.0	0	69.5	43	104	89.43	2.90	20	
Silver	98.207	1.0	125.0	0	78.6	53	114	101.1	2.92	20	
Thallium	74.939	1.0	125.0	0	60.0	41	107	78.07	4.10	20	
Vanadium	157.740	1.0	125.0	59.20	78.8	48	116	153.0	3.06	20	
Zinc	150.238	1.0	125.0	61.78	70.8	24	129	146.2	2.76	20	

Sample ID: LCS-54944	SampType: LCS	TestCode: 6010_S		Units: mg/Kg	Prep Date: 4/23/2009			RunNo: 108487			
Client ID: LCSS	Batch ID: 54944	TestNo: EPA 6010B		EPA 3050B	Analysis Date: 4/24/2009			SeqNo: 1702370			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	49.369	2.0	50.00	0	98.7	80	120				
Arsenic	46.850	1.0	50.00	0	93.7	80	120				
Barium	48.661	1.0	50.00	0.1302	97.1	80	120				
Beryllium	47.845	1.0	50.00	0	95.7	80	120				
Cadmium	49.449	1.0	50.00	0.01686	98.9	80	120				
Chromium	44.257	1.0	50.00	0.1020	88.3	80	120				
Cobalt	49.320	1.0	50.00	0	98.6	80	120				
Copper	47.816	2.0	50.00	0	95.6	80	120				
Lead	49.739	1.0	50.00	0.1182	99.2	80	120				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
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DO	Surrogate Diluted Out		Calculations are based on raw values		



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CLIENT: Ninyo & Moore
Work Order: 105148
Project: 207126015

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: LCS-54944		SampType: LCS	TestCode: 6010_S		Units: mg/Kg	Prep Date: 4/23/2009			RunNo: 108487		
Client ID: LCSS	Batch ID: 54944		TestNo: EPA 6010B		EPA 3050B	Analysis Date: 4/24/2009			SeqNo: 1702370		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Molybdenum	47.380	1.0	50.00	0	94.8	80	120				
Nickel	47.591	1.0	50.00	0.03352	95.1	80	120				
Selenium	48.227	1.0	50.00	0	96.5	80	120				
Silver	48.472	1.0	50.00	0	96.9	80	120				
Thallium	44.384	1.0	50.00	0	88.8	80	120				
Vanadium	48.385	1.0	50.00	0.05263	96.7	80	120				
Zinc	48.977	1.0	50.00	0.3463	97.3	80	120				

Qualifiers:

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ANALYTICAL QC SUMMARY REPORT

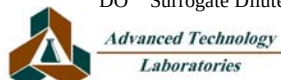
TestCode: 6010_S

Sample ID: MB-54945		SampType: MBLK		TestCode: 6010_S		Units: mg/Kg		Prep Date: 4/23/2009		RunNo: 108536		
Client ID: PBS		Batch ID: 54945		TestNo: EPA 6010B		EPA 3050B		Analysis Date: 4/27/2009		SeqNo: 1703276		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony		ND	2.0									
Arsenic		ND	1.0									
Barium		ND	1.0									
Beryllium		ND	1.0									
Cadmium		ND	1.0									
Chromium		ND	1.0									
Cobalt		ND	1.0									
Copper		ND	2.0									
Lead		ND	1.0									
Molybdenum		ND	1.0									
Nickel		ND	1.0									
Selenium		ND	1.0									
Silver		ND	1.0									
Thallium		ND	1.0									
Vanadium		ND	1.0									
Zinc		ND	1.0									

Sample ID: LCS-54945		SampType: LCS	TestCode: 6010_S		Units: mg/Kg	Prep Date: 4/23/2009			RunNo: 108536		
Client ID: LCSS	Batch ID: 54945		TestNo: EPA 6010B		EPA 3050B	Analysis Date: 4/27/2009			SeqNo: 1703277		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	57.147	2.0	50.00	0	114	80	120				
Arsenic	56.326	1.0	50.00	0	113	80	120				
Barium	58.714	1.0	50.00	0	117	80	120				
Beryllium	57.404	1.0	50.00	0	115	80	120				
Cadmium	57.550	1.0	50.00	0	115	80	120				
Chromium	53.449	1.0	50.00	0	107	80	120				
Cobalt	58.593	1.0	50.00	0	117	80	120				
Copper	58.680	2.0	50.00	0	117	80	120				
Lead	58.038	1.0	50.00	0	116	80	120				

Qualifiers:

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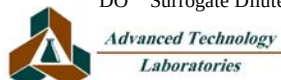
TestCode: 6010_S

Sample ID: LCS-54945		SampType: LCS		TestCode: 6010_S		Units: mg/Kg		Prep Date: 4/23/2009		RunNo: 108536		
Client ID: LCSS		Batch ID: 54945		TestNo: EPA 6010B		EPA 3050B		Analysis Date: 4/27/2009		SeqNo: 1703277		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Molybdenum		59.075	1.0	50.00	0	118	80	120				
Nickel		56.187	1.0	50.00	0	112	80	120				
Selenium		53.542	1.0	50.00	0	107	80	120				
Silver		56.248	1.0	50.00	0	112	80	120				
Thallium		50.823	1.0	50.00	0	102	80	120				
Vanadium		58.604	1.0	50.00	0	117	80	120				
Zinc		56.526	1.0	50.00	0	113	80	120				

Sample ID: 105148-020ADUP		SampType: DUP		TestCode: 6010_S		Units: mg/Kg		Prep Date: 4/23/2009		RunNo: 108536		
Client ID: 1001-107-2-S		Batch ID: 54945		TestNo: EPA 6010B		EPA 3050B		Analysis Date: 4/27/2009		SeqNo: 1703288		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony		ND	2.0						0	0	20	R
Arsenic		0.474	1.0						0.4722	0	20	
Barium		212.908	1.0						199.9	6.29	20	
Beryllium		ND	1.0						0	0	20	
Cadmium		0.661	1.0						0.5744	0	20	
Chromium		31.458	1.0						54.23	53.1	20	
Cobalt		12.451	1.0						13.86	10.7	20	
Copper		33.277	2.0						30.37	9.14	20	
Lead		0.511	1.0						0.5019	0	20	
Molybdenum		ND	1.0						12.64	0	20	
Nickel		23.205	1.0						22.48	3.15	20	
Selenium		ND	1.0						0	0	20	
Silver		ND	1.0						0	0	20	
Thallium		ND	1.0						0	0	20	
Vanadium		69.779	1.0						63.80	8.95	20	
Zinc		70.264	1.0						61.70	13.0	20	

Qualifiers:

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Work Order: 105148
Project: 207126015

ANALYTICAL QC SUMMARY REPORT

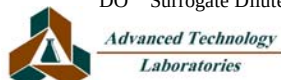
TestCode: 6010_S

Sample ID: 105148-020AMS	SampType: MS	TestCode: 6010_S	Units: mg/Kg	Prep Date: 4/23/2009	RunNo: 108536						
Client ID: 1001-107-2-S	Batch ID: 54945	TestNo: EPA 6010B	EPA 3050B	Analysis Date: 4/27/2009	SeqNo: 1703289						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	80.001	2.0	125.0	0	64.0	25	106				
Arsenic	105.727	1.0	125.0	0.4722	84.2	42	113				
Barium	313.076	1.0	125.0	199.9	90.5	19	140				
Beryllium	106.807	1.0	125.0	0	85.4	50	109				
Cadmium	104.204	1.0	125.0	0.5744	82.9	48	106				
Chromium	128.961	1.0	125.0	54.23	59.8	44	116				
Cobalt	119.333	1.0	125.0	13.86	84.4	47	107				
Copper	154.950	2.0	125.0	30.37	99.7	49	124				
Lead	100.963	1.0	125.0	0.5019	80.4	33	120				
Molybdenum	107.292	1.0	125.0	12.64	75.7	46	111				
Nickel	128.357	1.0	125.0	22.48	84.7	43	111				
Selenium	102.706	1.0	125.0	0	82.2	43	104				
Silver	117.554	1.0	125.0	0	94.0	53	114				
Thallium	92.316	1.0	125.0	0	73.9	41	107				
Vanadium	179.918	1.0	125.0	63.80	92.9	48	116				
Zinc	167.873	1.0	125.0	61.70	84.9	24	129				

Sample ID: 105148-020AMSD	SampType: MSD	TestCode: 6010_S		Units: mg/Kg	Prep Date: 4/23/2009			RunNo: 108536			
Client ID: 1001-107-2-S	Batch ID: 54945	TestNo: EPA 6010B		EPA 3050B	Analysis Date: 4/27/2009			SeqNo: 1703290			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	78.494	2.0	125.0	0	62.8	25	106	80.00	1.90	20	
Arsenic	103.079	1.0	125.0	0.4722	82.1	42	113	105.7	2.54	20	
Barium	306.924	1.0	125.0	199.9	85.6	19	140	313.1	1.98	20	
Beryllium	104.710	1.0	125.0	0	83.8	50	109	106.8	1.98	20	
Cadmium	102.447	1.0	125.0	0.5744	81.5	48	106	104.2	1.70	20	
Chromium	126.500	1.0	125.0	54.23	57.8	44	116	129.0	1.93	20	
Cobalt	117.435	1.0	125.0	13.86	82.9	47	107	119.3	1.60	20	
Copper	153.191	2.0	125.0	30.37	98.3	49	124	154.9	1.14	20	
Lead	100.587	1.0	125.0	0.5019	80.1	33	120	101.0	0.374	20	

Qualifiers:

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ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: 105148-020AMSD		SampType: MSD	TestCode: 6010_S		Units: mg/Kg	Prep Date: 4/23/2009			RunNo: 108536		
Client ID: 1001-107-2-S		Batch ID: 54945	TestNo: EPA 6010B		EPA 3050B	Analysis Date: 4/27/2009			SeqNo: 1703290		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Molybdenum	104.229	1.0	125.0	12.64	73.3	46	111	107.3	2.90	20	
Nickel	126.796	1.0	125.0	22.48	83.4	43	111	128.4	1.22	20	
Selenium	101.350	1.0	125.0	0	81.1	43	104	102.7	1.33	20	
Silver	114.387	1.0	125.0	0	91.5	53	114	117.6	2.73	20	
Thallium	91.466	1.0	125.0	0	73.2	41	107	92.32	0.924	20	
Vanadium	178.742	1.0	125.0	63.80	92.0	48	116	179.9	0.655	20	
Zinc	165.472	1.0	125.0	61.70	83.0	24	129	167.9	1.44	20	

Qualifiers:

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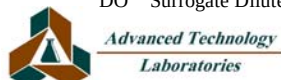
TestCode: 6010_S

Sample ID: MB-54946		SampType: MBLK		TestCode: 6010_S		Units: mg/Kg		Prep Date: 4/23/2009		RunNo: 108538		
Client ID: PBS		Batch ID: 54946		TestNo: EPA 6010B		EPA 3050B		Analysis Date: 4/27/2009		SeqNo: 1703293		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony		ND	2.0									
Arsenic		ND	1.0									
Barium		ND	1.0									
Beryllium		ND	1.0									
Cadmium		ND	1.0									
Chromium		ND	1.0									
Cobalt		ND	1.0									
Copper		ND	2.0									
Lead		ND	1.0									
Molybdenum		ND	1.0									
Nickel		ND	1.0									
Selenium		ND	1.0									
Silver		0.021	1.0									
Thallium		ND	1.0									
Vanadium		ND	1.0									
Zinc		ND	1.0									

Sample ID: LCS-54946		SampType: LCS		TestCode: 6010_S		Units: mg/Kg		Prep Date: 4/23/2009		RunNo: 108538		
Client ID: LCSS		Batch ID: 54946		TestNo: EPA 6010B		EPA 3050B		Analysis Date: 4/27/2009		SeqNo: 1703294		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony		49.714	2.0	50.00	0	99.4	80	120				
Arsenic		48.123	1.0	50.00	0	96.2	80	120				
Barium		52.090	1.0	50.00	0	104	80	120				
Beryllium		50.470	1.0	50.00	0	101	80	120				
Cadmium		50.174	1.0	50.00	0	100	80	120				
Chromium		47.607	1.0	50.00	0	95.2	80	120				
Cobalt		51.510	1.0	50.00	0	103	80	120				
Copper		52.441	2.0	50.00	0	105	80	120				
Lead		51.492	1.0	50.00	0	103	80	120				

Qualifiers:

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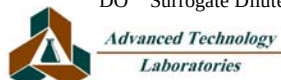
TestCode: 6010_S

Sample ID: LCS-54946		SampType: LCS		TestCode: 6010_S		Units: mg/Kg		Prep Date: 4/23/2009		RunNo: 108538		
Client ID: LCSS		Batch ID: 54946		TestNo: EPA 6010B		EPA 3050B		Analysis Date: 4/27/2009		SeqNo: 1703294		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Molybdenum		51.525	1.0	50.00	0	103	80	120				
Nickel		49.647	1.0	50.00	0	99.3	80	120				
Selenium		46.241	1.0	50.00	0	92.5	80	120				
Silver		50.193	1.0	50.00	0.02104	100	80	120				
Thallium		44.319	1.0	50.00	0	88.6	80	120				
Vanadium		52.465	1.0	50.00	0	105	80	120				
Zinc		49.124	1.0	50.00	0	98.2	80	120				

Sample ID: 105148-023ADUP		SampType: DUP		TestCode: 6010_S		Units: mg/Kg		Prep Date: 4/23/2009		RunNo: 108538	
Client ID: 1001-107-20-S		Batch ID: 54946		TestNo: EPA 6010B		EPA 3050B		Analysis Date: 4/27/2009		SeqNo: 1703298	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	2.0						0	0	20	
Arsenic	0.824	1.0						0	0	20	
Barium	158.143	1.0						143.2	9.92	20	
Beryllium	ND	1.0						0	0	20	
Cadmium	1.126	1.0						0.4519	85.5	20	R
Chromium	21.024	1.0						18.91	10.6	20	
Cobalt	10.875	1.0						8.336	26.4	20	R
Copper	24.537	2.0						21.12	15.0	20	
Lead	1.498	1.0						0.6378	80.5	20	R
Molybdenum	0.559	1.0						0	0	20	
Nickel	15.543	1.0						13.44	14.5	20	
Selenium	ND	1.0						0	0	20	
Silver	ND	1.0						0	0	20	
Thallium	ND	1.0						0	0	20	
Vanadium	56.847	1.0						52.35	8.23	20	
Zinc	52.507	1.0						48.20	8.56	20	

Qualifiers:

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ANALYTICAL QC SUMMARY REPORT

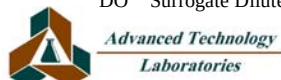
TestCode: 6010_S

Sample ID: 105148-023AMS	SampType: MS	TestCode: 6010_S	Units: mg/Kg	Prep Date: 4/23/2009	RunNo: 108538						
Client ID: 1001-107-20-S	Batch ID: 54946	TestNo: EPA 6010B	EPA 3050B	Analysis Date: 4/27/2009	SeqNo: 1703299						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	79.064	2.0	125.0	0	63.3	25	106				
Arsenic	94.411	1.0	125.0	0	75.5	42	113				
Barium	239.703	1.0	125.0	143.2	77.2	19	140				
Beryllium	100.758	1.0	125.0	0	80.6	50	109				
Cadmium	96.987	1.0	125.0	0.4519	77.2	48	106				
Chromium	111.383	1.0	125.0	18.91	74.0	44	116				
Cobalt	109.227	1.0	125.0	8.336	80.7	47	107				
Copper	137.471	2.0	125.0	21.12	93.1	49	124				
Lead	98.659	1.0	125.0	0.6378	78.4	33	120				
Molybdenum	98.335	1.0	125.0	0	78.7	46	111				
Nickel	113.446	1.0	125.0	13.44	80.0	43	111				
Selenium	92.152	1.0	125.0	0	73.7	43	104				
Silver	107.411	1.0	125.0	0	85.9	53	114				
Thallium	87.686	1.0	125.0	0	70.1	41	107				
Vanadium	155.809	1.0	125.0	52.35	82.8	48	116				
Zinc	142.267	1.0	125.0	48.20	75.3	24	129				

Sample ID: 105148-023AMSD	SampType: MSD	TestCode: 6010_S		Units: mg/Kg	Prep Date: 4/23/2009			RunNo: 108538			
Client ID: 1001-107-20-S	Batch ID: 54946	TestNo: EPA 6010B		EPA 3050B	Analysis Date: 4/27/2009			SeqNo: 1703300			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	85.154	2.0	125.0	0	68.1	25	106	79.06	7.42	20	
Arsenic	100.941	1.0	125.0	0	80.8	42	113	94.41	6.68	20	
Barium	265.642	1.0	125.0	143.2	98.0	19	140	239.7	10.3	20	
Beryllium	106.963	1.0	125.0	0	85.6	50	109	100.8	5.97	20	
Cadmium	102.617	1.0	125.0	0.4519	81.7	48	106	96.99	5.64	20	
Chromium	118.200	1.0	125.0	18.91	79.4	44	116	111.4	5.94	20	
Cobalt	115.736	1.0	125.0	8.336	85.9	47	107	109.2	5.79	20	
Copper	145.308	2.0	125.0	21.12	99.3	49	124	137.5	5.54	20	
Lead	104.798	1.0	125.0	0.6378	83.3	33	120	98.66	6.03	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
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DO	Surrogate Diluted Out		Calculations are based on raw values		



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CLIENT: Ninyo & Moore
Work Order: 105148
Project: 207126015

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: 105148-023AMSD		SampType: MSD	TestCode: 6010_S		Units: mg/Kg	Prep Date: 4/23/2009			RunNo: 108538		
Client ID:	1001-107-20-S	Batch ID: 54946	TestNo: EPA 6010B		EPA 3050B	Analysis Date: 4/27/2009			SeqNo: 1703300		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Molybdenum	105.536	1.0	125.0	0	84.4	46	111	98.33	7.06	20	
Nickel	119.969	1.0	125.0	13.44	85.2	43	111	113.4	5.59	20	
Selenium	98.748	1.0	125.0	0	79.0	43	104	92.15	6.91	20	
Silver	114.569	1.0	125.0	0	91.7	53	114	107.4	6.45	20	
Thallium	92.922	1.0	125.0	0	74.3	41	107	87.69	5.80	20	
Vanadium	166.537	1.0	125.0	52.35	91.3	48	116	155.8	6.66	20	
Zinc	150.076	1.0	125.0	48.20	81.5	24	129	142.3	5.34	20	

Qualifiers:

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ANALYTICAL QC SUMMARY REPORT

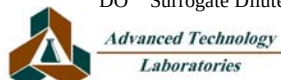
TestCode: 6010_W

Sample ID: MB-54886	SampType: MBLK	TestCode: 6010_W	Units: mg/L	Prep Date: 4/21/2009	RunNo: 108442						
Client ID: PBW	Batch ID: 54886	TestNo: EPA 6010B	EPA 3010A	Analysis Date: 4/23/2009	SeqNo: 1701499						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	0.0050									
Arsenic	ND	0.010									
Barium	ND	0.0030									
Beryllium	ND	0.0030									
Cadmium	ND	0.0030									
Chromium	ND	0.0030									
Cobalt	ND	0.0030									
Copper	ND	0.0050									
Lead	ND	0.0050									
Molybdenum	ND	0.0050									
Nickel	ND	0.0050									
Selenium	ND	0.010									
Thallium	ND	0.015									
Vanadium	ND	0.0030									
Zinc	ND	0.010									

Sample ID: LCS-54886		SampType: LCS		TestCode: 6010_W		Units: mg/L		Prep Date: 4/21/2009		RunNo: 108442		
Client ID: LCSW		Batch ID: 54886		TestNo: EPA 6010B		EPA 3010A		Analysis Date: 4/23/2009		SeqNo: 1701500		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony		0.976	0.0050	1.000	0	97.6	85	115				
Arsenic		0.935	0.010	1.000	0	93.5	85	115				
Barium		0.947	0.0030	1.000	0	94.7	85	115				
Beryllium		0.941	0.0030	1.000	0	94.1	85	115				
Cadmium		0.957	0.0030	1.000	0	95.7	85	115				
Chromium		0.859	0.0030	1.000	0	85.9	85	115				
Cobalt		0.959	0.0030	1.000	0	95.9	85	115				
Copper		0.936	0.0050	1.000	0	93.6	85	115				
Lead		0.900	0.0050	1.000	0	90.0	85	115				
Molybdenum		0.934	0.0050	1.000	0	93.4	85	115				

Qualifiers:

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Work Order: 105148
Project: 207126015

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_W

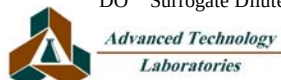
Sample ID: LCS-54886		SampType: LCS	TestCode: 6010_W		Units: mg/L	Prep Date: 4/21/2009			RunNo: 108442			
Client ID: LCSW	Batch ID: 54886		TestNo: EPA 6010B		EPA 3010A	Analysis Date: 4/23/2009			SeqNo: 1701500			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nickel		0.920	0.0050	1.000	0	92.0	85	115				
Selenium		0.934	0.010	1.000	0	93.4	85	115				
Thallium		0.865	0.015	1.000	0	86.5	85	115				
Vanadium		0.941	0.0030	1.000	0	94.1	85	115				
Zinc		0.945	0.010	1.000	0	94.5	85	115				

Sample ID: 105148-024BDUP	SampType: DUP	TestCode: 6010_W	Units: mg/L	Prep Date: 4/21/2009	RunNo: 108442						
Client ID: QCEB	Batch ID: 54886	TestNo: EPA 6010B	EPA 3010A	Analysis Date: 4/23/2009	SeqNo: 1701507						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	0.0050						0	0	20	
Arsenic	ND	0.010						0	0	20	
Barium	ND	0.0030						0	0	20	
Beryllium	ND	0.0030						0	0	20	
Cadmium	ND	0.0030						0	0	20	
Chromium	ND	0.0030						0	0	20	
Cobalt	ND	0.0030						0	0	20	
Copper	ND	0.0050						0	0	20	
Lead	ND	0.0050						0	0	20	
Molybdenum	ND	0.0050						0	0	20	
Nickel	ND	0.0050						0	0	20	
Selenium	ND	0.010						0	0	20	
Thallium	ND	0.015						0	0	20	
Vanadium	ND	0.0030						0	0	20	
Zinc	0.006	0.010						0.004377	0	20	

Sample ID: 105148-024BMS	SampType: MS	TestCode: 6010_W	Units: mg/L	Prep Date: 4/21/2009	RunNo: 108442						
Client ID: QCEB	Batch ID: 54886	TestNo: EPA 6010B	EPA 3010A	Analysis Date: 4/23/2009	SeqNo: 1701508						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
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CLIENT: Ninyo & Moore
Work Order: 105148
Project: 207126015

ANALYTICAL QC SUMMARY REPORT

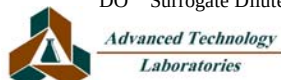
TestCode: 6010_W

Sample ID: 105148-024BMS	SampType: MS	TestCode: 6010_W	Units: mg/L	Prep Date: 4/21/2009	RunNo: 108442						
Client ID: QCEB	Batch ID: 54886	TestNo: EPA 6010B	EPA 3010A	Analysis Date: 4/23/2009	SeqNo: 1701508						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	2.419	0.0050	2.500	0	96.8	64	130				
Arsenic	2.266	0.010	2.500	0	90.6	66	128				
Barium	2.459	0.0030	2.500	0	98.4	60	129				
Beryllium	2.450	0.0030	2.500	0	98.0	77	118				
Cadmium	2.284	0.0030	2.500	0	91.3	72	122				
Chromium	2.200	0.0030	2.500	0	88.0	77	116				
Cobalt	2.412	0.0030	2.500	0	96.5	66	124				
Copper	2.543	0.0050	2.500	0	102	70	130				
Lead	2.163	0.0050	2.500	0	86.5	71	121				
Nickel	2.385	0.0050	2.500	0	95.4	63	125				
Selenium	2.237	0.010	2.500	0	89.5	73	124				
Thallium	2.292	0.015	2.500	0	91.7	66	125				
Vanadium	2.522	0.0030	2.500	0	101	79	118				
Zinc	2.253	0.010	2.500	0.004377	90.0	71	120				

Sample ID: 105148-024BMSD	SampType: MSD	TestCode: 6010_W	Units: mg/L	Prep Date: 4/21/2009	RunNo: 108442						
Client ID: QCEB	Batch ID: 54886	TestNo: EPA 6010B	EPA 3010A	Analysis Date: 4/23/2009	SeqNo: 1701509						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	2.480	0.0050	2.500	0	99.2	64	130	2.419	2.49	20	
Arsenic	2.328	0.010	2.500	0	93.1	66	128	2.266	2.69	20	
Barium	2.516	0.0030	2.500	0	101	60	129	2.459	2.26	20	
Beryllium	2.510	0.0030	2.500	0	100	77	118	2.450	2.39	20	
Cadmium	2.329	0.0030	2.500	0	93.1	72	122	2.284	1.95	20	
Chromium	2.241	0.0030	2.500	0	89.6	77	116	2.200	1.86	20	
Cobalt	2.466	0.0030	2.500	0	98.6	66	124	2.412	2.19	20	
Copper	2.595	0.0050	2.500	0	104	70	130	2.543	2.02	20	
Lead	2.187	0.0050	2.500	0	87.5	71	121	2.163	1.09	20	
Molybdenum	2.469	0.0050	2.500	0	98.8	64	129	2.417	2.14	20	
Nickel	2.423	0.0050	2.500	0	96.9	63	125	2.385	1.59	20	

Qualifiers:

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Project: 207126015

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_W

Sample ID: 105148-024BMSD		SampType: MSD	TestCode: 6010_W		Units: mg/L	Prep Date: 4/21/2009			RunNo: 108442		
Client ID: QCEB	Batch ID: 54886		TestNo: EPA 6010B		EPA 3010A	Analysis Date: 4/23/2009			SeqNo: 1701509		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Selenium	2.280	0.010	2.500	0	91.2	73	124	2.237	1.90	20	
Thallium	2.352	0.015	2.500	0	94.1	66	125	2.292	2.58	20	
Vanadium	2.570	0.0030	2.500	0	103	79	118	2.522	1.89	20	
Zinc	2.294	0.010	2.500	0.004377	91.6	71	120	2.253	1.81	20	

Sample ID: MB-54886	SampType: MBLK	TestCode: 6010_W	Units: mg/L	Prep Date: 4/21/2009	RunNo: 108475						
Client ID: PBW	Batch ID: 54886	TestNo: EPA 6010B	EPA 3010A	Analysis Date: 4/24/2009	SeqNo: 1702106						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Silver	ND	0.0030									

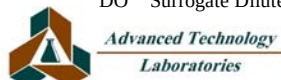
Sample ID: LCS-54886	SampType: LCS	TestCode: 6010_W	Units: mg/L	Prep Date: 4/21/2009	RunNo: 108475						
Client ID: LCSW	Batch ID: 54886	TestNo: EPA 6010B	EPA 3010A	Analysis Date: 4/24/2009	SeqNo: 1702107						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Silver	1.009	0.0030	1.000	0	101	85	115				

Sample ID: 105148-024BDUP	SampType: DUP	TestCode: 6010_W	Units: mg/L	Prep Date: 4/21/2009	RunNo: 108475						
Client ID: QCEB	Batch ID: 54886	TestNo: EPA 6010B	EPA 3010A	Analysis Date: 4/24/2009	SeqNo: 1702112						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Silver	ND	0.0030						0	0	20	

Sample ID: 105148-024BMS	SampType: MS	TestCode: 6010_W	Units: mg/L	Prep Date: 4/21/2009	RunNo: 108475						
Client ID: QCEB	Batch ID: 54886	TestNo: EPA 6010B	EPA 3010A	Analysis Date: 4/24/2009	SeqNo: 1702113						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Silver	2.550	0.0030	2.500	0	102	60	138				

Qualifiers:

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ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_W

Sample ID: 105148-024BMSD		SampType: MSD		TestCode: 6010_W		Units: mg/L		Prep Date: 4/21/2009		RunNo: 108475			
Client ID: QCEB		Batch ID: 54886		TestNo: EPA 6010B		EPA 3010A		Analysis Date: 4/24/2009		SeqNo: 1702114			
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Silver		2.589		0.0030	2.500	0	104	60	138	2.550	1.54	20	

Qualifiers:

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ANALYTICAL QC SUMMARY REPORT

TestCode: 7196_S

Sample ID: 105148-001ADUP	SampType: DUP	TestCode: 7196_S	Units: mg/Kg	Prep Date: 4/27/2009	RunNo: 108559						
Client ID: 1001-110-2-S	Batch ID: 55023	TestNo: EPA 7196A	Analysis Date: 4/27/2009	SeqNo: 1703664							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	ND	0.10						0	0	20	

Sample ID: 105148-001AMS	SampType: MS	TestCode: 7196_S	Units: mg/Kg	Prep Date: 4/27/2009	RunNo: 108559						
Client ID: 1001-110-2-S	Batch ID: 55023	TestNo: EPA 7196A	Analysis Date: 4/27/2009	SeqNo: 1703665							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	5.020	0.10	5.000	0	100	85	115				

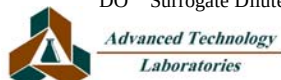
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Client ID: 1001-110-2-S	Batch ID: 55023	TestNo: EPA 7196A	Analysis Date: 4/27/2009	SeqNo: 1703666							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	5.030	0.10	5.000	0	101	85	115	5.020	0.199	20	

Sample ID: LCS-55023	SampType: LCS	TestCode: 7196_S	Units: mg/Kg	Prep Date: 4/27/2009	RunNo: 108559						
Client ID: LCSS	Batch ID: 55023	TestNo: EPA 7196A	Analysis Date: 4/27/2009	SeqNo: 1703676							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	5.080	0.10	5.000	0	102	85	115				

Sample ID: MB-55023	SampType: MBLK	TestCode: 7196_S	Units: mg/Kg	Prep Date: 4/27/2009	RunNo: 108559						
Client ID: PBS	Batch ID: 55023	TestNo: EPA 7196A	Analysis Date: 4/27/2009	SeqNo: 1703677							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	ND	0.10									

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ANALYTICAL QC SUMMARY REPORT

TestCode: 7196_S

Sample ID: 105148-011ADUP	SampType: DUP	TestCode: 7196_S	Units: mg/Kg	Prep Date: 4/27/2009	RunNo: 108561						
Client ID: 1001-108-5-S	Batch ID: 55024	TestNo: EPA 7196A	Analysis Date: 4/27/2009	SeqNo: 1703787							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	ND	0.10						0	0	20	

Sample ID: 105148-011AMS	SampType: MS	TestCode: 7196_S	Units: mg/Kg	Prep Date: 4/27/2009	RunNo: 108561						
Client ID: 1001-108-5-S	Batch ID: 55024	TestNo: EPA 7196A	Analysis Date: 4/27/2009	SeqNo: 1703788							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	5.020	0.10	5.000	0	100	85	115				

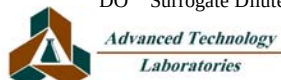
Sample ID: 105148-011AMSD	SampType: MSD	TestCode: 7196_S	Units: mg/Kg	Prep Date: 4/27/2009	RunNo: 108561						
Client ID: 1001-108-5-S	Batch ID: 55024	TestNo: EPA 7196A	Analysis Date: 4/27/2009	SeqNo: 1703789							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	5.070	0.10	5.000	0	101	85	115	5.020	0.991	20	

Sample ID: LCS-55024	SampType: LCS	TestCode: 7196_S	Units: mg/Kg	Prep Date: 4/27/2009	RunNo: 108561						
Client ID: LCSS	Batch ID: 55024	TestNo: EPA 7196A	Analysis Date: 4/27/2009	SeqNo: 1703799							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	5.080	0.10	5.000	0	102	85	115				

Sample ID: MB-55024	SampType: MBLK	TestCode: 7196_S	Units: mg/Kg	Prep Date: 4/27/2009	RunNo: 108561						
Client ID: PBS	Batch ID: 55024	TestNo: EPA 7196A	Analysis Date: 4/27/2009	SeqNo: 1703800							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	ND	0.10									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
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DO	Surrogate Diluted Out		Calculations are based on raw values		



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CLIENT: Ninyo & Moore
Work Order: 105148
Project: 207126015

ANALYTICAL QC SUMMARY REPORT

TestCode: 7196_S

Sample ID: 105148-021ADUP	SampType: DUP	TestCode: 7196_S	Units: mg/Kg	Prep Date: 4/27/2009	RunNo: 108566						
Client ID: 1001-107-5-S	Batch ID: 55025	TestNo: EPA 7196A		Analysis Date: 4/28/2009	SeqNo: 1703822						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	0.120	0.10						0.1000	18.2	20	

Sample ID: 105148-021AMS	SampType: MS	TestCode: 7196_S	Units: mg/Kg	Prep Date: 4/27/2009	RunNo: 108566						
Client ID: 1001-107-5-S	Batch ID: 55025	TestNo: EPA 7196A		Analysis Date: 4/28/2009	SeqNo: 1703823						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	4.990	0.10	5.000	0.1000	97.8	85	115				

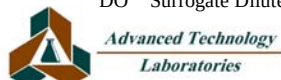
Sample ID: 105148-021AMSD	SampType: MSD	TestCode: 7196_S	Units: mg/Kg	Prep Date: 4/27/2009	RunNo: 108566						
Client ID: 1001-107-5-S	Batch ID: 55025	TestNo: EPA 7196A		Analysis Date: 4/28/2009	SeqNo: 1703824						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	4.810	0.10	5.000	0.1000	94.2	85	115	4.990	3.67	20	

Sample ID: LCS-55025	SampType: LCS	TestCode: 7196_S	Units: mg/Kg	Prep Date: 4/27/2009	RunNo: 108566						
Client ID: LCSS	Batch ID: 55025	TestNo: EPA 7196A		Analysis Date: 4/28/2009	SeqNo: 1703827						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	4.540	0.10	5.000	0	90.8	85	115				

Sample ID: MB-55025	SampType: MBLK	TestCode: 7196_S	Units: mg/Kg	Prep Date: 4/27/2009	RunNo: 108566						
Client ID: PBS	Batch ID: 55025	TestNo: EPA 7196A		Analysis Date: 4/28/2009	SeqNo: 1703828						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	ND	0.10									

Qualifiers:

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DO	Surrogate Diluted Out		Calculations are based on raw values		



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CLIENT: Ninyo & Moore
Work Order: 105148
Project: 207126015

ANALYTICAL QC SUMMARY REPORT

TestCode: 7196_W

Sample ID: 105148-024ADUP	SampType: DUP	TestCode: 7196_W	Units: mg/L	Prep Date: 4/21/2009	RunNo: 108481						
Client ID: QCEB	Batch ID: R108481	TestNo: EPA 7196A		Analysis Date: 4/21/2009	SeqNo: 1702255						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	ND	0.010						0	0	20	

Sample ID: 105148-024AMS	SampType: MS	TestCode: 7196_W	Units: mg/L	Prep Date: 4/21/2009	RunNo: 108481						
Client ID: QCEB	Batch ID: R108481	TestNo: EPA 7196A		Analysis Date: 4/21/2009	SeqNo: 1702256						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	0.505	0.010	0.5000	0	101	85	115				

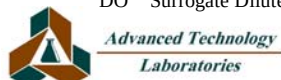
Sample ID: 105148-024AMSD	SampType: MSD	TestCode: 7196_W	Units: mg/L	Prep Date: 4/21/2009	RunNo: 108481						
Client ID: QCEB	Batch ID: R108481	TestNo: EPA 7196A		Analysis Date: 4/21/2009	SeqNo: 1702257						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	0.506	0.010	0.5000	0	101	85	115	0.5050	0.198	20	

Sample ID: LCS-R108481	SampType: LCS	TestCode: 7196_W	Units: mg/L	Prep Date: 4/21/2009	RunNo: 108481						
Client ID: LCSW	Batch ID: R108481	TestNo: EPA 7196A		Analysis Date: 4/21/2009	SeqNo: 1702258						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	0.508	0.010	0.5000	0	102	85	115				

Sample ID: MB-R108481	SampType: MBLK	TestCode: 7196_W	Units: mg/L	Prep Date: 4/21/2009	RunNo: 108481						
Client ID: PBW	Batch ID: R108481	TestNo: EPA 7196A		Analysis Date: 4/21/2009	SeqNo: 1702259						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	ND	0.010									

Qualifiers:

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CLIENT: Ninyo & Moore
Work Order: 105148
Project: 207126015

ANALYTICAL QC SUMMARY REPORT

TestCode: 7470_W

Sample ID: MB-54884		SampType: MBLK	TestCode: 7470_W		Units: µg/L	Prep Date: 4/21/2009			RunNo: 108368		
Client ID: PBW		Batch ID: 54884	TestNo: EPA 7470A			Analysis Date: 4/22/2009			SeqNo: 1700393		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.072	0.20									

Sample ID: LCS-54884	SampType: LCS	TestCode: 7470_W	Units: µg/L	Prep Date: 4/21/2009	RunNo: 108368						
Client ID: LCSW	Batch ID: 54884	TestNo: EPA 7470A		Analysis Date: 4/22/2009	SeqNo: 1700394						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	9.857	0.20	10.00	0.07152	97.9	85	115				

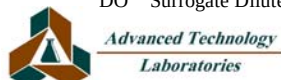
Sample ID: 105148-024B-MS	SampType: MS	TestCode: 7470_W	Units: µg/L	Prep Date: 4/21/2009	RunNo: 108368						
Client ID: QCEB	Batch ID: 54884	TestNo: EPA 7470A		Analysis Date: 4/22/2009	SeqNo: 1700395						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	9.391	0.20	10.00	0	93.9	70	130				

Sample ID: 105148-024B-MSD	SampType: MSD	TestCode: 7470_W	Units: µg/L	Prep Date: 4/21/2009	RunNo: 108368						
Client ID: QCEB	Batch ID: 54884	TestNo: EPA 7470A		Analysis Date: 4/22/2009	SeqNo: 1700396						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	9.138	0.20	10.00	0	91.4	70	130	9.391	2.74	20	

Sample ID: 105131-001B-DUP	SampType: DUP	TestCode: 7470_W	Units: µg/L	Prep Date: 4/21/2009	RunNo: 108368						
Client ID: ZZZZZZ	Batch ID: 54884	TestNo: EPA 7470A		Analysis Date: 4/22/2009	SeqNo: 1700399						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.20						0	0	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
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CLIENT: Ninyo & Moore
Work Order: 105148
Project: 207126015

ANALYTICAL QC SUMMARY REPORT

TestCode: 7471_S

Sample ID: MB-54933		SampType: MBLK		TestCode: 7471_S		Units: mg/Kg		Prep Date: 4/23/2009		RunNo: 108416			
Client ID: PBS		Batch ID: 54933		TestNo: EPA 7471A				Analysis Date: 4/23/2009		SeqNo: 1701014			
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury		ND		0.10									

Sample ID: LCS-54933	SampType: LCS	TestCode: 7471_S	Units: mg/Kg	Prep Date: 4/23/2009	RunNo: 108416						
Client ID: LCSS	Batch ID: 54933	TestNo: EPA 7471A		Analysis Date: 4/23/2009	SeqNo: 1701015						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.947	0.10	0.8300	0	114	80	120				

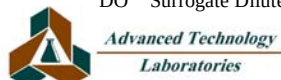
Sample ID: 105148-010A-MS	SampType: MS	TestCode: 7471_S	Units: mg/Kg	Prep Date: 4/23/2009	RunNo: 108416						
Client ID: 1001-108-2-S	Batch ID: 54933	TestNo: EPA 7471A		Analysis Date: 4/23/2009	SeqNo: 1701016						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.993	0.10	0.8300	0.02922	116	70	130				

Sample ID: 105148-010A-MSD	SampType: MSD	TestCode: 7471_S	Units: mg/Kg	Prep Date: 4/23/2009	RunNo: 108416						
Client ID: 1001-108-2-S	Batch ID: 54933	TestNo: EPA 7471A		Analysis Date: 4/23/2009	SeqNo: 1701017						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.995	0.10	0.8300	0.02922	116	70	130	0.9925	0.213	20	

Sample ID: 105148-010A-DUP	SampType: DUP	TestCode: 7471_S	Units: mg/Kg	Prep Date: 4/23/2009	RunNo: 108416						
Client ID: 1001-108-2-S	Batch ID: 54933	TestNo: EPA 7471A		Analysis Date: 4/23/2009	SeqNo: 1701019						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.028	0.10						0.02922	0	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
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CLIENT: Ninyo & Moore
Work Order: 105148
Project: 207126015

ANALYTICAL QC SUMMARY REPORT

TestCode: 7471_S

Sample ID: MB-54934		SampType: MBLK		TestCode: 7471_S		Units: mg/Kg		Prep Date: 4/23/2009		RunNo: 108417			
Client ID: PBS		Batch ID: 54934		TestNo: EPA 7471A				Analysis Date: 4/23/2009		SeqNo: 1701029			
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury		ND		0.10									

Sample ID: LCS-54934	SampType: LCS	TestCode: 7471_S	Units: mg/Kg	Prep Date: 4/23/2009	RunNo: 108417						
Client ID: LCSS	Batch ID: 54934	TestNo: EPA 7471A		Analysis Date: 4/23/2009	SeqNo: 1701030						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.882	0.10	0.8300	0	106	80	120				

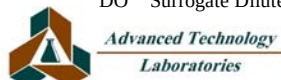
Sample ID: 105148-020A-MS	SampType: MS	TestCode: 7471_S	Units: mg/Kg	Prep Date: 4/23/2009	RunNo: 108417						
Client ID: 1001-107-2-S	Batch ID: 54934	TestNo: EPA 7471A		Analysis Date: 4/23/2009	SeqNo: 1701031						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.937	0.10	0.8300	0.02494	110	70	130				

Sample ID: 105148-020A-MSD	SampType: MSD	TestCode: 7471_S	Units: mg/Kg	Prep Date: 4/23/2009	RunNo: 108417						
Client ID: 1001-107-2-S	Batch ID: 54934	TestNo: EPA 7471A		Analysis Date: 4/23/2009	SeqNo: 1701032						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.915	0.10	0.8300	0.02494	107	70	130	0.9374	2.44	20	

Sample ID: 105148-020A-DUP	SampType: DUP	TestCode: 7471_S	Units: mg/Kg	Prep Date: 4/23/2009	RunNo: 108417						
Client ID: 1001-107-2-S	Batch ID: 54934	TestNo: EPA 7471A		Analysis Date: 4/23/2009	SeqNo: 1701034						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.025	0.10						0.02494	0	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
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Work Order: 105148
Project: 207126015

ANALYTICAL QC SUMMARY REPORT

TestCode: 7471_S

Sample ID: MB-54935		SampType: MBLK		TestCode: 7471_S		Units: mg/Kg		Prep Date: 4/23/2009		RunNo: 108419			
Client ID: PBS		Batch ID: 54935		TestNo: EPA 7471A				Analysis Date: 4/23/2009		SeqNo: 1701055			
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury		ND		0.10									

Sample ID: 105148-023A-MS	SampType: MS	TestCode: 7471_S	Units: mg/Kg	Prep Date: 4/23/2009	RunNo: 108419						
Client ID: 1001-107-20-S	Batch ID: 54935	TestNo: EPA 7471A		Analysis Date: 4/23/2009	SeqNo: 1701056						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	1.009	0.10	0.8300	0	122	70	130				

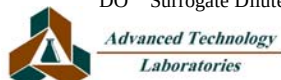
Sample ID: 105148-023A-MSD	SampType: MSD	TestCode: 7471_S	Units: mg/Kg	Prep Date: 4/23/2009	RunNo: 108419						
Client ID: 1001-107-20-S	Batch ID: 54935	TestNo: EPA 7471A		Analysis Date: 4/23/2009	SeqNo: 1701057						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.947	0.10	0.8300	0	114	70	130	1.009	6.35	20	

Sample ID: LCS-54935	SampType: LCS	TestCode: 7471_S	Units: mg/Kg	Prep Date: 4/23/2009	RunNo: 108419						
Client ID: LCSS	Batch ID: 54935	TestNo: EPA 7471A		Analysis Date: 4/23/2009	SeqNo: 1701059						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.837	0.10	0.8300	0	101	80	120				

Sample ID: 105148-023A-DUP	SampType: DUP	TestCode: 7471_S	Units: mg/Kg	Prep Date: 4/23/2009	RunNo: 108419						
Client ID: 1001-107-20-S	Batch ID: 54935	TestNo: EPA 7471A		Analysis Date: 4/23/2009	SeqNo: 1701060						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.10						0	0	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
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DO	Surrogate Diluted Out		Calculations are based on raw values		



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Work Order: 105148
Project: 207126015

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_DSL H

Sample ID: LCS-54917	SampType: LCS	TestCode: 8015_S_DSL	Units: mg/Kg	Prep Date: 4/23/2009	RunNo: 108445						
Client ID: LCSS	Batch ID: 54917	TestNo: EPA 8015B(M LUFT	Analysis Date: 4/23/2009	SeqNo: 1702656							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	1232.700	10	1000	10.00	122	81	128				
Surr: p-Terphenyl	90.850		80.00		114	57	144				

Sample ID: MB-54917	SampType: MBLK	TestCode: 8015_S_DSL	Units: mg/Kg	Prep Date: 4/23/2009	RunNo: 108445						
Client ID: PBS	Batch ID: 54917	TestNo: EPA 8015B(M LUFT	Analysis Date: 4/23/2009	SeqNo: 1702657							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	10.000	10									
Surr: p-Terphenyl	79.410		80.00		99.3	57	144				

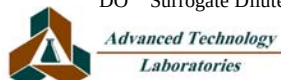
Sample ID: 105148-021AMS	SampType: MS	TestCode: 8015_S_DSL	Units: mg/Kg	Prep Date: 4/23/2009	RunNo: 108445						
Client ID: 1001-107-5-S	Batch ID: 54917	TestNo: EPA 8015B(M LUFT	Analysis Date: 4/23/2009	SeqNo: 1702658							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	1127.700	10	1000	0	113	58	145				
Surr: p-Terphenyl	70.370		80.00		88.0	57	144				

Sample ID: 105148-021AMSD	SampType: MSD	TestCode: 8015_S_DSL	Units: mg/Kg	Prep Date: 4/23/2009	RunNo: 108445						
Client ID: 1001-107-5-S	Batch ID: 54917	TestNo: EPA 8015B(M LUFT	Analysis Date: 4/23/2009	SeqNo: 1702659							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	988.540	10	1000	0	98.9	58	145	1128	13.2	20	
Surr: p-Terphenyl	62.710		80.00		78.4	57	144		0	0	

Sample ID: 105148-021ADUP	SampType: DUP	TestCode: 8015_S_DSL	Units: mg/Kg	Prep Date: 4/23/2009	RunNo: 108445						
Client ID: 1001-107-5-S	Batch ID: 54917	TestNo: EPA 8015B(M LUFT	Analysis Date: 4/23/2009	SeqNo: 1702660							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	ND	10						0	0	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



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CLIENT: Ninyo & Moore
Work Order: 105148
Project: 207126015

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_DSL H

Sample ID: 105148-021ADUP		SampType: DUP		TestCode: 8015_S_DSL		Units: mg/Kg		Prep Date: 4/23/2009			RunNo: 108445		
Client ID: 1001-107-5-S		Batch ID: 54917		TestNo: EPA 8015B(M LUFT		Analysis Date: 4/23/2009			SeqNo: 1702660				
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: p-Terphenyl		79.240			80.00		99.0	57	144		0	0	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



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ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_DSL H

Sample ID: LCS-54920		SampType: LCS	TestCode: 8015_S_DSL		Units: mg/Kg	Prep Date: 4/22/2009			RunNo: 108637			
Client ID: LCSS		Batch ID: 54920	TestNo: EPA 8015B(M LUFT			Analysis Date: 4/30/2009			SeqNo: 1704674			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO		907.964	10	1000	0	90.8	81	128				
Surr: p-Terphenyl		80.652		80.00		101	57	144				

Sample ID: 105148-008AMS	SampType: MS	TestCode: 8015_S_DSL	Units: mg/Kg	Prep Date: 4/22/2009	RunNo: 108637						
Client ID: 1001-109-10-S	Batch ID: 54920	TestNo: EPA 8015B(M LUFT	Analysis Date: 4/30/2009	SeqNo: 1704675							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	909.973	10	1000	0	91.0	58	145				
Surr: p-Terphenyl	78.880		80.00		98.6	57	144				

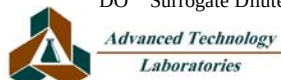
Sample ID: 105148-008AMSD	SampType: MSD	TestCode: 8015_S_DSL	Units: mg/Kg	Prep Date: 4/22/2009	RunNo: 108637						
Client ID: 1001-109-10-S	Batch ID: 54920	TestNo: EPA 8015B(M LUFT	Analysis Date: 4/30/2009	SeqNo: 1704676							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	887.823	10	1000	0	88.8	58	145	910.0	2.46	20	
Surr: p-Terphenyl	76.187		80.00		95.2	57	144		0	0	

Sample ID: MB-54920		SampType: MBLK		TestCode: 8015_S_DSL		Units: mg/Kg		Prep Date: 4/22/2009		RunNo: 108637			
Client ID: PBS		Batch ID: 54920		TestNo: EPA 8015B(M LUFT				Analysis Date: 4/30/2009		SeqNo: 1704677			
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO		ND		10									
Surr: p-Terphenyl		77.732			80.00		97.2	57	144				

Sample ID: 105148-008ADUP	SampType: DUP	TestCode: 8015_S_DSL	Units: mg/Kg	Prep Date: 4/22/2009	RunNo: 108637						
Client ID: 1001-109-10-S	Batch ID: 54920	TestNo: EPA 8015B(M LUFT	Analysis Date: 4/30/2009	SeqNo: 1704696							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	ND	10						0	0	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



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ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_DSL H

Sample ID: 105148-008ADUP	SampType: DUP	TestCode: 8015_S_DSL	Units: mg/Kg	Prep Date: 4/22/2009	RunNo: 108637						
Client ID: 1001-109-10-S	Batch ID: 54920	TestNo: EPA 8015B(M LUFT	Analysis Date: 4/30/2009	SeqNo: 1704696							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: p-Terphenyl	77.999		80.00		97.5	57	144		0	0	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



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ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_DSL H

Sample ID: LCS-54921	SampType: LCS	TestCode: 8015_S_DSL	Units: mg/Kg	Prep Date: 4/22/2009	RunNo: 108505						
Client ID: LCSS	Batch ID: 54921	TestNo: EPA 8015B(M LUFT	Analysis Date: 4/23/2009	SeqNo: 1702802							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	1252.430	10	1000	0	125	81	128				
Surr: p-Terphenyl	86.010		80.00		108	57	144				

Sample ID: MB-54921		SampType: MBLK		TestCode: 8015_S_DSL		Units: mg/Kg		Prep Date: 4/22/2009		RunNo: 108505			
Client ID: PBS		Batch ID: 54921		TestNo: EPA 8015B(M LUFT				Analysis Date: 4/23/2009		SeqNo: 1702803			
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO		ND		10									
Surr: p-Terphenyl		98.990			80.00		124	57	144				

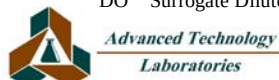
Sample ID: 105148-011AMS	SampType: MS	TestCode: 8015_S_DSL	Units: mg/Kg	Prep Date: 4/22/2009	RunNo: 108505						
Client ID: 1001-108-5-S	Batch ID: 54921	TestNo: EPA 8015B(M LUFT	Analysis Date: 4/23/2009	SeqNo: 1702804							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	1262.470	10	1000	0	126	58	145				
Surr: p-Terphenyl	81.890		80.00		102	57	144				

Sample ID: 105148-011AMSD	SampType: MSD	TestCode: 8015_S_DSL	Units: mg/Kg	Prep Date: 4/22/2009	RunNo: 108505						
Client ID: 1001-108-5-S	Batch ID: 54921	TestNo: EPA 8015B(M LUFT	Analysis Date: 4/23/2009	SeqNo: 1702805							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	1362.710	10	1000	0	136	58	145	1262	7.64	20	
Surr: p-Terphenyl	86.920		80.00		109	57	144		0	0	

Sample ID: 105148-011ADUP	SampType: DUP	TestCode: 8015_S_DSL	Units: mg/Kg	Prep Date: 4/22/2009	RunNo: 108505						
Client ID: 1001-108-5-S	Batch ID: 54921	TestNo: EPA 8015B(M LUFT	Analysis Date: 4/27/2009	SeqNo: 1702873							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	10.940	10						0	200	20	R

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
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DO	Surrogate Diluted Out		Calculations are based on raw values		



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ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_DSL H

Sample ID: 105148-011ADUP		SampType: DUP		TestCode: 8015_S_DSL		Units: mg/Kg		Prep Date: 4/22/2009			RunNo: 108505		
Client ID: 1001-108-5-S		Batch ID: 54921		TestNo: EPA 8015B(M LUFT		Analysis Date: 4/27/2009			SeqNo: 1702873				
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: p-Terphenyl		95.250			80.00		119	57	144		0	0	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
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ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_G 5035P

Sample ID: E090422LCS1	SampType: LCS	TestCode: 8015_S_G 50	Units: mg/Kg	Prep Date:	RunNo: 108452						
Client ID: LCSS	Batch ID: E09VS107	TestNo: EPA 8015B(M	Analysis Date: 4/22/2009	SeqNo: 1701869							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	4.848	1.0	5.000	0	97.0	73	120				
Surr: Bromofluorobenzene (FID)	100.568		100.0		101	59	145				

Sample ID: E090422MB1MS	SampType: MS	TestCode: 8015_S_G 50	Units: mg/Kg	Prep Date:	RunNo: 108452						
Client ID: ZZZZZZ	Batch ID: E09VS107	TestNo: EPA 8015B(M		Analysis Date: 4/22/2009	SeqNo: 1701870						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	4.790	1.0	5.000	0	95.8	39	135				
Surr: Bromofluorobenzene (FID)	97.074		100.0		97.1	59	145				

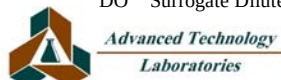
Sample ID: E090422MB1MSD	SampType: MSD	TestCode: 8015_S_G 50	Units: mg/Kg	Prep Date:	RunNo: 108452						
Client ID: ZZZZZZ	Batch ID: E09VS107	TestNo: EPA 8015B(M		Analysis Date: 4/22/2009	SeqNo: 1701871						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	4.809	1.0	5.000	0	96.2	39	135	4.790	0.396	20	
Surr: Bromofluorobenzene (FID)	98.905		100.0		98.9	59	145		0	0	

Sample ID: E090422MB1		SampType: MBLK		TestCode: 8015_S_G 50		Units: mg/Kg		Prep Date:		RunNo: 108452			
Client ID: PBS		Batch ID: E09VS107		TestNo: EPA 8015B(M				Analysis Date: 4/22/2009		SeqNo: 1701872			
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO		ND		1.0									
Surr: Bromofluorobenzene (FID)		98.771			100.0		98.8	59	145				

Sample ID: 105148-001FDUP	SampType: DUP	TestCode: 8015_S_G 50	Units: mg/Kg	Prep Date: 4/21/2009	RunNo: 108452						
Client ID: 1001-110-2-S	Batch ID: E09VS107	TestNo: EPA 8015B(M		Analysis Date: 4/22/2009	SeqNo: 1701874						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	ND	0.90						0	0	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



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ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_G 5035P

Sample ID: 105148-001FDUP	SampType: DUP	TestCode: 8015_S_G 50	Units: mg/Kg	Prep Date: 4/21/2009	RunNo: 108452						
Client ID: 1001-110-2-S	Batch ID: E09VS107	TestNo: EPA 8015B(M		Analysis Date: 4/22/2009	SeqNo: 1701874						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Bromofluorobenzene (FID)	79.496		90.09		88.2	59	145		0	0	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



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ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_G 5035P

Sample ID: E090422LCS3	SampType: LCS	TestCode: 8015_S_G 50	Units: mg/Kg	Prep Date:	RunNo: 108453						
Client ID: LCSS	Batch ID: E09VS108	TestNo: EPA 8015B(M	Analysis Date: 4/22/2009	SeqNo: 1701887							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	4.834	1.0	5.000	0	96.7	73	120				
Surr: Bromofluorobenzene (FID)	98.072		100.0		98.1	59	145				

Sample ID: E090422MB2MS	SampType: MS	TestCode: 8015_S_G 50	Units: mg/Kg	Prep Date:	RunNo: 108453						
Client ID: ZZZZZZ	Batch ID: E09VS108	TestNo: EPA 8015B(M		Analysis Date: 4/22/2009	SeqNo: 1701888						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	4.927	1.0	5.000	0	98.5	39	135				
Surr: Bromofluorobenzene (FID)	100.932		100.0		101	59	145				

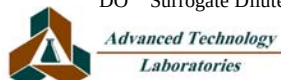
Sample ID: E090422MB2MSD	SampType: MSD	TestCode: 8015_S_G 50	Units: mg/Kg	Prep Date:				RunNo: 108453			
Client ID: ZZZZZZ	Batch ID: E09VS108	TestNo: EPA 8015B(M	Analysis Date: 4/22/2009				SeqNo: 1701889				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	4.813	1.0	5.000	0	96.3	39	135	4.927	2.34	20	
Surr: Bromofluorobenzene (FID)	100.306		100.0		100	59	145		0	0	

Sample ID: E090422MB2		SampType: MBLK		TestCode: 8015_S_G 50		Units: mg/Kg		Prep Date:		RunNo: 108453			
Client ID: PBS		Batch ID: E09VS108		TestNo: EPA 8015B(M				Analysis Date: 4/22/2009		SeqNo: 1701890			
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO		ND		1.0									
Surr: Bromofluorobenzene (FID)		97.623			100.0		97.6	59	145				

Sample ID: 105148-011FDUP	SampType: DUP	TestCode: 8015_S_G 50	Units: mg/Kg	Prep Date: 4/21/2009	RunNo: 108453						
Client ID: 1001-108-5-S	Batch ID: E09VS108	TestNo: EPA 8015B(M		Analysis Date: 4/22/2009	SeqNo: 1701893						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	ND	0.92						0	0	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



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ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_G 5035P

Sample ID: 105148-011FDUP	SampType: DUP	TestCode: 8015_S_G 50	Units: mg/Kg	Prep Date: 4/21/2009	RunNo: 108453						
Client ID: 1001-108-5-S	Batch ID: E09VS108	TestNo: EPA 8015B(M	Analysis Date: 4/22/2009	SeqNo: 1701893							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Bromofluorobenzene (FID)	97.039		91.91		106	59	145		0	0	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



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ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_G 5035P

Sample ID: E090422LCS5	SampType: LCS	TestCode: 8015_S_G 50	Units: mg/Kg	Prep Date:	RunNo: 108459						
Client ID: LCSS	Batch ID: E09VS109	TestNo: EPA 8015B(M	Analysis Date: 4/22/2009	SeqNo: 1701902							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	4.602	1.0	5.000	0	92.0	73	120				
Surr: Bromofluorobenzene (FID)	99.926		100.0		99.9	59	145				

Sample ID: E090422MB3MS	SampType: MS	TestCode: 8015_S_G 50	Units: mg/Kg	Prep Date:	RunNo: 108459						
Client ID: ZZZZZZ	Batch ID: E09VS109	TestNo: EPA 8015B(M		Analysis Date: 4/22/2009	SeqNo: 1701903						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	4.602	1.0	5.000	0	92.0	39	135				
Surr: Bromofluorobenzene (FID)	99.102		100.0		99.1	59	145				

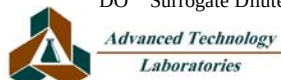
Sample ID: E090422MB3MSD	SampType: MSD	TestCode: 8015_S_G 50	Units: mg/Kg	Prep Date:	RunNo: 108459						
Client ID: ZZZZZZ	Batch ID: E09VS109	TestNo: EPA 8015B(M		Analysis Date: 4/22/2009	SeqNo: 1701904						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	4.632	1.0	5.000	0	92.6	39	135	4.602	0.650	20	
Surr: Bromofluorobenzene (FID)	95.878		100.0		95.9	59	145		0	0	

Sample ID: E090422MB3		SampType: MBLK		TestCode: 8015_S_G 50		Units: mg/Kg		Prep Date:		RunNo: 108459			
Client ID: PBS		Batch ID: E09VS109		TestNo: EPA 8015B(M				Analysis Date: 4/22/2009		SeqNo: 1701905			
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO		ND		1.0									
Surr: Bromofluorobenzene (FID)		101.413			100.0		101	59	145				

Sample ID: 105148-021FDUP	SampType: DUP	TestCode: 8015_S_G 50	Units: mg/Kg	Prep Date: 4/21/2009	RunNo: 108459						
Client ID: 1001-107-5-S	Batch ID: E09VS109	TestNo: EPA 8015B(M		Analysis Date: 4/22/2009	SeqNo: 1701908						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	ND	0.94						0	0	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



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Work Order: 105148
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ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_G 5035P

Sample ID: 105148-021FDUP	SampType: DUP	TestCode: 8015_S_G 50	Units: mg/Kg	Prep Date: 4/21/2009	RunNo: 108459						
Client ID: 1001-107-5-S	Batch ID: E09VS109	TestNo: EPA 8015B(M	Analysis Date: 4/22/2009	SeqNo: 1701908							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Bromofluorobenzene (FID)	98.814		94.34		105	59	145		0	0	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



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CLIENT: Ninyo & Moore
Work Order: 105148
Project: 207126015

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_W_DSL H

Sample ID: MB-54952MSD	SampType: MSD	TestCode: 8015_W_DSL	Units: mg/L	Prep Date: 4/23/2009	RunNo: 108461						
Client ID: ZZZZZZ	Batch ID: 54952	TestNo: EPA 8015B(M	EPA 3510C	Analysis Date: 4/23/2009	SeqNo: 1702052						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	1.222	0.20	1.000	0	122	42	118	1.218	0.288	20	S
Surr: p-Terphenyl	0.049		0.08000		61.3	35	131		0	0	

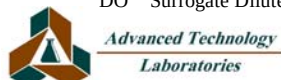
Sample ID: MB-54952	SampType: MBLK	TestCode: 8015_W_DSL	Units: mg/L	Prep Date: 4/23/2009	RunNo: 108461						
Client ID: PBW	Batch ID: 54952	TestNo: EPA 8015B(M EPA 3510C	Analysis Date: 4/23/2009	SeqNo: 1702053							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	ND	0.20									
Surr: p-Terphenyl	0.051		0.08000		64.2	35	131				

Sample ID: MB-54952MS	SampType: MS	TestCode: 8015_W_DSL	Units: mg/L	Prep Date: 4/23/2009	RunNo: 108461						
Client ID: ZZZZZZ	Batch ID: 54952	TestNo: EPA 8015B(M EPA 3510C	Analysis Date: 4/23/2009	SeqNo: 1702054							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	1.219	0.20	1.000	0	122	42	118				S
Surr: p-Terphenyl	0.053		0.08000		65.9	35	131				

Sample ID: LCS-54952		SampType: LCS	TestCode: 8015_W_DSL Units: mg/L			Prep Date: 4/23/2009			RunNo: 108461			
Client ID: LCSW		Batch ID: 54952	TestNo: EPA 8015B(M EPA 3510C			Analysis Date: 4/23/2009			SeqNo: 1702055			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO		1.102	0.20	1.000	0	110	42	118				
Surr: p-Terphenyl		0.048		0.08000		59.6	35	131				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



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ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_W_G PRES

Sample ID: D090423LCS	SampType: LCS	TestCode: 8015_W_G P	Units: mg/L	Prep Date:	RunNo: 108450						
Client ID: LCSW	Batch ID: D09VW067	TestNo: EPA 8015B(M		Analysis Date: 4/23/2009	SeqNo: 1701675						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.945	0.20	1.000	0	94.5	69	125				
Surr: Bromofluorobenzene (FID)	101.914		100.0		102	71	130				

Sample ID: D090423MB2MS	SampType: MS	TestCode: 8015_W_G P	Units: mg/L	Prep Date:	RunNo: 108450						
Client ID: ZZZZZZ	Batch ID: D09VW067	TestNo: EPA 8015B(M		Analysis Date: 4/23/2009	SeqNo: 1701676						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.861	0.20	1.000	0	86.1	69	125				
Surr: Bromofluorobenzene (FID)	100.900		100.0		101	71	130				

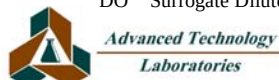
Sample ID: D090424MB2MSD	SampType: MSD	TestCode: 8015_W_G P	Units: mg/L	Prep Date:				RunNo: 108450			
Client ID: ZZZZZZ	Batch ID: D09VW067	TestNo: EPA 8015B(M	Analysis Date: 4/23/2009				SeqNo: 1701677				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.900	0.20	1.000	0	90.0	69	125	0	0	20	
Surr: Bromofluorobenzene (FID)	99.676		100.0		99.7	71	130		0	0	

Sample ID: D090423MB2	SampType: MBLK	TestCode: 8015_W_G P	Units: mg/L	Prep Date:	RunNo: 108450						
Client ID: PBW	Batch ID: D09VW067	TestNo: EPA 8015B(M		Analysis Date: 4/23/2009	SeqNo: 1701678						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	ND	0.20									
Surr: Bromofluorobenzene (FID)	104.012		100.0		104	71	130				

Sample ID: 105148-024GDUP	SampType: DUP	TestCode: 8015_W_G P	Units: mg/L	Prep Date:	RunNo: 108450						
Client ID: QCEB	Batch ID: D09VW067	TestNo: EPA 8015B(M		Analysis Date: 4/23/2009	SeqNo: 1701680						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	ND	0.20						0	0	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



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ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_W_G PRES

Sample ID: 105148-024GDUP		SampType: DUP	TestCode: 8015_W_G P			Units: mg/L		Prep Date:		RunNo: 108450	
Client ID: QCEB		Batch ID: D09VW067		TestNo: EPA 8015B(M			Analysis Date: 4/23/2009		SeqNo: 1701680		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Bromofluorobenzene (FID)	101.016		100.0		101	71	130		0	0	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



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ANALYTICAL QC SUMMARY REPORT

TestCode: 8082_S

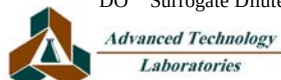
Sample ID: MB-54965	SampType: MBLK	TestCode: 8082_S	Units: µg/Kg	Prep Date: 4/23/2009	RunNo: 108462						
Client ID: PBS	Batch ID: 54965	TestNo: EPA 8082	EPA 3550B	Analysis Date: 4/24/2009	SeqNo: 1701836						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	16									
Aroclor 1221	ND	33									
Aroclor 1232	ND	16									
Aroclor 1242	ND	16									
Aroclor 1248	ND	16									
Aroclor 1254	ND	16									
Aroclor 1260	ND	16									
Aroclor 1262	ND	16									
Aroclor 1268	ND	16									
Surr: Decachlorobiphenyl	11.059		16.67		66.3	30	124				
Surr: Tetrachloro-m-xylene	15.339		16.67		92.0	40	118				

Sample ID: LCSA-54965	SampType: LCS	TestCode: 8082_S	Units: µg/Kg	Prep Date: 4/23/2009	RunNo: 108462						
Client ID: LCSS	Batch ID: 54965	TestNo: EPA 8082	EPA 3550B	Analysis Date: 4/24/2009	SeqNo: 1701837						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	126.120	16	166.7	0	75.7	56	113				
Aroclor 1260	138.578	16	166.7	0	83.1	58	111				
Surr: Decachlorobiphenyl	11.552		16.67		69.3	30	124				
Surr: Tetrachloro-m-xylene	16.019		16.67		96.1	40	118				

Sample ID: MB-54965MSA	SampType: MS	TestCode: 8082_S	Units: µg/Kg	Prep Date: 4/23/2009	RunNo: 108462						
Client ID: ZZZZZZ	Batch ID: 54965	TestNo: EPA 8082	EPA 3550B	Analysis Date: 4/24/2009	SeqNo: 1701838						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	125.359	16	166.7	0	75.2	51	111				
Aroclor 1260	137.952	16	166.7	0	82.8	39	123				
Surr: Decachlorobiphenyl	11.473		16.67		68.8	30	124				
Surr: Tetrachloro-m-xylene	15.936		16.67		95.6	40	118				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



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ANALYTICAL QC SUMMARY REPORT

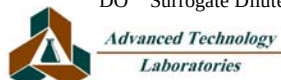
TestCode: 8082_S

Sample ID: MB-54965MSDA	SampType: MSD	TestCode: 8082_S	Units: µg/Kg	Prep Date: 4/23/2009	RunNo: 108462						
Client ID: ZZZZZZ	Batch ID: 54965	TestNo: EPA 8082	EPA 3550B	Analysis Date: 4/24/2009	SeqNo: 1701839						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	125.494	16	166.7	0	75.3	51	111	125.4	0.108	20	
Aroclor 1260	138.206	16	166.7	0	82.9	39	123	138.0	0.184	20	
Surr: Decachlorobiphenyl	11.579		16.67		69.5	30	124		0	0	
Surr: Tetrachloro-m-xylene	15.965		16.67		95.8	40	118		0	0	

Sample ID: 105148-002ADUP		SampType: DUP		TestCode: 8082_S		Units: µg/Kg		Prep Date: 4/23/2009		RunNo: 108462		
Client ID: 1001-110-5-S		Batch ID: 54965		TestNo: EPA 8082		EPA 3550B		Analysis Date: 4/24/2009		SeqNo: 1701842		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016		ND	16						0	0	20	
Aroclor 1221		ND	33						0	0	20	
Aroclor 1232		ND	16						0	0	20	
Aroclor 1242		ND	16						0	0	20	
Aroclor 1248		ND	16						0	0	20	
Aroclor 1254		ND	16						0	0	20	
Aroclor 1260		ND	16						0	0	20	
Aroclor 1262		ND	16						0	0	20	
Aroclor 1268		ND	16						0	0	20	
Surr: Decachlorobiphenyl		13.086		16.67		78.5	30	124		0	0	
Surr: Tetrachloro-m-xylene		17.339		16.67		104	40	118		0	0	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



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ANALYTICAL QC SUMMARY REPORT

TestCode: 8082_S

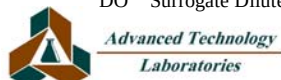
Sample ID: MB-54966	SampType: MBLK	TestCode: 8082_S	Units: µg/Kg	Prep Date: 4/23/2009	RunNo: 108455						
Client ID: PBS	Batch ID: 54966	TestNo: EPA 8082	EPA 3550B	Analysis Date: 4/23/2009	SeqNo: 1701694						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	16									
Aroclor 1221	ND	33									
Aroclor 1232	ND	16									
Aroclor 1242	ND	16									
Aroclor 1248	ND	16									
Aroclor 1254	ND	16									
Aroclor 1260	ND	16									
Aroclor 1262	ND	16									
Aroclor 1268	ND	16									
Surr: Decachlorobiphenyl	10.943		16.67		65.6	30	124				
Surr: Tetrachloro-m-xylene	15.030		16.67		90.2	40	118				

Sample ID: LCS-54966	SampType: LCS	TestCode: 8082_S	Units: µg/Kg	Prep Date: 4/23/2009	RunNo: 108455						
Client ID: LCSS	Batch ID: 54966	TestNo: EPA 8082	EPA 3550B	Analysis Date: 4/23/2009	SeqNo: 1701695						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	124.243	16	166.7	0	74.5	56	113				
Aroclor 1260	143.441	16	166.7	0	86.1	58	111				
Surr: Decachlorobiphenyl	11.240		16.67		67.4	30	124				
Surr: Tetrachloro-m-xylene	15.677		16.67		94.0	40	118				

Sample ID: MB-54966MS	SampType: MS	TestCode: 8082_S	Units: µg/Kg	Prep Date: 4/23/2009	RunNo: 108455						
Client ID: ZZZZZZ	Batch ID: 54966	TestNo: EPA 8082	EPA 3550B	Analysis Date: 4/23/2009	SeqNo: 1701696						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	125.650	16	166.7	0	75.4	51	111				
Aroclor 1260	144.561	16	166.7	0	86.7	39	123				
Surr: Decachlorobiphenyl	11.389		16.67		68.3	30	124				
Surr: Tetrachloro-m-xylene	15.752		16.67		94.5	40	118				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
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DO	Surrogate Diluted Out		Calculations are based on raw values		



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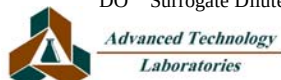
TestCode: 8082_S

Sample ID: MB-54966MSD	SampType: MSD	TestCode: 8082_S	Units: µg/Kg	Prep Date: 4/23/2009	RunNo: 108455						
Client ID: ZZZZZZ	Batch ID: 54966	TestNo: EPA 8082	EPA 3550B	Analysis Date: 4/23/2009	SeqNo: 1701697						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	125.200	16	166.7	0	75.1	51	111	125.7	0.359	20	
Aroclor 1260	143.559	16	166.7	0	86.1	39	123	144.6	0.695	20	
Surr: Decachlorobiphenyl	11.569		16.67		69.4	30	124		0	0	
Surr: Tetrachloro-m-xylene	15.757		16.67		94.5	40	118		0	0	

Sample ID: 105148-011ADUP		SampType: DUP		TestCode: 8082_S		Units: µg/Kg		Prep Date: 4/23/2009		RunNo: 108455		
Client ID: 1001-108-5-S		Batch ID: 54966		TestNo: EPA 8082		EPA 3550B		Analysis Date: 4/23/2009		SeqNo: 1701699		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016		ND	16						0	0	20	
Aroclor 1221		ND	33						0	0	20	
Aroclor 1232		ND	16						0	0	20	
Aroclor 1242		ND	16						0	0	20	
Aroclor 1248		ND	16						0	0	20	
Aroclor 1254		ND	16						0	0	20	
Aroclor 1260		ND	16						0	0	20	
Aroclor 1262		ND	16						0	0	20	
Aroclor 1268		ND	16						0	0	20	
Surr: Decachlorobiphenyl		13.508		16.67		81.0	30	124		0	0	
Surr: Tetrachloro-m-xylene		18.199		16.67		109	40	118		0	0	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
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ANALYTICAL QC SUMMARY REPORT

TestCode: 8082_S

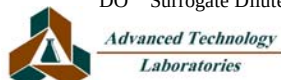
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Client ID: PBS	Batch ID: 54967	TestNo: EPA 8082	EPA 3550B	Analysis Date: 4/23/2009	SeqNo: 1702143						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	16									
Aroclor 1221	ND	33									
Aroclor 1232	ND	16									
Aroclor 1242	ND	16									
Aroclor 1248	ND	16									
Aroclor 1254	ND	16									
Aroclor 1260	ND	16									
Aroclor 1262	ND	16									
Aroclor 1268	ND	16									
Surr: Decachlorobiphenyl	12.702		16.67		76.2	30	124				
Surr: Tetrachloro-m-xylene	14.862		16.67		89.2	40	118				

Sample ID: LCS-54967	SampType: LCS	TestCode: 8082_S	Units: µg/Kg	Prep Date: 4/23/2009	RunNo: 108478						
Client ID: LCSS	Batch ID: 54967	TestNo: EPA 8082	EPA 3550B	Analysis Date: 4/23/2009	SeqNo: 1702144						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	121.345	16	166.7	0	72.8	56	113				
Aroclor 1260	163.465	16	166.7	0	98.1	58	111				
Surr: Decachlorobiphenyl	13.027		16.67		78.1	30	124				
Surr: Tetrachloro-m-xylene	15.137		16.67		90.8	40	118				

Sample ID: MB-54967MS	SampType: MS	TestCode: 8082_S	Units: µg/Kg	Prep Date: 4/23/2009	RunNo: 108478						
Client ID: ZZZZZZ	Batch ID: 54967	TestNo: EPA 8082	EPA 3550B	Analysis Date: 4/23/2009	SeqNo: 1702145						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	119.933	16	166.7	0	72.0	51	111				
Aroclor 1260	156.617	16	166.7	0	94.0	39	123				
Surr: Decachlorobiphenyl	12.882		16.67		77.3	30	124				
Surr: Tetrachloro-m-xylene	14.905		16.67		89.4	40	118				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
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DO	Surrogate Diluted Out		Calculations are based on raw values		



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Project: 207126015

ANALYTICAL QC SUMMARY REPORT

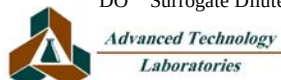
TestCode: 8082_S

Sample ID: MB-54967MSD	SampType: MSD	TestCode: 8082_S	Units: µg/Kg	Prep Date: 4/23/2009	RunNo: 108478						
Client ID: ZZZZZZ	Batch ID: 54967	TestNo: EPA 8082	EPA 3550B	Analysis Date: 4/24/2009	SeqNo: 1702146						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	119.508	16	166.7	0	71.7	51	111	119.9	0.355	20	
Aroclor 1260	153.500	16	166.7	0	92.1	39	123	156.6	2.01	20	
Surr: Decachlorobiphenyl	12.865		16.67		77.2	30	124		0	0	
Surr: Tetrachloro-m-xylene	14.912		16.67		89.5	40	118		0	0	

Sample ID: 105148-022ADUP		SampType: DUP		TestCode: 8082_S		Units: µg/Kg		Prep Date: 4/23/2009		RunNo: 108478		
Client ID: 1001-107-10-S		Batch ID: 54967		TestNo: EPA 8082		EPA 3550B		Analysis Date: 4/24/2009		SeqNo: 1702149		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016		ND	16						0	0	20	
Aroclor 1221		ND	33						0	0	20	
Aroclor 1232		ND	16						0	0	20	
Aroclor 1242		ND	16						0	0	20	
Aroclor 1248		ND	16						0	0	20	
Aroclor 1254		ND	16						0	0	20	
Aroclor 1260		ND	16						0	0	20	
Aroclor 1262		ND	16						0	0	20	
Aroclor 1268		ND	16						0	0	20	
Surr: Decachlorobiphenyl		15.025		16.67		90.1	30	124		0	0	
Surr: Tetrachloro-m-xylene		17.083		16.67		102	40	118		0	0	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



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ANALYTICAL QC SUMMARY REPORT

TestCode: 8082_W

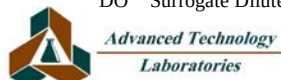
Sample ID: MB-54927	SampType: MBLK	TestCode: 8082_W	Units: µg/L	Prep Date: 4/22/2009	RunNo: 108430						
Client ID: PBW	Batch ID: 54927	TestNo: EPA 8082	EPA 3510C	Analysis Date: 4/23/2009	SeqNo: 1701283						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	0.50									
Aroclor 1221	ND	1.0									
Aroclor 1232	ND	0.50									
Aroclor 1242	ND	0.50									
Aroclor 1248	ND	0.50									
Aroclor 1254	ND	0.50									
Aroclor 1260	ND	0.50									
Aroclor 1262	ND	0.50									
Aroclor 1268	ND	0.50									
Surr: Decachlorobiphenyl	0.289		0.5000		57.8	29	130				
Surr: Tetrachloro-m-xylene	0.429		0.5000		85.7	48	126				

Sample ID: LCSA-54927	SampType: LCS	TestCode: 8082_W	Units: µg/L	Prep Date: 4/22/2009	RunNo: 108430						
Client ID: LCSW	Batch ID: 54927	TestNo: EPA 8082	EPA 3510C	Analysis Date: 4/23/2009	SeqNo: 1701284						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	3.723	0.50	5.000	0	74.5	59	113				
Aroclor 1260	4.014	0.50	5.000	0	80.3	60	114				
Surr: Decachlorobiphenyl	0.270		0.5000		54.0	29	130				
Surr: Tetrachloro-m-xylene	0.451		0.5000		90.3	48	126				

Sample ID: MB-54927MSA	SampType: MS	TestCode: 8082_W	Units: µg/L	Prep Date: 4/22/2009	RunNo: 108430						
Client ID: ZZZZZZ	Batch ID: 54927	TestNo: EPA 8082	EPA 3510C	Analysis Date: 4/23/2009	SeqNo: 1701285						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	3.606	0.50	5.000	0	72.1	59	113				
Aroclor 1260	3.977	0.50	5.000	0	79.5	60	114				
Surr: Decachlorobiphenyl	0.272		0.5000		54.3	29	130				
Surr: Tetrachloro-m-xylene	0.460		0.5000		92.0	48	126				

Qualifiers:

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ANALYTICAL QC SUMMARY REPORT

TestCode: 8082_W

Sample ID: MB-54927MSDA	SampType: MSD	TestCode: 8082_W	Units: µg/L	Prep Date: 4/22/2009	RunNo: 108430						
Client ID: ZZZZZZ	Batch ID: 54927	TestNo: EPA 8082	EPA 3510C	Analysis Date: 4/23/2009	SeqNo: 1701286						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	3.798	0.50	5.000	0	76.0	59	113	3.606	5.19	20	
Aroclor 1260	4.067	0.50	5.000	0	81.3	60	114	3.977	2.25	20	
Surr: Decachlorobiphenyl	0.275		0.5000		54.9	29	130		0	0	
Surr: Tetrachloro-m-xylene	0.460		0.5000		91.9	48	126		0	0	

Qualifiers:

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ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S_5035

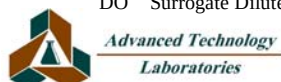
Sample ID: K090422LC1		SampType: LCS	TestCode: 8260_S_5035		Units: µg/Kg	Prep Date:			RunNo: 108374		
Client ID: LCSS		Batch ID: K09VS061	TestNo: EPA 8260B		Analysis Date: 4/22/2009			SeqNo: 1700460			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	57.080	5.0	50.00	0	114	70	130				
Benzene	100.720	5.0	100.0	0	101	70	130				
Chlorobenzene	52.460	5.0	50.00	0	105	70	130				
MTBE	47.560	5.0	50.00	0	95.1	70	130				
Toluene	97.820	5.0	100.0	0	97.8	70	130				
Trichloroethene	50.920	5.0	50.00	0	102	70	130				
Surr: 1,2-Dichloroethane-d4	47.500		50.00		95.0	68	147				
Surr: 4-Bromofluorobenzene	53.340		50.00		107	67	127				
Surr: Dibromofluoromethane	52.100		50.00		104	72	141				
Surr: Toluene-d8	53.490		50.00		107	75	120				

Sample ID: K090422LC2		SampType: LCSD		TestCode: 8260_S_5035		Units: µg/Kg		Prep Date:		RunNo: 108374		
Client ID: LCSS02		Batch ID: K09VS061		TestNo: EPA 8260B		Analysis Date: 4/22/2009		SeqNo: 1700461				
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene		50.680	5.0	50.00	0	101	70	130	57.08	11.9	20	
Benzene		87.540	5.0	100.0	0	87.5	70	130	100.7	14.0	20	
Chlorobenzene		45.630	5.0	50.00	0	91.3	70	130	52.46	13.9	20	
MTBE		41.700	5.0	50.00	0	83.4	70	130	47.56	13.1	20	
Toluene		82.950	5.0	100.0	0	83.0	70	130	97.82	16.5	20	
Trichloroethene		44.010	5.0	50.00	0	88.0	70	130	50.92	14.6	20	
Surr: 1,2-Dichloroethane-d4		47.110		50.00		94.2	68	147		0	20	
Surr: 4-Bromofluorobenzene		52.220		50.00		104	67	127		0	20	
Surr: Dibromofluoromethane		49.780		50.00		99.6	72	141		0	20	
Surr: Toluene-d8		51.760		50.00		104	75	120		0	20	

Sample ID: K090422MB2		SampType: MBLK		TestCode: 8260_S_5035		Units: µg/Kg		Prep Date:			RunNo: 108374		
Client ID: PBS		Batch ID: K09VS061		TestNo: EPA 8260B		Analysis Date: 4/22/2009			SeqNo: 1701185				
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers:

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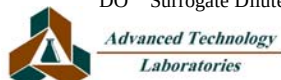
ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S_5035

Sample ID: K090422MB2	SampType: MBLK	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date:					RunNo: 108374		
Client ID: PBS	Batch ID: K09VS061	TestNo: EPA 8260B		Analysis Date: 4/22/2009					SeqNo: 1701185		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0									
1,1,1-Trichloroethane	ND	5.0									
1,1,2,2-Tetrachloroethane	ND	5.0									
1,1,2-Trichloroethane	ND	5.0									
1,1-Dichloroethane	ND	5.0									
1,1-Dichloroethene	ND	5.0									
1,1-Dichloropropene	ND	5.0									
1,2,3-Trichlorobenzene	ND	5.0									
1,2,3-Trichloropropane	ND	5.0									
1,2,4-Trichlorobenzene	ND	5.0									
1,2,4-Trimethylbenzene	ND	5.0									
1,2-Dibromo-3-chloropropane	ND	10									
1,2-Dibromoethane	ND	5.0									
1,2-Dichlorobenzene	ND	5.0									
1,2-Dichloroethane	ND	5.0									
1,2-Dichloropropane	ND	5.0									
1,3,5-Trimethylbenzene	ND	5.0									
1,3-Dichlorobenzene	ND	5.0									
1,3-Dichloropropane	ND	5.0									
1,4-Dichlorobenzene	ND	5.0									
2,2-Dichloropropane	ND	5.0									
2-Chlorotoluene	ND	5.0									
4-Chlorotoluene	ND	5.0									
4-Isopropyltoluene	ND	5.0									
Benzene	ND	5.0									
Bromobenzene	ND	5.0									
Bromodichloromethane	ND	5.0									
Bromoform	ND	5.0									
Bromomethane	ND	5.0									
Carbon tetrachloride	ND	5.0									

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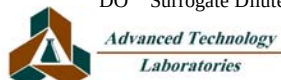
ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S_5035

Sample ID: K090422MB2	SampType: MBLK	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date:				RunNo: 108374			
Client ID: PBS	Batch ID: K09VS061	TestNo: EPA 8260B		Analysis Date: 4/22/2009				SeqNo: 1701185			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorobenzene	ND	5.0									
Chloroethane	ND	5.0									
Chloroform	ND	5.0									
Chloromethane	ND	5.0									
cis-1,2-Dichloroethene	ND	5.0									
cis-1,3-Dichloropropene	ND	5.0									
Dibromochloromethane	ND	5.0									
Dibromomethane	ND	5.0									
Dichlorodifluoromethane	ND	5.0									
Ethylbenzene	ND	5.0									
Hexachlorobutadiene	ND	5.0									
Isopropylbenzene	ND	5.0									
m,p-Xylene	ND	10									
Methylene chloride	ND	5.0									
n-Butylbenzene	ND	5.0									
n-Propylbenzene	ND	5.0									
Naphthalene	ND	5.0									
o-Xylene	ND	5.0									
sec-Butylbenzene	ND	5.0									
Styrene	ND	5.0									
tert-Butylbenzene	ND	5.0									
Tetrachloroethene	ND	5.0									
Toluene	ND	5.0									
trans-1,2-Dichloroethene	ND	5.0									
Trichloroethene	ND	5.0									
Trichlorofluoromethane	ND	5.0									
Vinyl chloride	ND	5.0									
Surr: 1,2-Dichloroethane-d4	51.150		50.00		102	68	147				
Surr: 4-Bromofluorobenzene	52.030		50.00		104	67	127				
Surr: Dibromofluoromethane	51.770		50.00		104	72	141				

Qualifiers:

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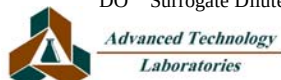
TestCode: 8260_S_5035

Sample ID: K090422MB2	SampType: MBLK	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date:	RunNo: 108374						
Client ID: PBS	Batch ID: K09VS061	TestNo: EPA 8260B		Analysis Date: 4/22/2009	SeqNo: 1701185						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Toluene-d8	55.360		50.00		111	75	120				

Sample ID: 105148-001C	SampType: DUP	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date: 4/22/2009	RunNo: 108374						
Client ID: 1001-110-2-S	Batch ID: K09VS061	TestNo: EPA 8260B		Analysis Date: 4/22/2009	SeqNo: 1701196						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	5.1						0	0	20	
1,1,1-Trichloroethane	ND	5.1						0	0	20	
1,1,2,2-Tetrachloroethane	ND	5.1						0	0	20	
1,1,2-Trichloroethane	ND	5.1						0	0	20	
1,1-Dichloroethane	ND	5.1						0	0	20	
1,1-Dichloroethene	ND	5.1						0	0	20	
1,1-Dichloropropene	ND	5.1						0	0	20	
1,2,3-Trichlorobenzene	ND	5.1						0	0	20	
1,2,3-Trichloropropane	ND	5.1						0	0	20	
1,2,4-Trichlorobenzene	ND	5.1						0	0	20	
1,2,4-Trimethylbenzene	ND	5.1						0	0	20	
1,2-Dibromo-3-chloropropane	ND	10						0	0	20	
1,2-Dibromoethane	ND	5.1						0	0	20	
1,2-Dichlorobenzene	ND	5.1						0	0	20	
1,2-Dichloroethane	ND	5.1						0	0	20	
1,2-Dichloropropane	ND	5.1						0	0	20	
1,3,5-Trimethylbenzene	ND	5.1						0	0	20	
1,3-Dichlorobenzene	ND	5.1						0	0	20	
1,3-Dichloropropane	ND	5.1						0	0	20	
1,4-Dichlorobenzene	ND	5.1						0	0	20	
2,2-Dichloropropane	ND	5.1						0	0	20	
2-Butanone	ND	51						0	0	20	
2-Chloroethyl vinyl ether	ND	5.1						0	0	20	
2-Chlorotoluene	ND	5.1						0	0	20	

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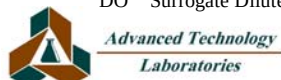
ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S_5035

Sample ID: 105148-001C	SampType: DUP	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date: 4/22/2009	RunNo: 108374						
Client ID: 1001-110-2-S	Batch ID: K09VS061	TestNo: EPA 8260B		Analysis Date: 4/22/2009	SeqNo: 1701196						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Hexanone	ND	51						0	0	20	
4-Chlorotoluene	ND	5.1						0	0	20	
4-Isopropyltoluene	ND	5.1						0	0	20	
4-Methyl-2-pentanone	ND	51						0	0	20	
Acetone	16.917	51						0	0	20	
Acrolein	ND	51						0	0	20	
Acrylonitrile	ND	51						0	0	20	
Benzene	0.892	5.1						0	0	20	
Bromobenzene	ND	5.1						0	0	20	
Bromochloromethane	ND	5.1						0	0	20	
Bromodichloromethane	ND	5.1						0	0	20	
Bromoform	ND	5.1						0	0	20	
Bromomethane	ND	5.1						0	0	20	
Carbon disulfide	ND	5.1						0	0	20	
Carbon tetrachloride	ND	5.1						0	0	20	
Chlorobenzene	ND	5.1						0	0	20	
Chloroethane	ND	5.1						0	0	20	
Chloroform	ND	5.1						0	0	20	
Chloromethane	ND	5.1						0	0	20	
cis-1,2-Dichloroethene	ND	5.1						0	0	20	
cis-1,3-Dichloropropene	ND	5.1						0	0	20	
Cyclohexanone	ND	51						0	0	20	
Di-isopropyl ether	ND	5.1						0	0	20	
Dibromochloromethane	ND	5.1						0	0	20	
Dibromomethane	ND	5.1						0	0	20	
Dichlorodifluoromethane	ND	5.1						0	0	20	
Ethyl Acetate	ND	51						0	0	20	
Ethyl Ether	ND	51						0	0	20	
Ethyl Tert-butyl ether	ND	5.1						0	0	20	
Ethylbenzene	ND	5.1						0	0	20	

Qualifiers:

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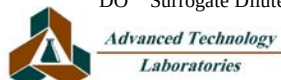
ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S_5035

Sample ID: 105148-001C	SampType: DUP	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date: 4/22/2009	RunNo: 108374						
Client ID: 1001-110-2-S	Batch ID: K09VS061	TestNo: EPA 8260B		Analysis Date: 4/22/2009	SeqNo: 1701196						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Freon-113	ND	5.1						0	0	20	
Hexachlorobutadiene	ND	5.1						0	0	20	
Iodomethane	ND	5.1						0	0	20	
Isopropylbenzene	ND	5.1						0	0	20	
m,p-Xylene	ND	10						0	0	20	
Methylene chloride	ND	5.1						0	0	20	
MTBE	ND	5.1						0	0	20	
n-Butylbenzene	ND	5.1						0	0	20	
n-Propylbenzene	ND	5.1						0	0	20	
Naphthalene	ND	5.1						0	0	20	
o-Xylene	ND	5.1						0	0	20	
sec-Butylbenzene	ND	5.1						0	0	20	
Styrene	ND	5.1						0	0	20	
Tert-amyl methyl ether	ND	5.1						0	0	20	
Tert-Butanol	ND	100						0	0	20	
tert-Butylbenzene	ND	5.1						0	0	20	
Tetrachloroethene	21.531	5.1						18.55	14.9	20	
Toluene	ND	5.1						0	0	20	
trans-1,2-Dichloroethene	ND	5.1						0	0	20	
trans-1,3-Dichloropropene	ND	5.1						0	0	20	
Trichloroethene	ND	5.1						0	0	20	
Trichlorofluoromethane	ND	5.1						0	0	20	
Vinyl acetate	ND	51						0	0	20	
Vinyl chloride	ND	5.1						0	0	20	
Xylenes, Total	ND	15						0	0	20	
Surr: 1,2-Dichloroethane-d4	68.002		50.71		134	68	147		0	20	
Surr: 4-Bromofluorobenzene	54.178		50.71		107	67	127		0	20	
Surr: Dibromofluoromethane	61.511		50.71		121	72	141		0	20	
Surr: Toluene-d8	53.803		50.71		106	75	120		0	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
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DO	Surrogate Diluted Out		Calculations are based on raw values		



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CLIENT: Ninyo & Moore
Work Order: 105148
Project: 207126015

ANALYTICAL QC SUMMARY REPORT

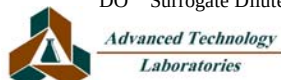
TestCode: 8260_S_5035

Sample ID: K090422LC3		SampType: LCS	TestCode: 8260_S_5035 Units: µg/Kg			Prep Date:			RunNo: 108389			
Client ID: LCSS		Batch ID: K09VS062	TestNo: EPA 8260B			Analysis Date: 4/22/2009			SeqNo: 1701254			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene		61.010	5.0	50.00	0	122	70	130				
Benzene		107.110	5.0	100.0	0	107	70	130				
Chlorobenzene		48.480	5.0	50.00	0	97.0	70	130				
MTBE		49.570	5.0	50.00	0	99.1	70	130				
Toluene		100.880	5.0	100.0	0	101	70	130				
Trichloroethene		50.120	5.0	50.00	0	100	70	130				
Surr: 1,2-Dichloroethane-d4		50.820		50.00		102	68	147				
Surr: 4-Bromofluorobenzene		52.680		50.00		105	67	127				
Surr: Dibromofluoromethane		53.120		50.00		106	72	141				
Surr: Toluene-d8		56.050		50.00		112	75	120				

Sample ID: K090422MB4		SampType: MBLK		TestCode: 8260_S_5035		Units: µg/Kg		Prep Date:			RunNo: 108389	
Client ID: PBS		Batch ID: K09VS062		TestNo: EPA 8260B		Analysis Date: 4/22/2009			SeqNo: 1701255			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane		ND	5.0									
1,1,1-Trichloroethane		ND	5.0									
1,1,2,2-Tetrachloroethane		ND	5.0									
1,1,2-Trichloroethane		ND	5.0									
1,1-Dichloroethane		ND	5.0									
1,1-Dichloroethene		ND	5.0									
1,1-Dichloropropene		ND	5.0									
1,2,3-Trichlorobenzene		ND	5.0									
1,2,3-Trichloropropane		ND	5.0									
1,2,4-Trichlorobenzene		ND	5.0									
1,2,4-Trimethylbenzene		ND	5.0									
1,2-Dibromo-3-chloropropane		ND	10									
1,2-Dibromoethane		ND	5.0									
1,2-Dichlorobenzene		ND	5.0									
1,2-Dichloroethane		ND	5.0									

Qualifiers:

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DO	Surrogate Diluted Out		Calculations are based on raw values		



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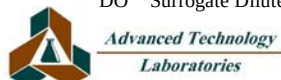
ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S_5035

Sample ID: K090422MB4	SampType: MBLK	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date:					RunNo: 108389		
Client ID: PBS	Batch ID: K09VS062	TestNo: EPA 8260B		Analysis Date: 4/22/2009					SeqNo: 1701255		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dichloropropane	ND	5.0									
1,3,5-Trimethylbenzene	ND	5.0									
1,3-Dichlorobenzene	ND	5.0									
1,3-Dichloropropane	ND	5.0									
1,4-Dichlorobenzene	ND	5.0									
2,2-Dichloropropane	ND	5.0									
2-Chlorotoluene	ND	5.0									
4-Chlorotoluene	ND	5.0									
4-Isopropyltoluene	ND	5.0									
Benzene	ND	5.0									
Bromobenzene	ND	5.0									
Bromodichloromethane	ND	5.0									
Bromoform	ND	5.0									
Bromomethane	ND	5.0									
Carbon tetrachloride	ND	5.0									
Chlorobenzene	ND	5.0									
Chloroethane	ND	5.0									
Chloroform	ND	5.0									
Chloromethane	ND	5.0									
cis-1,2-Dichloroethene	ND	5.0									
cis-1,3-Dichloropropene	ND	5.0									
Dibromochloromethane	ND	5.0									
Dibromomethane	ND	5.0									
Dichlorodifluoromethane	ND	5.0									
Ethylbenzene	ND	5.0									
Hexachlorobutadiene	ND	5.0									
Isopropylbenzene	ND	5.0									
m,p-Xylene	ND	10									
Methylene chloride	ND	5.0									
n-Butylbenzene	ND	5.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
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DO	Surrogate Diluted Out		Calculations are based on raw values		



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ANALYTICAL QC SUMMARY REPORT

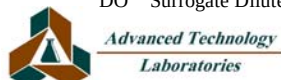
TestCode: 8260_S_5035

Sample ID: K090422MB4	SampType: MBLK	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date:					RunNo: 108389		
Client ID: PBS	Batch ID: K09VS062	TestNo: EPA 8260B		Analysis Date: 4/22/2009					SeqNo: 1701255		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
n-Propylbenzene	ND	5.0									
Naphthalene	ND	5.0									
o-Xylene	ND	5.0									
sec-Butylbenzene	ND	5.0									
Styrene	ND	5.0									
tert-Butylbenzene	ND	5.0									
Tetrachloroethene	ND	5.0									
Toluene	ND	5.0									
trans-1,2-Dichloroethene	ND	5.0									
Trichloroethene	ND	5.0									
Trichlorofluoromethane	ND	5.0									
Vinyl chloride	ND	5.0									
Surr: 1,2-Dichloroethane-d4	52.160		50.00		104	68	147				
Surr: 4-Bromofluorobenzene	54.100		50.00		108	67	127				
Surr: Dibromofluoromethane	53.800		50.00		108	72	141				
Surr: Toluene-d8	54.620		50.00		109	75	120				

Sample ID: 105148-021C	SampType: DUP	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date: 4/22/2009	RunNo: 108389						
Client ID: 1001-107-5-S	Batch ID: K09VS062	TestNo: EPA 8260B		Analysis Date: 4/22/2009	SeqNo: 1701259						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	5.3						0	0	20	
1,1,1-Trichloroethane	ND	5.3						0	0	20	
1,1,2,2-Tetrachloroethane	ND	5.3						0	0	20	
1,1,2-Trichloroethane	ND	5.3						0	0	20	
1,1-Dichloroethane	ND	5.3						0	0	20	
1,1-Dichloroethene	ND	5.3						0	0	20	
1,1-Dichloropropene	ND	5.3						0	0	20	
1,2,3-Trichlorobenzene	ND	5.3						0	0	20	
1,2,3-Trichloropropane	ND	5.3						0	0	20	

Qualifiers:

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Work Order: 105148
Project: 207126015

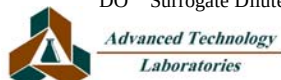
ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S_5035

Sample ID: 105148-021C	SampType: DUP	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date: 4/22/2009	RunNo: 108389						
Client ID: 1001-107-5-S	Batch ID: K09VS062	TestNo: EPA 8260B		Analysis Date: 4/22/2009	SeqNo: 1701259						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	ND	5.3						0	0	20	
1,2,4-Trimethylbenzene	ND	5.3						0	0	20	
1,2-Dibromo-3-chloropropane	ND	11						0	0	20	
1,2-Dibromoethane	ND	5.3						0	0	20	
1,2-Dichlorobenzene	ND	5.3						0	0	20	
1,2-Dichloroethane	ND	5.3						0	0	20	
1,2-Dichloropropane	ND	5.3						0	0	20	
1,3,5-Trimethylbenzene	ND	5.3						0	0	20	
1,3-Dichlorobenzene	ND	5.3						0	0	20	
1,3-Dichloropropane	ND	5.3						0	0	20	
1,4-Dichlorobenzene	ND	5.3						0	0	20	
2,2-Dichloropropane	ND	5.3						0	0	20	
2-Butanone	ND	53						0	0	20	
2-Chloroethyl vinyl ether	ND	5.3						0	0	20	
2-Chlorotoluene	ND	5.3						0	0	20	
2-Hexanone	ND	53						0	0	20	
4-Chlorotoluene	ND	5.3						0	0	20	
4-Isopropyltoluene	ND	5.3						0	0	20	
4-Methyl-2-pentanone	ND	53						0	0	20	
Acetone	ND	53						0	0	20	
Acrolein	ND	53						0	0	20	
Acrylonitrile	ND	53						0	0	20	
Benzene	ND	5.3						0	0	20	
Bromobenzene	ND	5.3						0	0	20	
Bromochloromethane	ND	5.3						0	0	20	
Bromodichloromethane	ND	5.3						0	0	20	
Bromoform	ND	5.3						0	0	20	
Bromomethane	ND	5.3						0	0	20	
Carbon disulfide	ND	5.3						0	0	20	
Carbon tetrachloride	ND	5.3						0	0	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
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Project: 207126015

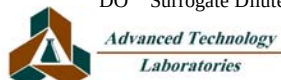
ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S_5035

Sample ID: 105148-021C	SampType: DUP	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date: 4/22/2009	RunNo: 108389						
Client ID: 1001-107-5-S	Batch ID: K09VS062	TestNo: EPA 8260B		Analysis Date: 4/22/2009	SeqNo: 1701259						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorobenzene	ND	5.3						0	0	20	
Chloroethane	ND	5.3						0	0	20	
Chloroform	ND	5.3						0	0	20	
Chloromethane	ND	5.3						0	0	20	
cis-1,2-Dichloroethene	ND	5.3						0	0	20	
cis-1,3-Dichloropropene	ND	5.3						0	0	20	
Cyclohexanone	ND	53						0	0	20	
Di-isopropyl ether	ND	5.3						0	0	20	
Dibromochloromethane	ND	5.3						0	0	20	
Dibromomethane	ND	5.3						0	0	20	
Dichlorodifluoromethane	ND	5.3						0	0	20	
Ethyl Acetate	ND	53						0	0	20	
Ethyl Ether	ND	53						0	0	20	
Ethyl Tert-butyl ether	ND	5.3						0	0	20	
Ethylbenzene	ND	5.3						0	0	20	
Freon-113	ND	5.3						0	0	20	
Hexachlorobutadiene	ND	5.3						0	0	20	
Iodomethane	ND	5.3						0	0	20	
Isopropylbenzene	ND	5.3						0	0	20	
m,p-Xylene	ND	11						0	0	20	
Methylene chloride	ND	5.3						0	0	20	
MTBE	ND	5.3						0	0	20	
n-Butylbenzene	ND	5.3						0	0	20	
n-Propylbenzene	ND	5.3						0	0	20	
Naphthalene	ND	5.3						0	0	20	
o-Xylene	ND	5.3						0	0	20	
sec-Butylbenzene	ND	5.3						0	0	20	
Styrene	ND	5.3						0	0	20	
Tert-amyl methyl ether	ND	5.3						0	0	20	
Tert-Butanol	ND	110						0	0	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
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DO	Surrogate Diluted Out		Calculations are based on raw values		



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Work Order: 105148
Project: 207126015

ANALYTICAL QC SUMMARY REPORT

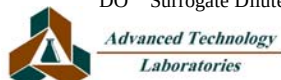
TestCode: 8260_S_5035

Sample ID: 105148-021C	SampType: DUP	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date: 4/22/2009	RunNo: 108389						
Client ID: 1001-107-5-S	Batch ID: K09VS062	TestNo: EPA 8260B		Analysis Date: 4/22/2009	SeqNo: 1701259						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
tert-Butylbenzene	ND	5.3						0	0	20	
Tetrachloroethene	ND	5.3						0	0	20	
Toluene	ND	5.3						0	0	20	
trans-1,2-Dichloroethene	ND	5.3						0	0	20	
trans-1,3-Dichloropropene	ND	5.3						0	0	20	
Trichloroethene	ND	5.3						0	0	20	
Trichlorofluoromethane	ND	5.3						0	0	20	
Vinyl acetate	ND	53						0	0	20	
Vinyl chloride	ND	5.3						0	0	20	
Xylenes, Total	ND	16						0	0	20	
Surr: 1,2-Dichloroethane-d4	63.768		52.63		121	68	147		0	20	
Surr: 4-Bromofluorobenzene	58.853		52.63		112	67	127		0	20	
Surr: Dibromofluoromethane	62.547		52.63		119	72	141		0	20	
Surr: Toluene-d8	56.284		52.63		107	75	120		0	20	

Sample ID: 105172-004AMS	SampType: MS	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date:				RunNo: 108389			
Client ID: ZZZZZZ	Batch ID: K09VS062	TestNo: EPA 8260B		Analysis Date: 4/22/2009				SeqNo: 1701261			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	52.610	5.0	50.00	0	105	70	130				
Benzene	92.500	5.0	100.0	1.000	91.5	70	130				
Chlorobenzene	42.570	5.0	50.00	0	85.1	70	130				
Toluene	85.680	5.0	100.0	0	85.7	70	130				
Trichloroethene	44.660	5.0	50.00	0	89.3	70	130				
Surr: 1,2-Dichloroethane-d4	52.790		50.00		106	68	147				
Surr: 4-Bromofluorobenzene	52.140		50.00		104	67	127				
Surr: Dibromofluoromethane	54.860		50.00		110	72	141				
Surr: Toluene-d8	53.420		50.00		107	75	120				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



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Work Order: 105148
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ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S_5035

Sample ID: 105172-004AMSD	SampType: MSD	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date:				RunNo: 108389			
Client ID: ZZZZZZ	Batch ID: K09VS062	TestNo: EPA 8260B	Analysis Date: 4/22/2009				SeqNo: 1701262				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	58.380	5.0	50.00	0	117	70	130	52.61	10.4	20	
Benzene	97.870	5.0	100.0	1.000	96.9	70	130	92.50	5.64	20	
Chlorobenzene	43.190	5.0	50.00	0	86.4	70	130	42.57	1.45	20	
Toluene	89.150	5.0	100.0	0	89.2	70	130	85.68	3.97	20	
Trichloroethene	46.280	5.0	50.00	0	92.6	70	130	44.66	3.56	20	
Surr: 1,2-Dichloroethane-d4	47.180		50.00		94.4	68	147		0	20	
Surr: 4-Bromofluorobenzene	52.560		50.00		105	67	127		0	20	
Surr: Dibromofluoromethane	51.240		50.00		102	72	141		0	20	
Surr: Toluene-d8	52.350		50.00		105	75	120		0	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



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ANALYTICAL QC SUMMARY REPORT

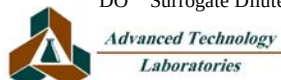
TestCode: 8260_S_5035

Sample ID: T090422LC3		SampType: LCS	TestCode: 8260_S_5035		Units: µg/Kg	Prep Date:			RunNo: 108392		
Client ID: LCSS	Batch ID: T09VS105		TestNo: EPA 8260B			Analysis Date: 4/22/2009			SeqNo: 1700624		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	47.210	5.0	50.00	0	94.4	70	130				
Benzene	101.590	5.0	100.0	0	102	70	130				
Chlorobenzene	47.440	5.0	50.00	0	94.9	70	130				
MTBE	46.230	5.0	50.00	0	92.5	70	130				
Toluene	104.090	5.0	100.0	0	104	70	130				
Trichloroethene	42.700	5.0	50.00	0	85.4	70	130				
Surr: 1,2-Dichloroethane-d4	48.130		50.00		96.3	68	147				
Surr: 4-Bromofluorobenzene	48.090		50.00		96.2	67	127				
Surr: Dibromofluoromethane	53.040		50.00		106	72	141				
Surr: Toluene-d8	57.230		50.00		114	75	120				

Sample ID: T090422MB4		SampType: MBLK		TestCode: 8260_S_5035		Units: µg/Kg		Prep Date:		RunNo: 108392		
Client ID: PBS		Batch ID: T09VS105		TestNo: EPA 8260B				Analysis Date: 4/22/2009		SeqNo: 1701125		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane		ND	5.0									
1,1,1-Trichloroethane		ND	5.0									
1,1,2,2-Tetrachloroethane		ND	5.0									
1,1,2-Trichloroethane		ND	5.0									
1,1-Dichloroethane		ND	5.0									
1,1-Dichloroethene		ND	5.0									
1,1-Dichloropropene		ND	5.0									
1,2,3-Trichlorobenzene		ND	5.0									
1,2,3-Trichloropropane		ND	5.0									
1,2,4-Trichlorobenzene		ND	5.0									
1,2,4-Trimethylbenzene		ND	5.0									
1,2-Dibromo-3-chloropropane		ND	10									
1,2-Dibromoethane		ND	5.0									
1,2-Dichlorobenzene		ND	5.0									
1,2-Dichloroethane		ND	5.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



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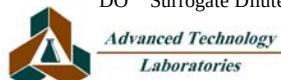
ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S_5035

Sample ID: T090422MB4	SampType: MBLK	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date:					RunNo: 108392		
Client ID: PBS	Batch ID: T09VS105	TestNo: EPA 8260B		Analysis Date: 4/22/2009					SeqNo: 1701125		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dichloropropane	ND	5.0									
1,3,5-Trimethylbenzene	ND	5.0									
1,3-Dichlorobenzene	ND	5.0									
1,3-Dichloropropane	ND	5.0									
1,4-Dichlorobenzene	ND	5.0									
2,2-Dichloropropane	ND	5.0									
2-Chlorotoluene	ND	5.0									
4-Chlorotoluene	ND	5.0									
4-Isopropyltoluene	ND	5.0									
Benzene	ND	5.0									
Bromobenzene	ND	5.0									
Bromodichloromethane	ND	5.0									
Bromoform	ND	5.0									
Bromomethane	ND	5.0									
Carbon tetrachloride	ND	5.0									
Chlorobenzene	ND	5.0									
Chloroethane	ND	5.0									
Chloroform	ND	5.0									
Chloromethane	ND	5.0									
cis-1,2-Dichloroethene	ND	5.0									
cis-1,3-Dichloropropene	ND	5.0									
Dibromochloromethane	ND	5.0									
Dibromomethane	ND	5.0									
Dichlorodifluoromethane	ND	5.0									
Ethylbenzene	ND	5.0									
Hexachlorobutadiene	ND	5.0									
Isopropylbenzene	ND	5.0									
m,p-Xylene	ND	10									
Methylene chloride	ND	5.0									
n-Butylbenzene	ND	5.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



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ANALYTICAL QC SUMMARY REPORT

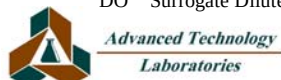
TestCode: 8260_S_5035

Sample ID: T090422MB4		SampType: MBLK	TestCode: 8260_S_5035		Units: µg/Kg	Prep Date:			RunNo: 108392			
Client ID: PBS	Batch ID: T09VS105		TestNo: EPA 8260B			Analysis Date: 4/22/2009			SeqNo: 1701125			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
n-Propylbenzene		ND	5.0									
Naphthalene		ND	5.0									
o-Xylene		ND	5.0									
sec-Butylbenzene		ND	5.0									
Styrene		ND	5.0									
tert-Butylbenzene		ND	5.0									
Tetrachloroethene		ND	5.0									
Toluene		ND	5.0									
trans-1,2-Dichloroethene		ND	5.0									
Trichloroethene		ND	5.0									
Trichlorofluoromethane		ND	5.0									
Vinyl chloride		ND	5.0									
Surr: 1,2-Dichloroethane-d4		47.390		50.00		94.8	68	147				
Surr: 4-Bromofluorobenzene		49.910		50.00		99.8	67	127				
Surr: Dibromofluoromethane		51.440		50.00		103	72	141				
Surr: Toluene-d8		56.090		50.00		112	75	120				

Sample ID: 105148-011C	SampType: DUP	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date: 4/22/2009	RunNo: 108392						
Client ID: 1001-108-5-S	Batch ID: T09VS105	TestNo: EPA 8260B		Analysis Date: 4/22/2009	SeqNo: 1701136						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	4.9						0	0	20	
1,1,1-Trichloroethane	ND	4.9						0	0	20	
1,1,2,2-Tetrachloroethane	ND	4.9						0	0	20	
1,1,2-Trichloroethane	ND	4.9						0	0	20	
1,1-Dichloroethane	ND	4.9						0	0	20	
1,1-Dichloroethene	ND	4.9						0	0	20	
1,1-Dichloropropene	ND	4.9						0	0	20	
1,2,3-Trichlorobenzene	ND	4.9						0	0	20	
1,2,3-Trichloropropane	ND	4.9						0	0	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
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DO	Surrogate Diluted Out		Calculations are based on raw values		



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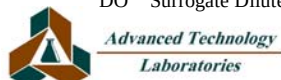
ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S_5035

Sample ID: 105148-011C	SampType: DUP	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date: 4/22/2009	RunNo: 108392						
Client ID: 1001-108-5-S	Batch ID: T09VS105	TestNo: EPA 8260B		Analysis Date: 4/22/2009	SeqNo: 1701136						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	ND	4.9						0	0	20	
1,2,4-Trimethylbenzene	ND	4.9						0	0	20	
1,2-Dibromo-3-chloropropane	ND	9.7						0	0	20	
1,2-Dibromoethane	ND	4.9						0	0	20	
1,2-Dichlorobenzene	ND	4.9						0	0	20	
1,2-Dichloroethane	ND	4.9						0	0	20	
1,2-Dichloropropane	ND	4.9						0	0	20	
1,3,5-Trimethylbenzene	ND	4.9						0	0	20	
1,3-Dichlorobenzene	ND	4.9						0	0	20	
1,3-Dichloropropane	ND	4.9						0	0	20	
1,4-Dichlorobenzene	ND	4.9						0	0	20	
2,2-Dichloropropane	ND	4.9						0	0	20	
2-Butanone	ND	49						0	0	20	
2-Chloroethyl vinyl ether	ND	4.9						0	0	20	
2-Chlorotoluene	ND	4.9						0	0	20	
2-Hexanone	ND	49						0	0	20	
4-Chlorotoluene	ND	4.9						0	0	20	
4-Isopropyltoluene	ND	4.9						0	0	20	
4-Methyl-2-pentanone	ND	49						0	0	20	
Acetone	ND	49						0	0	20	
Acrolein	ND	49						0	0	20	
Acrylonitrile	ND	49						0	0	20	
Benzene	ND	4.9						0	0	20	
Bromobenzene	ND	4.9						0	0	20	
Bromochloromethane	ND	4.9						0	0	20	
Bromodichloromethane	ND	4.9						0	0	20	
Bromoform	ND	4.9						0	0	20	
Bromomethane	ND	4.9						0	0	20	
Carbon disulfide	ND	4.9						0	0	20	
Carbon tetrachloride	ND	4.9						0	0	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
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Project: 207126015

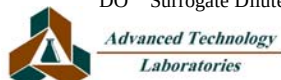
ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S_5035

Sample ID: 105148-011C	SampType: DUP	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date: 4/22/2009	RunNo: 108392						
Client ID: 1001-108-5-S	Batch ID: T09VS105	TestNo: EPA 8260B		Analysis Date: 4/22/2009	SeqNo: 1701136						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorobenzene	ND	4.9						0	0	20	
Chloroethane	ND	4.9						0	0	20	
Chloroform	ND	4.9						0	0	20	
Chloromethane	ND	4.9						0	0	20	
cis-1,2-Dichloroethene	ND	4.9						0	0	20	
cis-1,3-Dichloropropene	ND	4.9						0	0	20	
Cyclohexanone	ND	49						0	0	20	
Di-isopropyl ether	ND	4.9						0	0	20	
Dibromochloromethane	ND	4.9						0	0	20	
Dibromomethane	ND	4.9						0	0	20	
Dichlorodifluoromethane	ND	4.9						0	0	20	
Ethyl Acetate	ND	49						0	0	20	
Ethyl Ether	ND	49						0	0	20	
Ethyl Tert-butyl ether	ND	4.9						0	0	20	
Ethylbenzene	ND	4.9						0	0	20	
Freon-113	ND	4.9						0	0	20	
Hexachlorobutadiene	ND	4.9						0	0	20	
Iodomethane	ND	4.9						0	0	20	
Isopropylbenzene	ND	4.9						0	0	20	
m,p-Xylene	ND	9.7						0	0	20	
Methylene chloride	ND	4.9						0	0	20	
MTBE	ND	4.9						0	0	20	
n-Butylbenzene	ND	4.9						0	0	20	
n-Propylbenzene	ND	4.9						0	0	20	
Naphthalene	ND	4.9						0	0	20	
o-Xylene	ND	4.9						0	0	20	
sec-Butylbenzene	ND	4.9						0	0	20	
Styrene	ND	4.9						0	0	20	
Tert-amyl methyl ether	ND	4.9						0	0	20	
Tert-Butanol	ND	97						0	0	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
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DO	Surrogate Diluted Out		Calculations are based on raw values		



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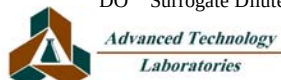
ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S_5035

Sample ID: 105148-011C	SampType: DUP	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date: 4/22/2009	RunNo: 108392						
Client ID: 1001-108-5-S	Batch ID: T09VS105	TestNo: EPA 8260B		Analysis Date: 4/22/2009	SeqNo: 1701136						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
tert-Butylbenzene	ND	4.9						0	0	20	
Tetrachloroethene	ND	4.9						0	0	20	
Toluene	ND	4.9						0	0	20	
trans-1,2-Dichloroethene	ND	4.9						0	0	20	
trans-1,3-Dichloropropene	ND	4.9						0	0	20	
Trichloroethene	ND	4.9						0	0	20	
Trichlorofluoromethane	ND	4.9						0	0	20	
Vinyl acetate	ND	49						0	0	20	
Vinyl chloride	ND	4.9						0	0	20	
Xylenes, Total	ND	15						0	0	20	
Surr: 1,2-Dichloroethane-d4	54.757		48.54		113	68	147		0	20	
Surr: 4-Bromofluorobenzene	51.019		48.54		105	67	127		0	20	
Surr: Dibromofluoromethane	54.612		48.54		113	72	141		0	20	
Surr: Toluene-d8	57.058		48.54		118	75	120		0	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



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ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S_5035

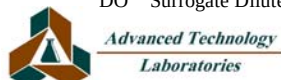
Sample ID: T090423LC1		SampType: LCS	TestCode: 8260_S_5035		Units: µg/Kg	Prep Date:			RunNo: 108434		
Client ID: LCSS	Batch ID: T09VS106		TestNo: EPA 8260B			Analysis Date: 4/23/2009			SeqNo: 1701973		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	49.920	5.0	50.00	0	99.8	70	130				
Benzene	104.690	5.0	100.0	0	105	70	130				
Chlorobenzene	50.000	5.0	50.00	0	100	70	130				
MTBE	51.770	5.0	50.00	0	104	70	130				
Toluene	107.750	5.0	100.0	0	108	70	130				
Trichloroethene	45.220	5.0	50.00	0	90.4	70	130				
Surr: 1,2-Dichloroethane-d4	48.140		50.00		96.3	68	147				
Surr: 4-Bromofluorobenzene	51.050		50.00		102	67	127				
Surr: Dibromofluoromethane	50.770		50.00		102	72	141				
Surr: Toluene-d8	55.970		50.00		112	75	120				

Sample ID: 105191-002AMS	SampType: MS	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date:				RunNo: 108434			
Client ID: ZZZZZZ	Batch ID: T09VS106	TestNo: EPA 8260B	Analysis Date: 4/23/2009				SeqNo: 1701974				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	45.530	5.0	50.00	0	91.1	70	130				
Benzene	95.310	5.0	100.0	0	95.3	70	130				
Chlorobenzene	44.850	5.0	50.00	0	89.7	70	130				
Toluene	97.110	5.0	100.0	0	97.1	70	130				
Trichloroethene	40.840	5.0	50.00	0	81.7	70	130				
Surr: 1,2-Dichloroethane-d4	47.180		50.00		94.4	68	147				
Surr: 4-Bromofluorobenzene	48.470		50.00		96.9	67	127				
Surr: Dibromofluoromethane	49.440		50.00		98.9	72	141				
Surr: Toluene-d8	54.200		50.00		108	75	120				

Sample ID: 105191-002AMSD	SampType: MSD	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date:					RunNo: 108434			
Client ID: ZZZZZZ	Batch ID: T09VS106	TestNo: EPA 8260B			Analysis Date: 4/23/2009					SeqNo: 1701975		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
1,1-Dichloroethene	49.910	5.0	50.00	0	99.8	70	130	45.53	9.18	20		

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



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ANALYTICAL QC SUMMARY REPORT

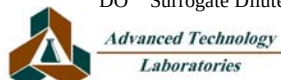
TestCode: 8260_S_5035

Sample ID: 105191-002AMSD	SampType: MSD	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date:				RunNo: 108434			
Client ID: ZZZZZZ	Batch ID: T09VS106	TestNo: EPA 8260B	Analysis Date: 4/23/2009				SeqNo: 1701975				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	104.420	5.0	100.0	0	104	70	130	95.31	9.12	20	
Chlorobenzene	49.330	5.0	50.00	0	98.7	70	130	44.85	9.51	20	
Toluene	106.110	5.0	100.0	0	106	70	130	97.11	8.86	20	
Trichloroethene	45.350	5.0	50.00	0	90.7	70	130	40.84	10.5	20	
Surr: 1,2-Dichloroethane-d4	44.150		50.00		88.3	68	147		0	20	
Surr: 4-Bromofluorobenzene	47.740		50.00		95.5	67	127		0	20	
Surr: Dibromofluoromethane	48.230		50.00		96.5	72	141		0	20	
Surr: Toluene-d8	53.450		50.00		107	75	120		0	20	

Sample ID: T090423MB2		SampType: MBLK		TestCode: 8260_S_5035		Units: µg/Kg		Prep Date:		RunNo: 108434		
Client ID: PBS		Batch ID: T09VS106		TestNo: EPA 8260B				Analysis Date: 4/23/2009		SeqNo: 1701976		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane		ND	5.0									
1,1,1-Trichloroethane		ND	5.0									
1,1,2,2-Tetrachloroethane		ND	5.0									
1,1,2-Trichloroethane		ND	5.0									
1,1-Dichloroethane		ND	5.0									
1,1-Dichloroethene		ND	5.0									
1,1-Dichloropropene		ND	5.0									
1,2,3-Trichlorobenzene		ND	5.0									
1,2,3-Trichloropropane		ND	5.0									
1,2,4-Trichlorobenzene		ND	5.0									
1,2,4-Trimethylbenzene		ND	5.0									
1,2-Dibromo-3-chloropropane		ND	10									
1,2-Dibromoethane		ND	5.0									
1,2-Dichlorobenzene		ND	5.0									
1,2-Dichloroethane		ND	5.0									
1,2-Dichloropropane		ND	5.0									
1,3,5-Trimethylbenzene		ND	5.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



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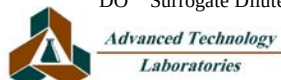
ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S_5035

Sample ID: T090423MB2	SampType: MBLK	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date:					RunNo: 108434		
Client ID: PBS	Batch ID: T09VS106	TestNo: EPA 8260B		Analysis Date: 4/23/2009					SeqNo: 1701976		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,3-Dichlorobenzene	ND	5.0									
1,3-Dichloropropane	ND	5.0									
1,4-Dichlorobenzene	ND	5.0									
2,2-Dichloropropane	ND	5.0									
2-Chlorotoluene	ND	5.0									
4-Chlorotoluene	ND	5.0									
4-Isopropyltoluene	ND	5.0									
Benzene	ND	5.0									
Bromobenzene	ND	5.0									
Bromodichloromethane	ND	5.0									
Bromoform	ND	5.0									
Bromomethane	ND	5.0									
Carbon tetrachloride	ND	5.0									
Chlorobenzene	ND	5.0									
Chloroethane	ND	5.0									
Chloroform	ND	5.0									
Chloromethane	ND	5.0									
cis-1,2-Dichloroethene	ND	5.0									
cis-1,3-Dichloropropene	ND	5.0									
Dibromochloromethane	ND	5.0									
Dibromomethane	ND	5.0									
Dichlorodifluoromethane	ND	5.0									
Ethylbenzene	ND	5.0									
Hexachlorobutadiene	ND	5.0									
Isopropylbenzene	ND	5.0									
m,p-Xylene	ND	10									
Methylene chloride	ND	5.0									
n-Butylbenzene	ND	5.0									
n-Propylbenzene	ND	5.0									
Naphthalene	ND	5.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



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CLIENT: Ninyo & Moore
Work Order: 105148
Project: 207126015

ANALYTICAL QC SUMMARY REPORT

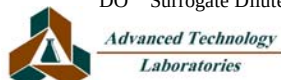
TestCode: 8260_S_5035

Sample ID: T090423MB2		SampType: MBLK		TestCode: 8260_S_5035		Units: µg/Kg		Prep Date:			RunNo: 108434	
Client ID: PBS		Batch ID: T09VS106		TestNo: EPA 8260B		Analysis Date: 4/23/2009			SeqNo: 1701976			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
o-Xylene		ND	5.0									
sec-Butylbenzene		ND	5.0									
Styrene		ND	5.0									
tert-Butylbenzene		ND	5.0									
Tetrachloroethene		ND	5.0									
Toluene		ND	5.0									
trans-1,2-Dichloroethene		ND	5.0									
Trichloroethene		ND	5.0									
Trichlorofluoromethane		ND	5.0									
Vinyl chloride		ND	5.0									
Surr: 1,2-Dichloroethane-d4		45.560		50.00		91.1	68	147				
Surr: 4-Bromofluorobenzene		48.250		50.00		96.5	67	127				
Surr: Dibromofluoromethane		47.800		50.00		95.6	72	141				
Surr: Toluene-d8		53.240		50.00		106	75	120				

Sample ID: 105191-002ADUP	SampType: DUP	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date:				RunNo: 108434			
Client ID: ZZZZZZ	Batch ID: T09VS106	TestNo: EPA 8260B	Analysis Date: 4/23/2009				SeqNo: 1701978				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0						0	0	20	
1,1,1-Trichloroethane	ND	5.0						0	0	20	
1,1,2,2-Tetrachloroethane	ND	5.0						0	0	20	
1,1,2-Trichloroethane	ND	5.0						0	0	20	
1,1-Dichloroethane	ND	5.0						0	0	20	
1,1-Dichloroethene	ND	5.0						0	0	20	
1,1-Dichloropropene	ND	5.0						0	0	20	
1,2,3-Trichlorobenzene	ND	5.0						0	0	20	
1,2,3-Trichloropropane	ND	5.0						0	0	20	
1,2,4-Trichlorobenzene	ND	5.0						0	0	20	
1,2,4-Trimethylbenzene	ND	5.0						0	0	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



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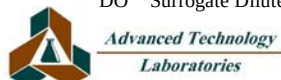
ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S_5035

Sample ID: 105191-002ADUP		SampType: DUP		TestCode: 8260_S_5035		Units: µg/Kg		Prep Date:		RunNo: 108434	
Client ID: ZZZZZZ		Batch ID: T09VS106		TestNo: EPA 8260B		Analysis Date: 4/23/2009		SeqNo: 1701978			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dibromo-3-chloropropane	ND	10						0	0	20	
1,2-Dibromoethane	ND	5.0						0	0	20	
1,2-Dichlorobenzene	ND	5.0						0	0	20	
1,2-Dichloroethane	ND	5.0						0	0	20	
1,2-Dichloropropane	ND	5.0						0	0	20	
1,3,5-Trimethylbenzene	ND	5.0						0	0	20	
1,3-Dichlorobenzene	ND	5.0						0	0	20	
1,3-Dichloropropane	ND	5.0						0	0	20	
1,4-Dichlorobenzene	ND	5.0						0	0	20	
2,2-Dichloropropane	ND	5.0						0	0	20	
2-Chlorotoluene	ND	5.0						0	0	20	
4-Chlorotoluene	ND	5.0						0	0	20	
4-Isopropyltoluene	ND	5.0						0	0	20	
Benzene	ND	5.0						0	0	20	
Bromobenzene	ND	5.0						0	0	20	
Bromodichloromethane	ND	5.0						0	0	20	
Bromoform	ND	5.0						0	0	20	
Bromomethane	ND	5.0						0	0	20	
Carbon tetrachloride	ND	5.0						0	0	20	
Chlorobenzene	ND	5.0						0	0	20	
Chloroethane	ND	5.0						0	0	20	
Chloroform	ND	5.0						0	0	20	
Chloromethane	ND	5.0						0	0	20	
cis-1,2-Dichloroethene	ND	5.0						0	0	20	
cis-1,3-Dichloropropene	ND	5.0						0	0	20	
Dibromochloromethane	ND	5.0						0	0	20	
Dibromomethane	ND	5.0						0	0	20	
Dichlorodifluoromethane	ND	5.0						0	0	20	
Ethylbenzene	ND	5.0						0	0	20	
Hexachlorobutadiene	ND	5.0						0	0	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out	Calculations are based on raw values			



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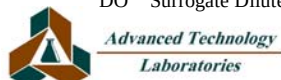
ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S_5035

Sample ID: 105191-002ADUP	SampType: DUP	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date:				RunNo: 108434			
Client ID: ZZZZZZ	Batch ID: T09VS106	TestNo: EPA 8260B		Analysis Date: 4/23/2009				SeqNo: 1701978			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Isopropylbenzene	ND	5.0						0	0	20	
m,p-Xylene	ND	10						0	0	20	
Methylene chloride	ND	5.0						0	0	20	
n-Butylbenzene	ND	5.0						0	0	20	
n-Propylbenzene	ND	5.0						0	0	20	
Naphthalene	ND	5.0						0	0	20	
o-Xylene	ND	5.0						0	0	20	
sec-Butylbenzene	ND	5.0						0	0	20	
Styrene	ND	5.0						0	0	20	
tert-Butylbenzene	ND	5.0						0	0	20	
Tetrachloroethene	ND	5.0						0	0	20	
Toluene	ND	5.0						0	0	20	
trans-1,2-Dichloroethene	ND	5.0						0	0	20	
Trichloroethene	ND	5.0						0	0	20	
Trichlorofluoromethane	ND	5.0						0	0	20	
Vinyl chloride	ND	5.0						0	0	20	
Surr: 1,2-Dichloroethane-d4	45.710		50.00		91.4	68	147		0	20	
Surr: 4-Bromofluorobenzene	47.000		50.00		94.0	67	127		0	20	
Surr: Dibromofluoromethane	49.060		50.00		98.1	72	141		0	20	
Surr: Toluene-d8	52.990		50.00		106	75	120		0	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



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Project: 207126015

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP

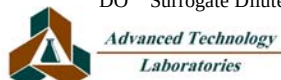
Sample ID: Q090422LCS1		SampType: LCS	TestCode: 8260_WP		Units: µg/L	Prep Date:			RunNo: 108404		
Client ID: LCSW	Batch ID: Q09VW081		TestNo: EPA 8260B			Analysis Date: 4/22/2009			SeqNo: 1701556		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	18.470	5.0	20.00	0	92.4	70	130				
Benzene	40.010	5.0	40.00	0	100	70	130				
Chlorobenzene	21.630	5.0	20.00	0	108	70	130				
MTBE	19.050	5.0	20.00	0	95.2	70	130				
Toluene	39.710	5.0	40.00	0	99.3	70	130				
Trichloroethene	17.240	5.0	20.00	0	86.2	70	130				
Surr: 1,2-Dichloroethane-d4	20.990		25.00		84.0	70	130				
Surr: 4-Bromofluorobenzene	26.320		25.00		105	70	130				
Surr: Dibromofluoromethane	23.820		25.00		95.3	70	130				
Surr: Toluene-d8	24.220		25.00		96.9	70	130				

Sample ID: Q090422MB2MS	SampType: MS	TestCode: 8260_WP	Units: µg/L	Prep Date:				RunNo: 108404			
Client ID: ZZZZZZ	Batch ID: Q09VW081	TestNo: EPA 8260B	Analysis Date: 4/22/2009				SeqNo: 1701557				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	19.560	5.0	20.00	0	97.8	70	130				
Benzene	39.550	5.0	40.00	0	98.9	70	130				
Chlorobenzene	21.100	5.0	20.00	0	106	70	130				
Toluene	40.570	5.0	40.00	0	101	70	130				
Trichloroethene	17.640	5.0	20.00	0	88.2	70	130				
Surr: 1,2-Dichloroethane-d4	20.900		25.00		83.6	70	130				
Surr: 4-Bromofluorobenzene	26.200		25.00		105	70	130				
Surr: Dibromofluoromethane	23.100		25.00		92.4	70	130				
Surr: Toluene-d8	24.020		25.00		96.1	70	130				

Sample ID: Q090422MB2MSD	SampType: MSD	TestCode: 8260_WP	Units: µg/L	Prep Date:	RunNo: 108404						
Client ID: ZZZZZZ	Batch ID: Q09VW081	TestNo: EPA 8260B		Analysis Date: 4/22/2009	SeqNo: 1701558						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	19.150	5.0	20.00	0	95.8	70	130	19.56	2.12	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



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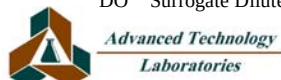
TestCode: 8260_WP

Sample ID: Q090422MB2MSD	SampType: MSD	TestCode: 8260_WP	Units: µg/L	Prep Date:	RunNo: 108404						
Client ID: ZZZZZZ	Batch ID: Q09VW081	TestNo: EPA 8260B		Analysis Date: 4/22/2009	SeqNo: 1701558						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	39.910	5.0	40.00	0	99.8	70	130	39.55	0.906	20	
Chlorobenzene	20.870	5.0	20.00	0	104	70	130	21.10	1.10	20	
Toluene	39.260	5.0	40.00	0	98.2	70	130	40.57	3.28	20	
Trichloroethene	17.610	5.0	20.00	0	88.0	70	130	17.64	0.170	20	
Surr: 1,2-Dichloroethane-d4	20.310		25.00		81.2	70	130		0	20	
Surr: 4-Bromofluorobenzene	25.510		25.00		102	70	130		0	20	
Surr: Dibromofluoromethane	23.250		25.00		93.0	70	130		0	20	
Surr: Toluene-d8	23.480		25.00		93.9	70	130		0	20	

Sample ID: Q090422MB2		SampType: MBLK		TestCode: 8260_WP		Units: µg/L		Prep Date:		RunNo: 108404		
Client ID: PBW		Batch ID: Q09VW081		TestNo: EPA 8260B				Analysis Date: 4/22/2009		SeqNo: 1701559		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane		ND	5.0									
1,1,1-Trichloroethane		ND	5.0									
1,1,2,2-Tetrachloroethane		ND	5.0									
1,1,2-Trichloroethane		ND	5.0									
1,1-Dichloroethane		ND	5.0									
1,1-Dichloroethene		ND	5.0									
1,1-Dichloropropene		ND	5.0									
1,2,3-Trichlorobenzene		ND	5.0									
1,2,3-Trichloropropane		ND	5.0									
1,2,4-Trichlorobenzene		ND	5.0									
1,2,4-Trimethylbenzene		ND	5.0									
1,2-Dibromo-3-chloropropane		ND	5.0									
1,2-Dibromoethane		ND	5.0									
1,2-Dichlorobenzene		ND	5.0									
1,2-Dichloroethane		ND	5.0									
1,2-Dichloropropane		ND	5.0									
1,3,5-Trimethylbenzene		ND	5.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



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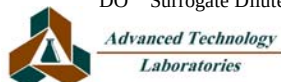
ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP

Sample ID: Q090422MB2	SampType: MBLK	TestCode: 8260_WP	Units: µg/L	Prep Date:	RunNo: 108404						
Client ID: PBW	Batch ID: Q09VW081	TestNo: EPA 8260B		Analysis Date: 4/22/2009	SeqNo: 1701559						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,3-Dichlorobenzene	ND	5.0									
1,3-Dichloropropane	ND	5.0									
1,4-Dichlorobenzene	ND	5.0									
2,2-Dichloropropane	ND	5.0									
2-Chlorotoluene	ND	5.0									
4-Chlorotoluene	ND	5.0									
4-Isopropyltoluene	ND	5.0									
Benzene	ND	5.0									
Bromobenzene	ND	5.0									
Bromodichloromethane	ND	5.0									
Bromoform	ND	5.0									
Bromomethane	ND	5.0									
Carbon tetrachloride	ND	5.0									
Chlorobenzene	ND	5.0									
Chloroethane	ND	5.0									
Chloroform	ND	5.0									
Chloromethane	ND	5.0									
cis-1,2-Dichloroethene	ND	5.0									
cis-1,3-Dichloropropene	ND	5.0									
Dibromochloromethane	ND	5.0									
Dibromomethane	ND	5.0									
Dichlorodifluoromethane	ND	5.0									
Ethylbenzene	ND	5.0									
Hexachlorobutadiene	ND	5.0									
Isopropylbenzene	ND	5.0									
m,p-Xylene	ND	10									
Methylene chloride	ND	5.0									
n-Butylbenzene	ND	5.0									
n-Propylbenzene	ND	5.0									
Naphthalene	ND	5.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



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Work Order: 105148
Project: 207126015

ANALYTICAL QC SUMMARY REPORT

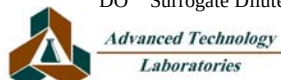
TestCode: 8260_WP

Sample ID: Q090422MB2		SampType: MBLK	TestCode: 8260_WP		Units: µg/L	Prep Date:				RunNo: 108404		
Client ID: PBW	Batch ID: Q09VW081		TestNo: EPA 8260B			Analysis Date: 4/22/2009				SeqNo: 1701559		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
o-Xylene	ND	5.0										
sec-Butylbenzene	ND	5.0										
Styrene	ND	5.0										
tert-Butylbenzene	ND	5.0										
Tetrachloroethene	ND	5.0										
Toluene	ND	5.0										
trans-1,2-Dichloroethene	ND	5.0										
Trichloroethene	ND	5.0										
Trichlorofluoromethane	ND	5.0										
Vinyl chloride	ND	5.0										
Surr: 1,2-Dichloroethane-d4	22.260		25.00		89.0	70	130					
Surr: 4-Bromofluorobenzene	26.840		25.00		107	70	130					
Surr: Dibromofluoromethane	23.450		25.00		93.8	70	130					
Surr: Toluene-d8	23.280		25.00		93.1	70	130					

Sample ID: 105148-024F	SampType: DUP	TestCode: 8260_WP	Units: µg/L	Prep Date:				RunNo: 108404			
Client ID: QCEB	Batch ID: Q09VW081	TestNo: EPA 8260B	Analysis Date: 4/22/2009				SeqNo: 1701562				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0						0	0	20	
1,1,1-Trichloroethane	ND	5.0						0	0	20	
1,1,2,2-Tetrachloroethane	ND	5.0						0	0	20	
1,1,2-Trichloroethane	ND	5.0						0	0	20	
1,1-Dichloroethane	ND	5.0						0	0	20	
1,1-Dichloroethene	ND	5.0						0	0	20	
1,1-Dichloropropene	ND	5.0						0	0	20	
1,2,3-Trichlorobenzene	ND	5.0						0	0	20	
1,2,3-Trichloropropane	ND	5.0						0	0	20	
1,2,4-Trichlorobenzene	ND	5.0						0	0	20	
1,2,4-Trimethylbenzene	ND	5.0						0	0	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



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Work Order: 105148
Project: 207126015

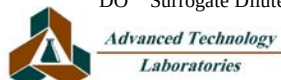
ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP

Sample ID: 105148-024F	SampType: DUP	TestCode: 8260_WP	Units: µg/L	Prep Date:				RunNo: 108404			
Client ID: QCEB	Batch ID: Q09VW081	TestNo: EPA 8260B	Analysis Date: 4/22/2009				SeqNo: 1701562				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dibromo-3-chloropropane	ND	5.0						0	0	20	
1,2-Dibromoethane	ND	5.0						0	0	20	
1,2-Dichlorobenzene	ND	5.0						0	0	20	
1,2-Dichloroethane	ND	5.0						0	0	20	
1,2-Dichloropropane	ND	5.0						0	0	20	
1,3,5-Trimethylbenzene	ND	5.0						0	0	20	
1,3-Dichlorobenzene	ND	5.0						0	0	20	
1,3-Dichloropropane	ND	5.0						0	0	20	
1,4-Dichlorobenzene	ND	5.0						0	0	20	
2,2-Dichloropropane	ND	5.0						0	0	20	
2-Butanone	ND	50						0	0	20	
2-Chloroethyl vinyl ether	ND	5.0						0	0	20	
2-Chlorotoluene	ND	5.0						0	0	20	
2-Hexanone	ND	50						0	0	20	
4-Chlorotoluene	ND	5.0						0	0	20	
4-Isopropyltoluene	ND	5.0						0	0	20	
4-Methyl-2-pentanone	ND	50						0	0	20	
Acetone	ND	50						0	0	20	
Acrolein	ND	50						0	0	20	
Acrylonitrile	ND	50						0	0	20	
Benzene	ND	5.0						0	0	20	
Bromobenzene	ND	5.0						0	0	20	
Bromochloromethane	ND	5.0						0	0	20	
Bromodichloromethane	ND	5.0						0	0	20	
Bromoform	ND	5.0						0	0	20	
Bromomethane	ND	5.0						0	0	20	
Carbon disulfide	ND	5.0						0	0	20	
Carbon tetrachloride	ND	5.0						0	0	20	
Chlorobenzene	ND	5.0						0	0	20	
Chloroethane	ND	5.0						0	0	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
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DO	Surrogate Diluted Out		Calculations are based on raw values		



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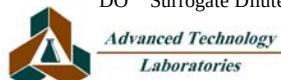
ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP

Sample ID: 105148-024F	SampType: DUP	TestCode: 8260_WP	Units: µg/L	Prep Date:	RunNo: 108404						
Client ID: QCEB	Batch ID: Q09VW081	TestNo: EPA 8260B		Analysis Date: 4/22/2009	SeqNo: 1701562						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloroform	ND	5.0						0	0	20	
Chloromethane	ND	5.0						0	0	20	
cis-1,2-Dichloroethene	ND	5.0						0	0	20	
cis-1,3-Dichloropropene	ND	5.0						0	0	20	
Cyclohexanone	ND	50						0	0	20	
Di-isopropyl ether	ND	5.0						0	0	20	
Dibromochloromethane	ND	5.0						0	0	20	
Dibromomethane	ND	5.0						0	0	20	
Dichlorodifluoromethane	ND	5.0						0	0	20	
Ethyl Acetate	ND	50						0	0	20	
Ethyl Ether	ND	50						0	0	20	
Ethyl tert-butyl ether	ND	5.0						0	0	20	
Ethylbenzene	ND	5.0						0	0	20	
Freon-113	ND	5.0						0	0	20	
Hexachlorobutadiene	ND	5.0						0	0	20	
Iodomethane	ND	5.0						0	0	20	
Isopropylbenzene	ND	5.0						0	0	20	
m,p-Xylene	ND	10						0	0	20	
Methylene chloride	ND	5.0						0	0	20	
MTBE	ND	5.0						0	0	20	
n-Butylbenzene	ND	5.0						0	0	20	
n-Propylbenzene	ND	5.0						0	0	20	
Naphthalene	ND	5.0						0	0	20	
o-Xylene	ND	5.0						0	0	20	
sec-Butylbenzene	ND	5.0						0	0	20	
Styrene	ND	5.0						0	0	20	
Tert-amyl methyl ether	ND	5.0						0	0	20	
Tert-Butanol	ND	100						0	0	20	
tert-Butylbenzene	ND	5.0						0	0	20	
Tetrachloroethene	ND	5.0						0	0	20	

Qualifiers:

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DO	Surrogate Diluted Out		Calculations are based on raw values		



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Work Order: 105148
Project: 207126015

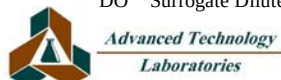
ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP

Sample ID: 105148-024F	SampType: DUP	TestCode: 8260_WP	Units: µg/L	Prep Date:				RunNo: 108404			
Client ID: QCEB	Batch ID: Q09VW081	TestNo: EPA 8260B	Analysis Date: 4/22/2009				SeqNo: 1701562				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Toluene	ND	5.0						0	0	20	
trans-1,2-Dichloroethene	ND	5.0						0	0	20	
trans-1,3-Dichloropropene	ND	5.0						0	0	20	
Trichloroethene	ND	5.0						0	0	20	
Trichlorofluoromethane	ND	5.0						0	0	20	
Vinyl acetate	ND	50						0	0	20	
Vinyl chloride	ND	5.0						0	0	20	
Xylenes, Total	ND	15						0	0	20	
Surr: 1,2-Dichloroethane-d4	23.040		25.00		92.2	70	130		0	20	
Surr: 4-Bromofluorobenzene	27.210		25.00		109	70	130		0	20	
Surr: Dibromofluoromethane	24.600		25.00		98.4	70	130		0	20	
Surr: Toluene-d8	22.910		25.00		91.6	70	130		0	20	

Qualifiers:

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Project: 207126015

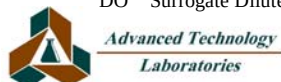
ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: MB-54926	SampType: MBLK	TestCode: 8270_S_FUL	Units: µg/Kg	Prep Date: 4/22/2009	RunNo: 108422						
Client ID: PBS	Batch ID: 54926	TestNo: EPA 8270C	EPA 3550B	Analysis Date: 4/23/2009	SeqNo: 1701105						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	ND	330									
1,2-Dichlorobenzene	ND	330									
1,3-Dichlorobenzene	ND	330									
1,4-Dichlorobenzene	ND	330									
2,4,5-Trichlorophenol	ND	330									
2,4,6-Trichlorophenol	ND	330									
2,4-Dichlorophenol	ND	1600									
2,4-Dimethylphenol	ND	330									
2,4-Dinitrophenol	ND	1600									
2,4-Dinitrotoluene	ND	330									
2,6-Dinitrotoluene	ND	330									
2-Chloronaphthalene	ND	330									
2-Chlorophenol	ND	330									
2-Methylnaphthalene	ND	330									
2-Methylphenol	ND	330									
2-Nitroaniline	ND	1600									
2-Nitrophenol	ND	330									
3,3´-Dichlorobenzidine	ND	660									
3-Nitroaniline	ND	1600									
4,6-Dinitro-2-methylphenol	ND	1600									
4-Bromophenyl-phenylether	ND	330									
4-Chloro-3-methylphenol	ND	660									
4-Chloroaniline	ND	660									
4-Chlorophenyl-phenylether	ND	330									
4-Methylphenol	ND	330									
4-Nitroaniline	ND	1600									
4-Nitrophenol	ND	1600									
Acenaphthene	ND	330									
Acenaphthylene	ND	330									
Anthracene	ND	330									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
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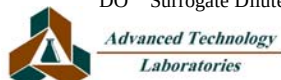
ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: MB-54926	SampType: MBLK	TestCode: 8270_S_FUL	Units: µg/Kg	Prep Date: 4/22/2009	RunNo: 108422						
Client ID: PBS	Batch ID: 54926	TestNo: EPA 8270C	EPA 3550B	Analysis Date: 4/23/2009	SeqNo: 1701105						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benidine (M)	ND	1600									
Benzo(a)anthracene	ND	330									
Benzo(a)pyrene	ND	330									
Benzo(b)fluoranthene	ND	330									
Benzo(g,h,i)perylene	ND	330									
Benzo(k)fluoranthene	ND	330									
Benzoic acid	ND	1600									
Benzyl alcohol	ND	660									
Bis(2-chloroethoxy)methane	ND	330									
Bis(2-chloroethyl)ether	ND	330									
Bis(2-chloroisopropyl)ether	ND	330									
Bis(2-ethylhexyl)phthalate	ND	330									
Butylbenzylphthalate	ND	330									
Chrysene	ND	330									
Di-n-butylphthalate	ND	330									
Di-n-octylphthalate	ND	330									
Dibenz(a,h)anthracene	ND	330									
Dibenzofuran	ND	330									
Diethylphthalate	ND	330									
Dimethylphthalate	ND	330									
Fluoranthene	ND	330									
Fluorene	ND	330									
Hexachlorobenzene	ND	330									
Hexachlorobutadiene	ND	660									
Hexachlorocyclopentadiene	ND	660									
Hexachloroethane	ND	330									
Indeno(1,2,3-cd)pyrene	ND	330									
Isophorone	ND	330									
N-Nitrosodi-n-propylamine	ND	330									
N-Nitrosodiphenylamine	ND	330									

Qualifiers:

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ANALYTICAL QC SUMMARY REPORT

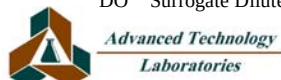
TestCode: 8270_S_FULL

Sample ID: MB-54926		SampType: MBLK		TestCode: 8270_S_FUL		Units: µg/Kg		Prep Date: 4/22/2009		RunNo: 108422		
Client ID: PBS		Batch ID: 54926		TestNo: EPA 8270C		EPA 3550B		Analysis Date: 4/23/2009		SeqNo: 1701105		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene		ND	330									
Nitrobenzene		ND	330									
Pentachlorophenol		ND	1600									
Phenanthrene		ND	330									
Phenol		ND	330									
Pyrene		ND	330									
Surr: 1,2-Dichlorobenzene-d4		2937.667		3330		88.2	49	103				
Surr: 2,4,6-Tribromophenol		2628.000		3330		78.9	47	129				
Surr: 2-Chlorophenol-d4		3056.333		3330		91.8	54	109				
Surr: 2-Fluorobiphenyl		3235.667		3330		97.2	59	108				
Surr: 2-Fluorophenol		3030.333		3330		91.0	50	111				
Surr: 4-Terphenyl-d14		4446.000		3330		134	58	135				
Surr: Nitrobenzene-d5		3080.000		3330		92.5	54	115				
Surr: Phenol-d5		3089.333		3330		92.8	58	112				

Sample ID: LCS-54926	SampType: LCS	TestCode: 8270_S_FUL	Units: µg/Kg	Prep Date: 4/22/2009	RunNo: 108422						
Client ID: LCSS	Batch ID: 54926	TestNo: EPA 8270C	EPA 3550B	Analysis Date: 4/23/2009	SeqNo: 1701106						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	3240.000	330	3330	0	97.3	61	107				
1,4-Dichlorobenzene	3026.333	330	3330	0	90.9	56	100				
2,4-Dinitrotoluene	3481.333	330	3330	0	105	72	130				
2-Chlorophenol	3200.333	330	3330	0	96.1	64	105				
4-Chloro-3-methylphenol	3658.667	660	3330	0	110	74	125				
4-Nitrophenol	3501.000	1600	3330	0	105	77	137				
Acenaphthene	3461.333	330	3330	0	104	63	117				
N-Nitrosodi-n-propylamine	3391.000	330	3330	0	102	71	121				
Pentachlorophenol	3145.333	1600	3330	0	94.5	69	125				
Phenol	3324.333	330	3330	0	99.8	67	111				
Pyrene	3285.000	330	3330	0	98.6	60	122				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



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ANALYTICAL QC SUMMARY REPORT

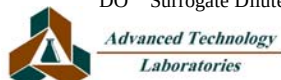
TestCode: 8270_S_FULL

Sample ID: LCS-54926	SampType: LCS	TestCode: 8270_S_FUL	Units: µg/Kg	Prep Date: 4/22/2009	RunNo: 108422						
Client ID: LCSS	Batch ID: 54926	TestNo: EPA 8270C	EPA 3550B	Analysis Date: 4/23/2009	SeqNo: 1701106						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 1,2-Dichlorobenzene-d4	2959.667		3330		88.9	49	103				
Surr: 2,4,6-Tribromophenol	3157.333		3330		94.8	47	129				
Surr: 2-Chlorophenol-d4	3033.000		3330		91.1	54	109				
Surr: 2-Fluorobiphenyl	3492.667		3330		105	59	108				
Surr: 2-Fluorophenol	2880.333		3330		86.5	50	111				
Surr: 4-Terphenyl-d14	3647.333		3330		110	58	135				
Surr: Nitrobenzene-d5	3123.333		3330		93.8	54	115				
Surr: Phenol-d5	3064.000		3330		92.0	58	112				

Sample ID: 105139-032AMS	SampType: MS	TestCode: 8270_S_FUL	Units: µg/Kg	Prep Date: 4/22/2009	RunNo: 108422						
Client ID: ZZZZZZ	Batch ID: 54926	TestNo: EPA 8270C	EPA 3550B	Analysis Date: 4/23/2009	SeqNo: 1701107						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	3219.667	330	3330	0	96.7	60	105				
1,4-Dichlorobenzene	2879.000	330	3330	0	86.5	50	99				
2,4-Dinitrotoluene	3671.000	330	3330	0	110	70	130				
2-Chlorophenol	3339.000	330	3330	0	100	58	107				
4-Chloro-3-methylphenol	3749.333	660	3330	0	113	72	124				
4-Nitrophenol	3638.000	1600	3330	0	109	69	139				
Acenaphthene	3465.000	330	3330	0	104	59	118				
N-Nitrosodi-n-propylamine	3387.000	330	3330	0	102	61	125				
Pentachlorophenol	3142.667	1600	3330	0	94.4	56	131				
Phenol	3426.667	330	3330	178.3	97.5	60	113				
Pyrene	3380.333	330	3330	0	102	51	130				
Surr: 1,2-Dichlorobenzene-d4	2819.000		3330		84.7	49	103				
Surr: 2,4,6-Tribromophenol	3317.333		3330		99.6	47	129				
Surr: 2-Chlorophenol-d4	3081.667		3330		92.5	54	109				
Surr: 2-Fluorobiphenyl	3489.667		3330		105	59	108				
Surr: 2-Fluorophenol	2946.000		3330		88.5	50	111				
Surr: 4-Terphenyl-d14	3944.333		3330		118	58	135				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



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Work Order: 105148
Project: 207126015

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: 105139-032AMS	SampType: MS	TestCode: 8270_S_FUL	Units: µg/Kg	Prep Date: 4/22/2009	RunNo: 108422						
Client ID: ZZZZZZ	Batch ID: 54926	TestNo: EPA 8270C	EPA 3550B	Analysis Date: 4/23/2009	SeqNo: 1701107						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

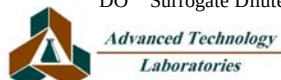
Surr: Nitrobenzene-d5	3004.000		3330		90.2	54	115				
Surr: Phenol-d5	3121.667		3330		93.7	58	112				

Sample ID: 105139-032AMSD	SampType: MSD	TestCode: 8270_S_FUL	Units: µg/Kg	Prep Date: 4/22/2009	RunNo: 108422						
Client ID: ZZZZZZ	Batch ID: 54926	TestNo: EPA 8270C	EPA 3550B	Analysis Date: 4/23/2009	SeqNo: 1701108						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,2,4-Trichlorobenzene	3298.000	330	3330	0	99.0	60	105	3220	2.40	20	
1,4-Dichlorobenzene	2945.000	330	3330	0	88.4	50	99	2879	2.27	20	
2,4-Dinitrotoluene	3692.000	330	3330	0	111	70	130	3671	0.570	20	
2-Chlorophenol	3359.667	330	3330	0	101	58	107	3339	0.617	20	
4-Chloro-3-methylphenol	3783.000	660	3330	0	114	72	124	3749	0.894	20	
4-Nitrophenol	3638.333	1600	3330	0	109	69	139	3638	0.00916	20	
Acenaphthene	3527.000	330	3330	0	106	59	118	3465	1.77	20	
N-Nitrosodi-n-propylamine	3397.333	330	3330	0	102	61	125	3387	0.305	20	
Pentachlorophenol	3167.333	1600	3330	0	95.1	56	131	3143	0.782	20	
Phenol	3446.000	330	3330	178.3	98.1	60	113	3427	0.563	20	
Pyrene	3407.667	330	3330	0	102	51	130	3380	0.805	20	
Surr: 1,2-Dichlorobenzene-d4	2867.667		3330		86.1	49	103		0	0	
Surr: 2,4,6-Tribromophenol	3360.333		3330		101	47	129		0	0	
Surr: 2-Chlorophenol-d4	3124.000		3330		93.8	54	109		0	0	
Surr: 2-Fluorobiphenyl	3515.000		3330		106	59	108		0	0	
Surr: 2-Fluorophenol	2987.333		3330		89.7	50	111		0	0	
Surr: 4-Terphenyl-d14	3971.000		3330		119	58	135		0	0	
Surr: Nitrobenzene-d5	3117.667		3330		93.6	54	115		0	0	
Surr: Phenol-d5	3163.000		3330		95.0	58	112		0	0	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out	Calculations are based on raw values			



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Work Order: 105148
Project: 207126015

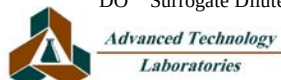
ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: 105139-027ADUP	SampType: DUP	TestCode: 8270_S_FUL	Units: µg/Kg	Prep Date: 4/22/2009	RunNo: 108422						
Client ID: ZZZZZZ	Batch ID: 54926	TestNo: EPA 8270C	EPA 3550B	Analysis Date: 4/24/2009	SeqNo: 1702819						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	ND	330						0	0	20	
1,2-Dichlorobenzene	ND	330						0	0	20	
1,3-Dichlorobenzene	ND	330						0	0	20	
1,4-Dichlorobenzene	ND	330						0	0	20	
2,4,5-Trichlorophenol	ND	330						0	0	20	
2,4,6-Trichlorophenol	ND	330						0	0	20	
2,4-Dichlorophenol	ND	1600						0	0	20	
2,4-Dimethylphenol	ND	330						0	0	20	
2,4-Dinitrophenol	ND	1600						0	0	20	
2,4-Dinitrotoluene	ND	330						0	0	20	
2,6-Dinitrotoluene	ND	330						0	0	20	
2-Chloronaphthalene	ND	330						0	0	20	
2-Chlorophenol	ND	330						0	0	20	
2-Methylnaphthalene	ND	330						0	0	20	
2-Methylphenol	ND	330						0	0	20	
2-Nitroaniline	ND	1600						0	0	20	
2-Nitrophenol	ND	330						0	0	20	
3,3´-Dichlorobenzidine	ND	660						0	0	20	
3-Nitroaniline	ND	1600						0	0	20	
4,6-Dinitro-2-methylphenol	ND	1600						0	0	20	
4-Bromophenyl-phenylether	ND	330						0	0	20	
4-Chloro-3-methylphenol	ND	660						0	0	20	
4-Chloroaniline	ND	660						0	0	20	
4-Chlorophenyl-phenylether	ND	330						0	0	20	
4-Methylphenol	ND	330						0	0	20	
4-Nitroaniline	ND	1600						0	0	20	
4-Nitrophenol	ND	1600						0	0	20	
Acenaphthene	ND	330						0	0	20	
Acenaphthylene	ND	330						0	0	20	
Anthracene	ND	330						0	0	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
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DO	Surrogate Diluted Out		Calculations are based on raw values		



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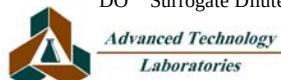
ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: 105139-027ADUP	SampType: DUP	TestCode: 8270_S_FUL	Units: µg/Kg	Prep Date: 4/22/2009	RunNo: 108422						
Client ID: ZZZZZZ	Batch ID: 54926	TestNo: EPA 8270C	EPA 3550B	Analysis Date: 4/24/2009	SeqNo: 1702819						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzydine (M)	ND	1600						0	0	20	
Benzo(a)anthracene	ND	330						0	0	20	
Benzo(a)pyrene	ND	330						0	0	20	
Benzo(b)fluoranthene	ND	330						0	0	20	
Benzo(g,h,i)perylene	ND	330						0	0	20	
Benzo(k)fluoranthene	ND	330						0	0	20	
Benzoic acid	ND	1600						0	0	20	
Benzyl alcohol	ND	660						0	0	20	
Bis(2-chloroethoxy)methane	ND	330						0	0	20	
Bis(2-chloroethyl)ether	ND	330						0	0	20	
Bis(2-chloroisopropyl)ether	ND	330						0	0	20	
Bis(2-ethylhexyl)phthalate	ND	330						0	0	20	
Butylbenzylphthalate	ND	330						0	0	20	
Chrysene	ND	330						0	0	20	
Di-n-butylphthalate	ND	330						0	0	20	
Di-n-octylphthalate	ND	330						0	0	20	
Dibenz(a,h)anthracene	ND	330						0	0	20	
Dibenzofuran	ND	330						0	0	20	
Diethylphthalate	ND	330						0	0	20	
Dimethylphthalate	ND	330						0	0	20	
Fluoranthene	ND	330						0	0	20	
Fluorene	ND	330						0	0	20	
Hexachlorobenzene	ND	330						0	0	20	
Hexachlorobutadiene	ND	660						0	0	20	
Hexachlorocyclopentadiene	ND	660						0	0	20	
Hexachloroethane	ND	330						0	0	20	
Indeno(1,2,3-cd)pyrene	ND	330						0	0	20	
Isophorone	ND	330						0	0	20	
N-Nitrosodi-n-propylamine	ND	330						0	0	20	
N-Nitrosodiphenylamine	ND	330						0	0	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
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DO	Surrogate Diluted Out		Calculations are based on raw values		



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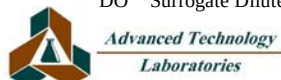
ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: 105139-027ADUP	SampType: DUP	TestCode: 8270_S_FUL	Units: µg/Kg	Prep Date: 4/22/2009	RunNo: 108422						
Client ID: ZZZZZZ	Batch ID: 54926	TestNo: EPA 8270C	EPA 3550B	Analysis Date: 4/24/2009	SeqNo: 1702819						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	ND	330						0	0	20	
Nitrobenzene	ND	330						0	0	20	
Pentachlorophenol	ND	1600						0	0	20	
Phenanthrene	ND	330						0	0	20	
Phenol	ND	330						537.7	0	20	
Pyrene	ND	330						0	0	20	
Surr: 1,2-Dichlorobenzene-d4	2811.667		3330		84.4	49	103		0	0	
Surr: 2,4,6-Tribromophenol	2886.333		3330		86.7	47	129		0	0	
Surr: 2-Chlorophenol-d4	3013.333		3330		90.5	54	109		0	0	
Surr: 2-Fluorobiphenyl	3383.333		3330		102	59	108		0	0	
Surr: 2-Fluorophenol	2956.667		3330		88.8	50	111		0	0	
Surr: 4-Terphenyl-d14	4393.333		3330		132	58	135		0	0	
Surr: Nitrobenzene-d5	3071.667		3330		92.2	54	115		0	0	
Surr: Phenol-d5	3152.667		3330		94.7	58	112		0	0	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



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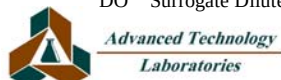
ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: MB-54928	SampType: MBLK	TestCode: 8270_S_FUL	Units: µg/Kg	Prep Date: 4/22/2009	RunNo: 108467						
Client ID: PBS	Batch ID: 54928	TestNo: EPA 8270C	EPA 3550B	Analysis Date: 4/23/2009	SeqNo: 1701952						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	ND	330									
1,2-Dichlorobenzene	ND	330									
1,3-Dichlorobenzene	ND	330									
1,4-Dichlorobenzene	ND	330									
2,4,5-Trichlorophenol	ND	330									
2,4,6-Trichlorophenol	ND	330									
2,4-Dichlorophenol	ND	1600									
2,4-Dimethylphenol	ND	330									
2,4-Dinitrophenol	ND	1600									
2,4-Dinitrotoluene	ND	330									
2,6-Dinitrotoluene	ND	330									
2-Chloronaphthalene	ND	330									
2-Chlorophenol	ND	330									
2-Methylnaphthalene	ND	330									
2-Methylphenol	ND	330									
2-Nitroaniline	ND	1600									
2-Nitrophenol	ND	330									
3,3´-Dichlorobenzidine	ND	660									
3-Nitroaniline	ND	1600									
4,6-Dinitro-2-methylphenol	ND	1600									
4-Bromophenyl-phenylether	ND	330									
4-Chloro-3-methylphenol	ND	660									
4-Chloroaniline	ND	660									
4-Chlorophenyl-phenylether	ND	330									
4-Methylphenol	ND	330									
4-Nitroaniline	ND	1600									
4-Nitrophenol	ND	1600									
Acenaphthene	ND	330									
Acenaphthylene	ND	330									
Anthracene	ND	330									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
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DO	Surrogate Diluted Out		Calculations are based on raw values		



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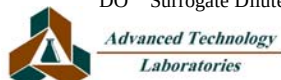
ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: MB-54928	SampType: MBLK	TestCode: 8270_S_FUL	Units: µg/Kg	Prep Date: 4/22/2009	RunNo: 108467						
Client ID: PBS	Batch ID: 54928	TestNo: EPA 8270C	EPA 3550B	Analysis Date: 4/23/2009	SeqNo: 1701952						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzydine (M)	ND	1600									
Benzo(a)anthracene	ND	330									
Benzo(a)pyrene	ND	330									
Benzo(b)fluoranthene	ND	330									
Benzo(g,h,i)perylene	ND	330									
Benzo(k)fluoranthene	ND	330									
Benzoic acid	ND	1600									
Benzyl alcohol	ND	660									
Bis(2-chloroethoxy)methane	ND	330									
Bis(2-chloroethyl)ether	ND	330									
Bis(2-chloroisopropyl)ether	ND	330									
Bis(2-ethylhexyl)phthalate	ND	330									
Butylbenzylphthalate	ND	330									
Chrysene	ND	330									
Di-n-butylphthalate	ND	330									
Di-n-octylphthalate	ND	330									
Dibenz(a,h)anthracene	ND	330									
Dibenzofuran	ND	330									
Diethylphthalate	ND	330									
Dimethylphthalate	ND	330									
Fluoranthene	ND	330									
Fluorene	ND	330									
Hexachlorobenzene	ND	330									
Hexachlorobutadiene	ND	660									
Hexachlorocyclopentadiene	ND	660									
Hexachloroethane	ND	330									
Indeno(1,2,3-cd)pyrene	ND	330									
Isophorone	ND	330									
N-Nitrosodi-n-propylamine	ND	330									
N-Nitrosodiphenylamine	ND	330									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
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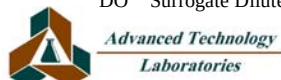
TestCode: 8270_S_FULL

Sample ID: MB-54928		SampType: MBLK		TestCode: 8270_S_FUL		Units: µg/Kg		Prep Date: 4/22/2009		RunNo: 108467		
Client ID: PBS		Batch ID: 54928		TestNo: EPA 8270C		EPA 3550B		Analysis Date: 4/23/2009		SeqNo: 1701952		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene		ND	330									
Nitrobenzene		ND	330									
Pentachlorophenol		ND	1600									
Phenanthrene		ND	330									
Phenol		ND	330									
Pyrene		ND	330									
Surr: 1,2-Dichlorobenzene-d4		2772.333		3330		83.3	49	103				
Surr: 2,4,6-Tribromophenol		3002.667		3330		90.2	47	129				
Surr: 2-Chlorophenol-d4		2853.000		3330		85.7	54	109				
Surr: 2-Fluorobiphenyl		3021.333		3330		90.7	59	108				
Surr: 2-Fluorophenol		2899.333		3330		87.1	50	111				
Surr: 4-Terphenyl-d14		3519.333		3330		106	58	135				
Surr: Nitrobenzene-d5		3346.333		3330		100	54	115				
Surr: Phenol-d5		2991.333		3330		89.8	58	112				

Sample ID: LCS-54928		SampType: LCS	TestCode: 8270_S_FUL		Units: µg/Kg	Prep Date: 4/22/2009			RunNo: 108467		
Client ID: LCSS	Batch ID: 54928		TestNo: EPA 8270C		EPA 3550B	Analysis Date: 4/23/2009			SeqNo: 1701953		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	3227.333	330	3330	0	96.9	61	107				
1,4-Dichlorobenzene	2840.667	330	3330	0	85.3	56	100				
2,4-Dinitrotoluene	3410.333	330	3330	0	102	72	130				
2-Chlorophenol	2991.333	330	3330	0	89.8	64	105				
4-Chloro-3-methylphenol	3560.333	660	3330	0	107	74	125				
4-Nitrophenol	4124.667	1600	3330	0	124	77	137				
Acenaphthene	3321.333	330	3330	0	99.7	63	117				
N-Nitrosodi-n-propylamine	3453.333	330	3330	0	104	71	121				
Pentachlorophenol	3524.000	1600	3330	0	106	69	125				
Phenol	3187.000	330	3330	0	95.7	67	111				
Pyrene	3170.667	330	3330	0	95.2	60	122				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



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ANALYTICAL QC SUMMARY REPORT

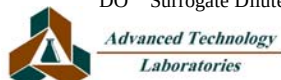
TestCode: 8270_S_FULL

Sample ID: LCS-54928	SampType: LCS	TestCode: 8270_S_FUL	Units: µg/Kg	Prep Date: 4/22/2009	RunNo: 108467						
Client ID: LCSS	Batch ID: 54928	TestNo: EPA 8270C	EPA 3550B	Analysis Date: 4/23/2009	SeqNo: 1701953						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 1,2-Dichlorobenzene-d4	2734.667		3330		82.1	49	103				
Surr: 2,4,6-Tribromophenol	3529.333		3330		106	47	129				
Surr: 2-Chlorophenol-d4	2797.000		3330		84.0	54	109				
Surr: 2-Fluorobiphenyl	3278.000		3330		98.4	59	108				
Surr: 2-Fluorophenol	2807.000		3330		84.3	50	111				
Surr: 4-Terphenyl-d14	3116.667		3330		93.6	58	135				
Surr: Nitrobenzene-d5	3293.000		3330		98.9	54	115				
Surr: Phenol-d5	2949.333		3330		88.6	58	112				

Sample ID: 105148-005AMS		SampType: MS	TestCode: 8270_S_FUL		Units: µg/Kg	Prep Date: 4/22/2009			RunNo: 108467		
Client ID:	1001-110-20-S	Batch ID: 54928	TestNo: EPA 8270C		EPA 3550B	Analysis Date: 4/23/2009			SeqNo: 1701954		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	2973.000	330	3330	0	89.3	60	105				
1,4-Dichlorobenzene	2544.667	330	3330	0	76.4	50	99				
2,4-Dinitrotoluene	3280.667	330	3330	0	98.5	70	130				
2-Chlorophenol	2807.333	330	3330	0	84.3	58	107				
4-Chloro-3-methylphenol	3412.000	660	3330	0	102	72	124				
4-Nitrophenol	3886.667	1600	3330	0	117	69	139				
Acenaphthene	3134.000	330	3330	0	94.1	59	118				
N-Nitrosodi-n-propylamine	3363.000	330	3330	0	101	61	125				
Pentachlorophenol	3268.000	1600	3330	0	98.1	56	131				
Phenol	3076.000	330	3330	165.0	87.4	60	113				
Pyrene	3084.000	330	3330	0	92.6	51	130				
Surr: 1,2-Dichlorobenzene-d4	2438.000		3330		73.2	49	103				
Surr: 2,4,6-Tribromophenol	3268.333		3330		98.1	47	129				
Surr: 2-Chlorophenol-d4	2610.000		3330		78.4	54	109				
Surr: 2-Fluorobiphenyl	2956.667		3330		88.8	59	108				
Surr: 2-Fluorophenol	2625.000		3330		78.8	50	111				
Surr: 4-Terphenyl-d14	3062.333		3330		92.0	58	135				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



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Work Order: 105148
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ANALYTICAL QC SUMMARY REPORT

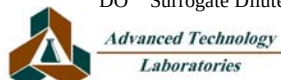
TestCode: 8270_S_FULL

Sample ID: 105148-005AMS		SampType: MS	TestCode: 8270_S_FUL		Units: µg/Kg	Prep Date: 4/22/2009			RunNo: 108467		
Client ID: 1001-110-20-S	Batch ID: 54928		TestNo: EPA 8270C		EPA 3550B	Analysis Date: 4/23/2009			SeqNo: 1701954		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Nitrobenzene-d5	3016.667		3330		90.6	54	115				
Surr: Phenol-d5	2754.667		3330		82.7	58	112				

Sample ID: 105148-005AMSD		SampType: MSD	TestCode: 8270_S_FUL		Units: µg/Kg	Prep Date: 4/22/2009			RunNo: 108467		
Client ID:	1001-110-20-S	Batch ID: 54928	TestNo: EPA 8270C		EPA 3550B	Analysis Date: 4/23/2009			SeqNo: 1701955		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	3165.667	330	3330	0	95.1	60	105	2973	6.28	20	
1,4-Dichlorobenzene	2699.667	330	3330	0	81.1	50	99	2545	5.91	20	
2,4-Dinitrotoluene	3459.333	330	3330	0	104	70	130	3281	5.30	20	
2-Chlorophenol	3078.667	330	3330	0	92.5	58	107	2807	9.22	20	
4-Chloro-3-methylphenol	3641.667	660	3330	0	109	72	124	3412	6.51	20	
4-Nitrophenol	4011.333	1600	3330	0	120	69	139	3887	3.16	20	
Acenaphthene	3308.333	330	3330	0	99.3	59	118	3134	5.41	20	
N-Nitrosodi-n-propylamine	3557.000	330	3330	0	107	61	125	3363	5.61	20	
Pentachlorophenol	3454.000	1600	3330	0	104	56	131	3268	5.53	20	
Phenol	3304.667	330	3330	165.0	94.3	60	113	3076	7.17	20	
Pyrene	3255.000	330	3330	0	97.7	51	130	3084	5.40	20	
Surr: 1,2-Dichlorobenzene-d4	2603.000		3330		78.2	49	103		0	0	
Surr: 2,4,6-Tribromophenol	3460.000		3330		104	47	129		0	0	
Surr: 2-Chlorophenol-d4	2875.333		3330		86.3	54	109		0	0	
Surr: 2-Fluorobiphenyl	3219.000		3330		96.7	59	108		0	0	
Surr: 2-Fluorophenol	2847.333		3330		85.5	50	111		0	0	
Surr: 4-Terphenyl-d14	3291.667		3330		98.8	58	135		0	0	
Surr: Nitrobenzene-d5	3245.667		3330		97.5	54	115		0	0	
Surr: Phenol-d5	3002.333		3330		90.2	58	112		0	0	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



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Work Order: 105148
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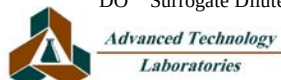
ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: 105148-010ADUP		SampType: DUP		TestCode: 8270_S_FUL		Units: µg/Kg		Prep Date: 4/22/2009		RunNo: 108467	
Client ID: 1001-108-2-S		Batch ID: 54928		TestNo: EPA 8270C		EPA 3550B		Analysis Date: 4/23/2009		SeqNo: 1701961	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	ND	330						0	0	20	
1,2-Dichlorobenzene	ND	330						0	0	20	
1,2-Diphenylhydrazine	ND	330						0	0	20	
1,3-Dichlorobenzene	ND	330						0	0	20	
1,4-Dichlorobenzene	ND	330						0	0	20	
1,4-Dioxane	ND	330						0	0	20	
2,4,5-Trichlorophenol	ND	330						0	0	20	
2,4,6-Trichlorophenol	ND	330						0	0	20	
2,4-Dichlorophenol	ND	1600						0	0	20	
2,4-Dimethylphenol	ND	330						0	0	20	
2,4-Dinitrophenol	ND	1600						0	0	20	
2,4-Dinitrotoluene	ND	330						0	0	20	
2,6-Dinitrotoluene	ND	330						0	0	20	
2-Chloronaphthalene	ND	330						0	0	20	
2-Chlorophenol	ND	330						0	0	20	
2-Methylnaphthalene	ND	330						0	0	20	
2-Methylphenol	ND	330						0	0	20	
2-Nitroaniline	ND	1600						0	0	20	
2-Nitrophenol	ND	330						0	0	20	
3,3´-Dichlorobenzidine	ND	660						0	0	20	
3-Nitroaniline	ND	1600						0	0	20	
4,6-Dinitro-2-methylphenol	ND	1600						0	0	20	
4-Bromophenyl-phenylether	ND	330						0	0	20	
4-Chloro-3-methylphenol	ND	660						0	0	20	
4-Chloroaniline	ND	660						0	0	20	
4-Chlorophenyl-phenylether	ND	330						0	0	20	
3/4-Methylphenol	ND	330						0	0	20	
4-Methylphenol	ND	330						0	0	20	
4-Nitroaniline	ND	1600						0	0	20	
4-Nitrophenol	ND	1600						0	0	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
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DO	Surrogate Diluted Out		Calculations are based on raw values		



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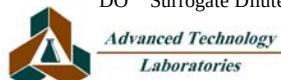
ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: 105148-010ADUP		SampType: DUP		TestCode: 8270_S_FUL		Units: µg/Kg		Prep Date: 4/22/2009		RunNo: 108467	
Client ID: 1001-108-2-S		Batch ID: 54928		TestNo: EPA 8270C		EPA 3550B		Analysis Date: 4/23/2009		SeqNo: 1701961	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	ND	330						0	0	20	
Acenaphthylene	ND	330						0	0	20	
Aniline	ND	330						0	0	20	
Anthracene	ND	330						0	0	20	
Benzidine (M)	ND	1600						0	0	20	
Benzo(a)anthracene	ND	330						0	0	20	
Benzo(a)pyrene	ND	330						0	0	20	
Benzo(b)fluoranthene	ND	330						0	0	20	
Benzo(g,h,i)perylene	ND	330						0	0	20	
Benzo(k)fluoranthene	ND	330						0	0	20	
Benzoic acid	ND	1600						0	0	20	
Benzyl alcohol	ND	660						0	0	20	
Bis(2-chloroethoxy)methane	ND	330						0	0	20	
Bis(2-chloroethyl)ether	ND	330						0	0	20	
Bis(2-chloroisopropyl)ether	ND	330						0	0	20	
Bis(2-ethylhexyl)phthalate	ND	330						0	0	20	
Butylbenzylphthalate	ND	330						0	0	20	
Carbazole	ND	330						0	0	20	
Chrysene	ND	330						0	0	20	
Di-n-butylphthalate	ND	330						0	0	20	
Di-n-octylphthalate	ND	330						0	0	20	
Dibenz(a,h)anthracene	ND	330						0	0	20	
Dibenzofuran	ND	330						0	0	20	
Diethylphthalate	ND	330						0	0	20	
Dimethylphthalate	ND	330						0	0	20	
Fluoranthene	ND	330						0	0	20	
Fluorene	ND	330						0	0	20	
Hexachlorobenzene	ND	330						0	0	20	
Hexachlorobutadiene	ND	660						0	0	20	
Hexachlorocyclopentadiene	ND	660						0	0	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
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DO	Surrogate Diluted Out		Calculations are based on raw values		



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CLIENT: Ninyo & Moore
Work Order: 105148
Project: 207126015

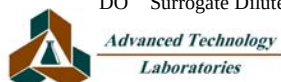
ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: 105148-010ADUP		SampType: DUP		TestCode: 8270_S_FUL		Units: µg/Kg		Prep Date: 4/22/2009		RunNo: 108467		
Client ID: 1001-108-2-S		Batch ID: 54928		TestNo: EPA 8270C		EPA 3550B		Analysis Date: 4/23/2009		SeqNo: 1701961		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hexachloroethane		ND	330						0	0	20	
Indeno(1,2,3-cd)pyrene		ND	330						0	0	20	
Isophorone		ND	330						0	0	20	
N-Nitrosodi-n-propylamine		ND	330						0	0	20	
N-Nitrosodimethylamine		ND	330						0	0	20	
N-Nitrosodiphenylamine		ND	330						0	0	20	
Naphthalene		ND	330						0	0	20	
Nitrobenzene		ND	330						0	0	20	
Pentachlorophenol		ND	1600						0	0	20	
Phenanthrene		ND	330						0	0	20	
Phenol		ND	330						244.7	0	20	
Pyrene		ND	330						0	0	20	
Pyridine		ND	1600						0	0	20	
Surr: 1,2-Dichlorobenzene-d4		2381.000		3330		71.5	49	103		0	0	
Surr: 2,4,6-Tribromophenol		3386.667		3330		102	47	129		0	0	
Surr: 2-Chlorophenol-d4		2710.667		3330		81.4	54	109		0	0	
Surr: 2-Fluorobiphenyl		2968.667		3330		89.1	59	108		0	0	
Surr: 2-Fluorophenol		2738.667		3330		82.2	50	111		0	0	
Surr: 4-Terphenyl-d14		3639.000		3330		109	58	135		0	0	
Surr: Nitrobenzene-d5		3087.000		3330		92.7	54	115		0	0	
Surr: Phenol-d5		2833.000		3330		85.1	58	112		0	0	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
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DO	Surrogate Diluted Out		Calculations are based on raw values		



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ANALYTICAL QC SUMMARY REPORT

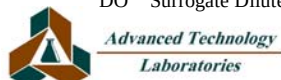
TestCode: 8270_S_FULL

Sample ID: LCS-54950	SampType: LCS	TestCode: 8270_S_FUL	Units: µg/Kg	Prep Date: 4/23/2009	RunNo: 108507						
Client ID: LCSS	Batch ID: 54950	TestNo: EPA 8270C	EPA 3550B	Analysis Date: 4/24/2009	SeqNo: 1702826						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	3258.667	330	3330	0	97.9	61	107				
1,4-Dichlorobenzene	2845.667	330	3330	0	85.5	56	100				
2,4-Dinitrotoluene	3604.000	330	3330	0	108	72	130				
2-Chlorophenol	2962.000	330	3330	0	88.9	64	105				
4-Chloro-3-methylphenol	3808.333	660	3330	0	114	74	125				
4-Nitrophenol	3816.333	1600	3330	0	115	77	137				
Acenaphthene	3494.667	330	3330	0	105	63	117				
N-Nitrosodi-n-propylamine	3334.333	330	3330	0	100	71	121				
Pentachlorophenol	3131.000	1600	3330	0	94.0	69	125				
Phenol	3128.333	330	3330	0	93.9	67	111				
Pyrene	3599.333	330	3330	0	108	60	122				
Surr: 1,2-Dichlorobenzene-d4	2775.333		3330		83.3	49	103				
Surr: 2,4,6-Tribromophenol	3158.000		3330		94.8	47	129				
Surr: 2-Chlorophenol-d4	2778.333		3330		83.4	54	109				
Surr: 2-Fluorobiphenyl	3261.333		3330		97.9	59	108				
Surr: 2-Fluorophenol	2580.000		3330		77.5	50	111				
Surr: 4-Terphenyl-d14	3333.000		3330		100	58	135				
Surr: Nitrobenzene-d5	3028.667		3330		91.0	54	115				
Surr: Phenol-d5	2846.333		3330		85.5	58	112				

Sample ID: 105148-023AMSD	SampType: MSD	TestCode: 8270_S_FUL	Units: µg/Kg	Prep Date: 4/23/2009	RunNo: 108507						
Client ID: 1001-107-20-S	Batch ID: 54950	TestNo: EPA 8270C	EPA 3550B	Analysis Date: 4/24/2009	SeqNo: 1702828						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	3480.667	330	3330	0	105	60	105	3261	6.53	20	
1,4-Dichlorobenzene	3075.667	330	3330	0	92.4	50	99	3017	1.94	20	
2,4-Dinitrotoluene	3692.333	330	3330	0	111	70	130	3700	0.207	20	
2-Chlorophenol	3284.000	330	3330	0	98.6	58	107	3328	1.33	20	
4-Chloro-3-methylphenol	3771.000	660	3330	0	113	72	124	3738	0.870	20	
4-Nitrophenol	3366.000	1600	3330	0	101	69	139	4026	17.8	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
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DO	Surrogate Diluted Out	Calculations are based on raw values			



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ANALYTICAL QC SUMMARY REPORT

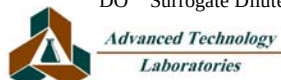
TestCode: 8270_S_FULL

Sample ID: 105148-023AMSD		SampType: MSD	TestCode: 8270_S_FUL		Units: µg/Kg	Prep Date: 4/23/2009			RunNo: 108507		
Client ID:	1001-107-20-S	Batch ID: 54950	TestNo: EPA 8270C		EPA 3550B	Analysis Date: 4/24/2009			SeqNo: 1702828		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	3526.000	330	3330	0	106	59	118	3503	0.654	20	
N-Nitrosodi-n-propylamine	3407.000	330	3330	0	102	61	125	3563	4.49	20	
Pentachlorophenol	3052.333	1600	3330	0	91.7	56	131	3350	9.31	20	
Phenol	3368.667	330	3330	0	101	60	113	3480	3.26	20	
Pyrene	3671.667	330	3330	0	110	51	130	3464	5.81	20	
Surr: 1,2-Dichlorobenzene-d4	3031.667		3330		91.0	49	103		0	0	
Surr: 2,4,6-Tribromophenol	3094.333		3330		92.9	47	129		0	0	
Surr: 2-Chlorophenol-d4	3041.333		3330		91.3	54	109		0	0	
Surr: 2-Fluorobiphenyl	3388.667		3330		102	59	108		0	0	
Surr: 2-Fluorophenol	2846.333		3330		85.5	50	111		0	0	
Surr: 4-Terphenyl-d14	3427.000		3330		103	58	135		0	0	
Surr: Nitrobenzene-d5	3129.667		3330		94.0	54	115		0	0	
Surr: Phenol-d5	3075.000		3330		92.3	58	112		0	0	

Sample ID: MB-54950	SampType: MBLK	TestCode: 8270_S_FUL	Units: µg/Kg	Prep Date: 4/23/2009	RunNo: 108507						
Client ID: PBS	Batch ID: 54950	TestNo: EPA 8270C	EPA 3550B	Analysis Date: 4/24/2009	SeqNo: 1702829						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	ND	330									
1,2-Dichlorobenzene	ND	330									
1,3-Dichlorobenzene	ND	330									
1,4-Dichlorobenzene	ND	330									
2,4,5-Trichlorophenol	ND	330									
2,4,6-Trichlorophenol	ND	330									
2,4-Dichlorophenol	ND	1600									
2,4-Dimethylphenol	ND	330									
2,4-Dinitrophenol	ND	1600									
2,4-Dinitrotoluene	ND	330									
2,6-Dinitrotoluene	ND	330									
2-Chloronaphthalene	ND	330									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
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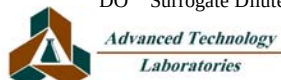
ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: MB-54950	SampType: MBLK	TestCode: 8270_S_FUL	Units: µg/Kg	Prep Date: 4/23/2009	RunNo: 108507						
Client ID: PBS	Batch ID: 54950	TestNo: EPA 8270C	EPA 3550B	Analysis Date: 4/24/2009	SeqNo: 1702829						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Chlorophenol	ND	330									
2-Methylnaphthalene	ND	330									
2-Methylphenol	ND	330									
2-Nitroaniline	ND	1600									
2-Nitrophenol	ND	330									
3,3´-Dichlorobenzidine	ND	660									
3-Nitroaniline	ND	1600									
4,6-Dinitro-2-methylphenol	ND	1600									
4-Bromophenyl-phenylether	ND	330									
4-Chloro-3-methylphenol	ND	660									
4-Chloroaniline	ND	660									
4-Chlorophenyl-phenylether	ND	330									
4-Methylphenol	ND	330									
4-Nitroaniline	ND	1600									
4-Nitrophenol	ND	1600									
Acenaphthene	ND	330									
Acenaphthylene	ND	330									
Anthracene	ND	330									
Benzidine (M)	ND	1600									
Benzo(a)anthracene	ND	330									
Benzo(a)pyrene	ND	330									
Benzo(b)fluoranthene	ND	330									
Benzo(g,h,i)perylene	ND	330									
Benzo(k)fluoranthene	ND	330									
Benzoic acid	ND	1600									
Benzyl alcohol	ND	660									
Bis(2-chloroethoxy)methane	ND	330									
Bis(2-chloroethyl)ether	ND	330									
Bis(2-chloroisopropyl)ether	ND	330									
Bis(2-ethylhexyl)phthalate	ND	330									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
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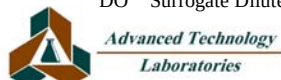
ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: MB-54950	SampType: MBLK	TestCode: 8270_S_FUL	Units: µg/Kg	Prep Date: 4/23/2009	RunNo: 108507						
Client ID: PBS	Batch ID: 54950	TestNo: EPA 8270C	EPA 3550B	Analysis Date: 4/24/2009	SeqNo: 1702829						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Butylbenzylphthalate	ND	330									
Chrysene	ND	330									
Di-n-butylphthalate	ND	330									
Di-n-octylphthalate	ND	330									
Dibenz(a,h)anthracene	ND	330									
Dibenzofuran	ND	330									
Diethylphthalate	ND	330									
Dimethylphthalate	ND	330									
Fluoranthene	ND	330									
Fluorene	ND	330									
Hexachlorobenzene	ND	330									
Hexachlorobutadiene	ND	660									
Hexachlorocyclopentadiene	ND	660									
Hexachloroethane	ND	330									
Indeno(1,2,3-cd)pyrene	ND	330									
Isophorone	ND	330									
N-Nitrosodi-n-propylamine	ND	330									
N-Nitrosodiphenylamine	ND	330									
Naphthalene	ND	330									
Nitrobenzene	ND	330									
Pentachlorophenol	ND	1600									
Phenanthrene	ND	330									
Phenol	ND	330									
Pyrene	ND	330									
Surr: 1,2-Dichlorobenzene-d4	2895.000		3330		86.9	49	103				
Surr: 2,4,6-Tribromophenol	2540.000		3330		76.3	47	129				
Surr: 2-Chlorophenol-d4	2888.000		3330		86.7	54	109				
Surr: 2-Fluorobiphenyl	3063.667		3330		92.0	59	108				
Surr: 2-Fluorophenol	2732.667		3330		82.1	50	111				
Surr: 4-Terphenyl-d14	3925.333		3330		118	58	135				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
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Project: 207126015

ANALYTICAL QC SUMMARY REPORT

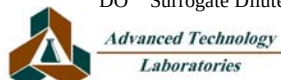
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Sample ID: MB-54950		SampType: MBLK		TestCode: 8270_S_FUL		Units: µg/Kg		Prep Date: 4/23/2009			RunNo: 108507		
Client ID: PBS		Batch ID: 54950		TestNo: EPA 8270C		EPA 3550B		Analysis Date: 4/24/2009			SeqNo: 1702829		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Nitrobenzene-d5		2960.667			3330		88.9	54	115				
Surr: Phenol-d5		2895.000			3330		86.9	58	112				

Sample ID: 105148-019ADUP		SampType: DUP		TestCode: 8270_S_FUL		Units: µg/Kg		Prep Date: 4/23/2009		RunNo: 108556	
Client ID: 1001-106-20D-S		Batch ID: 54950		TestNo: EPA 8270C		EPA 3550B		Analysis Date: 4/28/2009		SeqNo: 1703594	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	ND	330						0	0	20	
1,2-Dichlorobenzene	ND	330						0	0	20	
1,2-Diphenylhydrazine	ND	330						0	0	20	
1,3-Dichlorobenzene	ND	330						0	0	20	
1,4-Dichlorobenzene	ND	330						0	0	20	
1,4-Dioxane	ND	330						0	0	20	
2,4,5-Trichlorophenol	ND	330						0	0	20	
2,4,6-Trichlorophenol	ND	330						0	0	20	
2,4-Dichlorophenol	ND	1600						0	0	20	
2,4-Dimethylphenol	ND	330						0	0	20	
2,4-Dinitrophenol	ND	1600						0	0	20	
2,4-Dinitrotoluene	ND	330						0	0	20	
2,6-Dinitrotoluene	ND	330						0	0	20	
2-Chloronaphthalene	ND	330						0	0	20	
2-Chlorophenol	ND	330						0	0	20	
2-Methylnaphthalene	ND	330						0	0	20	
2-Methylphenol	ND	330						0	0	20	
2-Nitroaniline	ND	1600						0	0	20	
2-Nitrophenol	ND	330						0	0	20	
3,3'-Dichlorobenzidine	ND	660						0	0	20	
3-Nitroaniline	ND	1600						0	0	20	
4,6-Dinitro-2-methylphenol	ND	1600						0	0	20	
4-Bromophenyl-phenylether	ND	330						0	0	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out	Calculations are based on raw values			



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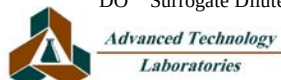
ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: 105148-019ADUP	SampType: DUP	TestCode: 8270_S_FUL	Units: µg/Kg	Prep Date: 4/23/2009	RunNo: 108556						
Client ID: 1001-106-20D-S	Batch ID: 54950	TestNo: EPA 8270C	EPA 3550B	Analysis Date: 4/28/2009	SeqNo: 1703594						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4-Chloro-3-methylphenol	ND	660						0	0	20	
4-Chloroaniline	ND	660						0	0	20	
4-Chlorophenyl-phenylether	ND	330						0	0	20	
3/4-Methylphenol	ND	330						0	0	20	
4-Methylphenol	ND	330						0	0	20	
4-Nitroaniline	ND	1600						0	0	20	
4-Nitrophenol	ND	1600						0	0	20	
Acenaphthene	ND	330						0	0	20	
Acenaphthylene	ND	330						0	0	20	
Aniline	ND	330						0	0	20	
Anthracene	ND	330						0	0	20	
Benidine (M)	ND	1600						0	0	20	
Benzo(a)anthracene	ND	330						0	0	20	
Benzo(a)pyrene	ND	330						0	0	20	
Benzo(b)fluoranthene	ND	330						0	0	20	
Benzo(g,h,i)perylene	ND	330						0	0	20	
Benzo(k)fluoranthene	ND	330						0	0	20	
Benzoic acid	ND	1600						0	0	20	
Benzyl alcohol	ND	660						0	0	20	
Bis(2-chloroethoxy)methane	ND	330						0	0	20	
Bis(2-chloroethyl)ether	ND	330						0	0	20	
Bis(2-chloroisopropyl)ether	ND	330						0	0	20	
Bis(2-ethylhexyl)phthalate	ND	330						0	0	20	
Butylbenzylphthalate	ND	330						0	0	20	
Carbazole	ND	330						0	0	20	
Chrysene	ND	330						0	0	20	
Di-n-butylphthalate	ND	330						0	0	20	
Di-n-octylphthalate	ND	330						0	0	20	
Dibenz(a,h)anthracene	ND	330						0	0	20	
Dibenzofuran	ND	330						0	0	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
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DO	Surrogate Diluted Out		Calculations are based on raw values		



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Project: 207126015

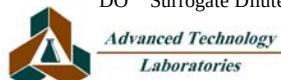
ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: 105148-019ADUP		SampType: DUP		TestCode: 8270_S_FUL		Units: µg/Kg		Prep Date: 4/23/2009		RunNo: 108556		
Client ID: 1001-106-20D-S		Batch ID: 54950		TestNo: EPA 8270C		EPA 3550B		Analysis Date: 4/28/2009		SeqNo: 1703594		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diethylphthalate		ND	330						0	0	20	
Dimethylphthalate		ND	330						0	0	20	
Fluoranthene		ND	330						0	0	20	
Fluorene		ND	330						0	0	20	
Hexachlorobenzene		ND	330						0	0	20	
Hexachlorobutadiene		ND	660						0	0	20	
Hexachlorocyclopentadiene		ND	660						0	0	20	
Hexachloroethane		ND	330						0	0	20	
Indeno(1,2,3-cd)pyrene		ND	330						0	0	20	
Isophorone		ND	330						0	0	20	
N-Nitrosodi-n-propylamine		ND	330						0	0	20	
N-Nitrosodimethylamine		ND	330						0	0	20	
N-Nitrosodiphenylamine		ND	330						0	0	20	
Naphthalene		ND	330						0	0	20	
Nitrobenzene		ND	330						0	0	20	
Pentachlorophenol		ND	1600						0	0	20	
Phenanthrene		ND	330						0	0	20	
Phenol		ND	330						0	0	20	
Pyrene		ND	330						0	0	20	
Pyridine		ND	1600						0	0	20	
Surr: 1,2-Dichlorobenzene-d4		2787.667		3330		83.7	49	103		0	0	
Surr: 2,4,6-Tribromophenol		3113.000		3330		93.5	47	129		0	0	
Surr: 2-Chlorophenol-d4		2990.333		3330		89.8	54	109		0	0	
Surr: 2-Fluorobiphenyl		3275.333		3330		98.4	59	108		0	0	
Surr: 2-Fluorophenol		3059.667		3330		91.9	50	111		0	0	
Surr: 4-Terphenyl-d14		3620.667		3330		109	58	135		0	0	
Surr: Nitrobenzene-d5		3184.333		3330		95.6	54	115		0	0	
Surr: Phenol-d5		3137.667		3330		94.2	58	112		0	0	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
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DO	Surrogate Diluted Out		Calculations are based on raw values		



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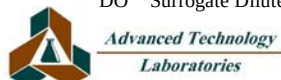
ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: 105148-023AMS	SampType: MS	TestCode: 8270_S_FUL	Units: µg/Kg	Prep Date: 4/23/2009	RunNo: 108556						
Client ID: 1001-107-20-S	Batch ID: 54950	TestNo: EPA 8270C	EPA 3550B	Analysis Date: 4/28/2009	SeqNo: 1703771						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	3260.667	330	3330	0	97.9	60	105				
1,4-Dichlorobenzene	3016.667	330	3330	0	90.6	50	99				
2,4-Dinitrotoluene	3700.000	330	3330	0	111	70	130				
2-Chlorophenol	3328.000	330	3330	0	99.9	58	107				
4-Chloro-3-methylphenol	3738.333	660	3330	0	112	72	124				
4-Nitrophenol	4025.667	1600	3330	0	121	69	139				
Acenaphthene	3503.000	330	3330	0	105	59	118				
N-Nitrosodi-n-propylamine	3563.333	330	3330	0	107	61	125				
Pentachlorophenol	3350.333	1600	3330	0	101	56	131				
Phenol	3480.333	330	3330	0	105	60	113				
Pyrene	3464.333	330	3330	0	104	51	130				
Surr: 1,2-Dichlorobenzene-d4	2951.333		3330		88.6	49	103				
Surr: 2,4,6-Tribromophenol	3333.333		3330		100	47	129				
Surr: 2-Chlorophenol-d4	3041.333		3330		91.3	54	109				
Surr: 2-Fluorobiphenyl	3400.667		3330		102	59	108				
Surr: 2-Fluorophenol	3147.333		3330		94.5	50	111				
Surr: 4-Terphenyl-d14	3381.333		3330		102	58	135				
Surr: Nitrobenzene-d5	3301.333		3330		99.1	54	115				
Surr: Phenol-d5	3156.333		3330		94.8	58	112				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



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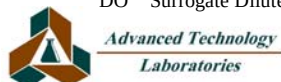
ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_W_FULL

Sample ID: MB-54957	SampType: MBLK	TestCode: 8270_W_FUL	Units: µg/L	Prep Date: 4/23/2009	RunNo: 108532						
Client ID: PBW	Batch ID: 54957	TestNo: EPA 8270C	EPA 3510C	Analysis Date: 4/27/2009	SeqNo: 1703230						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	ND	10									
1,2-Dichlorobenzene	ND	10									
1,3-Dichlorobenzene	ND	10									
1,4-Dichlorobenzene	ND	10									
2,4,5-Trichlorophenol	ND	10									
2,4,6-Trichlorophenol	ND	10									
2,4-Dichlorophenol	ND	10									
2,4-Dimethylphenol	ND	10									
2,4-Dinitrophenol	ND	50									
2,4-Dinitrotoluene	ND	10									
2,6-Dinitrotoluene	ND	10									
2-Chloronaphthalene	ND	10									
2-Chlorophenol	ND	10									
2-Methylnaphthalene	ND	10									
2-Methylphenol	ND	10									
2-Nitroaniline	ND	50									
2-Nitrophenol	ND	10									
3,3´-Dichlorobenzidine	ND	20									
3-Nitroaniline	ND	50									
4,6-Dinitro-2-methylphenol	ND	50									
4-Bromophenyl-phenylether	ND	10									
4-Chloro-3-methylphenol	ND	50									
4-Chloroaniline	ND	20									
4-Chlorophenyl-phenylether	ND	10									
4-Methylphenol	ND	10									
4-Nitroaniline	ND	20									
4-Nitrophenol	ND	50									
Acenaphthene	ND	10									
Acenaphthylene	ND	10									
Anthracene	ND	10									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



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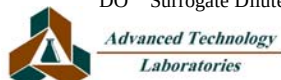
ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_W_FULL

Sample ID: MB-54957	SampType: MBLK	TestCode: 8270_W_FUL	Units: µg/L	Prep Date: 4/23/2009	RunNo: 108532						
Client ID: PBW	Batch ID: 54957	TestNo: EPA 8270C	EPA 3510C	Analysis Date: 4/27/2009	SeqNo: 1703230						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzydine (M)	ND	50									
Benzo(a)anthracene	ND	10									
Benzo(a)pyrene	ND	10									
Benzo(b)fluoranthene	ND	10									
Benzo(g,h,i)perylene	ND	10									
Benzo(k)fluoranthene	ND	10									
Benzoic acid	ND	50									
Benzyl alcohol	ND	20									
Bis(2-chloroethoxy)methane	ND	10									
Bis(2-chloroethyl)ether	ND	10									
Bis(2-chloroisopropyl)ether	ND	10									
Bis(2-ethylhexyl)phthalate	ND	10									
Butylbenzylphthalate	ND	10									
Chrysene	ND	10									
Di-n-butylphthalate	ND	10									
Di-n-octylphthalate	ND	10									
Dibenz(a,h)anthracene	ND	10									
Dibenzofuran	ND	10									
Diethylphthalate	ND	10									
Dimethylphthalate	ND	10									
Fluoranthene	ND	10									
Fluorene	ND	10									
Hexachlorobenzene	ND	10									
Hexachlorobutadiene	ND	20									
Hexachlorocyclopentadiene	ND	10									
Hexachloroethane	ND	10									
Indeno(1,2,3-cd)pyrene	ND	10									
Isophorone	ND	10									
N-Nitrosodi-n-propylamine	ND	10									
N-Nitrosodiphenylamine	ND	10									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



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ANALYTICAL QC SUMMARY REPORT

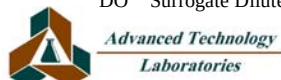
TestCode: 8270_W_FULL

Sample ID: MB-54957		SampType: MBLK		TestCode: 8270_W_FUL		Units: µg/L		Prep Date: 4/23/2009		RunNo: 108532		
Client ID: PBW		Batch ID: 54957		TestNo: EPA 8270C		EPA 3510C		Analysis Date: 4/27/2009		SeqNo: 1703230		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene		ND	10									
Nitrobenzene		ND	10									
Pentachlorophenol		ND	50									
Phenanthrene		ND	10									
Phenol		ND	10									
Pyrene		ND	10									
Surr: 1,2-Dichlorobenzene-d4		75.030		100.0		75.0	42	98				
Surr: 2,4,6-Tribromophenol		88.320		100.0		88.3	60	128				
Surr: 2-Chlorophenol-d4		70.520		100.0		70.5	43	102				
Surr: 2-Fluorobiphenyl		82.480		100.0		82.5	50	108				
Surr: 2-Fluorophenol		42.840		100.0		42.8	22	69				
Surr: 4-Terphenyl-d14		109.500		100.0		110	66	130				
Surr: Nitrobenzene-d5		82.660		100.0		82.7	47	117				
Surr: Phenol-d5		28.900		100.0		28.9	16	50				

Sample ID: LCS-54957	SampType: LCS	TestCode: 8270_W_FUL	Units: µg/L	Prep Date: 4/23/2009	RunNo: 108532						
Client ID: LCSW	Batch ID: 54957	TestNo: EPA 8270C	EPA 3510C	Analysis Date: 4/27/2009	SeqNo: 1703231						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	82.350	10	100.0	0	82.4	54	110				
1,4-Dichlorobenzene	72.690	10	100.0	0	72.7	48	103				
2,4-Dinitrotoluene	101.530	10	100.0	0	102	69	136				
2-Chlorophenol	75.260	10	100.0	0	75.3	53	100				
4-Chloro-3-methylphenol	96.750	50	100.0	0	96.8	70	124				
4-Nitrophenol	47.400	50	100.0	0	47.4	32	69				
Acenaphthene	93.500	10	100.0	0	93.5	64	118				
N-Nitrosodi-n-propylamine	94.300	10	100.0	0	94.3	62	130				
Pentachlorophenol	108.110	50	100.0	0	108	64	130				
Phenol	33.510	10	100.0	0	33.5	25	50				
Pyrene	100.210	10	100.0	0	100	66	123				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



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ANALYTICAL QC SUMMARY REPORT

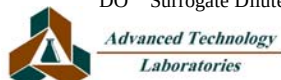
TestCode: 8270_W_FULL

Sample ID: LCS-54957		SampType: LCS	TestCode: 8270_W_FUL		Units: µg/L	Prep Date: 4/23/2009			RunNo: 108532			
Client ID: LCSW	Batch ID: 54957		TestNo: EPA 8270C		EPA 3510C	Analysis Date: 4/27/2009			SeqNo: 1703231			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 1,2-Dichlorobenzene-d4		70.400		100.0		70.4	42	98				
Surr: 2,4,6-Tribromophenol		92.760		100.0		92.8	60	128				
Surr: 2-Chlorophenol-d4		69.670		100.0		69.7	43	102				
Surr: 2-Fluorobiphenyl		85.330		100.0		85.3	50	108				
Surr: 2-Fluorophenol		42.460		100.0		42.5	22	69				
Surr: 4-Terphenyl-d14		91.060		100.0		91.1	66	130				
Surr: Nitrobenzene-d5		81.510		100.0		81.5	47	117				
Surr: Phenol-d5		30.250		100.0		30.2	16	50				

Sample ID: MB-54957MS	SampType: MS	TestCode: 8270_W_FUL	Units: µg/L	Prep Date: 4/23/2009	RunNo: 108532						
Client ID: ZZZZZZ	Batch ID: 54957	TestNo: EPA 8270C	EPA 3510C	Analysis Date: 4/27/2009	SeqNo: 1703232						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	88.760	10	100.0	0	88.8	54	110				
1,4-Dichlorobenzene	80.860	10	100.0	0	80.9	48	103				
2,4-Dinitrotoluene	105.780	10	100.0	0	106	69	136				
2-Chlorophenol	82.940	10	100.0	0	82.9	53	100				
4-Chloro-3-methylphenol	103.930	50	100.0	0	104	70	124				
4-Nitrophenol	48.880	50	100.0	0	48.9	32	69				
Acenaphthene	99.380	10	100.0	0	99.4	64	118				
N-Nitrosodi-n-propylamine	97.320	10	100.0	0	97.3	62	130				
Pentachlorophenol	113.160	50	100.0	0	113	64	130				
Phenol	35.770	10	100.0	0	35.8	25	50				
Pyrene	104.020	10	100.0	0	104	66	123				
Surr: 1,2-Dichlorobenzene-d4	77.430		100.0		77.4	42	98				
Surr: 2,4,6-Tribromophenol	96.960		100.0		97.0	60	128				
Surr: 2-Chlorophenol-d4	75.540		100.0		75.5	43	102				
Surr: 2-Fluorobiphenyl	90.850		100.0		90.8	50	108				
Surr: 2-Fluorophenol	44.360		100.0		44.4	22	69				
Surr: 4-Terphenyl-d14	98.360		100.0		98.4	66	130				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
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DO	Surrogate Diluted Out		Calculations are based on raw values		



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Work Order: 105148
Project: 207126015

ANALYTICAL QC SUMMARY REPORT

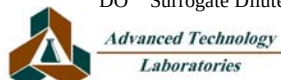
TestCode: 8270_W_FULL

Sample ID: MB-54957MS	SampType: MS	TestCode: 8270_W_FUL	Units: µg/L	Prep Date: 4/23/2009	RunNo: 108532						
Client ID: ZZZZZZ	Batch ID: 54957	TestNo: EPA 8270C	EPA 3510C	Analysis Date: 4/27/2009	SeqNo: 1703232						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Nitrobenzene-d5	87.720		100.0		87.7	47	117				
Surr: Phenol-d5	31.910		100.0		31.9	16	50				

Sample ID: MB-54957MSD	SampType: MSD	TestCode: 8270_W_FUL	Units: µg/L	Prep Date: 4/23/2009	RunNo: 108532						
Client ID: ZZZZZZ	Batch ID: 54957	TestNo: EPA 8270C	EPA 3510C	Analysis Date: 4/27/2009	SeqNo: 1703233						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	87.750	10	100.0	0	87.8	54	110	88.76	1.14	20	
1,4-Dichlorobenzene	78.940	10	100.0	0	78.9	48	103	80.86	2.40	20	
2,4-Dinitrotoluene	103.700	10	100.0	0	104	69	136	105.8	1.99	20	
2-Chlorophenol	79.970	10	100.0	0	80.0	53	100	82.94	3.65	20	
4-Chloro-3-methylphenol	102.000	50	100.0	0	102	70	124	103.9	1.87	20	
4-Nitrophenol	48.940	50	100.0	0	48.9	32	69	48.88	0	20	
Acenaphthene	95.190	10	100.0	0	95.2	64	118	99.38	4.31	20	
N-Nitrosodi-n-propylamine	94.910	10	100.0	0	94.9	62	130	97.32	2.51	20	
Pentachlorophenol	110.370	50	100.0	0	110	64	130	113.2	2.50	20	
Phenol	36.300	10	100.0	0	36.3	25	50	35.77	1.47	20	
Pyrene	100.370	10	100.0	0	100	66	123	104.0	3.57	20	
Surr: 1,2-Dichlorobenzene-d4	75.630		100.0		75.6	42	98		0	0	
Surr: 2,4,6-Tribromophenol	94.760		100.0		94.8	60	128		0	0	
Surr: 2-Chlorophenol-d4	74.730		100.0		74.7	43	102		0	0	
Surr: 2-Fluorobiphenyl	86.110		100.0		86.1	50	108		0	0	
Surr: 2-Fluorophenol	44.380		100.0		44.4	22	69		0	0	
Surr: 4-Terphenyl-d14	96.940		100.0		96.9	66	130		0	0	
Surr: Nitrobenzene-d5	87.440		100.0		87.4	47	117		0	0	
Surr: Phenol-d5	31.700		100.0		31.7	16	50		0	0	

Qualifiers:

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ANALYTICAL QC SUMMARY REPORT

TestCode: 9045_S

Sample ID: 105148-001ADUP		SampType: DUP		TestCode: 9045_S		Units: pH Units		Prep Date:		RunNo: 108435		
Client ID: 1001-110-2-S		Batch ID: R108435		TestNo: EPA 9045C		Analysis Date: 4/23/2009		SeqNo: 1701341				
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH		8.590	0.10						8.560	0.350	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
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DO	Surrogate Diluted Out		Calculations are based on raw values		



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CLIENT: Ninyo & Moore
Work Order: 105148
Project: 207126015

ANALYTICAL QC SUMMARY REPORT

TestCode: 9045_S

Sample ID: 105148-011ADUP		SampType: DUP		TestCode: 9045_S		Units: pH Units		Prep Date:			RunNo: 108436	
Client ID: 1001-108-5-S		Batch ID: R108436		TestNo: EPA 9045C		Analysis Date: 4/23/2009			SeqNo: 1701352			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH		8.200	0.10						8.220	0.244	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
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CLIENT: Ninyo & Moore
Work Order: 105148
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ANALYTICAL QC SUMMARY REPORT

TestCode: 9045_S

Sample ID: 105148-021ADUP		SampType: DUP		TestCode: 9045_S		Units: pH Units		Prep Date:		RunNo: 108437		
Client ID: 1001-107-5-S		Batch ID: R108437		TestNo: EPA 9045C				Analysis Date: 4/23/2009		SeqNo: 1701363		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH		8.300	0.10						8.220	0.969	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



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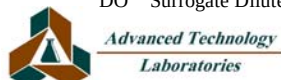
TestCode: HC_S_SEMI

Sample ID: MB-54917		SampType: MBLK	TestCode: HC_S_SEMI		Units: mg/Kg	Prep Date: 4/23/2009			RunNo: 108445			
Client ID: PBS	Batch ID: 54917		TestNo: EPA 8015B(M LUFT			Analysis Date: 4/23/2009			SeqNo: 1701727			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C13-C22		ND	10									
T/R Hydrocarbons: C23-C32		ND	10									
T/R Hydrocarbons:>C32		ND	10									
Surr: p-Terphenyl		79.410		80.00		99.3	57	144				

Sample ID: 105148-021ADUP	SampType: DUP	TestCode: HC_S_SEMI	Units: mg/Kg	Prep Date: 4/23/2009	RunNo: 108445						
Client ID: 1001-107-5-S	Batch ID: 54917	TestNo: EPA 8015B(M LUFT	Analysis Date: 4/23/2009	SeqNo: 1701730							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
C12+ to C22	ND	10						0	0	20	
C13-C22	ND	10						0	0	20	
C18-C36	ND	10						0	0	20	
T/R Hydrocarbons: C8	ND	10						0	0	20	
C22+ to C40	ND	10						0	0	20	
C23-C39	ND	10						0	0	20	
T/R Hydrocarbons: C6-C12	ND	10						0	0	20	
T/R Hydrocarbons: C8-C10	ND	10						0	0	20	
T/R Hydrocarbons: C8-C12	ND	10						0	0	20	
T/R Hydrocarbons: C8-C40	ND	10						0	0	20	
T/R Hydrocarbons: C9-C25	ND	10						0	0	20	
T/R Hydrocarbons: C10-C12	ND	10						0	0	20	
T/R Hydrocarbons: C10-C14	ND	10						0	0	20	
T/R Hydrocarbons: C10-C18	ND	10						0	0	20	
T/R Hydrocarbons: C10-C28	ND	10						0	0	20	
T/R Hydrocarbons: C12-C16	ND	10						0	0	20	
T/R Hydrocarbons: C12-C40	ND	10						0	0	20	
T/R Hydrocarbons: C13-C15	ND	10						0	0	20	
T/R Hydrocarbons: C13-C22	ND	10						0	0	20	
T/R Hydrocarbons: C13-C23	ND	10						0	0	20	
T/R Hydrocarbons: C9-C18	ND	10						0	0	20	

Qualifiers:

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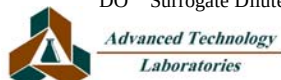
ANALYTICAL QC SUMMARY REPORT

TestCode: HC_S_SEMI

Sample ID: 105148-021ADUP		SampType: DUP		TestCode: HC_S_SEMI		Units: mg/Kg		Prep Date: 4/23/2009		RunNo: 108445	
Client ID: 1001-107-5-S		Batch ID: 54917		TestNo: EPA 8015B(M LUFT				Analysis Date: 4/23/2009		SeqNo: 1701730	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C15-C28	ND	10						0	0	20	
T/R Hydrocarbons: C16-C20	ND	10						0	0	20	
T/R Hydrocarbons: C16-C22	ND	10						0	0	20	
T/R Hydrocarbons: C19-C32	ND	10						0	0	20	
T/R Hydrocarbons: C20-C24	ND	10						0	0	20	
T/R Hydrocarbons: C23-C32	ND	10						0	0	20	
T/R Hydrocarbons: C23-C40	ND	10						0	0	20	
T/R Hydrocarbons: C24-C28	ND	10						0	0	20	
T/R Hydrocarbons: C24-C40	ND	10						0	0	20	
T/R Hydrocarbons: C28-C32	ND	10						0	0	20	
T/R Hydrocarbons: C28-C36	ND	10						0	0	20	
T/R Hydrocarbons: C29-C36	ND	10						0	0	20	
T/R Hydrocarbons: C32-C36	ND	10						0	0	20	
T/R Hydrocarbons: C33-C40	ND	10						0	0	20	
T/R Hydrocarbons: C34-C36	ND	10						0	0	20	
T/R Hydrocarbons: C36-C40	ND	10						0	0	20	
T/R Hydrocarbons: C38-C40	ND	10						0	0	20	
T/R Hydrocarbons:>C23	ND	10						0	0	20	
T/R Hydrocarbons:>C32	ND	10						0	0	20	
T/R Hydrocarbons:>C40	ND	10						0	0	20	
T/R Hydrocarbons: C8-C40 Total	ND	10						0	0	20	
T/R Hydrocarbons: C13-C28	ND	10						0	0	0	
T/R Hydrocarbons: C29-C40	ND	10						0	0	0	
Surr: p-Terphenyl	79.240		80.00		99.0	57	144		0	0	

Qualifiers:

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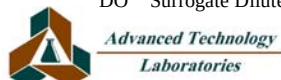
TestCode: HC_S_SEMI

Sample ID: MB-54920		SampType: MBLK	TestCode: HC_S_SEMI		Units: mg/Kg	Prep Date: 4/22/2009			RunNo: 108637		
Client ID: PBS	Batch ID: 54920		TestNo: EPA 8015B(M LUFT			Analysis Date: 4/30/2009			SeqNo: 1704831		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C13-C22	ND	10									
T/R Hydrocarbons: C23-C32	ND	10									
T/R Hydrocarbons:>C32	ND	10									
Surr: p-Terphenyl	73.546		80.00		91.9	57	144				

Sample ID: 105148-008ADUP	SampType: DUP	TestCode: HC_S_SEMI	Units: mg/Kg	Prep Date: 4/22/2009	RunNo: 108637						
Client ID: 1001-109-10-S	Batch ID: 54920	TestNo: EPA 8015B(M LUFT	Analysis Date: 4/30/2009	SeqNo: 1704833							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
C12+ to C22	ND	10						0	0	20	
C13-C22	ND	10						0	0	20	
C18-C36	ND	10						0	0	20	
T/R Hydrocarbons: C8	ND	10						0	0	20	
C22+ to C40	ND	10						0	0	20	
C23-C39	ND	10						0	0	20	
T/R Hydrocarbons: C6-C12	ND	10						0	0	20	
T/R Hydrocarbons: C8-C10	ND	10						0	0	20	
T/R Hydrocarbons: C8-C12	ND	10						0	0	20	
T/R Hydrocarbons: C8-C40	ND	10						0	0	20	
T/R Hydrocarbons: C9-C25	ND	10						0	0	20	
T/R Hydrocarbons: C10-C12	ND	10						0	0	20	
T/R Hydrocarbons: C10-C14	ND	10						0	0	20	
T/R Hydrocarbons: C10-C18	ND	10						0	0	20	
T/R Hydrocarbons: C10-C28	ND	10						0	0	20	
T/R Hydrocarbons: C12-C16	ND	10						0	0	20	
T/R Hydrocarbons: C12-C40	ND	10						0	0	20	
T/R Hydrocarbons: C13-C15	ND	10						0	0	20	
T/R Hydrocarbons: C13-C22	ND	10						0	0	20	
T/R Hydrocarbons: C13-C23	ND	10						0	0	20	
T/R Hydrocarbons: C9-C18	ND	10						0	0	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
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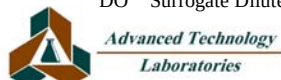
ANALYTICAL QC SUMMARY REPORT

TestCode: HC_S_SEMI

Sample ID: 105148-008ADUP		SampType: DUP		TestCode: HC_S_SEMI		Units: mg/Kg		Prep Date: 4/22/2009		RunNo: 108637		
Client ID: 1001-109-10-S		Batch ID: 54920		TestNo: EPA 8015B(M LUFT				Analysis Date: 4/30/2009		SeqNo: 1704833		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C15-C28		ND	10						0	0	20	
T/R Hydrocarbons: C16-C20		ND	10						0	0	20	
T/R Hydrocarbons: C16-C22		ND	10						0	0	20	
T/R Hydrocarbons: C19-C32		ND	10						0	0	20	
T/R Hydrocarbons: C20-C24		ND	10						0	0	20	
T/R Hydrocarbons: C23-C32		ND	10						0	0	20	
T/R Hydrocarbons: C23-C40		ND	10						0	0	20	
T/R Hydrocarbons: C24-C28		ND	10						0	0	20	
T/R Hydrocarbons: C24-C40		ND	10						0	0	20	
T/R Hydrocarbons: C28-C32		ND	10						0	0	20	
T/R Hydrocarbons: C28-C36		ND	10						0	0	20	
T/R Hydrocarbons: C29-C36		ND	10						0	0	20	
T/R Hydrocarbons: C32-C36		ND	10						0	0	20	
T/R Hydrocarbons: C33-C40		ND	10						0	0	20	
T/R Hydrocarbons: C34-C36		ND	10						0	0	20	
T/R Hydrocarbons: C36-C40		ND	10						0	0	20	
T/R Hydrocarbons: C38-C40		ND	10						0	0	20	
T/R Hydrocarbons:>C23		ND	10						0	0	20	
T/R Hydrocarbons:>C32		ND	10						0	0	20	
T/R Hydrocarbons:>C40		ND	10						0	0	20	
T/R Hydrocarbons: C8-C40 Total		ND	10						0	0	20	
T/R Hydrocarbons: C13-C28		ND	10						0	0	0	
T/R Hydrocarbons: C29-C40		ND	10						0	0	0	
Surr: p-Terphenyl		73.398		80.00		91.7	57	144		0	0	

Qualifiers:

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DO	Surrogate Diluted Out		Calculations are based on raw values		



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Work Order: 105148
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ANALYTICAL QC SUMMARY REPORT

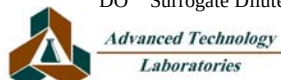
TestCode: HC_S_SEMI

Sample ID: MB-54921		SampType: MBLK	TestCode: HC_S_SEMI		Units: mg/Kg	Prep Date: 4/22/2009			RunNo: 108505		
Client ID: PBS	Batch ID: 54921		TestNo: EPA 8015B(M LUFT			Analysis Date: 4/23/2009			SeqNo: 1702876		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C13-C22	ND	10									
T/R Hydrocarbons: C23-C32	ND	10									
T/R Hydrocarbons:>C32	ND	10									
Surr: p-Terphenyl	98.990		80.00		124	57	144				

Sample ID: 105148-011ADUP	SampType: DUP	TestCode: HC_S_SEMI	Units: mg/Kg	Prep Date: 4/22/2009	RunNo: 108505						
Client ID: 1001-108-5-S	Batch ID: 54921	TestNo: EPA 8015B(M LUFT	Analysis Date: 4/27/2009	SeqNo: 1702891							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
C12+ to C22	ND	10						0	0	20	
C13-C22	ND	10						0	0	20	
C18-C36	ND	10						0	0	20	
T/R Hydrocarbons: C8	ND	10						0	0	20	
C22+ to C40	ND	10						0	0	20	
C23-C39	ND	10						0	0	20	
T/R Hydrocarbons: C6-C12	ND	10						0	0	20	
T/R Hydrocarbons: C8-C10	ND	10						0	0	20	
T/R Hydrocarbons: C8-C12	ND	10						0	0	20	
T/R Hydrocarbons: C8-C40	11.570	10						0	0	20	
T/R Hydrocarbons: C9-C25	ND	10						0	0	20	
T/R Hydrocarbons: C10-C12	ND	10						0	0	20	
T/R Hydrocarbons: C10-C14	ND	10						0	0	20	
T/R Hydrocarbons: C10-C18	ND	10						0	0	20	
T/R Hydrocarbons: C10-C28	ND	10						0	0	20	
T/R Hydrocarbons: C12-C16	ND	10						0	0	20	
T/R Hydrocarbons: C12-C40	ND	10						0	0	20	
T/R Hydrocarbons: C13-C15	ND	10						0	0	20	
T/R Hydrocarbons: C13-C22	ND	10						0	0	20	
T/R Hydrocarbons: C13-C23	ND	10						0	0	20	
T/R Hydrocarbons: C9-C18	ND	10						0	0	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
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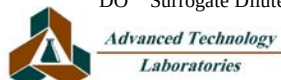
ANALYTICAL QC SUMMARY REPORT

TestCode: HC_S_SEMI

Sample ID: 105148-011ADUP		SampType: DUP		TestCode: HC_S_SEMI		Units: mg/Kg		Prep Date: 4/22/2009		RunNo: 108505		
Client ID: 1001-108-5-S		Batch ID: 54921		TestNo: EPA 8015B(M LUFT				Analysis Date: 4/27/2009		SeqNo: 1702891		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C15-C28		ND	10						0	0	20	
T/R Hydrocarbons: C16-C20		ND	10						0	0	20	
T/R Hydrocarbons: C16-C22		ND	10						0	0	20	
T/R Hydrocarbons: C19-C32		ND	10						0	0	20	
T/R Hydrocarbons: C20-C24		ND	10						0	0	20	
T/R Hydrocarbons: C23-C32		ND	10						0	0	20	
T/R Hydrocarbons: C23-C40		ND	10						0	0	20	
T/R Hydrocarbons: C24-C28		ND	10						0	0	20	
T/R Hydrocarbons: C24-C40		ND	10						0	0	20	
T/R Hydrocarbons: C28-C32		ND	10						0	0	20	
T/R Hydrocarbons: C28-C36		ND	10						0	0	20	
T/R Hydrocarbons: C29-C36		ND	10						0	0	20	
T/R Hydrocarbons: C32-C36		ND	10						0	0	20	
T/R Hydrocarbons: C33-C40		ND	10						0	0	20	
T/R Hydrocarbons: C34-C36		ND	10						0	0	20	
T/R Hydrocarbons: C36-C40		ND	10						0	0	20	
T/R Hydrocarbons: C38-C40		ND	10						0	0	20	
T/R Hydrocarbons:>C23		ND	10						0	0	20	
T/R Hydrocarbons:>C32		ND	10						0	0	20	
T/R Hydrocarbons:>C40		ND	10						0	0	20	
T/R Hydrocarbons: C8-C40 Total		ND	10						0	0	20	
T/R Hydrocarbons: C13-C28		ND	10						0	0	0	
T/R Hydrocarbons: C29-C40		ND	10						0	0	0	
Surr: p-Terphenyl		95.250		80.00		119	57	144		0	0	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



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CLIENT: Ninyo & Moore
Work Order: 105148
Project: 207126015

ANALYTICAL QC SUMMARY REPORT

TestCode: HC_S_VOAC4C12P

Sample ID: E090422LCS1		SampType: LCS		TestCode: HC_S_VOAC		Units: mg/Kg		Prep Date:		RunNo: 108452			
Client ID: LCSS		Batch ID: E09VS107		TestNo: EPA 8015B				Analysis Date: 4/22/2009		SeqNo: 1702260			
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

T/R Hydrocarbons: C4-C12	4.819	1.0	5.000	0	96.4	73	120				
Surr: Bromofluorobenzene (FID)	100.568		100.0		101	59	145				

Sample ID: E090422MB1MS	SampType: MS	TestCode: HC_S_VOAC	Units: mg/Kg	Prep Date:	RunNo: 108452						
Client ID: ZZZZZZ	Batch ID: E09VS107	TestNo: EPA 8015B	Analysis Date: 4/22/2009	SeqNo: 1702261							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

T/R Hydrocarbons: C4-C12	4.764	1.0	5.000	0	95.3	39	135				
Surr: Bromofluorobenzene (FID)	97.074		100.0		97.1	59	145				

Sample ID: E090422MB1MSD	SampType: MSD	TestCode: HC_S_VOAC	Units: mg/Kg	Prep Date:	RunNo: 108452						
Client ID: ZZZZZZ	Batch ID: E09VS107	TestNo: EPA 8015B	Analysis Date: 4/22/2009	SeqNo: 1702262							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

T/R Hydrocarbons: C4-C12	4.776	1.0	5.000	0	95.5	39	135	4.764	0.252	20	
Surr: Bromofluorobenzene (FID)	98.905		100.0		98.9	59	145		0	0	

Sample ID: E090422MB1	SampType: MBLK	TestCode: HC_S_VOAC	Units: mg/Kg	Prep Date:				RunNo: 108452			
Client ID: PBS	Batch ID: E09VS107	TestNo: EPA 8015B	Analysis Date: 4/22/2009				SeqNo: 1702263				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

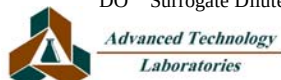
T/R Hydrocarbons: C4-C12	ND	1.0									
Surr: Bromofluorobenzene (FID)	98.771		100.0		98.8	59	145				

Sample ID: 105148-001FDUP	SampType: DUP	TestCode: HC_S_VOAC	Units: mg/Kg	Prep Date: 4/21/2009	RunNo: 108452						
Client ID: 1001-110-2-S	Batch ID: E09VS107	TestNo: EPA 8015B		Analysis Date: 4/22/2009	SeqNo: 1702265						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

T/R Hydrocarbons: C4-C12	ND	0.90						0	0	20	
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Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



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CLIENT: Ninyo & Moore
Work Order: 105148
Project: 207126015

ANALYTICAL QC SUMMARY REPORT

TestCode: HC_S_VOAC4C12P

Sample ID: 105148-001FDUP	SampType: DUP	TestCode: HC_S_VOAC	Units: mg/Kg	Prep Date: 4/21/2009	RunNo: 108452						
Client ID: 1001-110-2-S	Batch ID: E09VS107	TestNo: EPA 8015B		Analysis Date: 4/22/2009	SeqNo: 1702265						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Bromofluorobenzene (FID)	79.496		90.09		88.2	59	145		0	0	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
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DO	Surrogate Diluted Out		Calculations are based on raw values		



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CLIENT: Ninyo & Moore
Work Order: 105148
Project: 207126015

ANALYTICAL QC SUMMARY REPORT

TestCode: HC_S_VOAC4C12P

Sample ID: E090422LCS3		SampType: LCS		TestCode: HC_S_VOAC		Units: mg/Kg		Prep Date:		RunNo: 108453			
Client ID: LCSS		Batch ID: E09VS108		TestNo: EPA 8015B				Analysis Date: 4/22/2009		SeqNo: 1702288			
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

T/R Hydrocarbons: C4-C12	4.806	1.0	5.000	0	96.1	73	120				
Surr: Bromofluorobenzene (FID)	98.072		100.0		98.1	59	145				

Sample ID: E090422MB2MS	SampType: MS	TestCode: HC_S_VOAC	Units: mg/Kg	Prep Date:	RunNo: 108453						
Client ID: ZZZZZZ	Batch ID: E09VS108	TestNo: EPA 8015B		Analysis Date: 4/22/2009	SeqNo: 1702289						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

T/R Hydrocarbons: C4-C12	4.892	1.0	5.000	0	97.8	39	135				
Surr: Bromofluorobenzene (FID)	100.932		100.0		101	59	145				

Sample ID: E090422MB2MSD	SampType: MSD	TestCode: HC_S_VOAC	Units: mg/Kg	Prep Date:				RunNo: 108453			
Client ID: ZZZZZZ	Batch ID: E09VS108	TestNo: EPA 8015B		Analysis Date: 4/22/2009				SeqNo: 1702290			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

T/R Hydrocarbons: C4-C12	4.778	1.0	5.000	0	95.6	39	135	4.892	2.36	20	
Surr: Bromofluorobenzene (FID)	100.306		100.0		100	59	145		0	0	

Sample ID: E090422MB2		SampType: MBLK		TestCode: HC_S_VOAC		Units: mg/Kg		Prep Date:		RunNo: 108453			
Client ID: PBS		Batch ID: E09VS108		TestNo: EPA 8015B				Analysis Date: 4/22/2009		SeqNo: 1702291			
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

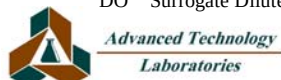
T/R Hydrocarbons: C4-C12	ND	1.0									
Surr: Bromofluorobenzene (FID)	97.623		100.0		97.6	59	145				

Sample ID: 105148-011FDUP	SampType: DUP	TestCode: HC_S_VOAC	Units: mg/Kg	Prep Date: 4/21/2009	RunNo: 108453						
Client ID: 1001-108-5-S	Batch ID: E09VS108	TestNo: EPA 8015B		Analysis Date: 4/22/2009	SeqNo: 1702294						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

T/R Hydrocarbons: C4-C12	ND	0.92						0	0	20	
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Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



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Work Order: 105148
Project: 207126015

ANALYTICAL QC SUMMARY REPORT

TestCode: HC_S_VOAC4C12P

Sample ID: 105148-011FDUP	SampType: DUP	TestCode: HC_S_VOAC	Units: mg/Kg	Prep Date: 4/21/2009	RunNo: 108453						
Client ID: 1001-108-5-S	Batch ID: E09VS108	TestNo: EPA 8015B		Analysis Date: 4/22/2009	SeqNo: 1702294						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Bromofluorobenzene (FID)	97.039		91.91		106	59	145		0	0	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



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ANALYTICAL QC SUMMARY REPORT

TestCode: HC_S_VOAC4C12P

Sample ID: E090422LCS5		SampType: LCS		TestCode: HC_S_VOAC		Units: mg/Kg		Prep Date:		RunNo: 108459			
Client ID: LCSS		Batch ID: E09VS109		TestNo: EPA 8015B				Analysis Date: 4/22/2009		SeqNo: 1702319			
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

T/R Hydrocarbons: C4-C12	4.564	1.0	5.000	0	91.3	73	120				
Surr: Bromofluorobenzene (FID)	99.926		100.0		99.9	59	145				

Sample ID: E090422MB3MS	SampType: MS	TestCode: HC_S_VOAC	Units: mg/Kg	Prep Date:				RunNo: 108459			
Client ID: ZZZZZZ	Batch ID: E09VS109	TestNo: EPA 8015B	Analysis Date: 4/22/2009				SeqNo: 1702320				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

T/R Hydrocarbons: C4-C12	4.563	1.0	5.000	0	91.3	39	135				
Surr: Bromofluorobenzene (FID)	99.102		100.0		99.1	59	145				

Sample ID: E090422MB3MSD	SampType: MSD	TestCode: HC_S_VOAC	Units: mg/Kg	Prep Date:				RunNo: 108459			
Client ID: ZZZZZZ	Batch ID: E09VS109	TestNo: EPA 8015B	Analysis Date: 4/22/2009				SeqNo: 1702321				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

T/R Hydrocarbons: C4-C12	4.595	1.0	5.000	0	91.9	39	135	4.563	0.699	20	
Surr: Bromofluorobenzene (FID)	95.878		100.0		95.9	59	145		0	0	

Sample ID: E090422MB3	SampType: MBLK	TestCode: HC_S_VOAC	Units: mg/Kg	Prep Date:				RunNo: 108459			
Client ID: PBS	Batch ID: E09VS109	TestNo: EPA 8015B	Analysis Date: 4/22/2009				SeqNo: 1702322				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

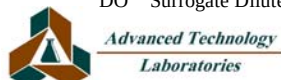
T/R Hydrocarbons: C4-C12	ND	1.0									
Surr: Bromofluorobenzene (FID)	101.413		100.0		101	59	145				

Sample ID: 105148-021FDUP	SampType: DUP	TestCode: HC_S_VOAC	Units: mg/Kg	Prep Date: 4/21/2009	RunNo: 108459						
Client ID: 1001-107-5-S	Batch ID: E09VS109	TestNo: EPA 8015B		Analysis Date: 4/22/2009	SeqNo: 1702325						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

T/R Hydrocarbons: C4-C12	ND	0.94						0	0	20	
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Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



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Project: 207126015

ANALYTICAL QC SUMMARY REPORT

TestCode: HC_S_VOAC4C12P

Sample ID: 105148-021FDUP	SampType: DUP	TestCode: HC_S_VOAC	Units: mg/Kg	Prep Date: 4/21/2009	RunNo: 108459						
Client ID: 1001-107-5-S	Batch ID: E09VS109	TestNo: EPA 8015B		Analysis Date: 4/22/2009	SeqNo: 1702325						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Bromofluorobenzene (FID)	98.814		94.34		105	59	145		0	0	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



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ANALYTICAL QC SUMMARY REPORT

TestCode: HC_W_SEMI

Sample ID: MB-54952	SampType: MBLK	TestCode: HC_W_SEMI	Units: mg/L	Prep Date: 4/23/2009	RunNo: 108461						
Client ID: PBW	Batch ID: 54952	TestNo: EPA 8015B(M EPA 3510C		Analysis Date: 4/23/2009	SeqNo: 1702099						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C13-C22	ND	0.20									
T/R Hydrocarbons: C23-C32	ND	0.20									
T/R Hydrocarbons:>C32	ND	0.20									
Surr: p-Terphenyl	0.051		0.08000		64.2	35	131				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



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ANALYTICAL QC SUMMARY REPORT

TestCode: HC_W_VOAC4C12

Sample ID: D090423LCS	SampType: LCS	TestCode: HC_W_VOAC	Units: mg/L	Prep Date:	RunNo: 108450						
Client ID: LCSW	Batch ID: D09VW067	TestNo: EPA 8015B		Analysis Date: 4/23/2009	SeqNo: 1701735						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C4-C12	0.963	0.20	1.000	0	96.3	69	125				
Surr: Bromofluorobenzene (FID)	101.914		100.0		102	71	130				

Sample ID: D090423MB2MS	SampType: MS	TestCode: HC_W_VOAC	Units: mg/L	Prep Date:	RunNo: 108450						
Client ID: ZZZZZZ	Batch ID: D09VW067	TestNo: EPA 8015B		Analysis Date: 4/23/2009	SeqNo: 1701736						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C4-C12	0.875	0.20	1.000	0	87.5	69	125				
Surr: Bromofluorobenzene (FID)	100.900		100.0		101	71	130				

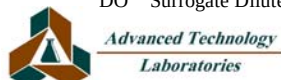
Sample ID: D090424MB2MSD	SampType: MSD	TestCode: HC_W_VOAC	Units: mg/L	Prep Date:				RunNo: 108450			
Client ID: ZZZZZZ	Batch ID: D09VW067	TestNo: EPA 8015B		Analysis Date: 4/23/2009				SeqNo: 1701737			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C4-C12	0.915	0.20	1.000	0	91.5	69	125	0.8750	4.47	20	
Surr: Bromofluorobenzene (FID)	99.676		100.0		99.7	71	130		0	0	

Sample ID: D090423MB2	SampType: MBLK	TestCode: HC_W_VOAC	Units: mg/L	Prep Date:				RunNo: 108450			
Client ID: PBW	Batch ID: D09VW067	TestNo: EPA 8015B		Analysis Date: 4/23/2009				SeqNo: 1701738			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C4-C12	ND	0.20									
Surr: Bromofluorobenzene (FID)	104.012		100.0		104	71	130				

Sample ID: 105148-024GDUP	SampType: DUP	TestCode: HC_W_VOAC	Units: mg/L	Prep Date:	RunNo: 108450						
Client ID: QCEB	Batch ID: D09VW067	TestNo: EPA 8015B		Analysis Date: 4/23/2009	SeqNo: 1701740						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C4-C12	ND	0.20						0	0	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



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Work Order: 105148
Project: 207126015

ANALYTICAL QC SUMMARY REPORT

TestCode: HC_W_VOAC4C12

Sample ID: 105148-024GDUP		SampType: DUP	TestCode: HC_W_VOAC			Units: mg/L		Prep Date:		RunNo: 108450	
Client ID: QCEB		Batch ID: D09VW067		TestNo: EPA 8015B			Analysis Date: 4/23/2009		SeqNo: 1701740		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Bromofluorobenzene (FID)	101.016		100.0		101	71	130		0	0	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



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3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562.989.4045 Fax: 562.989.4040

LABORATORY: Advanced Technology Laboratories 3275 Walnut Avenue Signal Hill CA 90807 (562) 989-4045	SITE: 777 North Front Street Burbank California Ninyo & Moore # 207126015	CONSULTANT: Ninyo & Moore 475 Goddard Suite #200 Irvine Ca 92618 (949) 753-7070 fax # (949) 753-7071	NOTES: pH Fast Holding Time OK (TM)
Sampler (s) <i>Tommy Mutter</i> Relinquished by (name, date, and time) <i>Tommy Mutter 4/21/09 1320</i> Relinquished by (name, date, and time) <i>Tommy Mutter 4/21/09 1320</i> Relinquished by (name, date, and time) <i>Tommy Mutter 4/21/09 1320</i> Relinquished by (name, date, and time) <i>Tommy Mutter 4/21/09 1320</i> Relinquished by (name, date, and time) <i>Tommy Mutter 4/21/09 1320</i>			Received by (name, date, and time) <i>Tommy Mutter 4/21/09 1320</i> Received by (name, date, and time) <i>Tommy Mutter 4/21/09 1320</i> Received by (name, date, and time) <i>Tommy Mutter 4/21/09 1320</i> Received by (name, date, and time) <i>Tommy Mutter 4/21/09 1320</i> Received by (name, date, and time) <i>Tommy Mutter 4/21/09 1320</i>

Please Fax to David Shaler
(949) 753-7071

LAB NO.	SAMPLE ID	DATE	TIME	ANALYSIS REQUESTED												# CONTAINERS	PCB
				VOCs 8260B 5035	SVOCs 8270C	TPHs 8015 5035	TPHd 8015	TPHext 8015	METALS 6000/7000	HEX CHROM 7199/7196A	pH 9045	SAMPLE MATRIX	NUMBER OF CONTAINERS	TURN- AROUND TIME			
	1001-110-2-S	4/21/09	7:50	X	X	X	X	X	X	X	X	S	7	E		X	
	1001-110-5-S		7:55														
	1001-110-5D-S		7:55														
	1001-110-10-S		8:00														
	1001-110-20-S		8:10														
	1001-109-2-S		8:20														
	1001-109-5-S		8:25														
	1001-109-10-S		8:35														
	1001-109-20-S		8:40														
	1001-108-2-S		9:05														
	1001-108-5-S		9:10														
	1001-108-10-S		9:15														
	1001-108-10D-S		9:15														
	1001-108-20-S		9:25														
	1001-106-11-S		9:40														
	1001-106-5-S		9:45														
	1001-106-10-S		9:55														
	1001-106-20-S		10:05														
	1001-106-20D-S		10:05														
	1001-107-2-S		10:15														
	1001-107-5-S		10:25														
	1001-107-10-S		10:30														
	1001-107-20-S		10:40														
	QCEB		10:50	X	X	X	X	X	X	X	X	X	11	X			
	Trip Blank			X								X	1	X			

April 29, 2009



David Shaler
Ninyo & Moore
475 Goddard Suite 200
Irvine, CA 92618
TEL: (949) 753-7070
FAX: (949) 753-7071

ELAP No.: 1838
NELAP No.: 02107CA
NEVADA.: CA-401
CSDLAC No.: 10196

Workorder No.: 105173

RE: 207126015

Attention: David Shaler

Enclosed are the results for sample(s) received on April 22, 2009 by Advanced Technology Laboratories . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Eddie F. Rodriguez
Laboratory Director

The cover letter and the case narrative are an integral part of this analytical report and cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories.



Advanced Technology Laboratories

Date: 29-Apr-09

CLIENT: Ninyo & Moore

Project: 207126015

Lab Order: 105173

Contract No:

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
105173-001A	1001-117-25-S	Soil	4/22/2009 1:20:00 PM	4/22/2009	4/29/2009
105173-001B	1001-117-25-S	Soil	4/22/2009 1:20:00 PM	4/22/2009	4/29/2009
105173-001C	1001-117-25-S	Soil	4/22/2009 1:20:00 PM	4/22/2009	4/29/2009
105173-001D	1001-117-25-S	Soil	4/22/2009 1:20:00 PM	4/22/2009	4/29/2009
105173-001E	1001-117-25-S	Soil	4/22/2009 1:20:00 PM	4/22/2009	4/29/2009
105173-001F	1001-117-25-S	Soil	4/22/2009 1:20:00 PM	4/22/2009	4/29/2009
105173-001G	1001-117-25-S	Soil	4/22/2009 1:20:00 PM	4/22/2009	4/29/2009
105173-002A	1001-117-30-S	Soil	4/22/2009 1:30:00 PM	4/22/2009	4/29/2009
105173-002B	1001-117-30-S	Soil	4/22/2009 1:30:00 PM	4/22/2009	4/29/2009
105173-002C	1001-117-30-S	Soil	4/22/2009 1:30:00 PM	4/22/2009	4/29/2009
105173-002D	1001-117-30-S	Soil	4/22/2009 1:30:00 PM	4/22/2009	4/29/2009
105173-002E	1001-117-30-S	Soil	4/22/2009 1:30:00 PM	4/22/2009	4/29/2009
105173-002F	1001-117-30-S	Soil	4/22/2009 1:30:00 PM	4/22/2009	4/29/2009
105173-002G	1001-117-30-S	Soil	4/22/2009 1:30:00 PM	4/22/2009	4/29/2009
105173-003A	1001-117-30D-S	Soil	4/22/2009 1:30:00 PM	4/22/2009	4/29/2009
105173-003B	1001-117-30D-S	Soil	4/22/2009 1:30:00 PM	4/22/2009	4/29/2009
105173-003C	1001-117-30D-S	Soil	4/22/2009 1:30:00 PM	4/22/2009	4/29/2009
105173-003D	1001-117-30D-S	Soil	4/22/2009 1:30:00 PM	4/22/2009	4/29/2009
105173-003E	1001-117-30D-S	Soil	4/22/2009 1:30:00 PM	4/22/2009	4/29/2009
105173-003F	1001-117-30D-S	Soil	4/22/2009 1:30:00 PM	4/22/2009	4/29/2009
105173-003G	1001-117-30D-S	Soil	4/22/2009 1:30:00 PM	4/22/2009	4/29/2009
105173-004A	1001-117-35-S	Soil	4/22/2009 1:40:00 PM	4/22/2009	4/29/2009
105173-004B	1001-117-35-S	Soil	4/22/2009 1:40:00 PM	4/22/2009	4/29/2009
105173-004C	1001-117-35-S	Soil	4/22/2009 1:40:00 PM	4/22/2009	4/29/2009
105173-004D	1001-117-35-S	Soil	4/22/2009 1:40:00 PM	4/22/2009	4/29/2009
105173-004E	1001-117-35-S	Soil	4/22/2009 1:40:00 PM	4/22/2009	4/29/2009
105173-004F	1001-117-35-S	Soil	4/22/2009 1:40:00 PM	4/22/2009	4/29/2009
105173-004G	1001-117-35-S	Soil	4/22/2009 1:40:00 PM	4/22/2009	4/29/2009
105173-005A	1001-117-40-S	Soil	4/22/2009 1:50:00 PM	4/22/2009	4/29/2009



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Page 1 of 3

CLIENT: Ninyo & Moore
Project: 207126015
Lab Order: 105173
Contract No:

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
105173-005B	1001-117-40-S	Soil	4/22/2009 1:50:00 PM	4/22/2009	4/29/2009
105173-005C	1001-117-40-S	Soil	4/22/2009 1:50:00 PM	4/22/2009	4/29/2009
105173-005D	1001-117-40-S	Soil	4/22/2009 1:50:00 PM	4/22/2009	4/29/2009
105173-005E	1001-117-40-S	Soil	4/22/2009 1:50:00 PM	4/22/2009	4/29/2009
105173-005F	1001-117-40-S	Soil	4/22/2009 1:50:00 PM	4/22/2009	4/29/2009
105173-005G	1001-117-40-S	Soil	4/22/2009 1:50:00 PM	4/22/2009	4/29/2009
105173-006A	1001-113-25-S	Soil	4/22/2009 2:45:00 PM	4/22/2009	4/29/2009
105173-006B	1001-113-25-S	Soil	4/22/2009 2:45:00 PM	4/22/2009	4/29/2009
105173-006C	1001-113-25-S	Soil	4/22/2009 2:45:00 PM	4/22/2009	4/29/2009
105173-006D	1001-113-25-S	Soil	4/22/2009 2:45:00 PM	4/22/2009	4/29/2009
105173-006E	1001-113-25-S	Soil	4/22/2009 2:45:00 PM	4/22/2009	4/29/2009
105173-006F	1001-113-25-S	Soil	4/22/2009 2:45:00 PM	4/22/2009	4/29/2009
105173-006G	1001-113-25-S	Soil	4/22/2009 2:45:00 PM	4/22/2009	4/29/2009
105173-007A	1001-113-30-S	Soil	4/22/2009 2:50:00 PM	4/22/2009	4/29/2009
105173-007B	1001-113-30-S	Soil	4/22/2009 2:50:00 PM	4/22/2009	4/29/2009
105173-007C	1001-113-30-S	Soil	4/22/2009 2:50:00 PM	4/22/2009	4/29/2009
105173-007D	1001-113-30-S	Soil	4/22/2009 2:50:00 PM	4/22/2009	4/29/2009
105173-007E	1001-113-30-S	Soil	4/22/2009 2:50:00 PM	4/22/2009	4/29/2009
105173-007F	1001-113-30-S	Soil	4/22/2009 2:50:00 PM	4/22/2009	4/29/2009
105173-007G	1001-113-30-S	Soil	4/22/2009 2:50:00 PM	4/22/2009	4/29/2009
105173-008A	1001-113-35-S	Soil	4/22/2009 2:55:00 PM	4/22/2009	4/29/2009
105173-008B	1001-113-35-S	Soil	4/22/2009 2:55:00 PM	4/22/2009	4/29/2009
105173-008C	1001-113-35-S	Soil	4/22/2009 2:55:00 PM	4/22/2009	4/29/2009
105173-008D	1001-113-35-S	Soil	4/22/2009 2:55:00 PM	4/22/2009	4/29/2009
105173-008E	1001-113-35-S	Soil	4/22/2009 2:55:00 PM	4/22/2009	4/29/2009
105173-008F	1001-113-35-S	Soil	4/22/2009 2:55:00 PM	4/22/2009	4/29/2009
105173-008G	1001-113-35-S	Soil	4/22/2009 2:55:00 PM	4/22/2009	4/29/2009
105173-009A	1001-113-40-S	Soil	4/22/2009 3:00:00 PM	4/22/2009	4/29/2009
105173-009B	1001-113-40-S	Soil	4/22/2009 3:00:00 PM	4/22/2009	4/29/2009
105173-009C	1001-113-40-S	Soil	4/22/2009 3:00:00 PM	4/22/2009	4/29/2009



CLIENT: Ninyo & Moore
Project: 207126015
Lab Order: 105173
Contract No:

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
105173-009D	1001-113-40-S	Soil	4/22/2009 3:00:00 PM	4/22/2009	4/29/2009
105173-009E	1001-113-40-S	Soil	4/22/2009 3:00:00 PM	4/22/2009	4/29/2009
105173-009F	1001-113-40-S	Soil	4/22/2009 3:00:00 PM	4/22/2009	4/29/2009
105173-009G	1001-113-40-S	Soil	4/22/2009 3:00:00 PM	4/22/2009	4/29/2009
105173-010A	QC EB-2	Water	4/22/2009 3:25:00 PM	4/22/2009	4/29/2009
105173-011A	TRIP Blank	Water	4/22/2009	4/22/2009	4/29/2009



CLIENT: Ninyo & Moore**Project:** 207126015**Lab Order:** 105173**CASE NARRATIVE**

All volatile analyses were performed using 5035 preservation requirements. Any high level dilutions were performed on a preserved methanol sample unless otherwise noted.



Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 29-Apr-09

CLIENT: Ninyo & Moore
Lab Order: 105173
Project: 207126015
Lab ID: 105173-001A

Client Sample ID: 1001-117-25-S
Collection Date: 4/22/2009 1:20:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS5_090423A	QC Batch: T09VS106	PrepDate: 4/23/2009	Analyst: HH
1,1,1,2-Tetrachloroethane	ND 1.6	4.7	µg/Kg 1 4/23/2009 05:14 PM
1,1,1-Trichloroethane	ND 0.61	4.7	µg/Kg 1 4/23/2009 05:14 PM
1,1,2,2-Tetrachloroethane	ND 1.5	4.7	µg/Kg 1 4/23/2009 05:14 PM
1,1,2-Trichloroethane	ND 1.6	4.7	µg/Kg 1 4/23/2009 05:14 PM
1,1-Dichloroethane	ND 0.48	4.7	µg/Kg 1 4/23/2009 05:14 PM
1,1-Dichloroethene	ND 1.2	4.7	µg/Kg 1 4/23/2009 05:14 PM
1,1-Dichloropropene	ND 1.4	4.7	µg/Kg 1 4/23/2009 05:14 PM
1,2,3-Trichlorobenzene	ND 0.98	4.7	µg/Kg 1 4/23/2009 05:14 PM
1,2,3-Trichloropropane	ND 0.71	4.7	µg/Kg 1 4/23/2009 05:14 PM
1,2,4-Trichlorobenzene	ND 1.3	4.7	µg/Kg 1 4/23/2009 05:14 PM
1,2,4-Trimethylbenzene	ND 0.81	4.7	µg/Kg 1 4/23/2009 05:14 PM
1,2-Dibromo-3-chloropropane	ND 1.8	9.5	µg/Kg 1 4/23/2009 05:14 PM
1,2-Dibromoethane	ND 1.4	4.7	µg/Kg 1 4/23/2009 05:14 PM
1,2-Dichlorobenzene	ND 0.79	4.7	µg/Kg 1 4/23/2009 05:14 PM
1,2-Dichloroethane	ND 1.1	4.7	µg/Kg 1 4/23/2009 05:14 PM
1,2-Dichloropropane	ND 1.5	4.7	µg/Kg 1 4/23/2009 05:14 PM
1,3,5-Trimethylbenzene	ND 0.95	4.7	µg/Kg 1 4/23/2009 05:14 PM
1,3-Dichlorobenzene	ND 0.95	4.7	µg/Kg 1 4/23/2009 05:14 PM
1,3-Dichloropropane	ND 1.0	4.7	µg/Kg 1 4/23/2009 05:14 PM
1,4-Dichlorobenzene	ND 1.1	4.7	µg/Kg 1 4/23/2009 05:14 PM
2,2-Dichloropropane	ND 0.82	4.7	µg/Kg 1 4/23/2009 05:14 PM
2-Chlorotoluene	ND 0.62	4.7	µg/Kg 1 4/23/2009 05:14 PM
4-Chlorotoluene	ND 0.64	4.7	µg/Kg 1 4/23/2009 05:14 PM
4-Isopropyltoluene	ND 0.54	4.7	µg/Kg 1 4/23/2009 05:14 PM
Benzene	ND 0.78	4.7	µg/Kg 1 4/23/2009 05:14 PM
Bromobenzene	ND 1.5	4.7	µg/Kg 1 4/23/2009 05:14 PM
Bromodichloromethane	ND 0.81	4.7	µg/Kg 1 4/23/2009 05:14 PM
Bromoform	ND 1.1	4.7	µg/Kg 1 4/23/2009 05:14 PM
Bromomethane	ND 0.83	4.7	µg/Kg 1 4/23/2009 05:14 PM
Carbon tetrachloride	ND 1.3	4.7	µg/Kg 1 4/23/2009 05:14 PM
Chlorobenzene	ND 0.85	4.7	µg/Kg 1 4/23/2009 05:14 PM
Chloroethane	ND 1.2	4.7	µg/Kg 1 4/23/2009 05:14 PM
Chloroform	ND 0.59	4.7	µg/Kg 1 4/23/2009 05:14 PM
Chloromethane	ND 0.77	4.7	µg/Kg 1 4/23/2009 05:14 PM
cis-1,2-Dichloroethene	ND 1.1	4.7	µg/Kg 1 4/23/2009 05:14 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories**ANALYTICAL RESULTS**

Print Date: 29-Apr-09

CLIENT: Ninyo & Moore
Lab Order: 105173
Project: 207126015
Lab ID: 105173-001A

Client Sample ID: 1001-117-25-S
Collection Date: 4/22/2009 1:20:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS**EPA 8260B**

RunID: MS5_090423A	QC Batch: T09VS106	PrepDate: 4/23/2009	Analyst: HH
cis-1,3-Dichloropropene	ND 1.2	4.7	µg/Kg 1 4/23/2009 05:14 PM
Dibromochloromethane	ND 0.64	4.7	µg/Kg 1 4/23/2009 05:14 PM
Dibromomethane	ND 1.6	4.7	µg/Kg 1 4/23/2009 05:14 PM
Dichlorodifluoromethane	ND 0.57	4.7	µg/Kg 1 4/23/2009 05:14 PM
Ethylbenzene	ND 0.86	4.7	µg/Kg 1 4/23/2009 05:14 PM
Hexachlorobutadiene	ND 3.2	4.7	µg/Kg 1 4/23/2009 05:14 PM
Isopropylbenzene	ND 1.2	4.7	µg/Kg 1 4/23/2009 05:14 PM
m,p-Xylene	ND 1.6	9.5	µg/Kg 1 4/23/2009 05:14 PM
Methylene chloride	ND 4.7	4.7	µg/Kg 1 4/23/2009 05:14 PM
n-Butylbenzene	ND 0.98	4.7	µg/Kg 1 4/23/2009 05:14 PM
n-Propylbenzene	ND 0.85	4.7	µg/Kg 1 4/23/2009 05:14 PM
Naphthalene	ND 1.6	4.7	µg/Kg 1 4/23/2009 05:14 PM
o-Xylene	ND 0.97	4.7	µg/Kg 1 4/23/2009 05:14 PM
sec-Butylbenzene	ND 0.81	4.7	µg/Kg 1 4/23/2009 05:14 PM
Styrene	ND 0.85	4.7	µg/Kg 1 4/23/2009 05:14 PM
tert-Butylbenzene	ND 0.58	4.7	µg/Kg 1 4/23/2009 05:14 PM
Tetrachloroethene	ND 1.0	4.7	µg/Kg 1 4/23/2009 05:14 PM
Toluene	ND 0.78	4.7	µg/Kg 1 4/23/2009 05:14 PM
trans-1,2-Dichloroethene	ND 0.94	4.7	µg/Kg 1 4/23/2009 05:14 PM
Trichloroethene	ND 1.9	4.7	µg/Kg 1 4/23/2009 05:14 PM
Trichlorofluoromethane	ND 1.1	4.7	µg/Kg 1 4/23/2009 05:14 PM
Vinyl chloride	ND 0.56	4.7	µg/Kg 1 4/23/2009 05:14 PM
Surr: 1,2-Dichloroethane-d4	108 0	68-147	%REC 1 4/23/2009 05:14 PM
Surr: 4-Bromofluorobenzene	101 0	67-127	%REC 1 4/23/2009 05:14 PM
Surr: Dibromofluoromethane	108 0	72-141	%REC 1 4/23/2009 05:14 PM
Surr: Toluene-d8	109 0	75-120	%REC 1 4/23/2009 05:14 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 29-Apr-09

CLIENT: Ninyo & Moore
Lab Order: 105173
Project: 207126015
Lab ID: 105173-002A

Client Sample ID: 1001-117-30-S
Collection Date: 4/22/2009 1:30:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS5_090423A	QC Batch: T09VS106	PrepDate: 4/23/2009	Analyst: HH
1,1,1,2-Tetrachloroethane	ND 1.6	4.6	µg/Kg 1 4/23/2009 05:33 PM
1,1,1-Trichloroethane	ND 0.60	4.6	µg/Kg 1 4/23/2009 05:33 PM
1,1,2,2-Tetrachloroethane	ND 1.5	4.6	µg/Kg 1 4/23/2009 05:33 PM
1,1,2-Trichloroethane	ND 1.5	4.6	µg/Kg 1 4/23/2009 05:33 PM
1,1-Dichloroethane	ND 0.47	4.6	µg/Kg 1 4/23/2009 05:33 PM
1,1-Dichloroethene	ND 1.2	4.6	µg/Kg 1 4/23/2009 05:33 PM
1,1-Dichloropropene	ND 1.4	4.6	µg/Kg 1 4/23/2009 05:33 PM
1,2,3-Trichlorobenzene	ND 0.96	4.6	µg/Kg 1 4/23/2009 05:33 PM
1,2,3-Trichloropropane	ND 0.69	4.6	µg/Kg 1 4/23/2009 05:33 PM
1,2,4-Trichlorobenzene	ND 1.2	4.6	µg/Kg 1 4/23/2009 05:33 PM
1,2,4-Trimethylbenzene	ND 0.79	4.6	µg/Kg 1 4/23/2009 05:33 PM
1,2-Dibromo-3-chloropropane	ND 1.8	9.2	µg/Kg 1 4/23/2009 05:33 PM
1,2-Dibromoethane	ND 1.4	4.6	µg/Kg 1 4/23/2009 05:33 PM
1,2-Dichlorobenzene	ND 0.77	4.6	µg/Kg 1 4/23/2009 05:33 PM
1,2-Dichloroethane	ND 1.1	4.6	µg/Kg 1 4/23/2009 05:33 PM
1,2-Dichloropropane	ND 1.4	4.6	µg/Kg 1 4/23/2009 05:33 PM
1,3,5-Trimethylbenzene	ND 0.93	4.6	µg/Kg 1 4/23/2009 05:33 PM
1,3-Dichlorobenzene	ND 0.93	4.6	µg/Kg 1 4/23/2009 05:33 PM
1,3-Dichloropropane	ND 0.97	4.6	µg/Kg 1 4/23/2009 05:33 PM
1,4-Dichlorobenzene	ND 1.1	4.6	µg/Kg 1 4/23/2009 05:33 PM
2,2-Dichloropropane	ND 0.80	4.6	µg/Kg 1 4/23/2009 05:33 PM
2-Chlorotoluene	ND 0.61	4.6	µg/Kg 1 4/23/2009 05:33 PM
4-Chlorotoluene	ND 0.62	4.6	µg/Kg 1 4/23/2009 05:33 PM
4-Isopropyltoluene	ND 0.53	4.6	µg/Kg 1 4/23/2009 05:33 PM
Benzene	ND 0.76	4.6	µg/Kg 1 4/23/2009 05:33 PM
Bromobenzene	ND 1.4	4.6	µg/Kg 1 4/23/2009 05:33 PM
Bromodichloromethane	ND 0.79	4.6	µg/Kg 1 4/23/2009 05:33 PM
Bromoform	ND 1.1	4.6	µg/Kg 1 4/23/2009 05:33 PM
Bromomethane	ND 0.81	4.6	µg/Kg 1 4/23/2009 05:33 PM
Carbon tetrachloride	ND 1.2	4.6	µg/Kg 1 4/23/2009 05:33 PM
Chlorobenzene	ND 0.83	4.6	µg/Kg 1 4/23/2009 05:33 PM
Chloroethane	ND 1.2	4.6	µg/Kg 1 4/23/2009 05:33 PM
Chloroform	ND 0.57	4.6	µg/Kg 1 4/23/2009 05:33 PM
Chloromethane	ND 0.76	4.6	µg/Kg 1 4/23/2009 05:33 PM
cis-1,2-Dichloroethene	ND 1.1	4.6	µg/Kg 1 4/23/2009 05:33 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

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ANALYTICAL RESULTS

Print Date: 29-Apr-09

CLIENT: Ninyo & Moore
Lab Order: 105173
Project: 207126015
Lab ID: 105173-002A

Client Sample ID: 1001-117-30-S
Collection Date: 4/22/2009 1:30:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS5_090423A	QC Batch: T09VS106	PrepDate: 4/23/2009	Analyst: HH
cis-1,3-Dichloropropene	ND 1.2	4.6	µg/Kg 1 4/23/2009 05:33 PM
Dibromochloromethane	ND 0.63	4.6	µg/Kg 1 4/23/2009 05:33 PM
Dibromomethane	ND 1.6	4.6	µg/Kg 1 4/23/2009 05:33 PM
Dichlorodifluoromethane	ND 0.56	4.6	µg/Kg 1 4/23/2009 05:33 PM
Ethylbenzene	ND 0.84	4.6	µg/Kg 1 4/23/2009 05:33 PM
Hexachlorobutadiene	ND 3.1	4.6	µg/Kg 1 4/23/2009 05:33 PM
Isopropylbenzene	ND 1.1	4.6	µg/Kg 1 4/23/2009 05:33 PM
m,p-Xylene	ND 1.6	9.2	µg/Kg 1 4/23/2009 05:33 PM
Methylene chloride	ND 4.6	4.6	µg/Kg 1 4/23/2009 05:33 PM
n-Butylbenzene	ND 0.96	4.6	µg/Kg 1 4/23/2009 05:33 PM
n-Propylbenzene	ND 0.84	4.6	µg/Kg 1 4/23/2009 05:33 PM
Naphthalene	ND 1.5	4.6	µg/Kg 1 4/23/2009 05:33 PM
o-Xylene	ND 0.95	4.6	µg/Kg 1 4/23/2009 05:33 PM
sec-Butylbenzene	ND 0.79	4.6	µg/Kg 1 4/23/2009 05:33 PM
Styrene	ND 0.83	4.6	µg/Kg 1 4/23/2009 05:33 PM
tert-Butylbenzene	ND 0.56	4.6	µg/Kg 1 4/23/2009 05:33 PM
Tetrachloroethene	ND 0.98	4.6	µg/Kg 1 4/23/2009 05:33 PM
Toluene	ND 0.77	4.6	µg/Kg 1 4/23/2009 05:33 PM
trans-1,2-Dichloroethene	ND 0.92	4.6	µg/Kg 1 4/23/2009 05:33 PM
Trichloroethene	ND 1.8	4.6	µg/Kg 1 4/23/2009 05:33 PM
Trichlorofluoromethane	ND 1.1	4.6	µg/Kg 1 4/23/2009 05:33 PM
Vinyl chloride	ND 0.54	4.6	µg/Kg 1 4/23/2009 05:33 PM
Surr: 1,2-Dichloroethane-d4	108 0	68-147	%REC 1 4/23/2009 05:33 PM
Surr: 4-Bromofluorobenzene	99.9 0	67-127	%REC 1 4/23/2009 05:33 PM
Surr: Dibromofluoromethane	109 0	72-141	%REC 1 4/23/2009 05:33 PM
Surr: Toluene-d8	107 0	75-120	%REC 1 4/23/2009 05:33 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 29-Apr-09

CLIENT: Ninyo & Moore
Lab Order: 105173
Project: 207126015
Lab ID: 105173-003A

Client Sample ID: 1001-117-30D-S
Collection Date: 4/22/2009 1:30:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS5_090423A	QC Batch: T09VS106	PrepDate: 4/23/2009	Analyst: HH
1,1,1,2-Tetrachloroethane	ND 1.8	5.1	µg/Kg 1 4/23/2009 05:53 PM
1,1,1-Trichloroethane	ND 0.66	5.1	µg/Kg 1 4/23/2009 05:53 PM
1,1,2,2-Tetrachloroethane	ND 1.6	5.1	µg/Kg 1 4/23/2009 05:53 PM
1,1,2-Trichloroethane	ND 1.7	5.1	µg/Kg 1 4/23/2009 05:53 PM
1,1-Dichloroethane	ND 0.52	5.1	µg/Kg 1 4/23/2009 05:53 PM
1,1-Dichloroethene	ND 1.3	5.1	µg/Kg 1 4/23/2009 05:53 PM
1,1-Dichloropropene	ND 1.6	5.1	µg/Kg 1 4/23/2009 05:53 PM
1,2,3-Trichlorobenzene	ND 1.1	5.1	µg/Kg 1 4/23/2009 05:53 PM
1,2,3-Trichloropropane	ND 0.77	5.1	µg/Kg 1 4/23/2009 05:53 PM
1,2,4-Trichlorobenzene	ND 1.4	5.1	µg/Kg 1 4/23/2009 05:53 PM
1,2,4-Trimethylbenzene	ND 0.88	5.1	µg/Kg 1 4/23/2009 05:53 PM
1,2-Dibromo-3-chloropropane	ND 2.0	10	µg/Kg 1 4/23/2009 05:53 PM
1,2-Dibromoethane	ND 1.5	5.1	µg/Kg 1 4/23/2009 05:53 PM
1,2-Dichlorobenzene	ND 0.85	5.1	µg/Kg 1 4/23/2009 05:53 PM
1,2-Dichloroethane	ND 1.2	5.1	µg/Kg 1 4/23/2009 05:53 PM
1,2-Dichloropropane	ND 1.6	5.1	µg/Kg 1 4/23/2009 05:53 PM
1,3,5-Trimethylbenzene	ND 1.0	5.1	µg/Kg 1 4/23/2009 05:53 PM
1,3-Dichlorobenzene	ND 1.0	5.1	µg/Kg 1 4/23/2009 05:53 PM
1,3-Dichloropropane	ND 1.1	5.1	µg/Kg 1 4/23/2009 05:53 PM
1,4-Dichlorobenzene	ND 1.2	5.1	µg/Kg 1 4/23/2009 05:53 PM
2,2-Dichloropropane	ND 0.89	5.1	µg/Kg 1 4/23/2009 05:53 PM
2-Chlorotoluene	ND 0.68	5.1	µg/Kg 1 4/23/2009 05:53 PM
4-Chlorotoluene	ND 0.69	5.1	µg/Kg 1 4/23/2009 05:53 PM
4-Isopropyltoluene	ND 0.59	5.1	µg/Kg 1 4/23/2009 05:53 PM
Benzene	ND 0.84	5.1	µg/Kg 1 4/23/2009 05:53 PM
Bromobenzene	ND 1.6	5.1	µg/Kg 1 4/23/2009 05:53 PM
Bromodichloromethane	ND 0.88	5.1	µg/Kg 1 4/23/2009 05:53 PM
Bromoform	ND 1.2	5.1	µg/Kg 1 4/23/2009 05:53 PM
Bromomethane	ND 0.90	5.1	µg/Kg 1 4/23/2009 05:53 PM
Carbon tetrachloride	ND 1.4	5.1	µg/Kg 1 4/23/2009 05:53 PM
Chlorobenzene	ND 0.92	5.1	µg/Kg 1 4/23/2009 05:53 PM
Chloroethane	ND 1.4	5.1	µg/Kg 1 4/23/2009 05:53 PM
Chloroform	ND 0.64	5.1	µg/Kg 1 4/23/2009 05:53 PM
Chloromethane	ND 0.84	5.1	µg/Kg 1 4/23/2009 05:53 PM
cis-1,2-Dichloroethene	ND 1.2	5.1	µg/Kg 1 4/23/2009 05:53 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 29-Apr-09

CLIENT: Ninyo & Moore
Lab Order: 105173
Project: 207126015
Lab ID: 105173-003A

Client Sample ID: 1001-117-30D-S
Collection Date: 4/22/2009 1:30:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS5_090423A	QC Batch: T09VS106	PrepDate: 4/23/2009	Analyst: HH
cis-1,3-Dichloropropene	ND 1.3	5.1	µg/Kg 1 4/23/2009 05:53 PM
Dibromochloromethane	ND 0.70	5.1	µg/Kg 1 4/23/2009 05:53 PM
Dibromomethane	ND 1.7	5.1	µg/Kg 1 4/23/2009 05:53 PM
Dichlorodifluoromethane	ND 0.62	5.1	µg/Kg 1 4/23/2009 05:53 PM
Ethylbenzene	ND 0.93	5.1	µg/Kg 1 4/23/2009 05:53 PM
Hexachlorobutadiene	ND 3.5	5.1	µg/Kg 1 4/23/2009 05:53 PM
Isopropylbenzene	ND 1.3	5.1	µg/Kg 1 4/23/2009 05:53 PM
m,p-Xylene	ND 1.7	10	µg/Kg 1 4/23/2009 05:53 PM
Methylene chloride	ND 5.1	5.1	µg/Kg 1 4/23/2009 05:53 PM
n-Butylbenzene	ND 1.1	5.1	µg/Kg 1 4/23/2009 05:53 PM
n-Propylbenzene	ND 0.93	5.1	µg/Kg 1 4/23/2009 05:53 PM
Naphthalene	ND 1.7	5.1	µg/Kg 1 4/23/2009 05:53 PM
o-Xylene	ND 1.1	5.1	µg/Kg 1 4/23/2009 05:53 PM
sec-Butylbenzene	ND 0.88	5.1	µg/Kg 1 4/23/2009 05:53 PM
Styrene	ND 0.92	5.1	µg/Kg 1 4/23/2009 05:53 PM
tert-Butylbenzene	ND 0.63	5.1	µg/Kg 1 4/23/2009 05:53 PM
Tetrachloroethene	ND 1.1	5.1	µg/Kg 1 4/23/2009 05:53 PM
Toluene	ND 0.85	5.1	µg/Kg 1 4/23/2009 05:53 PM
trans-1,2-Dichloroethene	ND 1.0	5.1	µg/Kg 1 4/23/2009 05:53 PM
Trichloroethene	ND 2.0	5.1	µg/Kg 1 4/23/2009 05:53 PM
Trichlorofluoromethane	ND 1.2	5.1	µg/Kg 1 4/23/2009 05:53 PM
Vinyl chloride	ND 0.60	5.1	µg/Kg 1 4/23/2009 05:53 PM
Surr: 1,2-Dichloroethane-d4	115 0	68-147	%REC 1 4/23/2009 05:53 PM
Surr: 4-Bromofluorobenzene	108 0	67-127	%REC 1 4/23/2009 05:53 PM
Surr: Dibromofluoromethane	117 0	72-141	%REC 1 4/23/2009 05:53 PM
Surr: Toluene-d8	109 0	75-120	%REC 1 4/23/2009 05:53 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 29-Apr-09

CLIENT: Ninyo & Moore
Lab Order: 105173
Project: 207126015
Lab ID: 105173-004A

Client Sample ID: 1001-117-35-S
Collection Date: 4/22/2009 1:40:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS5_090423A	QC Batch: T09VS106	PrepDate: 4/23/2009	Analyst: HH
1,1,1,2-Tetrachloroethane	ND 1.6	4.6	µg/Kg 1 4/23/2009 06:12 PM
1,1,1-Trichloroethane	ND 0.59	4.6	µg/Kg 1 4/23/2009 06:12 PM
1,1,2,2-Tetrachloroethane	ND 1.4	4.6	µg/Kg 1 4/23/2009 06:12 PM
1,1,2-Trichloroethane	ND 1.5	4.6	µg/Kg 1 4/23/2009 06:12 PM
1,1-Dichloroethane	ND 0.46	4.6	µg/Kg 1 4/23/2009 06:12 PM
1,1-Dichloroethene	ND 1.2	4.6	µg/Kg 1 4/23/2009 06:12 PM
1,1-Dichloropropene	ND 1.4	4.6	µg/Kg 1 4/23/2009 06:12 PM
1,2,3-Trichlorobenzene	ND 0.94	4.6	µg/Kg 1 4/23/2009 06:12 PM
1,2,3-Trichloropropane	ND 0.68	4.6	µg/Kg 1 4/23/2009 06:12 PM
1,2,4-Trichlorobenzene	ND 1.2	4.6	µg/Kg 1 4/23/2009 06:12 PM
1,2,4-Trimethylbenzene	ND 0.78	4.6	µg/Kg 1 4/23/2009 06:12 PM
1,2-Dibromo-3-chloropropane	ND 1.8	9.1	µg/Kg 1 4/23/2009 06:12 PM
1,2-Dibromoethane	ND 1.3	4.6	µg/Kg 1 4/23/2009 06:12 PM
1,2-Dichlorobenzene	ND 0.76	4.6	µg/Kg 1 4/23/2009 06:12 PM
1,2-Dichloroethane	ND 1.1	4.6	µg/Kg 1 4/23/2009 06:12 PM
1,2-Dichloropropane	ND 1.4	4.6	µg/Kg 1 4/23/2009 06:12 PM
1,3,5-Trimethylbenzene	ND 0.91	4.6	µg/Kg 1 4/23/2009 06:12 PM
1,3-Dichlorobenzene	ND 0.92	4.6	µg/Kg 1 4/23/2009 06:12 PM
1,3-Dichloropropane	ND 0.96	4.6	µg/Kg 1 4/23/2009 06:12 PM
1,4-Dichlorobenzene	ND 1.1	4.6	µg/Kg 1 4/23/2009 06:12 PM
2,2-Dichloropropane	ND 0.79	4.6	µg/Kg 1 4/23/2009 06:12 PM
2-Chlorotoluene	ND 0.60	4.6	µg/Kg 1 4/23/2009 06:12 PM
4-Chlorotoluene	ND 0.61	4.6	µg/Kg 1 4/23/2009 06:12 PM
4-Isopropyltoluene	ND 0.52	4.6	µg/Kg 1 4/23/2009 06:12 PM
Benzene	ND 0.75	4.6	µg/Kg 1 4/23/2009 06:12 PM
Bromobenzene	ND 1.4	4.6	µg/Kg 1 4/23/2009 06:12 PM
Bromodichloromethane	ND 0.78	4.6	µg/Kg 1 4/23/2009 06:12 PM
Bromoform	ND 1.1	4.6	µg/Kg 1 4/23/2009 06:12 PM
Bromomethane	ND 0.80	4.6	µg/Kg 1 4/23/2009 06:12 PM
Carbon tetrachloride	ND 1.2	4.6	µg/Kg 1 4/23/2009 06:12 PM
Chlorobenzene	ND 0.82	4.6	µg/Kg 1 4/23/2009 06:12 PM
Chloroethane	ND 1.2	4.6	µg/Kg 1 4/23/2009 06:12 PM
Chloroform	ND 0.56	4.6	µg/Kg 1 4/23/2009 06:12 PM
Chloromethane	ND 0.74	4.6	µg/Kg 1 4/23/2009 06:12 PM
cis-1,2-Dichloroethene	ND 1.1	4.6	µg/Kg 1 4/23/2009 06:12 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 29-Apr-09

CLIENT: Ninyo & Moore
Lab Order: 105173
Project: 207126015
Lab ID: 105173-004A

Client Sample ID: 1001-117-35-S
Collection Date: 4/22/2009 1:40:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS5_090423A	QC Batch: T09VS106	PrepDate: 4/23/2009	Analyst: HH
cis-1,3-Dichloropropene	ND 1.2	4.6	µg/Kg 1 4/23/2009 06:12 PM
Dibromochloromethane	ND 0.62	4.6	µg/Kg 1 4/23/2009 06:12 PM
Dibromomethane	ND 1.5	4.6	µg/Kg 1 4/23/2009 06:12 PM
Dichlorodifluoromethane	ND 0.55	4.6	µg/Kg 1 4/23/2009 06:12 PM
Ethylbenzene	ND 0.83	4.6	µg/Kg 1 4/23/2009 06:12 PM
Hexachlorobutadiene	ND 3.1	4.6	µg/Kg 1 4/23/2009 06:12 PM
Isopropylbenzene	ND 1.1	4.6	µg/Kg 1 4/23/2009 06:12 PM
m,p-Xylene	ND 1.5	9.1	µg/Kg 1 4/23/2009 06:12 PM
Methylene chloride	ND 4.6	4.6	µg/Kg 1 4/23/2009 06:12 PM
n-Butylbenzene	ND 0.95	4.6	µg/Kg 1 4/23/2009 06:12 PM
n-Propylbenzene	ND 0.82	4.6	µg/Kg 1 4/23/2009 06:12 PM
Naphthalene	ND 1.5	4.6	µg/Kg 1 4/23/2009 06:12 PM
o-Xylene	ND 0.94	4.6	µg/Kg 1 4/23/2009 06:12 PM
sec-Butylbenzene	ND 0.78	4.6	µg/Kg 1 4/23/2009 06:12 PM
Styrene	ND 0.82	4.6	µg/Kg 1 4/23/2009 06:12 PM
tert-Butylbenzene	ND 0.55	4.6	µg/Kg 1 4/23/2009 06:12 PM
Tetrachloroethene	5.5 0.96	4.6	µg/Kg 1 4/23/2009 06:12 PM
Toluene	ND 0.76	4.6	µg/Kg 1 4/23/2009 06:12 PM
trans-1,2-Dichloroethene	ND 0.90	4.6	µg/Kg 1 4/23/2009 06:12 PM
Trichloroethene	ND 1.8	4.6	µg/Kg 1 4/23/2009 06:12 PM
Trichlorofluoromethane	ND 1.1	4.6	µg/Kg 1 4/23/2009 06:12 PM
Vinyl chloride	ND 0.54	4.6	µg/Kg 1 4/23/2009 06:12 PM
Surr: 1,2-Dichloroethane-d4	115 0	68-147	%REC 1 4/23/2009 06:12 PM
Surr: 4-Bromofluorobenzene	101 0	67-127	%REC 1 4/23/2009 06:12 PM
Surr: Dibromofluoromethane	113 0	72-141	%REC 1 4/23/2009 06:12 PM
Surr: Toluene-d8	115 0	75-120	%REC 1 4/23/2009 06:12 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 29-Apr-09

CLIENT: Ninyo & Moore
Lab Order: 105173
Project: 207126015
Lab ID: 105173-005A

Client Sample ID: 1001-117-40-S
Collection Date: 4/22/2009 1:50:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS5_090423A	QC Batch: T09VS106	PrepDate: 4/23/2009	Analyst: HH
1,1,1,2-Tetrachloroethane	ND 3.0	8.7	µg/Kg 1 4/23/2009 06:32 PM
1,1,1-Trichloroethane	ND 1.1	8.7	µg/Kg 1 4/23/2009 06:32 PM
1,1,2,2-Tetrachloroethane	ND 2.7	8.7	µg/Kg 1 4/23/2009 06:32 PM
1,1,2-Trichloroethane	ND 2.9	8.7	µg/Kg 1 4/23/2009 06:32 PM
1,1-Dichloroethane	ND 0.88	8.7	µg/Kg 1 4/23/2009 06:32 PM
1,1-Dichloroethene	ND 2.2	8.7	µg/Kg 1 4/23/2009 06:32 PM
1,1-Dichloropropene	ND 2.6	8.7	µg/Kg 1 4/23/2009 06:32 PM
1,2,3-Trichlorobenzene	ND 1.8	8.7	µg/Kg 1 4/23/2009 06:32 PM
1,2,3-Trichloropropane	ND 1.3	8.7	µg/Kg 1 4/23/2009 06:32 PM
1,2,4-Trichlorobenzene	ND 2.3	8.7	µg/Kg 1 4/23/2009 06:32 PM
1,2,4-Trimethylbenzene	ND 1.5	8.7	µg/Kg 1 4/23/2009 06:32 PM
1,2-Dibromo-3-chloropropane	ND 3.4	17	µg/Kg 1 4/23/2009 06:32 PM
1,2-Dibromoethane	ND 2.6	8.7	µg/Kg 1 4/23/2009 06:32 PM
1,2-Dichlorobenzene	ND 1.4	8.7	µg/Kg 1 4/23/2009 06:32 PM
1,2-Dichloroethane	ND 2.0	8.7	µg/Kg 1 4/23/2009 06:32 PM
1,2-Dichloropropane	ND 2.7	8.7	µg/Kg 1 4/23/2009 06:32 PM
1,3,5-Trimethylbenzene	ND 1.7	8.7	µg/Kg 1 4/23/2009 06:32 PM
1,3-Dichlorobenzene	ND 1.8	8.7	µg/Kg 1 4/23/2009 06:32 PM
1,3-Dichloropropane	ND 1.8	8.7	µg/Kg 1 4/23/2009 06:32 PM
1,4-Dichlorobenzene	ND 2.1	8.7	µg/Kg 1 4/23/2009 06:32 PM
2,2-Dichloropropane	ND 1.5	8.7	µg/Kg 1 4/23/2009 06:32 PM
2-Chlorotoluene	ND 1.1	8.7	µg/Kg 1 4/23/2009 06:32 PM
4-Chlorotoluene	ND 1.2	8.7	µg/Kg 1 4/23/2009 06:32 PM
4-Isopropyltoluene	ND 1.0	8.7	µg/Kg 1 4/23/2009 06:32 PM
Benzene	ND 1.4	8.7	µg/Kg 1 4/23/2009 06:32 PM
Bromobenzene	ND 2.7	8.7	µg/Kg 1 4/23/2009 06:32 PM
Bromodichloromethane	ND 1.5	8.7	µg/Kg 1 4/23/2009 06:32 PM
Bromoform	ND 2.1	8.7	µg/Kg 1 4/23/2009 06:32 PM
Bromomethane	ND 1.5	8.7	µg/Kg 1 4/23/2009 06:32 PM
Carbon tetrachloride	ND 2.3	8.7	µg/Kg 1 4/23/2009 06:32 PM
Chlorobenzene	ND 1.6	8.7	µg/Kg 1 4/23/2009 06:32 PM
Chloroethane	ND 2.3	8.7	µg/Kg 1 4/23/2009 06:32 PM
Chloroform	ND 1.1	8.7	µg/Kg 1 4/23/2009 06:32 PM
Chloromethane	ND 1.4	8.7	µg/Kg 1 4/23/2009 06:32 PM
cis-1,2-Dichloroethene	ND 2.1	8.7	µg/Kg 1 4/23/2009 06:32 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



Advanced Technology
Laboratories

3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 29-Apr-09

CLIENT: Ninyo & Moore
Lab Order: 105173
Project: 207126015
Lab ID: 105173-005A

Client Sample ID: 1001-117-40-S
Collection Date: 4/22/2009 1:50:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS5_090423A	QC Batch: T09VS106	PrepDate: 4/23/2009	Analyst: HH
cis-1,3-Dichloropropene	ND 2.2	8.7	µg/Kg 1 4/23/2009 06:32 PM
Dibromochloromethane	ND 1.2	8.7	µg/Kg 1 4/23/2009 06:32 PM
Dibromomethane	ND 2.9	8.7	µg/Kg 1 4/23/2009 06:32 PM
Dichlorodifluoromethane	ND 1.0	8.7	µg/Kg 1 4/23/2009 06:32 PM
Ethylbenzene	ND 1.6	8.7	µg/Kg 1 4/23/2009 06:32 PM
Hexachlorobutadiene	ND 5.9	8.7	µg/Kg 1 4/23/2009 06:32 PM
Isopropylbenzene	ND 2.1	8.7	µg/Kg 1 4/23/2009 06:32 PM
m,p-Xylene	ND 2.9	17	µg/Kg 1 4/23/2009 06:32 PM
Methylene chloride	ND 8.7	8.7	µg/Kg 1 4/23/2009 06:32 PM
n-Butylbenzene	ND 1.8	8.7	µg/Kg 1 4/23/2009 06:32 PM
n-Propylbenzene	ND 1.6	8.7	µg/Kg 1 4/23/2009 06:32 PM
Naphthalene	ND 2.9	8.7	µg/Kg 1 4/23/2009 06:32 PM
o-Xylene	ND 1.8	8.7	µg/Kg 1 4/23/2009 06:32 PM
sec-Butylbenzene	ND 1.5	8.7	µg/Kg 1 4/23/2009 06:32 PM
Styrene	ND 1.6	8.7	µg/Kg 1 4/23/2009 06:32 PM
tert-Butylbenzene	ND 1.1	8.7	µg/Kg 1 4/23/2009 06:32 PM
Tetrachloroethene	ND 1.8	8.7	µg/Kg 1 4/23/2009 06:32 PM
Toluene	ND 1.4	8.7	µg/Kg 1 4/23/2009 06:32 PM
trans-1,2-Dichloroethene	ND 1.7	8.7	µg/Kg 1 4/23/2009 06:32 PM
Trichloroethene	ND 3.4	8.7	µg/Kg 1 4/23/2009 06:32 PM
Trichlorofluoromethane	ND 2.0	8.7	µg/Kg 1 4/23/2009 06:32 PM
Vinyl chloride	ND 1.0	8.7	µg/Kg 1 4/23/2009 06:32 PM
Surr: 1,2-Dichloroethane-d4	114 0	68-147	%REC 1 4/23/2009 06:32 PM
Surr: 4-Bromofluorobenzene	105 0	67-127	%REC 1 4/23/2009 06:32 PM
Surr: Dibromofluoromethane	110 0	72-141	%REC 1 4/23/2009 06:32 PM
Surr: Toluene-d8	104 0	75-120	%REC 1 4/23/2009 06:32 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 29-Apr-09

CLIENT: Ninyo & Moore
Lab Order: 105173
Project: 207126015
Lab ID: 105173-006A

Client Sample ID: 1001-113-25-S
Collection Date: 4/22/2009 2:45:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS5_090423A	QC Batch: T09VS106	PrepDate: 4/23/2009	Analyst: HH
1,1,1,2-Tetrachloroethane	ND 1.8	5.3	µg/Kg 1 4/23/2009 06:52 PM
1,1,1-Trichloroethane	ND 0.69	5.3	µg/Kg 1 4/23/2009 06:52 PM
1,1,2,2-Tetrachloroethane	ND 1.7	5.3	µg/Kg 1 4/23/2009 06:52 PM
1,1,2-Trichloroethane	ND 1.7	5.3	µg/Kg 1 4/23/2009 06:52 PM
1,1-Dichloroethane	ND 0.54	5.3	µg/Kg 1 4/23/2009 06:52 PM
1,1-Dichloroethene	ND 1.4	5.3	µg/Kg 1 4/23/2009 06:52 PM
1,1-Dichloropropene	ND 1.6	5.3	µg/Kg 1 4/23/2009 06:52 PM
1,2,3-Trichlorobenzene	ND 1.1	5.3	µg/Kg 1 4/23/2009 06:52 PM
1,2,3-Trichloropropane	ND 0.80	5.3	µg/Kg 1 4/23/2009 06:52 PM
1,2,4-Trichlorobenzene	ND 1.4	5.3	µg/Kg 1 4/23/2009 06:52 PM
1,2,4-Trimethylbenzene	ND 0.91	5.3	µg/Kg 1 4/23/2009 06:52 PM
1,2-Dibromo-3-chloropropane	ND 2.0	11	µg/Kg 1 4/23/2009 06:52 PM
1,2-Dibromoethane	ND 1.6	5.3	µg/Kg 1 4/23/2009 06:52 PM
1,2-Dichlorobenzene	ND 0.89	5.3	µg/Kg 1 4/23/2009 06:52 PM
1,2-Dichloroethane	ND 1.2	5.3	µg/Kg 1 4/23/2009 06:52 PM
1,2-Dichloropropane	ND 1.7	5.3	µg/Kg 1 4/23/2009 06:52 PM
1,3,5-Trimethylbenzene	ND 1.1	5.3	µg/Kg 1 4/23/2009 06:52 PM
1,3-Dichlorobenzene	ND 1.1	5.3	µg/Kg 1 4/23/2009 06:52 PM
1,3-Dichloropropane	ND 1.1	5.3	µg/Kg 1 4/23/2009 06:52 PM
1,4-Dichlorobenzene	ND 1.3	5.3	µg/Kg 1 4/23/2009 06:52 PM
2,2-Dichloropropane	ND 0.93	5.3	µg/Kg 1 4/23/2009 06:52 PM
2-Chlorotoluene	ND 0.70	5.3	µg/Kg 1 4/23/2009 06:52 PM
4-Chlorotoluene	ND 0.72	5.3	µg/Kg 1 4/23/2009 06:52 PM
4-Isopropyltoluene	ND 0.61	5.3	µg/Kg 1 4/23/2009 06:52 PM
Benzene	ND 0.87	5.3	µg/Kg 1 4/23/2009 06:52 PM
Bromobenzene	ND 1.7	5.3	µg/Kg 1 4/23/2009 06:52 PM
Bromodichloromethane	ND 0.91	5.3	µg/Kg 1 4/23/2009 06:52 PM
Bromoform	ND 1.3	5.3	µg/Kg 1 4/23/2009 06:52 PM
Bromomethane	ND 0.93	5.3	µg/Kg 1 4/23/2009 06:52 PM
Carbon tetrachloride	ND 1.4	5.3	µg/Kg 1 4/23/2009 06:52 PM
Chlorobenzene	ND 0.95	5.3	µg/Kg 1 4/23/2009 06:52 PM
Chloroethane	ND 1.4	5.3	µg/Kg 1 4/23/2009 06:52 PM
Chloroform	ND 0.66	5.3	µg/Kg 1 4/23/2009 06:52 PM
Chloromethane	ND 0.87	5.3	µg/Kg 1 4/23/2009 06:52 PM
cis-1,2-Dichloroethene	ND 1.3	5.3	µg/Kg 1 4/23/2009 06:52 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 29-Apr-09

CLIENT: Ninyo & Moore
Lab Order: 105173
Project: 207126015
Lab ID: 105173-006A

Client Sample ID: 1001-113-25-S
Collection Date: 4/22/2009 2:45:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS5_090423A	QC Batch: T09VS106	PrepDate: 4/23/2009	Analyst: HH
cis-1,3-Dichloropropene	ND 1.4	5.3	µg/Kg 1 4/23/2009 06:52 PM
Dibromochloromethane	ND 0.72	5.3	µg/Kg 1 4/23/2009 06:52 PM
Dibromomethane	ND 1.8	5.3	µg/Kg 1 4/23/2009 06:52 PM
Dichlorodifluoromethane	ND 0.64	5.3	µg/Kg 1 4/23/2009 06:52 PM
Ethylbenzene	ND 0.97	5.3	µg/Kg 1 4/23/2009 06:52 PM
Hexachlorobutadiene	ND 3.6	5.3	µg/Kg 1 4/23/2009 06:52 PM
Isopropylbenzene	ND 1.3	5.3	µg/Kg 1 4/23/2009 06:52 PM
m,p-Xylene	ND 1.8	11	µg/Kg 1 4/23/2009 06:52 PM
Methylene chloride	ND 5.3	5.3	µg/Kg 1 4/23/2009 06:52 PM
n-Butylbenzene	ND 1.1	5.3	µg/Kg 1 4/23/2009 06:52 PM
n-Propylbenzene	ND 0.96	5.3	µg/Kg 1 4/23/2009 06:52 PM
Naphthalene	ND 1.8	5.3	µg/Kg 1 4/23/2009 06:52 PM
o-Xylene	ND 1.1	5.3	µg/Kg 1 4/23/2009 06:52 PM
sec-Butylbenzene	ND 0.91	5.3	µg/Kg 1 4/23/2009 06:52 PM
Styrene	ND 0.95	5.3	µg/Kg 1 4/23/2009 06:52 PM
tert-Butylbenzene	ND 0.65	5.3	µg/Kg 1 4/23/2009 06:52 PM
Tetrachloroethene	ND 1.1	5.3	µg/Kg 1 4/23/2009 06:52 PM
Toluene	ND 0.88	5.3	µg/Kg 1 4/23/2009 06:52 PM
trans-1,2-Dichloroethene	ND 1.1	5.3	µg/Kg 1 4/23/2009 06:52 PM
Trichloroethene	ND 2.1	5.3	µg/Kg 1 4/23/2009 06:52 PM
Trichlorofluoromethane	ND 1.2	5.3	µg/Kg 1 4/23/2009 06:52 PM
Vinyl chloride	ND 0.63	5.3	µg/Kg 1 4/23/2009 06:52 PM
Surr: 1,2-Dichloroethane-d4	116 0	68-147	%REC 1 4/23/2009 06:52 PM
Surr: 4-Bromofluorobenzene	103 0	67-127	%REC 1 4/23/2009 06:52 PM
Surr: Dibromofluoromethane	116 0	72-141	%REC 1 4/23/2009 06:52 PM
Surr: Toluene-d8	115 0	75-120	%REC 1 4/23/2009 06:52 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 29-Apr-09

CLIENT: Ninyo & Moore
Lab Order: 105173
Project: 207126015
Lab ID: 105173-007A

Client Sample ID: 1001-113-30-S
Collection Date: 4/22/2009 2:50:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS5_090423A	QC Batch: T09VS106	PrepDate: 4/23/2009	Analyst: HH
1,1,1,2-Tetrachloroethane	ND 1.9	5.5	µg/Kg 1 4/23/2009 07:11 PM
1,1,1-Trichloroethane	ND 0.72	5.5	µg/Kg 1 4/23/2009 07:11 PM
1,1,2,2-Tetrachloroethane	ND 1.7	5.5	µg/Kg 1 4/23/2009 07:11 PM
1,1,2-Trichloroethane	ND 1.8	5.5	µg/Kg 1 4/23/2009 07:11 PM
1,1-Dichloroethane	ND 0.56	5.5	µg/Kg 1 4/23/2009 07:11 PM
1,1-Dichloroethene	ND 1.4	5.5	µg/Kg 1 4/23/2009 07:11 PM
1,1-Dichloropropene	ND 1.7	5.5	µg/Kg 1 4/23/2009 07:11 PM
1,2,3-Trichlorobenzene	ND 1.1	5.5	µg/Kg 1 4/23/2009 07:11 PM
1,2,3-Trichloropropane	ND 0.83	5.5	µg/Kg 1 4/23/2009 07:11 PM
1,2,4-Trichlorobenzene	ND 1.5	5.5	µg/Kg 1 4/23/2009 07:11 PM
1,2,4-Trimethylbenzene	ND 0.95	5.5	µg/Kg 1 4/23/2009 07:11 PM
1,2-Dibromo-3-chloropropane	ND 2.1	11	µg/Kg 1 4/23/2009 07:11 PM
1,2-Dibromoethane	ND 1.6	5.5	µg/Kg 1 4/23/2009 07:11 PM
1,2-Dichlorobenzene	ND 0.92	5.5	µg/Kg 1 4/23/2009 07:11 PM
1,2-Dichloroethane	ND 1.3	5.5	µg/Kg 1 4/23/2009 07:11 PM
1,2-Dichloropropane	ND 1.7	5.5	µg/Kg 1 4/23/2009 07:11 PM
1,3,5-Trimethylbenzene	ND 1.1	5.5	µg/Kg 1 4/23/2009 07:11 PM
1,3-Dichlorobenzene	ND 1.1	5.5	µg/Kg 1 4/23/2009 07:11 PM
1,3-Dichloropropane	ND 1.2	5.5	µg/Kg 1 4/23/2009 07:11 PM
1,4-Dichlorobenzene	ND 1.3	5.5	µg/Kg 1 4/23/2009 07:11 PM
2,2-Dichloropropane	ND 0.97	5.5	µg/Kg 1 4/23/2009 07:11 PM
2-Chlorotoluene	ND 0.73	5.5	µg/Kg 1 4/23/2009 07:11 PM
4-Chlorotoluene	ND 0.75	5.5	µg/Kg 1 4/23/2009 07:11 PM
4-Isopropyltoluene	ND 0.63	5.5	µg/Kg 1 4/23/2009 07:11 PM
Benzene	ND 0.91	5.5	µg/Kg 1 4/23/2009 07:11 PM
Bromobenzene	ND 1.7	5.5	µg/Kg 1 4/23/2009 07:11 PM
Bromodichloromethane	ND 0.95	5.5	µg/Kg 1 4/23/2009 07:11 PM
Bromoform	ND 1.3	5.5	µg/Kg 1 4/23/2009 07:11 PM
Bromomethane	ND 0.97	5.5	µg/Kg 1 4/23/2009 07:11 PM
Carbon tetrachloride	ND 1.5	5.5	µg/Kg 1 4/23/2009 07:11 PM
Chlorobenzene	ND 0.99	5.5	µg/Kg 1 4/23/2009 07:11 PM
Chloroethane	ND 1.5	5.5	µg/Kg 1 4/23/2009 07:11 PM
Chloroform	ND 0.69	5.5	µg/Kg 1 4/23/2009 07:11 PM
Chloromethane	ND 0.91	5.5	µg/Kg 1 4/23/2009 07:11 PM
cis-1,2-Dichloroethene	ND 1.3	5.5	µg/Kg 1 4/23/2009 07:11 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 29-Apr-09

CLIENT: Ninyo & Moore
Lab Order: 105173
Project: 207126015
Lab ID: 105173-007A

Client Sample ID: 1001-113-30-S
Collection Date: 4/22/2009 2:50:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS5_090423A	QC Batch: T09VS106	PrepDate: 4/23/2009	Analyst: HH
cis-1,3-Dichloropropene	ND 1.4	5.5	µg/Kg 1 4/23/2009 07:11 PM
Dibromochloromethane	ND 0.75	5.5	µg/Kg 1 4/23/2009 07:11 PM
Dibromomethane	ND 1.9	5.5	µg/Kg 1 4/23/2009 07:11 PM
Dichlorodifluoromethane	ND 0.67	5.5	µg/Kg 1 4/23/2009 07:11 PM
Ethylbenzene	ND 1.0	5.5	µg/Kg 1 4/23/2009 07:11 PM
Hexachlorobutadiene	ND 3.8	5.5	µg/Kg 1 4/23/2009 07:11 PM
Isopropylbenzene	ND 1.4	5.5	µg/Kg 1 4/23/2009 07:11 PM
m,p-Xylene	ND 1.9	11	µg/Kg 1 4/23/2009 07:11 PM
Methylene chloride	ND 5.5	5.5	µg/Kg 1 4/23/2009 07:11 PM
n-Butylbenzene	ND 1.2	5.5	µg/Kg 1 4/23/2009 07:11 PM
n-Propylbenzene	ND 1.0	5.5	µg/Kg 1 4/23/2009 07:11 PM
Naphthalene	ND 1.8	5.5	µg/Kg 1 4/23/2009 07:11 PM
o-Xylene	ND 1.1	5.5	µg/Kg 1 4/23/2009 07:11 PM
sec-Butylbenzene	ND 0.95	5.5	µg/Kg 1 4/23/2009 07:11 PM
Styrene	ND 0.99	5.5	µg/Kg 1 4/23/2009 07:11 PM
tert-Butylbenzene	ND 0.68	5.5	µg/Kg 1 4/23/2009 07:11 PM
Tetrachloroethene	ND 1.2	5.5	µg/Kg 1 4/23/2009 07:11 PM
Toluene	ND 0.92	5.5	µg/Kg 1 4/23/2009 07:11 PM
trans-1,2-Dichloroethene	ND 1.1	5.5	µg/Kg 1 4/23/2009 07:11 PM
Trichloroethene	ND 2.2	5.5	µg/Kg 1 4/23/2009 07:11 PM
Trichlorofluoromethane	ND 1.3	5.5	µg/Kg 1 4/23/2009 07:11 PM
Vinyl chloride	ND 0.65	5.5	µg/Kg 1 4/23/2009 07:11 PM
Surr: 1,2-Dichloroethane-d4	116 0	68-147	%REC 1 4/23/2009 07:11 PM
Surr: 4-Bromofluorobenzene	107 0	67-127	%REC 1 4/23/2009 07:11 PM
Surr: Dibromofluoromethane	118 0	72-141	%REC 1 4/23/2009 07:11 PM
Surr: Toluene-d8	117 0	75-120	%REC 1 4/23/2009 07:11 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 29-Apr-09

CLIENT: Ninyo & Moore
Lab Order: 105173
Project: 207126015
Lab ID: 105173-008A

Client Sample ID: 1001-113-35-S
Collection Date: 4/22/2009 2:55:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS5_090423A	QC Batch: T09VS106	PrepDate: 4/23/2009	Analyst: HH
1,1,1,2-Tetrachloroethane	ND 1.5	4.3	µg/Kg 1 4/23/2009 07:31 PM
1,1,1-Trichloroethane	ND 0.56	4.3	µg/Kg 1 4/23/2009 07:31 PM
1,1,2,2-Tetrachloroethane	ND 1.4	4.3	µg/Kg 1 4/23/2009 07:31 PM
1,1,2-Trichloroethane	ND 1.4	4.3	µg/Kg 1 4/23/2009 07:31 PM
1,1-Dichloroethane	ND 0.44	4.3	µg/Kg 1 4/23/2009 07:31 PM
1,1-Dichloroethene	ND 1.1	4.3	µg/Kg 1 4/23/2009 07:31 PM
1,1-Dichloropropene	ND 1.3	4.3	µg/Kg 1 4/23/2009 07:31 PM
1,2,3-Trichlorobenzene	ND 0.90	4.3	µg/Kg 1 4/23/2009 07:31 PM
1,2,3-Trichloropropane	ND 0.65	4.3	µg/Kg 1 4/23/2009 07:31 PM
1,2,4-Trichlorobenzene	ND 1.2	4.3	µg/Kg 1 4/23/2009 07:31 PM
1,2,4-Trimethylbenzene	ND 0.75	4.3	µg/Kg 1 4/23/2009 07:31 PM
1,2-Dibromo-3-chloropropane	ND 1.7	8.7	µg/Kg 1 4/23/2009 07:31 PM
1,2-Dibromoethane	ND 1.3	4.3	µg/Kg 1 4/23/2009 07:31 PM
1,2-Dichlorobenzene	ND 0.72	4.3	µg/Kg 1 4/23/2009 07:31 PM
1,2-Dichloroethane	ND 1.0	4.3	µg/Kg 1 4/23/2009 07:31 PM
1,2-Dichloropropane	ND 1.4	4.3	µg/Kg 1 4/23/2009 07:31 PM
1,3,5-Trimethylbenzene	ND 0.87	4.3	µg/Kg 1 4/23/2009 07:31 PM
1,3-Dichlorobenzene	ND 0.88	4.3	µg/Kg 1 4/23/2009 07:31 PM
1,3-Dichloropropane	ND 0.91	4.3	µg/Kg 1 4/23/2009 07:31 PM
1,4-Dichlorobenzene	ND 1.0	4.3	µg/Kg 1 4/23/2009 07:31 PM
2,2-Dichloropropane	ND 0.76	4.3	µg/Kg 1 4/23/2009 07:31 PM
2-Chlorotoluene	ND 0.57	4.3	µg/Kg 1 4/23/2009 07:31 PM
4-Chlorotoluene	ND 0.59	4.3	µg/Kg 1 4/23/2009 07:31 PM
4-Isopropyltoluene	ND 0.50	4.3	µg/Kg 1 4/23/2009 07:31 PM
Benzene	ND 0.71	4.3	µg/Kg 1 4/23/2009 07:31 PM
Bromobenzene	ND 1.4	4.3	µg/Kg 1 4/23/2009 07:31 PM
Bromodichloromethane	ND 0.74	4.3	µg/Kg 1 4/23/2009 07:31 PM
Bromoform	ND 1.1	4.3	µg/Kg 1 4/23/2009 07:31 PM
Bromomethane	ND 0.76	4.3	µg/Kg 1 4/23/2009 07:31 PM
Carbon tetrachloride	ND 1.2	4.3	µg/Kg 1 4/23/2009 07:31 PM
Chlorobenzene	ND 0.78	4.3	µg/Kg 1 4/23/2009 07:31 PM
Chloroethane	ND 1.1	4.3	µg/Kg 1 4/23/2009 07:31 PM
Chloroform	ND 0.54	4.3	µg/Kg 1 4/23/2009 07:31 PM
Chloromethane	ND 0.71	4.3	µg/Kg 1 4/23/2009 07:31 PM
cis-1,2-Dichloroethene	ND 1.0	4.3	µg/Kg 1 4/23/2009 07:31 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 29-Apr-09

CLIENT: Ninyo & Moore
Lab Order: 105173
Project: 207126015
Lab ID: 105173-008A

Client Sample ID: 1001-113-35-S
Collection Date: 4/22/2009 2:55:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS5_090423A	QC Batch: T09VS106	PrepDate: 4/23/2009	Analyst: HH
cis-1,3-Dichloropropene	ND 1.1 4.3	µg/Kg 1	4/23/2009 07:31 PM
Dibromochloromethane	ND 0.59 4.3	µg/Kg 1	4/23/2009 07:31 PM
Dibromomethane	ND 1.5 4.3	µg/Kg 1	4/23/2009 07:31 PM
Dichlorodifluoromethane	ND 0.52 4.3	µg/Kg 1	4/23/2009 07:31 PM
Ethylbenzene	ND 0.79 4.3	µg/Kg 1	4/23/2009 07:31 PM
Hexachlorobutadiene	ND 2.9 4.3	µg/Kg 1	4/23/2009 07:31 PM
Isopropylbenzene	ND 1.1 4.3	µg/Kg 1	4/23/2009 07:31 PM
m,p-Xylene	ND 1.5 8.7	µg/Kg 1	4/23/2009 07:31 PM
Methylene chloride	ND 4.3 4.3	µg/Kg 1	4/23/2009 07:31 PM
n-Butylbenzene	ND 0.90 4.3	µg/Kg 1	4/23/2009 07:31 PM
n-Propylbenzene	ND 0.78 4.3	µg/Kg 1	4/23/2009 07:31 PM
Naphthalene	ND 1.4 4.3	µg/Kg 1	4/23/2009 07:31 PM
o-Xylene	ND 0.89 4.3	µg/Kg 1	4/23/2009 07:31 PM
sec-Butylbenzene	ND 0.74 4.3	µg/Kg 1	4/23/2009 07:31 PM
Styrene	ND 0.78 4.3	µg/Kg 1	4/23/2009 07:31 PM
tert-Butylbenzene	ND 0.53 4.3	µg/Kg 1	4/23/2009 07:31 PM
Tetrachloroethene	ND 0.92 4.3	µg/Kg 1	4/23/2009 07:31 PM
Toluene	ND 0.72 4.3	µg/Kg 1	4/23/2009 07:31 PM
trans-1,2-Dichloroethene	ND 0.86 4.3	µg/Kg 1	4/23/2009 07:31 PM
Trichloroethene	ND 1.7 4.3	µg/Kg 1	4/23/2009 07:31 PM
Trichlorofluoromethane	ND 1.0 4.3	µg/Kg 1	4/23/2009 07:31 PM
Vinyl chloride	ND 0.51 4.3	µg/Kg 1	4/23/2009 07:31 PM
Surr: 1,2-Dichloroethane-d4	117 0 68-147	%REC 1	4/23/2009 07:31 PM
Surr: 4-Bromofluorobenzene	105 0 67-127	%REC 1	4/23/2009 07:31 PM
Surr: Dibromofluoromethane	118 0 72-141	%REC 1	4/23/2009 07:31 PM
Surr: Toluene-d8	119 0 75-120	%REC 1	4/23/2009 07:31 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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Laboratories

3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 29-Apr-09

CLIENT: Ninyo & Moore
Lab Order: 105173
Project: 207126015
Lab ID: 105173-009A

Client Sample ID: 1001-113-40-S
Collection Date: 4/22/2009 3:00:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS5_090423A	QC Batch: T09VS106	PrepDate: 4/23/2009	Analyst: HH
1,1,1,2-Tetrachloroethane	ND 1.5	4.4	µg/Kg 1 4/23/2009 07:50 PM
1,1,1-Trichloroethane	ND 0.57	4.4	µg/Kg 1 4/23/2009 07:50 PM
1,1,2,2-Tetrachloroethane	ND 1.4	4.4	µg/Kg 1 4/23/2009 07:50 PM
1,1,2-Trichloroethane	ND 1.5	4.4	µg/Kg 1 4/23/2009 07:50 PM
1,1-Dichloroethane	ND 0.45	4.4	µg/Kg 1 4/23/2009 07:50 PM
1,1-Dichloroethene	ND 1.1	4.4	µg/Kg 1 4/23/2009 07:50 PM
1,1-Dichloropropene	ND 1.3	4.4	µg/Kg 1 4/23/2009 07:50 PM
1,2,3-Trichlorobenzene	ND 0.92	4.4	µg/Kg 1 4/23/2009 07:50 PM
1,2,3-Trichloropropane	ND 0.66	4.4	µg/Kg 1 4/23/2009 07:50 PM
1,2,4-Trichlorobenzene	ND 1.2	4.4	µg/Kg 1 4/23/2009 07:50 PM
1,2,4-Trimethylbenzene	ND 0.76	4.4	µg/Kg 1 4/23/2009 07:50 PM
1,2-Dibromo-3-chloropropane	ND 1.7	8.8	µg/Kg 1 4/23/2009 07:50 PM
1,2-Dibromoethane	ND 1.3	4.4	µg/Kg 1 4/23/2009 07:50 PM
1,2-Dichlorobenzene	ND 0.73	4.4	µg/Kg 1 4/23/2009 07:50 PM
1,2-Dichloroethane	ND 1.0	4.4	µg/Kg 1 4/23/2009 07:50 PM
1,2-Dichloropropane	ND 1.4	4.4	µg/Kg 1 4/23/2009 07:50 PM
1,3,5-Trimethylbenzene	ND 0.89	4.4	µg/Kg 1 4/23/2009 07:50 PM
1,3-Dichlorobenzene	ND 0.89	4.4	µg/Kg 1 4/23/2009 07:50 PM
1,3-Dichloropropane	ND 0.93	4.4	µg/Kg 1 4/23/2009 07:50 PM
1,4-Dichlorobenzene	ND 1.1	4.4	µg/Kg 1 4/23/2009 07:50 PM
2,2-Dichloropropane	ND 0.77	4.4	µg/Kg 1 4/23/2009 07:50 PM
2-Chlorotoluene	ND 0.58	4.4	µg/Kg 1 4/23/2009 07:50 PM
4-Chlorotoluene	ND 0.60	4.4	µg/Kg 1 4/23/2009 07:50 PM
4-Isopropyltoluene	ND 0.51	4.4	µg/Kg 1 4/23/2009 07:50 PM
Benzene	ND 0.73	4.4	µg/Kg 1 4/23/2009 07:50 PM
Bromobenzene	ND 1.4	4.4	µg/Kg 1 4/23/2009 07:50 PM
Bromodichloromethane	ND 0.75	4.4	µg/Kg 1 4/23/2009 07:50 PM
Bromoform	ND 1.1	4.4	µg/Kg 1 4/23/2009 07:50 PM
Bromomethane	ND 0.77	4.4	µg/Kg 1 4/23/2009 07:50 PM
Carbon tetrachloride	ND 1.2	4.4	µg/Kg 1 4/23/2009 07:50 PM
Chlorobenzene	ND 0.79	4.4	µg/Kg 1 4/23/2009 07:50 PM
Chloroethane	ND 1.2	4.4	µg/Kg 1 4/23/2009 07:50 PM
Chloroform	ND 0.55	4.4	µg/Kg 1 4/23/2009 07:50 PM
Chloromethane	ND 0.72	4.4	µg/Kg 1 4/23/2009 07:50 PM
cis-1,2-Dichloroethene	ND 1.1	4.4	µg/Kg 1 4/23/2009 07:50 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



Advanced Technology
Laboratories

3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 29-Apr-09

CLIENT: Ninyo & Moore
Lab Order: 105173
Project: 207126015
Lab ID: 105173-009A

Client Sample ID: 1001-113-40-S
Collection Date: 4/22/2009 3:00:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS5_090423A	QC Batch: T09VS106	PrepDate: 4/23/2009	Analyst: HH
cis-1,3-Dichloropropene	ND 1.1	4.4	µg/Kg 1 4/23/2009 07:50 PM
Dibromochloromethane	ND 0.60	4.4	µg/Kg 1 4/23/2009 07:50 PM
Dibromomethane	ND 1.5	4.4	µg/Kg 1 4/23/2009 07:50 PM
Dichlorodifluoromethane	ND 0.53	4.4	µg/Kg 1 4/23/2009 07:50 PM
Ethylbenzene	ND 0.80	4.4	µg/Kg 1 4/23/2009 07:50 PM
Hexachlorobutadiene	ND 3.0	4.4	µg/Kg 1 4/23/2009 07:50 PM
Isopropylbenzene	ND 1.1	4.4	µg/Kg 1 4/23/2009 07:50 PM
m,p-Xylene	ND 1.5	8.8	µg/Kg 1 4/23/2009 07:50 PM
Methylene chloride	ND 4.4	4.4	µg/Kg 1 4/23/2009 07:50 PM
n-Butylbenzene	ND 0.92	4.4	µg/Kg 1 4/23/2009 07:50 PM
n-Propylbenzene	ND 0.80	4.4	µg/Kg 1 4/23/2009 07:50 PM
Naphthalene	ND 1.5	4.4	µg/Kg 1 4/23/2009 07:50 PM
o-Xylene	ND 0.91	4.4	µg/Kg 1 4/23/2009 07:50 PM
sec-Butylbenzene	ND 0.75	4.4	µg/Kg 1 4/23/2009 07:50 PM
Styrene	ND 0.79	4.4	µg/Kg 1 4/23/2009 07:50 PM
tert-Butylbenzene	ND 0.54	4.4	µg/Kg 1 4/23/2009 07:50 PM
Tetrachloroethene	ND 0.93	4.4	µg/Kg 1 4/23/2009 07:50 PM
Toluene	ND 0.73	4.4	µg/Kg 1 4/23/2009 07:50 PM
trans-1,2-Dichloroethene	ND 0.88	4.4	µg/Kg 1 4/23/2009 07:50 PM
Trichloroethene	ND 1.7	4.4	µg/Kg 1 4/23/2009 07:50 PM
Trichlorofluoromethane	ND 1.0	4.4	µg/Kg 1 4/23/2009 07:50 PM
Vinyl chloride	ND 0.52	4.4	µg/Kg 1 4/23/2009 07:50 PM
Surr: 1,2-Dichloroethane-d4	113 0	68-147	%REC 1 4/23/2009 07:50 PM
Surr: 4-Bromofluorobenzene	103 0	67-127	%REC 1 4/23/2009 07:50 PM
Surr: Dibromofluoromethane	113 0	72-141	%REC 1 4/23/2009 07:50 PM
Surr: Toluene-d8	115 0	75-120	%REC 1 4/23/2009 07:50 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 29-Apr-09

CLIENT: Ninyo & Moore
Lab Order: 105173
Project: 207126015
Lab ID: 105173-010A

Client Sample ID: QC EB-2
Collection Date: 4/22/2009 3:25:00 PM
Matrix: WATER

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS2_090423A	QC Batch: Q09VW082	PrepDate:	Analyst: SLL			
1,1,1,2-Tetrachloroethane	ND	2.5	5.0	µg/L	1	4/23/2009 10:56 AM
1,1,1-Trichloroethane	ND	2.8	5.0	µg/L	1	4/23/2009 10:56 AM
1,1,2,2-Tetrachloroethane	ND	2.8	5.0	µg/L	1	4/23/2009 10:56 AM
1,1,2-Trichloroethane	ND	2.8	5.0	µg/L	1	4/23/2009 10:56 AM
1,1-Dichloroethane	ND	2.7	5.0	µg/L	1	4/23/2009 10:56 AM
1,1-Dichloroethene	ND	2.4	5.0	µg/L	1	4/23/2009 10:56 AM
1,1-Dichloropropene	ND	2.9	5.0	µg/L	1	4/23/2009 10:56 AM
1,2,3-Trichlorobenzene	ND	2.5	5.0	µg/L	1	4/23/2009 10:56 AM
1,2,3-Trichloropropane	ND	3.1	5.0	µg/L	1	4/23/2009 10:56 AM
1,2,4-Trichlorobenzene	ND	2.4	5.0	µg/L	1	4/23/2009 10:56 AM
1,2,4-Trimethylbenzene	ND	2.6	5.0	µg/L	1	4/23/2009 10:56 AM
1,2-Dibromo-3-chloropropane	ND	3.1	5.0	µg/L	1	4/23/2009 10:56 AM
1,2-Dibromoethane	ND	2.7	5.0	µg/L	1	4/23/2009 10:56 AM
1,2-Dichlorobenzene	ND	2.6	5.0	µg/L	1	4/23/2009 10:56 AM
1,2-Dichloroethane	ND	2.7	5.0	µg/L	1	4/23/2009 10:56 AM
1,2-Dichloropropane	ND	2.4	5.0	µg/L	1	4/23/2009 10:56 AM
1,3,5-Trimethylbenzene	ND	2.6	5.0	µg/L	1	4/23/2009 10:56 AM
1,3-Dichlorobenzene	ND	2.7	5.0	µg/L	1	4/23/2009 10:56 AM
1,3-Dichloropropane	ND	3.1	5.0	µg/L	1	4/23/2009 10:56 AM
1,4-Dichlorobenzene	ND	2.8	5.0	µg/L	1	4/23/2009 10:56 AM
2,2-Dichloropropane	ND	4.9	5.0	µg/L	1	4/23/2009 10:56 AM
2-Chlorotoluene	ND	2.6	5.0	µg/L	1	4/23/2009 10:56 AM
4-Chlorotoluene	ND	2.6	5.0	µg/L	1	4/23/2009 10:56 AM
4-Isopropyltoluene	ND	2.9	5.0	µg/L	1	4/23/2009 10:56 AM
Benzene	ND	2.6	5.0	µg/L	1	4/23/2009 10:56 AM
Bromobenzene	ND	2.4	5.0	µg/L	1	4/23/2009 10:56 AM
Bromodichloromethane	ND	2.5	5.0	µg/L	1	4/23/2009 10:56 AM
Bromoform	ND	2.7	5.0	µg/L	1	4/23/2009 10:56 AM
Bromomethane	ND	4.9	5.0	µg/L	1	4/23/2009 10:56 AM
Carbon tetrachloride	ND	2.9	5.0	µg/L	1	4/23/2009 10:56 AM
Chlorobenzene	ND	2.7	5.0	µg/L	1	4/23/2009 10:56 AM
Chloroethane	ND	2.8	5.0	µg/L	1	4/23/2009 10:56 AM
Chloroform	ND	2.8	5.0	µg/L	1	4/23/2009 10:56 AM
Chloromethane	ND	2.9	5.0	µg/L	1	4/23/2009 10:56 AM
cis-1,2-Dichloroethene	ND	2.7	5.0	µg/L	1	4/23/2009 10:56 AM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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Advanced Technology Laboratories**ANALYTICAL RESULTS**

Print Date: 29-Apr-09

CLIENT: Ninyo & Moore
Lab Order: 105173
Project: 207126015
Lab ID: 105173-010A

Client Sample ID: QC EB-2
Collection Date: 4/22/2009 3:25:00 PM
Matrix: WATER

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS**EPA 8260B**

RunID: MS2_090423A	QC Batch: Q09VW082	PrepDate:	Analyst: SLL			
cis-1,3-Dichloropropene	ND	2.6	5.0	µg/L	1	4/23/2009 10:56 AM
Dibromochloromethane	ND	2.7	5.0	µg/L	1	4/23/2009 10:56 AM
Dibromomethane	ND	3.3	5.0	µg/L	1	4/23/2009 10:56 AM
Dichlorodifluoromethane	ND	2.8	5.0	µg/L	1	4/23/2009 10:56 AM
Ethylbenzene	ND	2.6	5.0	µg/L	1	4/23/2009 10:56 AM
Hexachlorobutadiene	ND	2.6	5.0	µg/L	1	4/23/2009 10:56 AM
Isopropylbenzene	ND	2.5	5.0	µg/L	1	4/23/2009 10:56 AM
m,p-Xylene	ND	5.4	10	µg/L	1	4/23/2009 10:56 AM
Methylene chloride	ND	5.0	5.0	µg/L	1	4/23/2009 10:56 AM
n-Butylbenzene	ND	2.8	5.0	µg/L	1	4/23/2009 10:56 AM
n-Propylbenzene	ND	2.7	5.0	µg/L	1	4/23/2009 10:56 AM
Naphthalene	ND	2.4	5.0	µg/L	1	4/23/2009 10:56 AM
o-Xylene	ND	2.7	5.0	µg/L	1	4/23/2009 10:56 AM
sec-Butylbenzene	ND	2.8	5.0	µg/L	1	4/23/2009 10:56 AM
Styrene	ND	2.5	5.0	µg/L	1	4/23/2009 10:56 AM
tert-Butylbenzene	ND	2.7	5.0	µg/L	1	4/23/2009 10:56 AM
Tetrachloroethene	ND	3.0	5.0	µg/L	1	4/23/2009 10:56 AM
Toluene	ND	2.6	5.0	µg/L	1	4/23/2009 10:56 AM
trans-1,2-Dichloroethene	ND	2.2	5.0	µg/L	1	4/23/2009 10:56 AM
Trichloroethene	ND	2.6	5.0	µg/L	1	4/23/2009 10:56 AM
Trichlorofluoromethane	ND	2.8	5.0	µg/L	1	4/23/2009 10:56 AM
Vinyl chloride	ND	3.1	5.0	µg/L	1	4/23/2009 10:56 AM
Surr: 1,2-Dichloroethane-d4	90.0	0	70-130	%REC	1	4/23/2009 10:56 AM
Surr: 4-Bromofluorobenzene	109	0	70-130	%REC	1	4/23/2009 10:56 AM
Surr: Dibromofluoromethane	102	0	70-130	%REC	1	4/23/2009 10:56 AM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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Laboratories

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Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 29-Apr-09

CLIENT: Ninyo & Moore
Lab Order: 105173
Project: 207126015
Lab ID: 105173-011A

Client Sample ID: TRIP Blank
Collection Date: 4/22/2009
Matrix: WATER

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS2_090423A	QC Batch: Q09VW082	PrepDate:	Analyst: SLL			
1,1,1,2-Tetrachloroethane	ND	2.5	5.0	µg/L	1	4/23/2009 10:34 AM
1,1,1-Trichloroethane	ND	2.8	5.0	µg/L	1	4/23/2009 10:34 AM
1,1,2,2-Tetrachloroethane	ND	2.8	5.0	µg/L	1	4/23/2009 10:34 AM
1,1,2-Trichloroethane	ND	2.8	5.0	µg/L	1	4/23/2009 10:34 AM
1,1-Dichloroethane	ND	2.7	5.0	µg/L	1	4/23/2009 10:34 AM
1,1-Dichloroethene	ND	2.4	5.0	µg/L	1	4/23/2009 10:34 AM
1,1-Dichloropropene	ND	2.9	5.0	µg/L	1	4/23/2009 10:34 AM
1,2,3-Trichlorobenzene	ND	2.5	5.0	µg/L	1	4/23/2009 10:34 AM
1,2,3-Trichloropropane	ND	3.1	5.0	µg/L	1	4/23/2009 10:34 AM
1,2,4-Trichlorobenzene	ND	2.4	5.0	µg/L	1	4/23/2009 10:34 AM
1,2,4-Trimethylbenzene	ND	2.6	5.0	µg/L	1	4/23/2009 10:34 AM
1,2-Dibromo-3-chloropropane	ND	3.1	5.0	µg/L	1	4/23/2009 10:34 AM
1,2-Dibromoethane	ND	2.7	5.0	µg/L	1	4/23/2009 10:34 AM
1,2-Dichlorobenzene	ND	2.6	5.0	µg/L	1	4/23/2009 10:34 AM
1,2-Dichloroethane	ND	2.7	5.0	µg/L	1	4/23/2009 10:34 AM
1,2-Dichloropropane	ND	2.4	5.0	µg/L	1	4/23/2009 10:34 AM
1,3,5-Trimethylbenzene	ND	2.6	5.0	µg/L	1	4/23/2009 10:34 AM
1,3-Dichlorobenzene	ND	2.7	5.0	µg/L	1	4/23/2009 10:34 AM
1,3-Dichloropropane	ND	3.1	5.0	µg/L	1	4/23/2009 10:34 AM
1,4-Dichlorobenzene	ND	2.8	5.0	µg/L	1	4/23/2009 10:34 AM
2,2-Dichloropropane	ND	4.9	5.0	µg/L	1	4/23/2009 10:34 AM
2-Chlorotoluene	ND	2.6	5.0	µg/L	1	4/23/2009 10:34 AM
4-Chlorotoluene	ND	2.6	5.0	µg/L	1	4/23/2009 10:34 AM
4-Isopropyltoluene	ND	2.9	5.0	µg/L	1	4/23/2009 10:34 AM
Benzene	ND	2.6	5.0	µg/L	1	4/23/2009 10:34 AM
Bromobenzene	ND	2.4	5.0	µg/L	1	4/23/2009 10:34 AM
Bromodichloromethane	ND	2.5	5.0	µg/L	1	4/23/2009 10:34 AM
Bromoform	ND	2.7	5.0	µg/L	1	4/23/2009 10:34 AM
Bromomethane	ND	4.9	5.0	µg/L	1	4/23/2009 10:34 AM
Carbon tetrachloride	ND	2.9	5.0	µg/L	1	4/23/2009 10:34 AM
Chlorobenzene	ND	2.7	5.0	µg/L	1	4/23/2009 10:34 AM
Chloroethane	ND	2.8	5.0	µg/L	1	4/23/2009 10:34 AM
Chloroform	ND	2.8	5.0	µg/L	1	4/23/2009 10:34 AM
Chloromethane	ND	2.9	5.0	µg/L	1	4/23/2009 10:34 AM
cis-1,2-Dichloroethene	ND	2.7	5.0	µg/L	1	4/23/2009 10:34 AM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



Advanced Technology
Laboratories

3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 29-Apr-09

CLIENT: Ninyo & Moore
Lab Order: 105173
Project: 207126015
Lab ID: 105173-011A

Client Sample ID: TRIP Blank
Collection Date: 4/22/2009
Matrix: WATER

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS2_090423A	QC Batch: Q09VW082	PrepDate:	Analyst: SLL			
cis-1,3-Dichloropropene	ND	2.6	5.0	µg/L	1	4/23/2009 10:34 AM
Dibromochloromethane	ND	2.7	5.0	µg/L	1	4/23/2009 10:34 AM
Dibromomethane	ND	3.3	5.0	µg/L	1	4/23/2009 10:34 AM
Dichlorodifluoromethane	ND	2.8	5.0	µg/L	1	4/23/2009 10:34 AM
Ethylbenzene	ND	2.6	5.0	µg/L	1	4/23/2009 10:34 AM
Hexachlorobutadiene	ND	2.6	5.0	µg/L	1	4/23/2009 10:34 AM
Isopropylbenzene	ND	2.5	5.0	µg/L	1	4/23/2009 10:34 AM
m,p-Xylene	ND	5.4	10	µg/L	1	4/23/2009 10:34 AM
Methylene chloride	ND	5.0	5.0	µg/L	1	4/23/2009 10:34 AM
n-Butylbenzene	ND	2.8	5.0	µg/L	1	4/23/2009 10:34 AM
n-Propylbenzene	ND	2.7	5.0	µg/L	1	4/23/2009 10:34 AM
Naphthalene	ND	2.4	5.0	µg/L	1	4/23/2009 10:34 AM
o-Xylene	ND	2.7	5.0	µg/L	1	4/23/2009 10:34 AM
sec-Butylbenzene	ND	2.8	5.0	µg/L	1	4/23/2009 10:34 AM
Styrene	ND	2.5	5.0	µg/L	1	4/23/2009 10:34 AM
tert-Butylbenzene	ND	2.7	5.0	µg/L	1	4/23/2009 10:34 AM
Tetrachloroethene	ND	3.0	5.0	µg/L	1	4/23/2009 10:34 AM
Toluene	ND	2.6	5.0	µg/L	1	4/23/2009 10:34 AM
trans-1,2-Dichloroethene	ND	2.2	5.0	µg/L	1	4/23/2009 10:34 AM
Trichloroethene	ND	2.6	5.0	µg/L	1	4/23/2009 10:34 AM
Trichlorofluoromethane	ND	2.8	5.0	µg/L	1	4/23/2009 10:34 AM
Vinyl chloride	ND	3.1	5.0	µg/L	1	4/23/2009 10:34 AM
Surr: 1,2-Dichloroethane-d4	103	0	70-130	%REC	1	4/23/2009 10:34 AM
Surr: 4-Bromofluorobenzene	112	0	70-130	%REC	1	4/23/2009 10:34 AM
Surr: Dibromofluoromethane	111	0	70-130	%REC	1	4/23/2009 10:34 AM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



Advanced Technology
Laboratories

3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CLIENT: Ninyo & Moore

Work Order: 105173

Project: 207126015

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S_5035

Sample ID: T090423LC1		SampType: LCS	TestCode: 8260_S_5035		Units: µg/Kg	Prep Date:			RunNo: 108434			
Client ID: LCSS		Batch ID: T09VS106	TestNo: EPA 8260B			Analysis Date: 4/23/2009			SeqNo: 1701973			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene		49.920	5.0	50.00	0	99.8	70	130				
Benzene		104.690	5.0	100.0	0	105	70	130				
Chlorobenzene		50.000	5.0	50.00	0	100	70	130				
MTBE		51.770	5.0	50.00	0	104	70	130				
Toluene		107.750	5.0	100.0	0	108	70	130				
Trichloroethene		45.220	5.0	50.00	0	90.4	70	130				
Surr: 1,2-Dichloroethane-d4		48.140		50.00		96.3	68	147				
Surr: 4-Bromofluorobenzene		51.050		50.00		102	67	127				
Surr: Dibromofluoromethane		50.770		50.00		102	72	141				
Surr: Toluene-d8		55.970		50.00		112	75	120				

Sample ID: 105191-002AMS	SampType: MS	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date:				RunNo: 108434			
Client ID: ZZZZZZ	Batch ID: T09VS106	TestNo: EPA 8260B			Analysis Date: 4/23/2009				SeqNo: 1701974		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	45.530	5.0	50.00	0	91.1	70	130				
Benzene	95.310	5.0	100.0	0	95.3	70	130				
Chlorobenzene	44.850	5.0	50.00	0	89.7	70	130				
Toluene	97.110	5.0	100.0	0	97.1	70	130				
Trichloroethene	40.840	5.0	50.00	0	81.7	70	130				
Surr: 1,2-Dichloroethane-d4	47.180		50.00		94.4	68	147				
Surr: 4-Bromofluorobenzene	48.470		50.00		96.9	67	127				
Surr: Dibromofluoromethane	49.440		50.00		98.9	72	141				
Surr: Toluene-d8	54.200		50.00		108	75	120				

Qualifiers:

B Analyte detected in the associated Method Blank

ND Not Detected at the Reporting Limit

DO Surrogate Diluted Out

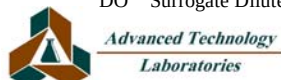
E Value above quantitation range

R RPD outside accepted recovery limits

Calculations are based on raw values

H Holding times for preparation or analysis exceeded

S Spike/Surrogate outside of limits due to matrix interference



CLIENT: Ninyo & Moore
Work Order: 105173
Project: 207126015

ANALYTICAL QC SUMMARY REPORT

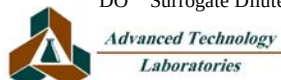
TestCode: 8260_S_5035

Sample ID: 105191-002AMSD	SampType: MSD	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date:				RunNo: 108434			
Client ID: ZZZZZZ	Batch ID: T09VS106	TestNo: EPA 8260B		Analysis Date: 4/23/2009				SeqNo: 1701975			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	49.910	5.0	50.00	0	99.8	70	130	45.53	9.18	20	
Benzene	104.420	5.0	100.0	0	104	70	130	95.31	9.12	20	
Chlorobenzene	49.330	5.0	50.00	0	98.7	70	130	44.85	9.51	20	
Toluene	106.110	5.0	100.0	0	106	70	130	97.11	8.86	20	
Trichloroethene	45.350	5.0	50.00	0	90.7	70	130	40.84	10.5	20	
Surr: 1,2-Dichloroethane-d4	44.150		50.00		88.3	68	147		0	20	
Surr: 4-Bromofluorobenzene	47.740		50.00		95.5	67	127		0	20	
Surr: Dibromofluoromethane	48.230		50.00		96.5	72	141		0	20	
Surr: Toluene-d8	53.450		50.00		107	75	120		0	20	

Sample ID: T090423MB2		SampType: MBLK		TestCode: 8260_S_5035		Units: µg/Kg		Prep Date:			RunNo: 108434	
Client ID: PBS		Batch ID: T09VS106		TestNo: EPA 8260B		Analysis Date: 4/23/2009			SeqNo: 1701976			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane		ND	5.0									
1,1,1-Trichloroethane		ND	5.0									
1,1,2,2-Tetrachloroethane		ND	5.0									
1,1,2-Trichloroethane		ND	5.0									
1,1-Dichloroethane		ND	5.0									
1,1-Dichloroethene		ND	5.0									
1,1-Dichloropropene		ND	5.0									
1,2,3-Trichlorobenzene		ND	5.0									
1,2,3-Trichloropropane		ND	5.0									
1,2,4-Trichlorobenzene		ND	5.0									
1,2,4-Trimethylbenzene		ND	5.0									
1,2-Dibromo-3-chloropropane		ND	10									
1,2-Dibromoethane		ND	5.0									
1,2-Dichlorobenzene		ND	5.0									
1,2-Dichloroethane		ND	5.0									
1,2-Dichloropropane		ND	5.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



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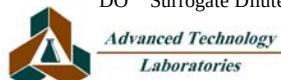
ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S_5035

Sample ID: T090423MB2	SampType: MBLK	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date:					RunNo: 108434		
Client ID: PBS	Batch ID: T09VS106	TestNo: EPA 8260B		Analysis Date: 4/23/2009					SeqNo: 1701976		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,3,5-Trimethylbenzene	ND	5.0									
1,3-Dichlorobenzene	ND	5.0									
1,3-Dichloropropane	ND	5.0									
1,4-Dichlorobenzene	ND	5.0									
2,2-Dichloropropane	ND	5.0									
2-Chlorotoluene	ND	5.0									
4-Chlorotoluene	ND	5.0									
4-Isopropyltoluene	ND	5.0									
Benzene	ND	5.0									
Bromobenzene	ND	5.0									
Bromodichloromethane	ND	5.0									
Bromoform	ND	5.0									
Bromomethane	ND	5.0									
Carbon tetrachloride	ND	5.0									
Chlorobenzene	ND	5.0									
Chloroethane	ND	5.0									
Chloroform	ND	5.0									
Chloromethane	ND	5.0									
cis-1,2-Dichloroethene	ND	5.0									
cis-1,3-Dichloropropene	ND	5.0									
Dibromochloromethane	ND	5.0									
Dibromomethane	ND	5.0									
Dichlorodifluoromethane	ND	5.0									
Ethylbenzene	ND	5.0									
Hexachlorobutadiene	ND	5.0									
Isopropylbenzene	ND	5.0									
m,p-Xylene	ND	10									
Methylene chloride	ND	5.0									
n-Butylbenzene	ND	5.0									
n-Propylbenzene	ND	5.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



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ANALYTICAL QC SUMMARY REPORT

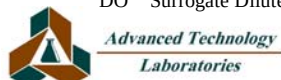
TestCode: 8260_S_5035

Sample ID: T090423MB2		SampType: MBLK		TestCode: 8260_S_5035		Units: µg/Kg		Prep Date:		RunNo: 108434		
Client ID: PBS		Batch ID: T09VS106		TestNo: EPA 8260B				Analysis Date: 4/23/2009		SeqNo: 1701976		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene		ND	5.0									
o-Xylene		ND	5.0									
sec-Butylbenzene		ND	5.0									
Styrene		ND	5.0									
tert-Butylbenzene		ND	5.0									
Tetrachloroethene		ND	5.0									
Toluene		ND	5.0									
trans-1,2-Dichloroethene		ND	5.0									
Trichloroethene		ND	5.0									
Trichlorofluoromethane		ND	5.0									
Vinyl chloride		ND	5.0									
Surr: 1,2-Dichloroethane-d4		45.560		50.00		91.1	68	147				
Surr: 4-Bromofluorobenzene		48.250		50.00		96.5	67	127				
Surr: Dibromofluoromethane		47.800		50.00		95.6	72	141				
Surr: Toluene-d8		53.240		50.00		106	75	120				

Sample ID: 105191-002ADUP	SampType: DUP	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date:				RunNo: 108434			
Client ID: ZZZZZZ	Batch ID: T09VS106	TestNo: EPA 8260B	Analysis Date: 4/23/2009				SeqNo: 1701978				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0						0	0	20	
1,1,1-Trichloroethane	ND	5.0						0	0	20	
1,1,2,2-Tetrachloroethane	ND	5.0						0	0	20	
1,1,2-Trichloroethane	ND	5.0						0	0	20	
1,1-Dichloroethane	ND	5.0						0	0	20	
1,1-Dichloroethene	ND	5.0						0	0	20	
1,1-Dichloropropene	ND	5.0						0	0	20	
1,2,3-Trichlorobenzene	ND	5.0						0	0	20	
1,2,3-Trichloropropane	ND	5.0						0	0	20	
1,2,4-Trichlorobenzene	ND	5.0						0	0	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



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Work Order: 105173
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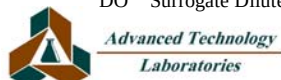
ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S_5035

Sample ID: 105191-002ADUP	SampType: DUP	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date:				RunNo: 108434			
Client ID: ZZZZZZ	Batch ID: T09VS106	TestNo: EPA 8260B		Analysis Date: 4/23/2009				SeqNo: 1701978			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trimethylbenzene	ND	5.0						0	0	20	
1,2-Dibromo-3-chloropropane	ND	10						0	0	20	
1,2-Dibromoethane	ND	5.0						0	0	20	
1,2-Dichlorobenzene	ND	5.0						0	0	20	
1,2-Dichloroethane	ND	5.0						0	0	20	
1,2-Dichloropropane	ND	5.0						0	0	20	
1,3,5-Trimethylbenzene	ND	5.0						0	0	20	
1,3-Dichlorobenzene	ND	5.0						0	0	20	
1,3-Dichloropropane	ND	5.0						0	0	20	
1,4-Dichlorobenzene	ND	5.0						0	0	20	
2,2-Dichloropropane	ND	5.0						0	0	20	
2-Chlorotoluene	ND	5.0						0	0	20	
4-Chlorotoluene	ND	5.0						0	0	20	
4-Isopropyltoluene	ND	5.0						0	0	20	
Benzene	ND	5.0						0	0	20	
Bromobenzene	ND	5.0						0	0	20	
Bromodichloromethane	ND	5.0						0	0	20	
Bromoform	ND	5.0						0	0	20	
Bromomethane	ND	5.0						0	0	20	
Carbon tetrachloride	ND	5.0						0	0	20	
Chlorobenzene	ND	5.0						0	0	20	
Chloroethane	ND	5.0						0	0	20	
Chloroform	ND	5.0						0	0	20	
Chloromethane	ND	5.0						0	0	20	
cis-1,2-Dichloroethene	ND	5.0						0	0	20	
cis-1,3-Dichloropropene	ND	5.0						0	0	20	
Dibromochloromethane	ND	5.0						0	0	20	
Dibromomethane	ND	5.0						0	0	20	
Dichlorodifluoromethane	ND	5.0						0	0	20	
Ethylbenzene	ND	5.0						0	0	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



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Work Order: 105173
Project: 207126015

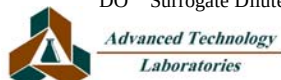
ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S_5035

Sample ID: 105191-002ADUP		SampType: DUP		TestCode: 8260_S_5035		Units: µg/Kg		Prep Date:			RunNo: 108434	
Client ID: ZZZZZZ		Batch ID: T09VS106		TestNo: EPA 8260B		Analysis Date: 4/23/2009			SeqNo: 1701978			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hexachlorobutadiene		ND	5.0						0	0	20	
Isopropylbenzene		ND	5.0						0	0	20	
m,p-Xylene		ND	10						0	0	20	
Methylene chloride		ND	5.0						0	0	20	
n-Butylbenzene		ND	5.0						0	0	20	
n-Propylbenzene		ND	5.0						0	0	20	
Naphthalene		ND	5.0						0	0	20	
o-Xylene		ND	5.0						0	0	20	
sec-Butylbenzene		ND	5.0						0	0	20	
Styrene		ND	5.0						0	0	20	
tert-Butylbenzene		ND	5.0						0	0	20	
Tetrachloroethene		ND	5.0						0	0	20	
Toluene		ND	5.0						0	0	20	
trans-1,2-Dichloroethene		ND	5.0						0	0	20	
Trichloroethene		ND	5.0						0	0	20	
Trichlorofluoromethane		ND	5.0						0	0	20	
Vinyl chloride		ND	5.0						0	0	20	
Surr: 1,2-Dichloroethane-d4		45.710		50.00		91.4	68	147		0	20	
Surr: 4-Bromofluorobenzene		47.000		50.00		94.0	67	127		0	20	
Surr: Dibromofluoromethane		49.060		50.00		98.1	72	141		0	20	
Surr: Toluene-d8		52.990		50.00		106	75	120		0	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



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CLIENT: Ninyo & Moore
Work Order: 105173
Project: 207126015

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP

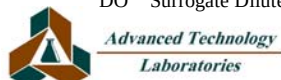
Sample ID: Q090423LCS1		SampType: LCS	TestCode: 8260_WP		Units: µg/L	Prep Date:			RunNo: 108420		
Client ID: LCSW	Batch ID: Q09VW082		TestNo: EPA 8260B			Analysis Date: 4/23/2009			SeqNo: 1701519		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	17.480	5.0	20.00	0	87.4	70	130				
Benzene	38.430	5.0	40.00	0	96.1	70	130				
Chlorobenzene	20.260	5.0	20.00	0	101	70	130				
MTBE	20.630	5.0	20.00	0	103	70	130				
Toluene	38.060	5.0	40.00	0	95.2	70	130				
Trichloroethene	15.830	5.0	20.00	0	79.2	70	130				
Surr: 1,2-Dichloroethane-d4	25.310		25.00		101	70	130				
Surr: 4-Bromofluorobenzene	29.820		25.00		119	70	130				
Surr: Dibromofluoromethane	27.530		25.00		110	70	130				
Surr: Toluene-d8	27.730		25.00		111	70	130				

Sample ID: Q090423MB2MS	SampType: MS	TestCode: 8260_WP	Units: µg/L	Prep Date:				RunNo: 108420			
Client ID: ZZZZZZ	Batch ID: Q09VW082	TestNo: EPA 8260B	Analysis Date: 4/23/2009				SeqNo: 1701520				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	17.870	5.0	20.00	0	89.4	70	130				
Benzene	38.170	5.0	40.00	0	95.4	70	130				
Chlorobenzene	20.050	5.0	20.00	0	100	70	130				
Toluene	37.310	5.0	40.00	0	93.3	70	130				
Trichloroethene	16.120	5.0	20.00	0	80.6	70	130				
Surr: 1,2-Dichloroethane-d4	26.630		25.00		107	70	130				
Surr: 4-Bromofluorobenzene	30.860		25.00		123	70	130				
Surr: Dibromofluoromethane	28.720		25.00		115	70	130				
Surr: Toluene-d8	28.080		25.00		112	70	130				

Sample ID: Q090423MB2MSD	SampType: MSD	TestCode: 8260_WP	Units: µg/L	Prep Date:	RunNo: 108420						
Client ID: ZZZZZZ	Batch ID: Q09VW082	TestNo: EPA 8260B		Analysis Date: 4/23/2009	SeqNo: 1701521						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	16.090	5.0	20.00	0	80.4	70	130	17.87	10.5	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562.989.4045 Fax: 562.989.4040

CLIENT: Ninyo & Moore
Work Order: 105173
Project: 207126015

ANALYTICAL QC SUMMARY REPORT

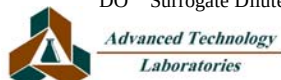
TestCode: 8260_WP

Sample ID: Q090423MB2MSD	SampType: MSD	TestCode: 8260_WP	Units: µg/L	Prep Date:	RunNo: 108420						
Client ID: ZZZZZZ	Batch ID: Q09VW082	TestNo: EPA 8260B		Analysis Date: 4/23/2009	SeqNo: 1701521						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	33.850	5.0	40.00	0	84.6	70	130	38.17	12.0	20	
Chlorobenzene	17.990	5.0	20.00	0	90.0	70	130	20.05	10.8	20	
Toluene	33.350	5.0	40.00	0	83.4	70	130	37.31	11.2	20	
Trichloroethene	14.020	5.0	20.00	0	70.1	70	130	16.12	13.9	20	
Surr: 1,2-Dichloroethane-d4	27.630		25.00		111	70	130		0	20	
Surr: 4-Bromofluorobenzene	31.210		25.00		125	70	130		0	20	
Surr: Dibromofluoromethane	29.320		25.00		117	70	130		0	20	
Surr: Toluene-d8	28.210		25.00		113	70	130		0	20	

Sample ID: Q090423MB2		SampType: MBLK		TestCode: 8260_WP		Units: µg/L		Prep Date:		RunNo: 108420		
Client ID: PBW		Batch ID: Q09VW082		TestNo: EPA 8260B				Analysis Date: 4/23/2009		SeqNo: 1701522		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane		ND	5.0									
1,1,1-Trichloroethane		ND	5.0									
1,1,2,2-Tetrachloroethane		ND	5.0									
1,1,2-Trichloroethane		ND	5.0									
1,1-Dichloroethane		ND	5.0									
1,1-Dichloroethene		ND	5.0									
1,1-Dichloropropene		ND	5.0									
1,2,3-Trichlorobenzene		ND	5.0									
1,2,3-Trichloropropane		ND	5.0									
1,2,4-Trichlorobenzene		ND	5.0									
1,2,4-Trimethylbenzene		ND	5.0									
1,2-Dibromo-3-chloropropane		ND	5.0									
1,2-Dibromoethane		ND	5.0									
1,2-Dichlorobenzene		ND	5.0									
1,2-Dichloroethane		ND	5.0									
1,2-Dichloropropane		ND	5.0									
1,3,5-Trimethylbenzene		ND	5.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



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CLIENT: Ninyo & Moore
Work Order: 105173
Project: 207126015

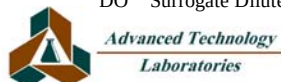
ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP

Sample ID: Q090423MB2	SampType: MBLK	TestCode: 8260_WP	Units: µg/L	Prep Date:	RunNo: 108420						
Client ID: PBW	Batch ID: Q09VW082	TestNo: EPA 8260B		Analysis Date: 4/23/2009	SeqNo: 1701522						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,3-Dichlorobenzene	ND	5.0									
1,3-Dichloropropane	ND	5.0									
1,4-Dichlorobenzene	ND	5.0									
2,2-Dichloropropane	ND	5.0									
2-Chlorotoluene	ND	5.0									
4-Chlorotoluene	ND	5.0									
4-Isopropyltoluene	ND	5.0									
Benzene	ND	5.0									
Bromobenzene	ND	5.0									
Bromodichloromethane	ND	5.0									
Bromoform	ND	5.0									
Bromomethane	ND	5.0									
Carbon tetrachloride	ND	5.0									
Chlorobenzene	ND	5.0									
Chloroethane	ND	5.0									
Chloroform	ND	5.0									
Chloromethane	ND	5.0									
cis-1,2-Dichloroethene	ND	5.0									
cis-1,3-Dichloropropene	ND	5.0									
Dibromochloromethane	ND	5.0									
Dibromomethane	ND	5.0									
Dichlorodifluoromethane	ND	5.0									
Ethylbenzene	ND	5.0									
Hexachlorobutadiene	ND	5.0									
Isopropylbenzene	ND	5.0									
m,p-Xylene	ND	10									
Methylene chloride	ND	5.0									
n-Butylbenzene	ND	5.0									
n-Propylbenzene	ND	5.0									
Naphthalene	ND	5.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562.989.4045 Fax: 562.989.4040

CLIENT: Ninyo & Moore
Work Order: 105173
Project: 207126015

ANALYTICAL QC SUMMARY REPORT

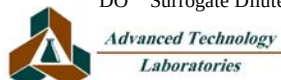
TestCode: 8260_WP

Sample ID: Q090423MB2		SampType: MBLK		TestCode: 8260_WP		Units: µg/L		Prep Date:			RunNo: 108420	
Client ID: PBW		Batch ID: Q09VW082		TestNo: EPA 8260B		Analysis Date: 4/23/2009			SeqNo: 1701522			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
o-Xylene		ND	5.0									
sec-Butylbenzene		ND	5.0									
Styrene		ND	5.0									
tert-Butylbenzene		ND	5.0									
Tetrachloroethene		ND	5.0									
Toluene		ND	5.0									
trans-1,2-Dichloroethene		ND	5.0									
Trichloroethene		ND	5.0									
Trichlorofluoromethane		ND	5.0									
Vinyl chloride		ND	5.0									
Surr: 1,2-Dichloroethane-d4		25.260		25.00		101	70	130				
Surr: 4-Bromofluorobenzene		28.940		25.00		116	70	130				
Surr: Dibromofluoromethane		27.010		25.00		108	70	130				
Surr: Toluene-d8		25.950		25.00		104	70	130				

Sample ID: 105173-010A	SampType: DUP	TestCode: 8260_WP	Units: µg/L	Prep Date:	RunNo: 108420						
Client ID: QC EB-2	Batch ID: Q09VW082	TestNo: EPA 8260B		Analysis Date: 4/23/2009	SeqNo: 1701525						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0						0	0	20	
1,1,1-Trichloroethane	ND	5.0						0	0	20	
1,1,2,2-Tetrachloroethane	ND	5.0						0	0	20	
1,1,2-Trichloroethane	ND	5.0						0	0	20	
1,1-Dichloroethane	ND	5.0						0	0	20	
1,1-Dichloroethene	ND	5.0						0	0	20	
1,1-Dichloropropene	ND	5.0						0	0	20	
1,2,3-Trichlorobenzene	ND	5.0						0	0	20	
1,2,3-Trichloropropane	ND	5.0						0	0	20	
1,2,4-Trichlorobenzene	ND	5.0						0	0	20	
1,2,4-Trimethylbenzene	ND	5.0						0	0	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



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CLIENT: Ninyo & Moore
Work Order: 105173
Project: 207126015

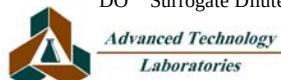
ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP

Sample ID: 105173-010A	SampType: DUP	TestCode: 8260_WP	Units: µg/L	Prep Date:	RunNo: 108420						
Client ID: QC EB-2	Batch ID: Q09VW082	TestNo: EPA 8260B		Analysis Date: 4/23/2009	SeqNo: 1701525						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dibromo-3-chloropropane	ND	5.0						0	0	20	
1,2-Dibromoethane	ND	5.0						0	0	20	
1,2-Dichlorobenzene	ND	5.0						0	0	20	
1,2-Dichloroethane	ND	5.0						0	0	20	
1,2-Dichloropropane	ND	5.0						0	0	20	
1,3,5-Trimethylbenzene	ND	5.0						0	0	20	
1,3-Dichlorobenzene	ND	5.0						0	0	20	
1,3-Dichloropropane	ND	5.0						0	0	20	
1,4-Dichlorobenzene	ND	5.0						0	0	20	
2,2-Dichloropropane	ND	5.0						0	0	20	
2-Butanone	ND	50						0	0	20	
2-Chloroethyl vinyl ether	ND	5.0						0	0	20	
2-Chlorotoluene	ND	5.0						0	0	20	
2-Hexanone	ND	50						0	0	20	
4-Chlorotoluene	ND	5.0						0	0	20	
4-Isopropyltoluene	ND	5.0						0	0	20	
4-Methyl-2-pentanone	ND	50						0	0	20	
Acetone	ND	50						0	0	20	
Acrolein	ND	50						0	0	20	
Acrylonitrile	ND	50						0	0	20	
Benzene	ND	5.0						0	0	20	
Bromobenzene	ND	5.0						0	0	20	
Bromochloromethane	ND	5.0						0	0	20	
Bromodichloromethane	ND	5.0						0	0	20	
Bromoform	ND	5.0						0	0	20	
Bromomethane	ND	5.0						0	0	20	
Carbon disulfide	ND	5.0						0	0	20	
Carbon tetrachloride	ND	5.0						0	0	20	
Chlorobenzene	ND	5.0						0	0	20	
Chloroethane	ND	5.0						0	0	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562.989.4045 Fax: 562.989.4040

CLIENT: Ninyo & Moore
Work Order: 105173
Project: 207126015

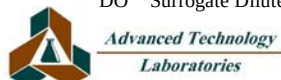
ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP

Sample ID: 105173-010A	SampType: DUP	TestCode: 8260_WP	Units: µg/L	Prep Date:				RunNo: 108420			
Client ID: QC EB-2	Batch ID: Q09VW082	TestNo: EPA 8260B	Analysis Date: 4/23/2009				SeqNo: 1701525				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloroform	ND	5.0						0	0	20	
Chloromethane	ND	5.0						0	0	20	
cis-1,2-Dichloroethene	ND	5.0						0	0	20	
cis-1,3-Dichloropropene	ND	5.0						0	0	20	
Cyclohexanone	ND	50						0	0	20	
Di-isopropyl ether	ND	5.0						0	0	20	
Dibromochloromethane	ND	5.0						0	0	20	
Dibromomethane	ND	5.0						0	0	20	
Dichlorodifluoromethane	ND	5.0						0	0	20	
Ethyl Acetate	ND	50						0	0	20	
Ethyl Ether	ND	50						0	0	20	
Ethyl tert-butyl ether	ND	5.0						0	0	20	
Ethylbenzene	ND	5.0						0	0	20	
Freon-113	ND	5.0						0	0	20	
Hexachlorobutadiene	ND	5.0						0	0	20	
Iodomethane	ND	5.0						0	0	20	
Isopropylbenzene	ND	5.0						0	0	20	
m,p-Xylene	ND	10						0	0	20	
Methylene chloride	ND	5.0						0	0	20	
MTBE	ND	5.0						0	0	20	
n-Butylbenzene	ND	5.0						0	0	20	
n-Propylbenzene	ND	5.0						0	0	20	
Naphthalene	ND	5.0						0	0	20	
o-Xylene	ND	5.0						0	0	20	
sec-Butylbenzene	ND	5.0						0	0	20	
Styrene	ND	5.0						0	0	20	
Tert-amyl methyl ether	ND	5.0						0	0	20	
Tert-Butanol	ND	100						0	0	20	
tert-Butylbenzene	ND	5.0						0	0	20	
Tetrachloroethene	ND	5.0						0	0	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



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CLIENT: Ninyo & Moore
Work Order: 105173
Project: 207126015

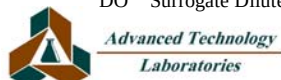
ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP

Sample ID: 105173-010A		SampType: DUP		TestCode: 8260_WP		Units: µg/L		Prep Date:			RunNo: 108420	
Client ID: QC EB-2		Batch ID: Q09VW082		TestNo: EPA 8260B		Analysis Date: 4/23/2009			SeqNo: 1701525			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Toluene		ND	5.0						0	0	20	
trans-1,2-Dichloroethene		ND	5.0						0	0	20	
trans-1,3-Dichloropropene		ND	5.0						0	0	20	
Trichloroethene		ND	5.0						0	0	20	
Trichlorofluoromethane		ND	5.0						0	0	20	
Vinyl acetate		ND	50						0	0	20	
Vinyl chloride		ND	5.0						0	0	20	
Xylenes, Total		ND	15						0	0	20	
Surr: 1,2-Dichloroethane-d4		25.470		25.00		102	70	130		0	20	
Surr: 4-Bromofluorobenzene		28.970		25.00		116	70	130		0	20	
Surr: Dibromofluoromethane		27.180		25.00		109	70	130		0	20	
Surr: Toluene-d8		24.380		25.00		97.5	70	130		0	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



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[illegible]

May 01, 2009



David Shaler
Ninyo & Moore
475 Goddard Suite 200
Irvine, CA 92618
TEL: (949) 753-7070
FAX: (949) 753-7071

ELAP No.: 1838
NELAP No.: 02107CA
NEVADA.: CA-401
CSDLAC No.: 10196

Workorder No.: 105210

RE: 207126015

Attention: David Shaler

Enclosed are the results for sample(s) received on April 23, 2009 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Eddie F. Rodriguez
Laboratory Director

The cover letter and the case narrative are an integral part of this analytical report and cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories.



Advanced Technology Laboratories

Date: 01-May-09

CLIENT: Ninyo & Moore
Project: 207126015
Lab Order: 105210
Contract No:

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
105210-001A	1001-115-2-S	Soil	4/23/2009 7:55:00 AM	4/23/2009	5/1/2009
105210-001B	1001-115-2-S	Soil	4/23/2009 7:55:00 AM	4/23/2009	5/1/2009
105210-001C	1001-115-2-S	Soil	4/23/2009 7:55:00 AM	4/23/2009	5/1/2009
105210-001D	1001-115-2-S	Soil	4/23/2009 7:55:00 AM	4/23/2009	5/1/2009
105210-001E	1001-115-2-S	Soil	4/23/2009 7:55:00 AM	4/23/2009	5/1/2009
105210-001F	1001-115-2-S	Soil	4/23/2009 7:55:00 AM	4/23/2009	5/1/2009
105210-001G	1001-115-2-S	Soil	4/23/2009 7:55:00 AM	4/23/2009	5/1/2009
105210-002A	1001-115-5-S	Soil	4/23/2009 8:00:00 AM	4/23/2009	5/1/2009
105210-002B	1001-115-5-S	Soil	4/23/2009 8:00:00 AM	4/23/2009	5/1/2009
105210-002C	1001-115-5-S	Soil	4/23/2009 8:00:00 AM	4/23/2009	5/1/2009
105210-002D	1001-115-5-S	Soil	4/23/2009 8:00:00 AM	4/23/2009	5/1/2009
105210-002E	1001-115-5-S	Soil	4/23/2009 8:00:00 AM	4/23/2009	5/1/2009
105210-002F	1001-115-5-S	Soil	4/23/2009 8:00:00 AM	4/23/2009	5/1/2009
105210-002G	1001-115-5-S	Soil	4/23/2009 8:00:00 AM	4/23/2009	5/1/2009
105210-003A	1001-115-10-S	Soil	4/23/2009 8:05:00 AM	4/23/2009	5/1/2009
105210-003B	1001-115-10-S	Soil	4/23/2009 8:05:00 AM	4/23/2009	5/1/2009
105210-003C	1001-115-10-S	Soil	4/23/2009 8:05:00 AM	4/23/2009	5/1/2009
105210-003D	1001-115-10-S	Soil	4/23/2009 8:05:00 AM	4/23/2009	5/1/2009
105210-003E	1001-115-10-S	Soil	4/23/2009 8:05:00 AM	4/23/2009	5/1/2009
105210-003F	1001-115-10-S	Soil	4/23/2009 8:05:00 AM	4/23/2009	5/1/2009
105210-003G	1001-115-10-S	Soil	4/23/2009 8:05:00 AM	4/23/2009	5/1/2009
105210-004A	1001-115-20-S	Soil	4/23/2009 8:10:00 AM	4/23/2009	5/1/2009
105210-004B	1001-115-20-S	Soil	4/23/2009 8:10:00 AM	4/23/2009	5/1/2009
105210-004C	1001-115-20-S	Soil	4/23/2009 8:10:00 AM	4/23/2009	5/1/2009
105210-004D	1001-115-20-S	Soil	4/23/2009 8:10:00 AM	4/23/2009	5/1/2009
105210-004E	1001-115-20-S	Soil	4/23/2009 8:10:00 AM	4/23/2009	5/1/2009
105210-004F	1001-115-20-S	Soil	4/23/2009 8:10:00 AM	4/23/2009	5/1/2009
105210-004G	1001-115-20-S	Soil	4/23/2009 8:10:00 AM	4/23/2009	5/1/2009
105210-005A	1001-115-25-S	Soil	4/23/2009 8:15:00 AM	4/23/2009	5/1/2009



Advanced Technology
Laboratories

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Page 1 of 10

CLIENT: Ninyo & Moore
Project: 207126015
Lab Order: 105210
Contract No:

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
105210-005B	1001-115-25-S	Soil	4/23/2009 8:15:00 AM	4/23/2009	5/1/2009
105210-005C	1001-115-25-S	Soil	4/23/2009 8:15:00 AM	4/23/2009	5/1/2009
105210-005D	1001-115-25-S	Soil	4/23/2009 8:15:00 AM	4/23/2009	5/1/2009
105210-005E	1001-115-25-S	Soil	4/23/2009 8:15:00 AM	4/23/2009	5/1/2009
105210-005F	1001-115-25-S	Soil	4/23/2009 8:15:00 AM	4/23/2009	5/1/2009
105210-005G	1001-115-25-S	Soil	4/23/2009 8:15:00 AM	4/23/2009	5/1/2009
105210-006A	1001-115-30-S	Soil	4/23/2009 8:20:00 AM	4/23/2009	5/1/2009
105210-006B	1001-115-30-S	Soil	4/23/2009 8:20:00 AM	4/23/2009	5/1/2009
105210-006C	1001-115-30-S	Soil	4/23/2009 8:20:00 AM	4/23/2009	5/1/2009
105210-006D	1001-115-30-S	Soil	4/23/2009 8:20:00 AM	4/23/2009	5/1/2009
105210-006E	1001-115-30-S	Soil	4/23/2009 8:20:00 AM	4/23/2009	5/1/2009
105210-006F	1001-115-30-S	Soil	4/23/2009 8:20:00 AM	4/23/2009	5/1/2009
105210-006G	1001-115-30-S	Soil	4/23/2009 8:20:00 AM	4/23/2009	5/1/2009
105210-007A	1001-115-35-S	Soil	4/23/2009 8:25:00 AM	4/23/2009	5/1/2009
105210-007B	1001-115-35-S	Soil	4/23/2009 8:25:00 AM	4/23/2009	5/1/2009
105210-007C	1001-115-35-S	Soil	4/23/2009 8:25:00 AM	4/23/2009	5/1/2009
105210-007D	1001-115-35-S	Soil	4/23/2009 8:25:00 AM	4/23/2009	5/1/2009
105210-007E	1001-115-35-S	Soil	4/23/2009 8:25:00 AM	4/23/2009	5/1/2009
105210-007F	1001-115-35-S	Soil	4/23/2009 8:25:00 AM	4/23/2009	5/1/2009
105210-007G	1001-115-35-S	Soil	4/23/2009 8:25:00 AM	4/23/2009	5/1/2009
105210-008A	1001-115-40-S	Soil	4/23/2009 8:30:00 AM	4/23/2009	5/1/2009
105210-008B	1001-115-40-S	Soil	4/23/2009 8:30:00 AM	4/23/2009	5/1/2009
105210-008C	1001-115-40-S	Soil	4/23/2009 8:30:00 AM	4/23/2009	5/1/2009
105210-008D	1001-115-40-S	Soil	4/23/2009 8:30:00 AM	4/23/2009	5/1/2009
105210-008E	1001-115-40-S	Soil	4/23/2009 8:30:00 AM	4/23/2009	5/1/2009
105210-008F	1001-115-40-S	Soil	4/23/2009 8:30:00 AM	4/23/2009	5/1/2009
105210-008G	1001-115-40-S	Soil	4/23/2009 8:30:00 AM	4/23/2009	5/1/2009
105210-009A	1001-115-40D-S	Soil	4/23/2009 8:30:00 AM	4/23/2009	5/1/2009
105210-009B	1001-115-40D-S	Soil	4/23/2009 8:30:00 AM	4/23/2009	5/1/2009
105210-009C	1001-115-40D-S	Soil	4/23/2009 8:30:00 AM	4/23/2009	5/1/2009



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105210-009E	1001-115-40D-S	Soil	4/23/2009 8:30:00 AM	4/23/2009	5/1/2009
105210-009F	1001-115-40D-S	Soil	4/23/2009 8:30:00 AM	4/23/2009	5/1/2009
105210-009G	1001-115-40D-S	Soil	4/23/2009 8:30:00 AM	4/23/2009	5/1/2009
105210-010A	1001-114-25-S	Soil	4/23/2009 9:15:00 AM	4/23/2009	5/1/2009
105210-010B	1001-114-25-S	Soil	4/23/2009 9:15:00 AM	4/23/2009	5/1/2009
105210-010C	1001-114-25-S	Soil	4/23/2009 9:15:00 AM	4/23/2009	5/1/2009
105210-010D	1001-114-25-S	Soil	4/23/2009 9:15:00 AM	4/23/2009	5/1/2009
105210-010E	1001-114-25-S	Soil	4/23/2009 9:15:00 AM	4/23/2009	5/1/2009
105210-010F	1001-114-25-S	Soil	4/23/2009 9:15:00 AM	4/23/2009	5/1/2009
105210-010G	1001-114-25-S	Soil	4/23/2009 9:15:00 AM	4/23/2009	5/1/2009
105210-011A	1001-114-30-S	Soil	4/23/2009 9:20:00 AM	4/23/2009	5/1/2009
105210-011B	1001-114-30-S	Soil	4/23/2009 9:20:00 AM	4/23/2009	5/1/2009
105210-011C	1001-114-30-S	Soil	4/23/2009 9:20:00 AM	4/23/2009	5/1/2009
105210-011D	1001-114-30-S	Soil	4/23/2009 9:20:00 AM	4/23/2009	5/1/2009
105210-011E	1001-114-30-S	Soil	4/23/2009 9:20:00 AM	4/23/2009	5/1/2009
105210-011F	1001-114-30-S	Soil	4/23/2009 9:20:00 AM	4/23/2009	5/1/2009
105210-011G	1001-114-30-S	Soil	4/23/2009 9:20:00 AM	4/23/2009	5/1/2009
105210-012A	1001-114-35-S	Soil	4/23/2009 9:25:00 AM	4/23/2009	5/1/2009
105210-012B	1001-114-35-S	Soil	4/23/2009 9:25:00 AM	4/23/2009	5/1/2009
105210-012C	1001-114-35-S	Soil	4/23/2009 9:25:00 AM	4/23/2009	5/1/2009
105210-012D	1001-114-35-S	Soil	4/23/2009 9:25:00 AM	4/23/2009	5/1/2009
105210-012E	1001-114-35-S	Soil	4/23/2009 9:25:00 AM	4/23/2009	5/1/2009
105210-012F	1001-114-35-S	Soil	4/23/2009 9:25:00 AM	4/23/2009	5/1/2009
105210-012G	1001-114-35-S	Soil	4/23/2009 9:25:00 AM	4/23/2009	5/1/2009
105210-013A	1001-114-35D-S	Soil	4/23/2009 9:25:00 AM	4/23/2009	5/1/2009
105210-013B	1001-114-35D-S	Soil	4/23/2009 9:25:00 AM	4/23/2009	5/1/2009
105210-013C	1001-114-35D-S	Soil	4/23/2009 9:25:00 AM	4/23/2009	5/1/2009
105210-013D	1001-114-35D-S	Soil	4/23/2009 9:25:00 AM	4/23/2009	5/1/2009
105210-013E	1001-114-35D-S	Soil	4/23/2009 9:25:00 AM	4/23/2009	5/1/2009



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105210-013F	1001-114-35D-S	Soil	4/23/2009 9:25:00 AM	4/23/2009	5/1/2009
105210-013G	1001-114-35D-S	Soil	4/23/2009 9:25:00 AM	4/23/2009	5/1/2009
105210-014A	1001-114-40-S	Soil	4/23/2009 9:35:00 AM	4/23/2009	5/1/2009
105210-014B	1001-114-40-S	Soil	4/23/2009 9:35:00 AM	4/23/2009	5/1/2009
105210-014C	1001-114-40-S	Soil	4/23/2009 9:35:00 AM	4/23/2009	5/1/2009
105210-014D	1001-114-40-S	Soil	4/23/2009 9:35:00 AM	4/23/2009	5/1/2009
105210-014E	1001-114-40-S	Soil	4/23/2009 9:35:00 AM	4/23/2009	5/1/2009
105210-014F	1001-114-40-S	Soil	4/23/2009 9:35:00 AM	4/23/2009	5/1/2009
105210-014G	1001-114-40-S	Soil	4/23/2009 9:35:00 AM	4/23/2009	5/1/2009
105210-015A	1001-116-5-S	Soil	4/23/2009 10:20:00 AM	4/23/2009	5/1/2009
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105210-015C	1001-116-5-S	Soil	4/23/2009 10:20:00 AM	4/23/2009	5/1/2009
105210-015D	1001-116-5-S	Soil	4/23/2009 10:20:00 AM	4/23/2009	5/1/2009
105210-015E	1001-116-5-S	Soil	4/23/2009 10:20:00 AM	4/23/2009	5/1/2009
105210-015F	1001-116-5-S	Soil	4/23/2009 10:20:00 AM	4/23/2009	5/1/2009
105210-015G	1001-116-5-S	Soil	4/23/2009 10:20:00 AM	4/23/2009	5/1/2009
105210-016A	1001-116-10-S	Soil	4/23/2009 10:25:00 AM	4/23/2009	5/1/2009
105210-016B	1001-116-10-S	Soil	4/23/2009 10:25:00 AM	4/23/2009	5/1/2009
105210-016C	1001-116-10-S	Soil	4/23/2009 10:25:00 AM	4/23/2009	5/1/2009
105210-016D	1001-116-10-S	Soil	4/23/2009 10:25:00 AM	4/23/2009	5/1/2009
105210-016E	1001-116-10-S	Soil	4/23/2009 10:25:00 AM	4/23/2009	5/1/2009
105210-016F	1001-116-10-S	Soil	4/23/2009 10:25:00 AM	4/23/2009	5/1/2009
105210-016G	1001-116-10-S	Soil	4/23/2009 10:25:00 AM	4/23/2009	5/1/2009
105210-017A	1001-116-20-S	Soil	4/23/2009 10:30:00 AM	4/23/2009	5/1/2009
105210-017B	1001-116-20-S	Soil	4/23/2009 10:30:00 AM	4/23/2009	5/1/2009
105210-017C	1001-116-20-S	Soil	4/23/2009 10:30:00 AM	4/23/2009	5/1/2009
105210-017D	1001-116-20-S	Soil	4/23/2009 10:30:00 AM	4/23/2009	5/1/2009
105210-017E	1001-116-20-S	Soil	4/23/2009 10:30:00 AM	4/23/2009	5/1/2009
105210-017F	1001-116-20-S	Soil	4/23/2009 10:30:00 AM	4/23/2009	5/1/2009
105210-017G	1001-116-20-S	Soil	4/23/2009 10:30:00 AM	4/23/2009	5/1/2009



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105210-018B	1001-116-25-S	Soil	4/23/2009 10:35:00 AM	4/23/2009	5/1/2009
105210-018C	1001-116-25-S	Soil	4/23/2009 10:35:00 AM	4/23/2009	5/1/2009
105210-018D	1001-116-25-S	Soil	4/23/2009 10:35:00 AM	4/23/2009	5/1/2009
105210-018E	1001-116-25-S	Soil	4/23/2009 10:35:00 AM	4/23/2009	5/1/2009
105210-018F	1001-116-25-S	Soil	4/23/2009 10:35:00 AM	4/23/2009	5/1/2009
105210-018G	1001-116-25-S	Soil	4/23/2009 10:35:00 AM	4/23/2009	5/1/2009
105210-019A	1001-116-30-S	Soil	4/23/2009 10:38:00 AM	4/23/2009	5/1/2009
105210-019B	1001-116-30-S	Soil	4/23/2009 10:38:00 AM	4/23/2009	5/1/2009
105210-019C	1001-116-30-S	Soil	4/23/2009 10:38:00 AM	4/23/2009	5/1/2009
105210-019D	1001-116-30-S	Soil	4/23/2009 10:38:00 AM	4/23/2009	5/1/2009
105210-019E	1001-116-30-S	Soil	4/23/2009 10:38:00 AM	4/23/2009	5/1/2009
105210-019F	1001-116-30-S	Soil	4/23/2009 10:38:00 AM	4/23/2009	5/1/2009
105210-019G	1001-116-30-S	Soil	4/23/2009 10:38:00 AM	4/23/2009	5/1/2009
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105210-020B	1001-116-35-S	Soil	4/23/2009 10:45:00 AM	4/23/2009	5/1/2009
105210-020C	1001-116-35-S	Soil	4/23/2009 10:45:00 AM	4/23/2009	5/1/2009
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105210-020F	1001-116-35-S	Soil	4/23/2009 10:45:00 AM	4/23/2009	5/1/2009
105210-020G	1001-116-35-S	Soil	4/23/2009 10:45:00 AM	4/23/2009	5/1/2009
105210-021A	1001-116-40-S	Soil	4/23/2009 10:50:00 AM	4/23/2009	5/1/2009
105210-021B	1001-116-40-S	Soil	4/23/2009 10:50:00 AM	4/23/2009	5/1/2009
105210-021C	1001-116-40-S	Soil	4/23/2009 10:50:00 AM	4/23/2009	5/1/2009
105210-021D	1001-116-40-S	Soil	4/23/2009 10:50:00 AM	4/23/2009	5/1/2009
105210-021E	1001-116-40-S	Soil	4/23/2009 10:50:00 AM	4/23/2009	5/1/2009
105210-021F	1001-116-40-S	Soil	4/23/2009 10:50:00 AM	4/23/2009	5/1/2009
105210-021G	1001-116-40-S	Soil	4/23/2009 10:50:00 AM	4/23/2009	5/1/2009
105210-022A	1001-118-2-S	Soil	4/23/2009 1:00:00 PM	4/23/2009	5/1/2009
105210-022B	1001-118-2-S	Soil	4/23/2009 1:00:00 PM	4/23/2009	5/1/2009



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105210-022D	1001-118-2-S	Soil	4/23/2009 1:00:00 PM	4/23/2009	5/1/2009
105210-022E	1001-118-2-S	Soil	4/23/2009 1:00:00 PM	4/23/2009	5/1/2009
105210-022F	1001-118-2-S	Soil	4/23/2009 1:00:00 PM	4/23/2009	5/1/2009
105210-022G	1001-118-2-S	Soil	4/23/2009 1:00:00 PM	4/23/2009	5/1/2009
105210-023A	1001-118-5-S	Soil	4/23/2009 1:05:00 PM	4/23/2009	5/1/2009
105210-023B	1001-118-5-S	Soil	4/23/2009 1:05:00 PM	4/23/2009	5/1/2009
105210-023C	1001-118-5-S	Soil	4/23/2009 1:05:00 PM	4/23/2009	5/1/2009
105210-023D	1001-118-5-S	Soil	4/23/2009 1:05:00 PM	4/23/2009	5/1/2009
105210-023E	1001-118-5-S	Soil	4/23/2009 1:05:00 PM	4/23/2009	5/1/2009
105210-023F	1001-118-5-S	Soil	4/23/2009 1:05:00 PM	4/23/2009	5/1/2009
105210-023G	1001-118-5-S	Soil	4/23/2009 1:05:00 PM	4/23/2009	5/1/2009
105210-024A	1001-118-10-S	Soil	4/23/2009 1:10:00 PM	4/23/2009	5/1/2009
105210-024B	1001-118-10-S	Soil	4/23/2009 1:10:00 PM	4/23/2009	5/1/2009
105210-024C	1001-118-10-S	Soil	4/23/2009 1:10:00 PM	4/23/2009	5/1/2009
105210-024D	1001-118-10-S	Soil	4/23/2009 1:10:00 PM	4/23/2009	5/1/2009
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105210-024F	1001-118-10-S	Soil	4/23/2009 1:10:00 PM	4/23/2009	5/1/2009
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105210-025F	1001-118-20-S	Soil	4/23/2009 1:15:00 PM	4/23/2009	5/1/2009
105210-025G	1001-118-20-S	Soil	4/23/2009 1:15:00 PM	4/23/2009	5/1/2009
105210-026A	1001-118-25-S	Soil	4/23/2009 1:20:00 PM	4/23/2009	5/1/2009
105210-026B	1001-118-25-S	Soil	4/23/2009 1:20:00 PM	4/23/2009	5/1/2009
105210-026C	1001-118-25-S	Soil	4/23/2009 1:20:00 PM	4/23/2009	5/1/2009
105210-026D	1001-118-25-S	Soil	4/23/2009 1:20:00 PM	4/23/2009	5/1/2009



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105210-026F	1001-118-25-S	Soil	4/23/2009 1:20:00 PM	4/23/2009	5/1/2009
105210-026G	1001-118-25-S	Soil	4/23/2009 1:20:00 PM	4/23/2009	5/1/2009
105210-027A	1001-118-30-S	Soil	4/23/2009 1:25:00 PM	4/23/2009	5/1/2009
105210-027B	1001-118-30-S	Soil	4/23/2009 1:25:00 PM	4/23/2009	5/1/2009
105210-027C	1001-118-30-S	Soil	4/23/2009 1:25:00 PM	4/23/2009	5/1/2009
105210-027D	1001-118-30-S	Soil	4/23/2009 1:25:00 PM	4/23/2009	5/1/2009
105210-027E	1001-118-30-S	Soil	4/23/2009 1:25:00 PM	4/23/2009	5/1/2009
105210-027F	1001-118-30-S	Soil	4/23/2009 1:25:00 PM	4/23/2009	5/1/2009
105210-027G	1001-118-30-S	Soil	4/23/2009 1:25:00 PM	4/23/2009	5/1/2009
105210-028A	1001-118-35-S	Soil	4/23/2009 1:30:00 PM	4/23/2009	5/1/2009
105210-028B	1001-118-35-S	Soil	4/23/2009 1:30:00 PM	4/23/2009	5/1/2009
105210-028C	1001-118-35-S	Soil	4/23/2009 1:30:00 PM	4/23/2009	5/1/2009
105210-028D	1001-118-35-S	Soil	4/23/2009 1:30:00 PM	4/23/2009	5/1/2009
105210-028E	1001-118-35-S	Soil	4/23/2009 1:30:00 PM	4/23/2009	5/1/2009
105210-028F	1001-118-35-S	Soil	4/23/2009 1:30:00 PM	4/23/2009	5/1/2009
105210-028G	1001-118-35-S	Soil	4/23/2009 1:30:00 PM	4/23/2009	5/1/2009
105210-029A	1001-118-40-S	Soil	4/23/2009 1:40:00 PM	4/23/2009	5/1/2009
105210-029B	1001-118-40-S	Soil	4/23/2009 1:40:00 PM	4/23/2009	5/1/2009
105210-029C	1001-118-40-S	Soil	4/23/2009 1:40:00 PM	4/23/2009	5/1/2009
105210-029D	1001-118-40-S	Soil	4/23/2009 1:40:00 PM	4/23/2009	5/1/2009
105210-029E	1001-118-40-S	Soil	4/23/2009 1:40:00 PM	4/23/2009	5/1/2009
105210-029F	1001-118-40-S	Soil	4/23/2009 1:40:00 PM	4/23/2009	5/1/2009
105210-029G	1001-118-40-S	Soil	4/23/2009 1:40:00 PM	4/23/2009	5/1/2009
105210-030A	1001-118-40D-S	Soil	4/23/2009 1:40:00 PM	4/23/2009	5/1/2009
105210-030B	1001-118-40D-S	Soil	4/23/2009 1:40:00 PM	4/23/2009	5/1/2009
105210-030C	1001-118-40D-S	Soil	4/23/2009 1:40:00 PM	4/23/2009	5/1/2009
105210-030D	1001-118-40D-S	Soil	4/23/2009 1:40:00 PM	4/23/2009	5/1/2009
105210-030E	1001-118-40D-S	Soil	4/23/2009 1:40:00 PM	4/23/2009	5/1/2009
105210-030F	1001-118-40D-S	Soil	4/23/2009 1:40:00 PM	4/23/2009	5/1/2009



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105210-030G	1001-118-40D-S	Soil	4/23/2009 1:40:00 PM	4/23/2009	5/1/2009
105210-031A	1001-119-2-S	Soil	4/23/2009 2:55:00 PM	4/23/2009	5/1/2009
105210-031B	1001-119-2-S	Soil	4/23/2009 2:55:00 PM	4/23/2009	5/1/2009
105210-031C	1001-119-2-S	Soil	4/23/2009 2:55:00 PM	4/23/2009	5/1/2009
105210-031D	1001-119-2-S	Soil	4/23/2009 2:55:00 PM	4/23/2009	5/1/2009
105210-032A	1001-119-5-S	Soil	4/23/2009 2:58:00 PM	4/23/2009	5/1/2009
105210-032B	1001-119-5-S	Soil	4/23/2009 2:58:00 PM	4/23/2009	5/1/2009
105210-032C	1001-119-5-S	Soil	4/23/2009 2:58:00 PM	4/23/2009	5/1/2009
105210-032D	1001-119-5-S	Soil	4/23/2009 2:58:00 PM	4/23/2009	5/1/2009
105210-033A	1001-119-10-S	Soil	4/23/2009 3:00:00 PM	4/23/2009	5/1/2009
105210-033B	1001-119-10-S	Soil	4/23/2009 3:00:00 PM	4/23/2009	5/1/2009
105210-033C	1001-119-10-S	Soil	4/23/2009 3:00:00 PM	4/23/2009	5/1/2009
105210-033D	1001-119-10-S	Soil	4/23/2009 3:00:00 PM	4/23/2009	5/1/2009
105210-034A	1001-119-20-S	Soil	4/23/2009 3:03:00 PM	4/23/2009	5/1/2009
105210-034B	1001-119-20-S	Soil	4/23/2009 3:03:00 PM	4/23/2009	5/1/2009
105210-034C	1001-119-20-S	Soil	4/23/2009 3:03:00 PM	4/23/2009	5/1/2009
105210-034D	1001-119-20-S	Soil	4/23/2009 3:03:00 PM	4/23/2009	5/1/2009
105210-035A	1001-119-25-S	Soil	4/23/2009 3:05:00 PM	4/23/2009	5/1/2009
105210-035B	1001-119-25-S	Soil	4/23/2009 3:05:00 PM	4/23/2009	5/1/2009
105210-035C	1001-119-25-S	Soil	4/23/2009 3:05:00 PM	4/23/2009	5/1/2009
105210-035D	1001-119-25-S	Soil	4/23/2009 3:05:00 PM	4/23/2009	5/1/2009
105210-036A	1001-119-30-S	Soil	4/23/2009 3:08:00 PM	4/23/2009	5/1/2009
105210-036B	1001-119-30-S	Soil	4/23/2009 3:08:00 PM	4/23/2009	5/1/2009
105210-036C	1001-119-30-S	Soil	4/23/2009 3:08:00 PM	4/23/2009	5/1/2009
105210-036D	1001-119-30-S	Soil	4/23/2009 3:08:00 PM	4/23/2009	5/1/2009
105210-037A	1001-119-35-S	Soil	4/23/2009 3:10:00 PM	4/23/2009	5/1/2009
105210-037B	1001-119-35-S	Soil	4/23/2009 3:10:00 PM	4/23/2009	5/1/2009
105210-037C	1001-119-35-S	Soil	4/23/2009 3:10:00 PM	4/23/2009	5/1/2009
105210-037D	1001-119-35-S	Soil	4/23/2009 3:10:00 PM	4/23/2009	5/1/2009
105210-038A	1001-119-40-S	Soil	4/23/2009 3:12:00 PM	4/23/2009	5/1/2009



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Page 8 of 10

CLIENT: Ninyo & Moore
Project: 207126015
Lab Order: 105210
Contract No:

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
105210-038B	1001-119-40-S	Soil	4/23/2009 3:12:00 PM	4/23/2009	5/1/2009
105210-038C	1001-119-40-S	Soil	4/23/2009 3:12:00 PM	4/23/2009	5/1/2009
105210-038D	1001-119-40-S	Soil	4/23/2009 3:12:00 PM	4/23/2009	5/1/2009
105210-039A	1001-120-5-S	Soil	4/23/2009 3:50:00 PM	4/23/2009	5/1/2009
105210-039B	1001-120-5-S	Soil	4/23/2009 3:50:00 PM	4/23/2009	5/1/2009
105210-039C	1001-120-5-S	Soil	4/23/2009 3:50:00 PM	4/23/2009	5/1/2009
105210-039D	1001-120-5-S	Soil	4/23/2009 3:50:00 PM	4/23/2009	5/1/2009
105210-040A	1001-120-10-S	Soil	4/23/2009 3:55:00 PM	4/23/2009	5/1/2009
105210-040B	1001-120-10-S	Soil	4/23/2009 3:55:00 PM	4/23/2009	5/1/2009
105210-040C	1001-120-10-S	Soil	4/23/2009 3:55:00 PM	4/23/2009	5/1/2009
105210-040D	1001-120-10-S	Soil	4/23/2009 3:55:00 PM	4/23/2009	5/1/2009
105210-041A	1001-120-20-S	Soil	4/23/2009 3:58:00 PM	4/23/2009	5/1/2009
105210-041B	1001-120-20-S	Soil	4/23/2009 3:58:00 PM	4/23/2009	5/1/2009
105210-041C	1001-120-20-S	Soil	4/23/2009 3:58:00 PM	4/23/2009	5/1/2009
105210-041D	1001-120-20-S	Soil	4/23/2009 3:58:00 PM	4/23/2009	5/1/2009
105210-042A	1001-120-25-S	Soil	4/23/2009 4:00:00 PM	4/23/2009	5/1/2009
105210-042B	1001-120-25-S	Soil	4/23/2009 4:00:00 PM	4/23/2009	5/1/2009
105210-042C	1001-120-25-S	Soil	4/23/2009 4:00:00 PM	4/23/2009	5/1/2009
105210-042D	1001-120-25-S	Soil	4/23/2009 4:00:00 PM	4/23/2009	5/1/2009
105210-043A	1001-120-25D-S	Soil	4/23/2009 4:00:00 PM	4/23/2009	5/1/2009
105210-043B	1001-120-25D-S	Soil	4/23/2009 4:00:00 PM	4/23/2009	5/1/2009
105210-043C	1001-120-25D-S	Soil	4/23/2009 4:00:00 PM	4/23/2009	5/1/2009
105210-043D	1001-120-25D-S	Soil	4/23/2009 4:00:00 PM	4/23/2009	5/1/2009
105210-044A	1001-120-30-S	Soil	4/23/2009 4:03:00 PM	4/23/2009	5/1/2009
105210-044B	1001-120-30-S	Soil	4/23/2009 4:03:00 PM	4/23/2009	5/1/2009
105210-044C	1001-120-30-S	Soil	4/23/2009 4:03:00 PM	4/23/2009	5/1/2009
105210-044D	1001-120-30-S	Soil	4/23/2009 4:03:00 PM	4/23/2009	5/1/2009
105210-045A	1001-120-35-S	Soil	4/23/2009 4:05:00 PM	4/23/2009	5/1/2009
105210-045B	1001-120-35-S	Soil	4/23/2009 4:05:00 PM	4/23/2009	5/1/2009
105210-045C	1001-120-35-S	Soil	4/23/2009 4:05:00 PM	4/23/2009	5/1/2009



CLIENT: Ninyo & Moore
Project: 207126015
Lab Order: 105210
Contract No:

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
105210-045D	1001-120-35-S	Soil	4/23/2009 4:05:00 PM	4/23/2009	5/1/2009
105210-046A	1001-120-40-S	Soil	4/23/2009 4:08:00 PM	4/23/2009	5/1/2009
105210-046B	1001-120-40-S	Soil	4/23/2009 4:08:00 PM	4/23/2009	5/1/2009
105210-046C	1001-120-40-S	Soil	4/23/2009 4:08:00 PM	4/23/2009	5/1/2009
105210-046D	1001-120-40-S	Soil	4/23/2009 4:08:00 PM	4/23/2009	5/1/2009
105210-047A	QCEB-3	Water	4/23/2009 4:15:00 PM	4/23/2009	5/1/2009
105210-048A	Trip Blank	Water	4/23/2009	4/23/2009	5/1/2009



CLIENT: Ninyo & Moore
Project: 207126015
Lab Order: 105210

CASE NARRATIVE

All volatile analyses were performed using 5035 preservation requirements. Any high level dilutions were performed on a preserved methanol sample unless otherwise noted.

Analytical Comments for EPA 8260B

1. Samples 105070-001AMS, 105070-001AMSD, 105070-007AMS and 105070-007AMSD, Matrix Spike (MS) and Matrix Spike Duplicate (MSD) are outside recovery criteria; however, the analytical batch was validated by the Laboratory Control Sample (LCS).
2. Sample 105188-001AMSD, RPD for Matrix Spike Duplicate (MSD) is outside criteria; however, the analytical batch was validated by the Laboratory Control Sample (LCS).
2. Sample 105188-001A, surrogate recovery biased low possibly due to matrix interferences. The analytical batch was validated by the Laboratory Control Sample (LCS).



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105210
Project: 207126015
Lab ID: 105210-001A

Client Sample ID: 1001-115-2-S
Collection Date: 4/23/2009 7:55:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS5_090424A	QC Batch: T09VS107	PrepDate: 4/24/2009	Analyst: HH
1,1,1,2-Tetrachloroethane	ND 1.5	4.4	µg/Kg 1 4/24/2009 01:16 PM
1,1,1-Trichloroethane	ND 0.57	4.4	µg/Kg 1 4/24/2009 01:16 PM
1,1,2,2-Tetrachloroethane	ND 1.4	4.4	µg/Kg 1 4/24/2009 01:16 PM
1,1,2-Trichloroethane	ND 1.4	4.4	µg/Kg 1 4/24/2009 01:16 PM
1,1-Dichloroethane	ND 0.44	4.4	µg/Kg 1 4/24/2009 01:16 PM
1,1-Dichloroethene	ND 1.1	4.4	µg/Kg 1 4/24/2009 01:16 PM
1,1-Dichloropropene	ND 1.3	4.4	µg/Kg 1 4/24/2009 01:16 PM
1,2,3-Trichlorobenzene	ND 0.91	4.4	µg/Kg 1 4/24/2009 01:16 PM
1,2,3-Trichloropropane	ND 0.66	4.4	µg/Kg 1 4/24/2009 01:16 PM
1,2,4-Trichlorobenzene	ND 1.2	4.4	µg/Kg 1 4/24/2009 01:16 PM
1,2,4-Trimethylbenzene	ND 0.76	4.4	µg/Kg 1 4/24/2009 01:16 PM
1,2-Dibromo-3-chloropropane	ND 1.7	8.8	µg/Kg 1 4/24/2009 01:16 PM
1,2-Dibromoethane	ND 1.3	4.4	µg/Kg 1 4/24/2009 01:16 PM
1,2-Dichlorobenzene	ND 0.73	4.4	µg/Kg 1 4/24/2009 01:16 PM
1,2-Dichloroethane	ND 1.0	4.4	µg/Kg 1 4/24/2009 01:16 PM
1,2-Dichloropropane	ND 1.4	4.4	µg/Kg 1 4/24/2009 01:16 PM
1,3,5-Trimethylbenzene	ND 0.88	4.4	µg/Kg 1 4/24/2009 01:16 PM
1,3-Dichlorobenzene	ND 0.89	4.4	µg/Kg 1 4/24/2009 01:16 PM
1,3-Dichloropropane	ND 0.93	4.4	µg/Kg 1 4/24/2009 01:16 PM
1,4-Dichlorobenzene	ND 1.1	4.4	µg/Kg 1 4/24/2009 01:16 PM
2,2-Dichloropropane	ND 0.77	4.4	µg/Kg 1 4/24/2009 01:16 PM
2-Chlorotoluene	ND 0.58	4.4	µg/Kg 1 4/24/2009 01:16 PM
4-Chlorotoluene	ND 0.59	4.4	µg/Kg 1 4/24/2009 01:16 PM
4-Isopropyltoluene	ND 0.50	4.4	µg/Kg 1 4/24/2009 01:16 PM
Benzene	ND 0.72	4.4	µg/Kg 1 4/24/2009 01:16 PM
Bromobenzene	ND 1.4	4.4	µg/Kg 1 4/24/2009 01:16 PM
Bromodichloromethane	ND 0.75	4.4	µg/Kg 1 4/24/2009 01:16 PM
Bromoform	ND 1.1	4.4	µg/Kg 1 4/24/2009 01:16 PM
Bromomethane	ND 0.77	4.4	µg/Kg 1 4/24/2009 01:16 PM
Carbon tetrachloride	ND 1.2	4.4	µg/Kg 1 4/24/2009 01:16 PM
Chlorobenzene	ND 0.79	4.4	µg/Kg 1 4/24/2009 01:16 PM
Chloroethane	ND 1.2	4.4	µg/Kg 1 4/24/2009 01:16 PM
Chloroform	ND 0.55	4.4	µg/Kg 1 4/24/2009 01:16 PM
Chloromethane	ND 0.72	4.4	µg/Kg 1 4/24/2009 01:16 PM
cis-1,2-Dichloroethene	ND 1.1	4.4	µg/Kg 1 4/24/2009 01:16 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105210
Project: 207126015
Lab ID: 105210-001A

Client Sample ID: 1001-115-2-S
Collection Date: 4/23/2009 7:55:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS5_090424A	QC Batch: T09VS107	PrepDate: 4/24/2009	Analyst: HH
cis-1,3-Dichloropropene	ND 1.1	4.4	µg/Kg 1 4/24/2009 01:16 PM
Dibromochloromethane	ND 0.60	4.4	µg/Kg 1 4/24/2009 01:16 PM
Dibromomethane	ND 1.5	4.4	µg/Kg 1 4/24/2009 01:16 PM
Dichlorodifluoromethane	ND 0.53	4.4	µg/Kg 1 4/24/2009 01:16 PM
Ethylbenzene	ND 0.80	4.4	µg/Kg 1 4/24/2009 01:16 PM
Hexachlorobutadiene	ND 3.0	4.4	µg/Kg 1 4/24/2009 01:16 PM
Isopropylbenzene	ND 1.1	4.4	µg/Kg 1 4/24/2009 01:16 PM
m,p-Xylene	ND 1.5	8.8	µg/Kg 1 4/24/2009 01:16 PM
Methylene chloride	ND 4.4	4.4	µg/Kg 1 4/24/2009 01:16 PM
n-Butylbenzene	ND 0.92	4.4	µg/Kg 1 4/24/2009 01:16 PM
n-Propylbenzene	ND 0.80	4.4	µg/Kg 1 4/24/2009 01:16 PM
Naphthalene	ND 1.5	4.4	µg/Kg 1 4/24/2009 01:16 PM
o-Xylene	ND 0.90	4.4	µg/Kg 1 4/24/2009 01:16 PM
sec-Butylbenzene	ND 0.75	4.4	µg/Kg 1 4/24/2009 01:16 PM
Styrene	ND 0.79	4.4	µg/Kg 1 4/24/2009 01:16 PM
tert-Butylbenzene	ND 0.54	4.4	µg/Kg 1 4/24/2009 01:16 PM
Tetrachloroethene	ND 0.93	4.4	µg/Kg 1 4/24/2009 01:16 PM
Toluene	ND 0.73	4.4	µg/Kg 1 4/24/2009 01:16 PM
trans-1,2-Dichloroethene	ND 0.87	4.4	µg/Kg 1 4/24/2009 01:16 PM
Trichloroethene	ND 1.7	4.4	µg/Kg 1 4/24/2009 01:16 PM
Trichlorofluoromethane	ND 1.0	4.4	µg/Kg 1 4/24/2009 01:16 PM
Vinyl chloride	ND 0.52	4.4	µg/Kg 1 4/24/2009 01:16 PM
Surr: 1,2-Dichloroethane-d4	113 0	68-147	%REC 1 4/24/2009 01:16 PM
Surr: 4-Bromofluorobenzene	96.5 0	67-127	%REC 1 4/24/2009 01:16 PM
Surr: Dibromofluoromethane	113 0	72-141	%REC 1 4/24/2009 01:16 PM
Surr: Toluene-d8	115 0	75-120	%REC 1 4/24/2009 01:16 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105210
Project: 207126015
Lab ID: 105210-002A

Client Sample ID: 1001-115-5-S
Collection Date: 4/23/2009 8:00:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS5_090424A	QC Batch: T09VS107	PrepDate: 4/24/2009	Analyst: HH
1,1,1,2-Tetrachloroethane	ND 1.6	4.7	µg/Kg 1 4/24/2009 01:36 PM
1,1,1-Trichloroethane	ND 0.60	4.7	µg/Kg 1 4/24/2009 01:36 PM
1,1,2,2-Tetrachloroethane	ND 1.5	4.7	µg/Kg 1 4/24/2009 01:36 PM
1,1,2-Trichloroethane	ND 1.5	4.7	µg/Kg 1 4/24/2009 01:36 PM
1,1-Dichloroethane	ND 0.47	4.7	µg/Kg 1 4/24/2009 01:36 PM
1,1-Dichloroethene	ND 1.2	4.7	µg/Kg 1 4/24/2009 01:36 PM
1,1-Dichloropropene	ND 1.4	4.7	µg/Kg 1 4/24/2009 01:36 PM
1,2,3-Trichlorobenzene	ND 0.97	4.7	µg/Kg 1 4/24/2009 01:36 PM
1,2,3-Trichloropropane	ND 0.70	4.7	µg/Kg 1 4/24/2009 01:36 PM
1,2,4-Trichlorobenzene	ND 1.3	4.7	µg/Kg 1 4/24/2009 01:36 PM
1,2,4-Trimethylbenzene	ND 0.80	4.7	µg/Kg 1 4/24/2009 01:36 PM
1,2-Dibromo-3-chloropropane	ND 1.8	9.4	µg/Kg 1 4/24/2009 01:36 PM
1,2-Dibromoethane	ND 1.4	4.7	µg/Kg 1 4/24/2009 01:36 PM
1,2-Dichlorobenzene	ND 0.78	4.7	µg/Kg 1 4/24/2009 01:36 PM
1,2-Dichloroethane	ND 1.1	4.7	µg/Kg 1 4/24/2009 01:36 PM
1,2-Dichloropropane	ND 1.5	4.7	µg/Kg 1 4/24/2009 01:36 PM
1,3,5-Trimethylbenzene	ND 0.94	4.7	µg/Kg 1 4/24/2009 01:36 PM
1,3-Dichlorobenzene	ND 0.94	4.7	µg/Kg 1 4/24/2009 01:36 PM
1,3-Dichloropropane	ND 0.99	4.7	µg/Kg 1 4/24/2009 01:36 PM
1,4-Dichlorobenzene	ND 1.1	4.7	µg/Kg 1 4/24/2009 01:36 PM
2,2-Dichloropropane	ND 0.82	4.7	µg/Kg 1 4/24/2009 01:36 PM
2-Chlorotoluene	ND 0.62	4.7	µg/Kg 1 4/24/2009 01:36 PM
4-Chlorotoluene	ND 0.63	4.7	µg/Kg 1 4/24/2009 01:36 PM
4-Isopropyltoluene	ND 0.54	4.7	µg/Kg 1 4/24/2009 01:36 PM
Benzene	ND 0.77	4.7	µg/Kg 1 4/24/2009 01:36 PM
Bromobenzene	ND 1.5	4.7	µg/Kg 1 4/24/2009 01:36 PM
Bromodichloromethane	ND 0.80	4.7	µg/Kg 1 4/24/2009 01:36 PM
Bromoform	ND 1.1	4.7	µg/Kg 1 4/24/2009 01:36 PM
Bromomethane	ND 0.82	4.7	µg/Kg 1 4/24/2009 01:36 PM
Carbon tetrachloride	ND 1.2	4.7	µg/Kg 1 4/24/2009 01:36 PM
Chlorobenzene	ND 0.84	4.7	µg/Kg 1 4/24/2009 01:36 PM
Chloroethane	ND 1.2	4.7	µg/Kg 1 4/24/2009 01:36 PM
Chloroform	ND 0.58	4.7	µg/Kg 1 4/24/2009 01:36 PM
Chloromethane	ND 0.76	4.7	µg/Kg 1 4/24/2009 01:36 PM
cis-1,2-Dichloroethene	ND 1.1	4.7	µg/Kg 1 4/24/2009 01:36 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105210
Project: 207126015
Lab ID: 105210-002A

Client Sample ID: 1001-115-5-S
Collection Date: 4/23/2009 8:00:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS5_090424A	QC Batch: T09VS107	PrepDate: 4/24/2009	Analyst: HH
cis-1,3-Dichloropropene	ND 1.2	4.7	µg/Kg 1 4/24/2009 01:36 PM
Dibromochloromethane	ND 0.64	4.7	µg/Kg 1 4/24/2009 01:36 PM
Dibromomethane	ND 1.6	4.7	µg/Kg 1 4/24/2009 01:36 PM
Dichlorodifluoromethane	ND 0.56	4.7	µg/Kg 1 4/24/2009 01:36 PM
Ethylbenzene	ND 0.85	4.7	µg/Kg 1 4/24/2009 01:36 PM
Hexachlorobutadiene	ND 3.2	4.7	µg/Kg 1 4/24/2009 01:36 PM
Isopropylbenzene	ND 1.1	4.7	µg/Kg 1 4/24/2009 01:36 PM
m,p-Xylene	ND 1.6	9.4	µg/Kg 1 4/24/2009 01:36 PM
Methylene chloride	ND 4.7	4.7	µg/Kg 1 4/24/2009 01:36 PM
n-Butylbenzene	ND 0.98	4.7	µg/Kg 1 4/24/2009 01:36 PM
n-Propylbenzene	ND 0.85	4.7	µg/Kg 1 4/24/2009 01:36 PM
Naphthalene	ND 1.6	4.7	µg/Kg 1 4/24/2009 01:36 PM
o-Xylene	ND 0.96	4.7	µg/Kg 1 4/24/2009 01:36 PM
sec-Butylbenzene	ND 0.80	4.7	µg/Kg 1 4/24/2009 01:36 PM
Styrene	ND 0.84	4.7	µg/Kg 1 4/24/2009 01:36 PM
tert-Butylbenzene	ND 0.57	4.7	µg/Kg 1 4/24/2009 01:36 PM
Tetrachloroethene	ND 0.99	4.7	µg/Kg 1 4/24/2009 01:36 PM
Toluene	ND 0.78	4.7	µg/Kg 1 4/24/2009 01:36 PM
trans-1,2-Dichloroethene	ND 0.93	4.7	µg/Kg 1 4/24/2009 01:36 PM
Trichloroethene	ND 1.8	4.7	µg/Kg 1 4/24/2009 01:36 PM
Trichlorofluoromethane	ND 1.1	4.7	µg/Kg 1 4/24/2009 01:36 PM
Vinyl chloride	ND 0.55	4.7	µg/Kg 1 4/24/2009 01:36 PM
Surr: 1,2-Dichloroethane-d4	108 0	68-147	%REC 1 4/24/2009 01:36 PM
Surr: 4-Bromofluorobenzene	93.8 0	67-127	%REC 1 4/24/2009 01:36 PM
Surr: Dibromofluoromethane	109 0	72-141	%REC 1 4/24/2009 01:36 PM
Surr: Toluene-d8	112 0	75-120	%REC 1 4/24/2009 01:36 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105210
Project: 207126015
Lab ID: 105210-003A

Client Sample ID: 1001-115-10-S
Collection Date: 4/23/2009 8:05:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS5_090424A	QC Batch: T09VS107	PrepDate: 4/24/2009	Analyst: HH
1,1,1,2-Tetrachloroethane	ND 1.3	3.7	µg/Kg 1 4/24/2009 01:55 PM
1,1,1-Trichloroethane	ND 0.47	3.7	µg/Kg 1 4/24/2009 01:55 PM
1,1,2,2-Tetrachloroethane	ND 1.2	3.7	µg/Kg 1 4/24/2009 01:55 PM
1,1,2-Trichloroethane	ND 1.2	3.7	µg/Kg 1 4/24/2009 01:55 PM
1,1-Dichloroethane	ND 0.37	3.7	µg/Kg 1 4/24/2009 01:55 PM
1,1-Dichloroethene	ND 0.93	3.7	µg/Kg 1 4/24/2009 01:55 PM
1,1-Dichloropropene	ND 1.1	3.7	µg/Kg 1 4/24/2009 01:55 PM
1,2,3-Trichlorobenzene	ND 0.76	3.7	µg/Kg 1 4/24/2009 01:55 PM
1,2,3-Trichloropropane	ND 0.55	3.7	µg/Kg 1 4/24/2009 01:55 PM
1,2,4-Trichlorobenzene	ND 0.99	3.7	µg/Kg 1 4/24/2009 01:55 PM
1,2,4-Trimethylbenzene	ND 0.63	3.7	µg/Kg 1 4/24/2009 01:55 PM
1,2-Dibromo-3-chloropropane	ND 1.4	7.4	µg/Kg 1 4/24/2009 01:55 PM
1,2-Dibromoethane	ND 1.1	3.7	µg/Kg 1 4/24/2009 01:55 PM
1,2-Dichlorobenzene	ND 0.61	3.7	µg/Kg 1 4/24/2009 01:55 PM
1,2-Dichloroethane	ND 0.86	3.7	µg/Kg 1 4/24/2009 01:55 PM
1,2-Dichloropropane	ND 1.2	3.7	µg/Kg 1 4/24/2009 01:55 PM
1,3,5-Trimethylbenzene	ND 0.74	3.7	µg/Kg 1 4/24/2009 01:55 PM
1,3-Dichlorobenzene	ND 0.74	3.7	µg/Kg 1 4/24/2009 01:55 PM
1,3-Dichloropropane	ND 0.77	3.7	µg/Kg 1 4/24/2009 01:55 PM
1,4-Dichlorobenzene	ND 0.88	3.7	µg/Kg 1 4/24/2009 01:55 PM
2,2-Dichloropropane	ND 0.64	3.7	µg/Kg 1 4/24/2009 01:55 PM
2-Chlorotoluene	ND 0.48	3.7	µg/Kg 1 4/24/2009 01:55 PM
4-Chlorotoluene	ND 0.50	3.7	µg/Kg 1 4/24/2009 01:55 PM
4-Isopropyltoluene	ND 0.42	3.7	µg/Kg 1 4/24/2009 01:55 PM
Benzene	ND 0.60	3.7	µg/Kg 1 4/24/2009 01:55 PM
Bromobenzene	ND 1.1	3.7	µg/Kg 1 4/24/2009 01:55 PM
Bromodichloromethane	ND 0.63	3.7	µg/Kg 1 4/24/2009 01:55 PM
Bromoform	ND 0.89	3.7	µg/Kg 1 4/24/2009 01:55 PM
Bromomethane	ND 0.64	3.7	µg/Kg 1 4/24/2009 01:55 PM
Carbon tetrachloride	ND 0.98	3.7	µg/Kg 1 4/24/2009 01:55 PM
Chlorobenzene	ND 0.66	3.7	µg/Kg 1 4/24/2009 01:55 PM
Chloroethane	ND 0.97	3.7	µg/Kg 1 4/24/2009 01:55 PM
Chloroform	ND 0.46	3.7	µg/Kg 1 4/24/2009 01:55 PM
Chloromethane	ND 0.60	3.7	µg/Kg 1 4/24/2009 01:55 PM
cis-1,2-Dichloroethene	ND 0.89	3.7	µg/Kg 1 4/24/2009 01:55 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



Advanced Technology
Laboratories

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Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105210
Project: 207126015
Lab ID: 105210-003A

Client Sample ID: 1001-115-10-S
Collection Date: 4/23/2009 8:05:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS5_090424A	QC Batch: T09VS107	PrepDate: 4/24/2009	Analyst: HH
cis-1,3-Dichloropropene	ND 0.94	3.7	µg/Kg 1 4/24/2009 01:55 PM
Dibromochloromethane	ND 0.50	3.7	µg/Kg 1 4/24/2009 01:55 PM
Dibromomethane	ND 1.2	3.7	µg/Kg 1 4/24/2009 01:55 PM
Dichlorodifluoromethane	ND 0.44	3.7	µg/Kg 1 4/24/2009 01:55 PM
Ethylbenzene	ND 0.67	3.7	µg/Kg 1 4/24/2009 01:55 PM
Hexachlorobutadiene	ND 2.5	3.7	µg/Kg 1 4/24/2009 01:55 PM
Isopropylbenzene	ND 0.90	3.7	µg/Kg 1 4/24/2009 01:55 PM
m,p-Xylene	ND 1.2	7.4	µg/Kg 1 4/24/2009 01:55 PM
Methylene chloride	ND 3.7	3.7	µg/Kg 1 4/24/2009 01:55 PM
n-Butylbenzene	ND 0.77	3.7	µg/Kg 1 4/24/2009 01:55 PM
n-Propylbenzene	ND 0.66	3.7	µg/Kg 1 4/24/2009 01:55 PM
Naphthalene	ND 1.2	3.7	µg/Kg 1 4/24/2009 01:55 PM
o-Xylene	ND 0.76	3.7	µg/Kg 1 4/24/2009 01:55 PM
sec-Butylbenzene	ND 0.63	3.7	µg/Kg 1 4/24/2009 01:55 PM
Styrene	ND 0.66	3.7	µg/Kg 1 4/24/2009 01:55 PM
tert-Butylbenzene	ND 0.45	3.7	µg/Kg 1 4/24/2009 01:55 PM
Tetrachloroethene	ND 0.78	3.7	µg/Kg 1 4/24/2009 01:55 PM
Toluene	ND 0.61	3.7	µg/Kg 1 4/24/2009 01:55 PM
trans-1,2-Dichloroethene	ND 0.73	3.7	µg/Kg 1 4/24/2009 01:55 PM
Trichloroethene	ND 1.4	3.7	µg/Kg 1 4/24/2009 01:55 PM
Trichlorofluoromethane	ND 0.85	3.7	µg/Kg 1 4/24/2009 01:55 PM
Vinyl chloride	ND 0.43	3.7	µg/Kg 1 4/24/2009 01:55 PM
Surr: 1,2-Dichloroethane-d4	108 0	68-147	%REC 1 4/24/2009 01:55 PM
Surr: 4-Bromofluorobenzene	99.1 0	67-127	%REC 1 4/24/2009 01:55 PM
Surr: Dibromofluoromethane	108 0	72-141	%REC 1 4/24/2009 01:55 PM
Surr: Toluene-d8	111 0	75-120	%REC 1 4/24/2009 01:55 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105210
Project: 207126015
Lab ID: 105210-004A

Client Sample ID: 1001-115-20-S
Collection Date: 4/23/2009 8:10:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS5_090424A	QC Batch: T09VS107	PrepDate: 4/24/2009	Analyst: HH
1,1,1,2-Tetrachloroethane	ND 1.7	4.9	µg/Kg 1 4/24/2009 02:15 PM
1,1,1-Trichloroethane	ND 0.63	4.9	µg/Kg 1 4/24/2009 02:15 PM
1,1,2,2-Tetrachloroethane	ND 1.5	4.9	µg/Kg 1 4/24/2009 02:15 PM
1,1,2-Trichloroethane	ND 1.6	4.9	µg/Kg 1 4/24/2009 02:15 PM
1,1-Dichloroethane	ND 0.49	4.9	µg/Kg 1 4/24/2009 02:15 PM
1,1-Dichloroethene	ND 1.2	4.9	µg/Kg 1 4/24/2009 02:15 PM
1,1-Dichloropropene	ND 1.5	4.9	µg/Kg 1 4/24/2009 02:15 PM
1,2,3-Trichlorobenzene	ND 1.0	4.9	µg/Kg 1 4/24/2009 02:15 PM
1,2,3-Trichloropropane	ND 0.73	4.9	µg/Kg 1 4/24/2009 02:15 PM
1,2,4-Trichlorobenzene	ND 1.3	4.9	µg/Kg 1 4/24/2009 02:15 PM
1,2,4-Trimethylbenzene	ND 0.84	4.9	µg/Kg 1 4/24/2009 02:15 PM
1,2-Dibromo-3-chloropropane	ND 1.9	9.8	µg/Kg 1 4/24/2009 02:15 PM
1,2-Dibromoethane	ND 1.4	4.9	µg/Kg 1 4/24/2009 02:15 PM
1,2-Dichlorobenzene	ND 0.81	4.9	µg/Kg 1 4/24/2009 02:15 PM
1,2-Dichloroethane	ND 1.1	4.9	µg/Kg 1 4/24/2009 02:15 PM
1,2-Dichloropropane	ND 1.5	4.9	µg/Kg 1 4/24/2009 02:15 PM
1,3,5-Trimethylbenzene	ND 0.98	4.9	µg/Kg 1 4/24/2009 02:15 PM
1,3-Dichlorobenzene	ND 0.98	4.9	µg/Kg 1 4/24/2009 02:15 PM
1,3-Dichloropropane	ND 1.0	4.9	µg/Kg 1 4/24/2009 02:15 PM
1,4-Dichlorobenzene	ND 1.2	4.9	µg/Kg 1 4/24/2009 02:15 PM
2,2-Dichloropropane	ND 0.85	4.9	µg/Kg 1 4/24/2009 02:15 PM
2-Chlorotoluene	ND 0.64	4.9	µg/Kg 1 4/24/2009 02:15 PM
4-Chlorotoluene	ND 0.66	4.9	µg/Kg 1 4/24/2009 02:15 PM
4-Isopropyltoluene	ND 0.56	4.9	µg/Kg 1 4/24/2009 02:15 PM
Benzene	ND 0.80	4.9	µg/Kg 1 4/24/2009 02:15 PM
Bromobenzene	ND 1.5	4.9	µg/Kg 1 4/24/2009 02:15 PM
Bromodichloromethane	ND 0.83	4.9	µg/Kg 1 4/24/2009 02:15 PM
Bromoform	ND 1.2	4.9	µg/Kg 1 4/24/2009 02:15 PM
Bromomethane	ND 0.85	4.9	µg/Kg 1 4/24/2009 02:15 PM
Carbon tetrachloride	ND 1.3	4.9	µg/Kg 1 4/24/2009 02:15 PM
Chlorobenzene	ND 0.88	4.9	µg/Kg 1 4/24/2009 02:15 PM
Chloroethane	ND 1.3	4.9	µg/Kg 1 4/24/2009 02:15 PM
Chloroform	ND 0.61	4.9	µg/Kg 1 4/24/2009 02:15 PM
Chloromethane	ND 0.80	4.9	µg/Kg 1 4/24/2009 02:15 PM
cis-1,2-Dichloroethene	ND 1.2	4.9	µg/Kg 1 4/24/2009 02:15 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105210
Project: 207126015
Lab ID: 105210-004A

Client Sample ID: 1001-115-20-S
Collection Date: 4/23/2009 8:10:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS5_090424A	QC Batch: T09VS107	PrepDate: 4/24/2009	Analyst: HH
cis-1,3-Dichloropropene	ND 1.2	4.9	µg/Kg 1 4/24/2009 02:15 PM
Dibromochloromethane	ND 0.67	4.9	µg/Kg 1 4/24/2009 02:15 PM
Dibromomethane	ND 1.6	4.9	µg/Kg 1 4/24/2009 02:15 PM
Dichlorodifluoromethane	ND 0.59	4.9	µg/Kg 1 4/24/2009 02:15 PM
Ethylbenzene	ND 0.89	4.9	µg/Kg 1 4/24/2009 02:15 PM
Hexachlorobutadiene	ND 3.3	4.9	µg/Kg 1 4/24/2009 02:15 PM
Isopropylbenzene	ND 1.2	4.9	µg/Kg 1 4/24/2009 02:15 PM
m,p-Xylene	ND 1.6	9.8	µg/Kg 1 4/24/2009 02:15 PM
Methylene chloride	ND 4.9	4.9	µg/Kg 1 4/24/2009 02:15 PM
n-Butylbenzene	ND 1.0	4.9	µg/Kg 1 4/24/2009 02:15 PM
n-Propylbenzene	ND 0.88	4.9	µg/Kg 1 4/24/2009 02:15 PM
Naphthalene	ND 1.6	4.9	µg/Kg 1 4/24/2009 02:15 PM
o-Xylene	ND 1.0	4.9	µg/Kg 1 4/24/2009 02:15 PM
sec-Butylbenzene	ND 0.83	4.9	µg/Kg 1 4/24/2009 02:15 PM
Styrene	ND 0.87	4.9	µg/Kg 1 4/24/2009 02:15 PM
tert-Butylbenzene	ND 0.59	4.9	µg/Kg 1 4/24/2009 02:15 PM
Tetrachloroethene	ND 1.0	4.9	µg/Kg 1 4/24/2009 02:15 PM
Toluene	ND 0.81	4.9	µg/Kg 1 4/24/2009 02:15 PM
trans-1,2-Dichloroethene	ND 0.97	4.9	µg/Kg 1 4/24/2009 02:15 PM
Trichloroethene	ND 1.9	4.9	µg/Kg 1 4/24/2009 02:15 PM
Trichlorofluoromethane	ND 1.1	4.9	µg/Kg 1 4/24/2009 02:15 PM
Vinyl chloride	ND 0.58	4.9	µg/Kg 1 4/24/2009 02:15 PM
Surr: 1,2-Dichloroethane-d4	108 0	68-147	%REC 1 4/24/2009 02:15 PM
Surr: 4-Bromofluorobenzene	90.2 0	67-127	%REC 1 4/24/2009 02:15 PM
Surr: Dibromofluoromethane	108 0	72-141	%REC 1 4/24/2009 02:15 PM
Surr: Toluene-d8	105 0	75-120	%REC 1 4/24/2009 02:15 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105210
Project: 207126015
Lab ID: 105210-005A

Client Sample ID: 1001-115-25-S
Collection Date: 4/23/2009 8:15:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS5_090424A	QC Batch: T09VS107	PrepDate: 4/24/2009	Analyst: HH
1,1,1,2-Tetrachloroethane	ND 1.8	5.2	µg/Kg 1 4/24/2009 02:35 PM
1,1,1-Trichloroethane	ND 0.67	5.2	µg/Kg 1 4/24/2009 02:35 PM
1,1,2,2-Tetrachloroethane	ND 1.6	5.2	µg/Kg 1 4/24/2009 02:35 PM
1,1,2-Trichloroethane	ND 1.7	5.2	µg/Kg 1 4/24/2009 02:35 PM
1,1-Dichloroethane	ND 0.52	5.2	µg/Kg 1 4/24/2009 02:35 PM
1,1-Dichloroethene	ND 1.3	5.2	µg/Kg 1 4/24/2009 02:35 PM
1,1-Dichloropropene	ND 1.6	5.2	µg/Kg 1 4/24/2009 02:35 PM
1,2,3-Trichlorobenzene	ND 1.1	5.2	µg/Kg 1 4/24/2009 02:35 PM
1,2,3-Trichloropropane	ND 0.78	5.2	µg/Kg 1 4/24/2009 02:35 PM
1,2,4-Trichlorobenzene	ND 1.4	5.2	µg/Kg 1 4/24/2009 02:35 PM
1,2,4-Trimethylbenzene	ND 0.89	5.2	µg/Kg 1 4/24/2009 02:35 PM
1,2-Dibromo-3-chloropropane	ND 2.0	10	µg/Kg 1 4/24/2009 02:35 PM
1,2-Dibromoethane	ND 1.5	5.2	µg/Kg 1 4/24/2009 02:35 PM
1,2-Dichlorobenzene	ND 0.86	5.2	µg/Kg 1 4/24/2009 02:35 PM
1,2-Dichloroethane	ND 1.2	5.2	µg/Kg 1 4/24/2009 02:35 PM
1,2-Dichloropropane	ND 1.6	5.2	µg/Kg 1 4/24/2009 02:35 PM
1,3,5-Trimethylbenzene	ND 1.0	5.2	µg/Kg 1 4/24/2009 02:35 PM
1,3-Dichlorobenzene	ND 1.0	5.2	µg/Kg 1 4/24/2009 02:35 PM
1,3-Dichloropropane	ND 1.1	5.2	µg/Kg 1 4/24/2009 02:35 PM
1,4-Dichlorobenzene	ND 1.2	5.2	µg/Kg 1 4/24/2009 02:35 PM
2,2-Dichloropropane	ND 0.91	5.2	µg/Kg 1 4/24/2009 02:35 PM
2-Chlorotoluene	ND 0.69	5.2	µg/Kg 1 4/24/2009 02:35 PM
4-Chlorotoluene	ND 0.70	5.2	µg/Kg 1 4/24/2009 02:35 PM
4-Isopropyltoluene	ND 0.59	5.2	µg/Kg 1 4/24/2009 02:35 PM
Benzene	ND 0.85	5.2	µg/Kg 1 4/24/2009 02:35 PM
Bromobenzene	ND 1.6	5.2	µg/Kg 1 4/24/2009 02:35 PM
Bromodichloromethane	ND 0.89	5.2	µg/Kg 1 4/24/2009 02:35 PM
Bromoform	ND 1.3	5.2	µg/Kg 1 4/24/2009 02:35 PM
Bromomethane	ND 0.91	5.2	µg/Kg 1 4/24/2009 02:35 PM
Carbon tetrachloride	ND 1.4	5.2	µg/Kg 1 4/24/2009 02:35 PM
Chlorobenzene	ND 0.93	5.2	µg/Kg 1 4/24/2009 02:35 PM
Chloroethane	ND 1.4	5.2	µg/Kg 1 4/24/2009 02:35 PM
Chloroform	ND 0.64	5.2	µg/Kg 1 4/24/2009 02:35 PM
Chloromethane	ND 0.85	5.2	µg/Kg 1 4/24/2009 02:35 PM
cis-1,2-Dichloroethene	ND 1.3	5.2	µg/Kg 1 4/24/2009 02:35 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105210
Project: 207126015
Lab ID: 105210-005A

Client Sample ID: 1001-115-25-S
Collection Date: 4/23/2009 8:15:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS5_090424A	QC Batch: T09VS107	PrepDate: 4/24/2009	Analyst: HH
cis-1,3-Dichloropropene	ND 1.3	5.2	µg/Kg 1 4/24/2009 02:35 PM
Dibromochloromethane	ND 0.71	5.2	µg/Kg 1 4/24/2009 02:35 PM
Dibromomethane	ND 1.8	5.2	µg/Kg 1 4/24/2009 02:35 PM
Dichlorodifluoromethane	ND 0.62	5.2	µg/Kg 1 4/24/2009 02:35 PM
Ethylbenzene	ND 0.95	5.2	µg/Kg 1 4/24/2009 02:35 PM
Hexachlorobutadiene	ND 3.5	5.2	µg/Kg 1 4/24/2009 02:35 PM
Isopropylbenzene	ND 1.3	5.2	µg/Kg 1 4/24/2009 02:35 PM
m,p-Xylene	ND 1.8	10	µg/Kg 1 4/24/2009 02:35 PM
Methylene chloride	ND 5.2	5.2	µg/Kg 1 4/24/2009 02:35 PM
n-Butylbenzene	ND 1.1	5.2	µg/Kg 1 4/24/2009 02:35 PM
n-Propylbenzene	ND 0.94	5.2	µg/Kg 1 4/24/2009 02:35 PM
Naphthalene	ND 1.7	5.2	µg/Kg 1 4/24/2009 02:35 PM
o-Xylene	ND 1.1	5.2	µg/Kg 1 4/24/2009 02:35 PM
sec-Butylbenzene	ND 0.89	5.2	µg/Kg 1 4/24/2009 02:35 PM
Styrene	ND 0.93	5.2	µg/Kg 1 4/24/2009 02:35 PM
tert-Butylbenzene	ND 0.63	5.2	µg/Kg 1 4/24/2009 02:35 PM
Tetrachloroethene	ND 1.1	5.2	µg/Kg 1 4/24/2009 02:35 PM
Toluene	ND 0.86	5.2	µg/Kg 1 4/24/2009 02:35 PM
trans-1,2-Dichloroethene	ND 1.0	5.2	µg/Kg 1 4/24/2009 02:35 PM
Trichloroethene	ND 2.0	5.2	µg/Kg 1 4/24/2009 02:35 PM
Trichlorofluoromethane	ND 1.2	5.2	µg/Kg 1 4/24/2009 02:35 PM
Vinyl chloride	ND 0.61	5.2	µg/Kg 1 4/24/2009 02:35 PM
Surr: 1,2-Dichloroethane-d4	112 0	68-147	%REC 1 4/24/2009 02:35 PM
Surr: 4-Bromofluorobenzene	93.2 0	67-127	%REC 1 4/24/2009 02:35 PM
Surr: Dibromofluoromethane	111 0	72-141	%REC 1 4/24/2009 02:35 PM
Surr: Toluene-d8	112 0	75-120	%REC 1 4/24/2009 02:35 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105210
Project: 207126015
Lab ID: 105210-006A

Client Sample ID: 1001-115-30-S
Collection Date: 4/23/2009 8:20:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS5_090424A	QC Batch: T09VS107	PrepDate: 4/24/2009	Analyst: HH
1,1,1,2-Tetrachloroethane	ND 2.2	6.5	µg/Kg 1 4/24/2009 02:54 PM
1,1,1-Trichloroethane	ND 0.84	6.5	µg/Kg 1 4/24/2009 02:54 PM
1,1,2,2-Tetrachloroethane	ND 2.0	6.5	µg/Kg 1 4/24/2009 02:54 PM
1,1,2-Trichloroethane	ND 2.1	6.5	µg/Kg 1 4/24/2009 02:54 PM
1,1-Dichloroethane	ND 0.66	6.5	µg/Kg 1 4/24/2009 02:54 PM
1,1-Dichloroethene	ND 1.6	6.5	µg/Kg 1 4/24/2009 02:54 PM
1,1-Dichloropropene	ND 2.0	6.5	µg/Kg 1 4/24/2009 02:54 PM
1,2,3-Trichlorobenzene	ND 1.3	6.5	µg/Kg 1 4/24/2009 02:54 PM
1,2,3-Trichloropropane	ND 0.97	6.5	µg/Kg 1 4/24/2009 02:54 PM
1,2,4-Trichlorobenzene	ND 1.7	6.5	µg/Kg 1 4/24/2009 02:54 PM
1,2,4-Trimethylbenzene	ND 1.1	6.5	µg/Kg 1 4/24/2009 02:54 PM
1,2-Dibromo-3-chloropropane	ND 2.5	13	µg/Kg 1 4/24/2009 02:54 PM
1,2-Dibromoethane	ND 1.9	6.5	µg/Kg 1 4/24/2009 02:54 PM
1,2-Dichlorobenzene	ND 1.1	6.5	µg/Kg 1 4/24/2009 02:54 PM
1,2-Dichloroethane	ND 1.5	6.5	µg/Kg 1 4/24/2009 02:54 PM
1,2-Dichloropropane	ND 2.0	6.5	µg/Kg 1 4/24/2009 02:54 PM
1,3,5-Trimethylbenzene	ND 1.3	6.5	µg/Kg 1 4/24/2009 02:54 PM
1,3-Dichlorobenzene	ND 1.3	6.5	µg/Kg 1 4/24/2009 02:54 PM
1,3-Dichloropropane	ND 1.4	6.5	µg/Kg 1 4/24/2009 02:54 PM
1,4-Dichlorobenzene	ND 1.6	6.5	µg/Kg 1 4/24/2009 02:54 PM
2,2-Dichloropropane	ND 1.1	6.5	µg/Kg 1 4/24/2009 02:54 PM
2-Chlorotoluene	ND 0.86	6.5	µg/Kg 1 4/24/2009 02:54 PM
4-Chlorotoluene	ND 0.88	6.5	µg/Kg 1 4/24/2009 02:54 PM
4-Isopropyltoluene	ND 0.74	6.5	µg/Kg 1 4/24/2009 02:54 PM
Benzene	ND 1.1	6.5	µg/Kg 1 4/24/2009 02:54 PM
Bromobenzene	ND 2.0	6.5	µg/Kg 1 4/24/2009 02:54 PM
Bromodichloromethane	ND 1.1	6.5	µg/Kg 1 4/24/2009 02:54 PM
Bromoform	ND 1.6	6.5	µg/Kg 1 4/24/2009 02:54 PM
Bromomethane	ND 1.1	6.5	µg/Kg 1 4/24/2009 02:54 PM
Carbon tetrachloride	ND 1.7	6.5	µg/Kg 1 4/24/2009 02:54 PM
Chlorobenzene	ND 1.2	6.5	µg/Kg 1 4/24/2009 02:54 PM
Chloroethane	ND 1.7	6.5	µg/Kg 1 4/24/2009 02:54 PM
Chloroform	ND 0.81	6.5	µg/Kg 1 4/24/2009 02:54 PM
Chloromethane	ND 1.1	6.5	µg/Kg 1 4/24/2009 02:54 PM
cis-1,2-Dichloroethene	ND 1.6	6.5	µg/Kg 1 4/24/2009 02:54 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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Laboratories

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Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105210
Project: 207126015
Lab ID: 105210-006A

Client Sample ID: 1001-115-30-S
Collection Date: 4/23/2009 8:20:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS5_090424A	QC Batch: T09VS107	PrepDate: 4/24/2009	Analyst: HH
cis-1,3-Dichloropropene	ND 1.7	6.5	µg/Kg 1 4/24/2009 02:54 PM
Dibromochloromethane	ND 0.88	6.5	µg/Kg 1 4/24/2009 02:54 PM
Dibromomethane	ND 2.2	6.5	µg/Kg 1 4/24/2009 02:54 PM
Dichlorodifluoromethane	ND 0.78	6.5	µg/Kg 1 4/24/2009 02:54 PM
Ethylbenzene	ND 1.2	6.5	µg/Kg 1 4/24/2009 02:54 PM
Hexachlorobutadiene	ND 4.4	6.5	µg/Kg 1 4/24/2009 02:54 PM
Isopropylbenzene	ND 1.6	6.5	µg/Kg 1 4/24/2009 02:54 PM
m,p-Xylene	ND 2.2	13	µg/Kg 1 4/24/2009 02:54 PM
Methylene chloride	ND 6.5	6.5	µg/Kg 1 4/24/2009 02:54 PM
n-Butylbenzene	ND 1.4	6.5	µg/Kg 1 4/24/2009 02:54 PM
n-Propylbenzene	ND 1.2	6.5	µg/Kg 1 4/24/2009 02:54 PM
Naphthalene	ND 2.2	6.5	µg/Kg 1 4/24/2009 02:54 PM
o-Xylene	ND 1.3	6.5	µg/Kg 1 4/24/2009 02:54 PM
sec-Butylbenzene	ND 1.1	6.5	µg/Kg 1 4/24/2009 02:54 PM
Styrene	ND 1.2	6.5	µg/Kg 1 4/24/2009 02:54 PM
tert-Butylbenzene	ND 0.79	6.5	µg/Kg 1 4/24/2009 02:54 PM
Tetrachloroethene	ND 1.4	6.5	µg/Kg 1 4/24/2009 02:54 PM
Toluene	ND 1.1	6.5	µg/Kg 1 4/24/2009 02:54 PM
trans-1,2-Dichloroethene	ND 1.3	6.5	µg/Kg 1 4/24/2009 02:54 PM
Trichloroethene	ND 2.6	6.5	µg/Kg 1 4/24/2009 02:54 PM
Trichlorofluoromethane	ND 1.5	6.5	µg/Kg 1 4/24/2009 02:54 PM
Vinyl chloride	ND 0.76	6.5	µg/Kg 1 4/24/2009 02:54 PM
Surr: 1,2-Dichloroethane-d4	113 0	68-147	%REC 1 4/24/2009 02:54 PM
Surr: 4-Bromofluorobenzene	100 0	67-127	%REC 1 4/24/2009 02:54 PM
Surr: Dibromofluoromethane	114 0	72-141	%REC 1 4/24/2009 02:54 PM
Surr: Toluene-d8	116 0	75-120	%REC 1 4/24/2009 02:54 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105210
Project: 207126015
Lab ID: 105210-007A

Client Sample ID: 1001-115-35-S
Collection Date: 4/23/2009 8:25:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS5_090424A	QC Batch: T09VS107	PrepDate: 4/24/2009	Analyst: HH
1,1,1,2-Tetrachloroethane	ND 1.7	4.8	µg/Kg 1 4/24/2009 03:14 PM
1,1,1-Trichloroethane	ND 0.62	4.8	µg/Kg 1 4/24/2009 03:14 PM
1,1,2,2-Tetrachloroethane	ND 1.5	4.8	µg/Kg 1 4/24/2009 03:14 PM
1,1,2-Trichloroethane	ND 1.6	4.8	µg/Kg 1 4/24/2009 03:14 PM
1,1-Dichloroethane	ND 0.48	4.8	µg/Kg 1 4/24/2009 03:14 PM
1,1-Dichloroethene	ND 1.2	4.8	µg/Kg 1 4/24/2009 03:14 PM
1,1-Dichloropropene	ND 1.5	4.8	µg/Kg 1 4/24/2009 03:14 PM
1,2,3-Trichlorobenzene	ND 0.99	4.8	µg/Kg 1 4/24/2009 03:14 PM
1,2,3-Trichloropropane	ND 0.72	4.8	µg/Kg 1 4/24/2009 03:14 PM
1,2,4-Trichlorobenzene	ND 1.3	4.8	µg/Kg 1 4/24/2009 03:14 PM
1,2,4-Trimethylbenzene	ND 0.82	4.8	µg/Kg 1 4/24/2009 03:14 PM
1,2-Dibromo-3-chloropropane	ND 1.8	9.6	µg/Kg 1 4/24/2009 03:14 PM
1,2-Dibromoethane	ND 1.4	4.8	µg/Kg 1 4/24/2009 03:14 PM
1,2-Dichlorobenzene	ND 0.80	4.8	µg/Kg 1 4/24/2009 03:14 PM
1,2-Dichloroethane	ND 1.1	4.8	µg/Kg 1 4/24/2009 03:14 PM
1,2-Dichloropropane	ND 1.5	4.8	µg/Kg 1 4/24/2009 03:14 PM
1,3,5-Trimethylbenzene	ND 0.96	4.8	µg/Kg 1 4/24/2009 03:14 PM
1,3-Dichlorobenzene	ND 0.96	4.8	µg/Kg 1 4/24/2009 03:14 PM
1,3-Dichloropropane	ND 1.0	4.8	µg/Kg 1 4/24/2009 03:14 PM
1,4-Dichlorobenzene	ND 1.1	4.8	µg/Kg 1 4/24/2009 03:14 PM
2,2-Dichloropropane	ND 0.83	4.8	µg/Kg 1 4/24/2009 03:14 PM
2-Chlorotoluene	ND 0.63	4.8	µg/Kg 1 4/24/2009 03:14 PM
4-Chlorotoluene	ND 0.65	4.8	µg/Kg 1 4/24/2009 03:14 PM
4-Isopropyltoluene	ND 0.55	4.8	µg/Kg 1 4/24/2009 03:14 PM
Benzene	ND 0.79	4.8	µg/Kg 1 4/24/2009 03:14 PM
Bromobenzene	ND 1.5	4.8	µg/Kg 1 4/24/2009 03:14 PM
Bromodichloromethane	ND 0.82	4.8	µg/Kg 1 4/24/2009 03:14 PM
Bromoform	ND 1.2	4.8	µg/Kg 1 4/24/2009 03:14 PM
Bromomethane	ND 0.84	4.8	µg/Kg 1 4/24/2009 03:14 PM
Carbon tetrachloride	ND 1.3	4.8	µg/Kg 1 4/24/2009 03:14 PM
Chlorobenzene	ND 0.86	4.8	µg/Kg 1 4/24/2009 03:14 PM
Chloroethane	ND 1.3	4.8	µg/Kg 1 4/24/2009 03:14 PM
Chloroform	ND 0.59	4.8	µg/Kg 1 4/24/2009 03:14 PM
Chloromethane	ND 0.78	4.8	µg/Kg 1 4/24/2009 03:14 PM
cis-1,2-Dichloroethene	ND 1.2	4.8	µg/Kg 1 4/24/2009 03:14 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105210
Project: 207126015
Lab ID: 105210-007A

Client Sample ID: 1001-115-35-S
Collection Date: 4/23/2009 8:25:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS5_090424A	QC Batch: T09VS107	PrepDate: 4/24/2009	Analyst: HH
cis-1,3-Dichloropropene	ND 1.2	4.8	µg/Kg 1 4/24/2009 03:14 PM
Dibromochloromethane	ND 0.65	4.8	µg/Kg 1 4/24/2009 03:14 PM
Dibromomethane	ND 1.6	4.8	µg/Kg 1 4/24/2009 03:14 PM
Dichlorodifluoromethane	ND 0.57	4.8	µg/Kg 1 4/24/2009 03:14 PM
Ethylbenzene	ND 0.87	4.8	µg/Kg 1 4/24/2009 03:14 PM
Hexachlorobutadiene	ND 3.2	4.8	µg/Kg 1 4/24/2009 03:14 PM
Isopropylbenzene	ND 1.2	4.8	µg/Kg 1 4/24/2009 03:14 PM
m,p-Xylene	ND 1.6	9.6	µg/Kg 1 4/24/2009 03:14 PM
Methylene chloride	ND 4.8	4.8	µg/Kg 1 4/24/2009 03:14 PM
n-Butylbenzene	ND 1.0	4.8	µg/Kg 1 4/24/2009 03:14 PM
n-Propylbenzene	ND 0.86	4.8	µg/Kg 1 4/24/2009 03:14 PM
Naphthalene	ND 1.6	4.8	µg/Kg 1 4/24/2009 03:14 PM
o-Xylene	ND 0.98	4.8	µg/Kg 1 4/24/2009 03:14 PM
sec-Butylbenzene	ND 0.82	4.8	µg/Kg 1 4/24/2009 03:14 PM
Styrene	ND 0.86	4.8	µg/Kg 1 4/24/2009 03:14 PM
tert-Butylbenzene	ND 0.58	4.8	µg/Kg 1 4/24/2009 03:14 PM
Tetrachloroethene	ND 1.0	4.8	µg/Kg 1 4/24/2009 03:14 PM
Toluene	ND 0.79	4.8	µg/Kg 1 4/24/2009 03:14 PM
trans-1,2-Dichloroethene	ND 0.95	4.8	µg/Kg 1 4/24/2009 03:14 PM
Trichloroethene	ND 1.9	4.8	µg/Kg 1 4/24/2009 03:14 PM
Trichlorofluoromethane	ND 1.1	4.8	µg/Kg 1 4/24/2009 03:14 PM
Vinyl chloride	ND 0.56	4.8	µg/Kg 1 4/24/2009 03:14 PM
Surr: 1,2-Dichloroethane-d4	105 0	68-147	%REC 1 4/24/2009 03:14 PM
Surr: 4-Bromofluorobenzene	92.0 0	67-127	%REC 1 4/24/2009 03:14 PM
Surr: Dibromofluoromethane	102 0	72-141	%REC 1 4/24/2009 03:14 PM
Surr: Toluene-d8	106 0	75-120	%REC 1 4/24/2009 03:14 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105210
Project: 207126015
Lab ID: 105210-008A

Client Sample ID: 1001-115-40-S
Collection Date: 4/23/2009 8:30:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS5_090424A	QC Batch: T09VS107	PrepDate: 4/24/2009	Analyst: HH
1,1,1,2-Tetrachloroethane	ND 1.6	4.5	µg/Kg 1 4/24/2009 03:33 PM
1,1,1-Trichloroethane	ND 0.58	4.5	µg/Kg 1 4/24/2009 03:33 PM
1,1,2,2-Tetrachloroethane	ND 1.4	4.5	µg/Kg 1 4/24/2009 03:33 PM
1,1,2-Trichloroethane	ND 1.5	4.5	µg/Kg 1 4/24/2009 03:33 PM
1,1-Dichloroethane	ND 0.45	4.5	µg/Kg 1 4/24/2009 03:33 PM
1,1-Dichloroethene	ND 1.1	4.5	µg/Kg 1 4/24/2009 03:33 PM
1,1-Dichloropropene	ND 1.4	4.5	µg/Kg 1 4/24/2009 03:33 PM
1,2,3-Trichlorobenzene	ND 0.93	4.5	µg/Kg 1 4/24/2009 03:33 PM
1,2,3-Trichloropropane	ND 0.67	4.5	µg/Kg 1 4/24/2009 03:33 PM
1,2,4-Trichlorobenzene	ND 1.2	4.5	µg/Kg 1 4/24/2009 03:33 PM
1,2,4-Trimethylbenzene	ND 0.77	4.5	µg/Kg 1 4/24/2009 03:33 PM
1,2-Dibromo-3-chloropropane	ND 1.7	9.0	µg/Kg 1 4/24/2009 03:33 PM
1,2-Dibromoethane	ND 1.3	4.5	µg/Kg 1 4/24/2009 03:33 PM
1,2-Dichlorobenzene	ND 0.75	4.5	µg/Kg 1 4/24/2009 03:33 PM
1,2-Dichloroethane	ND 1.1	4.5	µg/Kg 1 4/24/2009 03:33 PM
1,2-Dichloropropane	ND 1.4	4.5	µg/Kg 1 4/24/2009 03:33 PM
1,3,5-Trimethylbenzene	ND 0.90	4.5	µg/Kg 1 4/24/2009 03:33 PM
1,3-Dichlorobenzene	ND 0.91	4.5	µg/Kg 1 4/24/2009 03:33 PM
1,3-Dichloropropane	ND 0.95	4.5	µg/Kg 1 4/24/2009 03:33 PM
1,4-Dichlorobenzene	ND 1.1	4.5	µg/Kg 1 4/24/2009 03:33 PM
2,2-Dichloropropane	ND 0.78	4.5	µg/Kg 1 4/24/2009 03:33 PM
2-Chlorotoluene	ND 0.59	4.5	µg/Kg 1 4/24/2009 03:33 PM
4-Chlorotoluene	ND 0.61	4.5	µg/Kg 1 4/24/2009 03:33 PM
4-Isopropyltoluene	ND 0.51	4.5	µg/Kg 1 4/24/2009 03:33 PM
Benzene	ND 0.74	4.5	µg/Kg 1 4/24/2009 03:33 PM
Bromobenzene	ND 1.4	4.5	µg/Kg 1 4/24/2009 03:33 PM
Bromodichloromethane	ND 0.77	4.5	µg/Kg 1 4/24/2009 03:33 PM
Bromoform	ND 1.1	4.5	µg/Kg 1 4/24/2009 03:33 PM
Bromomethane	ND 0.79	4.5	µg/Kg 1 4/24/2009 03:33 PM
Carbon tetrachloride	ND 1.2	4.5	µg/Kg 1 4/24/2009 03:33 PM
Chlorobenzene	ND 0.81	4.5	µg/Kg 1 4/24/2009 03:33 PM
Chloroethane	ND 1.2	4.5	µg/Kg 1 4/24/2009 03:33 PM
Chloroform	ND 0.56	4.5	µg/Kg 1 4/24/2009 03:33 PM
Chloromethane	ND 0.73	4.5	µg/Kg 1 4/24/2009 03:33 PM
cis-1,2-Dichloroethene	ND 1.1	4.5	µg/Kg 1 4/24/2009 03:33 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105210
Project: 207126015
Lab ID: 105210-008A

Client Sample ID: 1001-115-40-S
Collection Date: 4/23/2009 8:30:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS5_090424A	QC Batch: T09VS107	PrepDate: 4/24/2009	Analyst: HH
cis-1,3-Dichloropropene	ND 1.1	4.5	µg/Kg 1 4/24/2009 03:33 PM
Dibromochloromethane	ND 0.61	4.5	µg/Kg 1 4/24/2009 03:33 PM
Dibromomethane	ND 1.5	4.5	µg/Kg 1 4/24/2009 03:33 PM
Dichlorodifluoromethane	ND 0.54	4.5	µg/Kg 1 4/24/2009 03:33 PM
Ethylbenzene	ND 0.82	4.5	µg/Kg 1 4/24/2009 03:33 PM
Hexachlorobutadiene	ND 3.0	4.5	µg/Kg 1 4/24/2009 03:33 PM
Isopropylbenzene	ND 1.1	4.5	µg/Kg 1 4/24/2009 03:33 PM
m,p-Xylene	ND 1.5	9.0	µg/Kg 1 4/24/2009 03:33 PM
Methylene chloride	ND 4.5	4.5	µg/Kg 1 4/24/2009 03:33 PM
n-Butylbenzene	ND 0.94	4.5	µg/Kg 1 4/24/2009 03:33 PM
n-Propylbenzene	ND 0.81	4.5	µg/Kg 1 4/24/2009 03:33 PM
Naphthalene	ND 1.5	4.5	µg/Kg 1 4/24/2009 03:33 PM
o-Xylene	ND 0.92	4.5	µg/Kg 1 4/24/2009 03:33 PM
sec-Butylbenzene	ND 0.77	4.5	µg/Kg 1 4/24/2009 03:33 PM
Styrene	ND 0.80	4.5	µg/Kg 1 4/24/2009 03:33 PM
tert-Butylbenzene	ND 0.55	4.5	µg/Kg 1 4/24/2009 03:33 PM
Tetrachloroethene	ND 0.95	4.5	µg/Kg 1 4/24/2009 03:33 PM
Toluene	ND 0.75	4.5	µg/Kg 1 4/24/2009 03:33 PM
trans-1,2-Dichloroethene	ND 0.89	4.5	µg/Kg 1 4/24/2009 03:33 PM
Trichloroethene	ND 1.8	4.5	µg/Kg 1 4/24/2009 03:33 PM
Trichlorofluoromethane	ND 1.0	4.5	µg/Kg 1 4/24/2009 03:33 PM
Vinyl chloride	ND 0.53	4.5	µg/Kg 1 4/24/2009 03:33 PM
Surr: 1,2-Dichloroethane-d4	117 0	68-147	%REC 1 4/24/2009 03:33 PM
Surr: 4-Bromofluorobenzene	98.2 0	67-127	%REC 1 4/24/2009 03:33 PM
Surr: Dibromofluoromethane	118 0	72-141	%REC 1 4/24/2009 03:33 PM
Surr: Toluene-d8	116 0	75-120	%REC 1 4/24/2009 03:33 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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Laboratories

3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105210
Project: 207126015
Lab ID: 105210-009A

Client Sample ID: 1001-115-40D-S
Collection Date: 4/23/2009 8:30:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS5_090424A	QC Batch: T09VS107	PrepDate: 4/24/2009	Analyst: HH
1,1,1,2-Tetrachloroethane	ND 1.6	4.6	µg/Kg 1 4/24/2009 03:53 PM
1,1,1-Trichloroethane	ND 0.60	4.6	µg/Kg 1 4/24/2009 03:53 PM
1,1,2,2-Tetrachloroethane	ND 1.4	4.6	µg/Kg 1 4/24/2009 03:53 PM
1,1,2-Trichloroethane	ND 1.5	4.6	µg/Kg 1 4/24/2009 03:53 PM
1,1-Dichloroethane	ND 0.47	4.6	µg/Kg 1 4/24/2009 03:53 PM
1,1-Dichloroethene	ND 1.2	4.6	µg/Kg 1 4/24/2009 03:53 PM
1,1-Dichloropropene	ND 1.4	4.6	µg/Kg 1 4/24/2009 03:53 PM
1,2,3-Trichlorobenzene	ND 0.96	4.6	µg/Kg 1 4/24/2009 03:53 PM
1,2,3-Trichloropropane	ND 0.69	4.6	µg/Kg 1 4/24/2009 03:53 PM
1,2,4-Trichlorobenzene	ND 1.2	4.6	µg/Kg 1 4/24/2009 03:53 PM
1,2,4-Trimethylbenzene	ND 0.79	4.6	µg/Kg 1 4/24/2009 03:53 PM
1,2-Dibromo-3-chloropropane	ND 1.8	9.2	µg/Kg 1 4/24/2009 03:53 PM
1,2-Dibromoethane	ND 1.4	4.6	µg/Kg 1 4/24/2009 03:53 PM
1,2-Dichlorobenzene	ND 0.77	4.6	µg/Kg 1 4/24/2009 03:53 PM
1,2-Dichloroethane	ND 1.1	4.6	µg/Kg 1 4/24/2009 03:53 PM
1,2-Dichloropropane	ND 1.4	4.6	µg/Kg 1 4/24/2009 03:53 PM
1,3,5-Trimethylbenzene	ND 0.92	4.6	µg/Kg 1 4/24/2009 03:53 PM
1,3-Dichlorobenzene	ND 0.93	4.6	µg/Kg 1 4/24/2009 03:53 PM
1,3-Dichloropropane	ND 0.97	4.6	µg/Kg 1 4/24/2009 03:53 PM
1,4-Dichlorobenzene	ND 1.1	4.6	µg/Kg 1 4/24/2009 03:53 PM
2,2-Dichloropropane	ND 0.80	4.6	µg/Kg 1 4/24/2009 03:53 PM
2-Chlorotoluene	ND 0.61	4.6	µg/Kg 1 4/24/2009 03:53 PM
4-Chlorotoluene	ND 0.62	4.6	µg/Kg 1 4/24/2009 03:53 PM
4-Isopropyltoluene	ND 0.53	4.6	µg/Kg 1 4/24/2009 03:53 PM
Benzene	ND 0.76	4.6	µg/Kg 1 4/24/2009 03:53 PM
Bromobenzene	ND 1.4	4.6	µg/Kg 1 4/24/2009 03:53 PM
Bromodichloromethane	ND 0.79	4.6	µg/Kg 1 4/24/2009 03:53 PM
Bromoform	ND 1.1	4.6	µg/Kg 1 4/24/2009 03:53 PM
Bromomethane	ND 0.81	4.6	µg/Kg 1 4/24/2009 03:53 PM
Carbon tetrachloride	ND 1.2	4.6	µg/Kg 1 4/24/2009 03:53 PM
Chlorobenzene	ND 0.83	4.6	µg/Kg 1 4/24/2009 03:53 PM
Chloroethane	ND 1.2	4.6	µg/Kg 1 4/24/2009 03:53 PM
Chloroform	ND 0.57	4.6	µg/Kg 1 4/24/2009 03:53 PM
Chloromethane	ND 0.75	4.6	µg/Kg 1 4/24/2009 03:53 PM
cis-1,2-Dichloroethene	ND 1.1	4.6	µg/Kg 1 4/24/2009 03:53 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105210
Project: 207126015
Lab ID: 105210-009A

Client Sample ID: 1001-115-40D-S
Collection Date: 4/23/2009 8:30:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS5_090424A	QC Batch: T09VS107	PrepDate: 4/24/2009	Analyst: HH			
cis-1,3-Dichloropropene	ND	1.2	4.6	µg/Kg	1	4/24/2009 03:53 PM
Dibromochloromethane	ND	0.63	4.6	µg/Kg	1	4/24/2009 03:53 PM
Dibromomethane	ND	1.6	4.6	µg/Kg	1	4/24/2009 03:53 PM
Dichlorodifluoromethane	ND	0.55	4.6	µg/Kg	1	4/24/2009 03:53 PM
Ethylbenzene	ND	0.84	4.6	µg/Kg	1	4/24/2009 03:53 PM
Hexachlorobutadiene	ND	3.1	4.6	µg/Kg	1	4/24/2009 03:53 PM
Isopropylbenzene	ND	1.1	4.6	µg/Kg	1	4/24/2009 03:53 PM
m,p-Xylene	ND	1.6	9.2	µg/Kg	1	4/24/2009 03:53 PM
Methylene chloride	ND	4.6	4.6	µg/Kg	1	4/24/2009 03:53 PM
n-Butylbenzene	ND	0.96	4.6	µg/Kg	1	4/24/2009 03:53 PM
n-Propylbenzene	ND	0.83	4.6	µg/Kg	1	4/24/2009 03:53 PM
Naphthalene	ND	1.5	4.6	µg/Kg	1	4/24/2009 03:53 PM
o-Xylene	ND	0.95	4.6	µg/Kg	1	4/24/2009 03:53 PM
sec-Butylbenzene	ND	0.79	4.6	µg/Kg	1	4/24/2009 03:53 PM
Styrene	ND	0.83	4.6	µg/Kg	1	4/24/2009 03:53 PM
tert-Butylbenzene	ND	0.56	4.6	µg/Kg	1	4/24/2009 03:53 PM
Tetrachloroethene	ND	0.97	4.6	µg/Kg	1	4/24/2009 03:53 PM
Toluene	ND	0.77	4.6	µg/Kg	1	4/24/2009 03:53 PM
trans-1,2-Dichloroethene	ND	0.92	4.6	µg/Kg	1	4/24/2009 03:53 PM
Trichloroethene	ND	1.8	4.6	µg/Kg	1	4/24/2009 03:53 PM
Trichlorofluoromethane	ND	1.1	4.6	µg/Kg	1	4/24/2009 03:53 PM
Vinyl chloride	ND	0.54	4.6	µg/Kg	1	4/24/2009 03:53 PM
Surr: 1,2-Dichloroethane-d4	113	0	68-147	%REC	1	4/24/2009 03:53 PM
Surr: 4-Bromofluorobenzene	98.3	0	67-127	%REC	1	4/24/2009 03:53 PM
Surr: Dibromofluoromethane	110	0	72-141	%REC	1	4/24/2009 03:53 PM
Surr: Toluene-d8	115	0	75-120	%REC	1	4/24/2009 03:53 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105210
Project: 207126015
Lab ID: 105210-010A

Client Sample ID: 1001-114-25-S
Collection Date: 4/23/2009 9:15:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS5_090424A	QC Batch: T09VS107	PrepDate: 4/24/2009	Analyst: HH
1,1,1,2-Tetrachloroethane	ND 1.9	5.6	µg/Kg 1 4/24/2009 04:12 PM
1,1,1-Trichloroethane	ND 0.72	5.6	µg/Kg 1 4/24/2009 04:12 PM
1,1,2,2-Tetrachloroethane	ND 1.7	5.6	µg/Kg 1 4/24/2009 04:12 PM
1,1,2-Trichloroethane	ND 1.8	5.6	µg/Kg 1 4/24/2009 04:12 PM
1,1-Dichloroethane	ND 0.56	5.6	µg/Kg 1 4/24/2009 04:12 PM
1,1-Dichloroethene	ND 1.4	5.6	µg/Kg 1 4/24/2009 04:12 PM
1,1-Dichloropropene	ND 1.7	5.6	µg/Kg 1 4/24/2009 04:12 PM
1,2,3-Trichlorobenzene	ND 1.2	5.6	µg/Kg 1 4/24/2009 04:12 PM
1,2,3-Trichloropropane	ND 0.83	5.6	µg/Kg 1 4/24/2009 04:12 PM
1,2,4-Trichlorobenzene	ND 1.5	5.6	µg/Kg 1 4/24/2009 04:12 PM
1,2,4-Trimethylbenzene	ND 0.95	5.6	µg/Kg 1 4/24/2009 04:12 PM
1,2-Dibromo-3-chloropropane	ND 2.1	11	µg/Kg 1 4/24/2009 04:12 PM
1,2-Dibromoethane	ND 1.6	5.6	µg/Kg 1 4/24/2009 04:12 PM
1,2-Dichlorobenzene	ND 0.92	5.6	µg/Kg 1 4/24/2009 04:12 PM
1,2-Dichloroethane	ND 1.3	5.6	µg/Kg 1 4/24/2009 04:12 PM
1,2-Dichloropropane	ND 1.7	5.6	µg/Kg 1 4/24/2009 04:12 PM
1,3,5-Trimethylbenzene	ND 1.1	5.6	µg/Kg 1 4/24/2009 04:12 PM
1,3-Dichlorobenzene	ND 1.1	5.6	µg/Kg 1 4/24/2009 04:12 PM
1,3-Dichloropropane	ND 1.2	5.6	µg/Kg 1 4/24/2009 04:12 PM
1,4-Dichlorobenzene	ND 1.3	5.6	µg/Kg 1 4/24/2009 04:12 PM
2,2-Dichloropropane	ND 0.97	5.6	µg/Kg 1 4/24/2009 04:12 PM
2-Chlorotoluene	ND 0.73	5.6	µg/Kg 1 4/24/2009 04:12 PM
4-Chlorotoluene	ND 0.75	5.6	µg/Kg 1 4/24/2009 04:12 PM
4-Isopropyltoluene	ND 0.64	5.6	µg/Kg 1 4/24/2009 04:12 PM
Benzene	ND 0.91	5.6	µg/Kg 1 4/24/2009 04:12 PM
Bromobenzene	ND 1.7	5.6	µg/Kg 1 4/24/2009 04:12 PM
Bromodichloromethane	ND 0.95	5.6	µg/Kg 1 4/24/2009 04:12 PM
Bromoform	ND 1.3	5.6	µg/Kg 1 4/24/2009 04:12 PM
Bromomethane	ND 0.97	5.6	µg/Kg 1 4/24/2009 04:12 PM
Carbon tetrachloride	ND 1.5	5.6	µg/Kg 1 4/24/2009 04:12 PM
Chlorobenzene	ND 1.0	5.6	µg/Kg 1 4/24/2009 04:12 PM
Chloroethane	ND 1.5	5.6	µg/Kg 1 4/24/2009 04:12 PM
Chloroform	ND 0.69	5.6	µg/Kg 1 4/24/2009 04:12 PM
Chloromethane	ND 0.91	5.6	µg/Kg 1 4/24/2009 04:12 PM
cis-1,2-Dichloroethene	ND 1.3	5.6	µg/Kg 1 4/24/2009 04:12 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105210
Project: 207126015
Lab ID: 105210-010A

Client Sample ID: 1001-114-25-S
Collection Date: 4/23/2009 9:15:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS5_090424A	QC Batch: T09VS107	PrepDate: 4/24/2009	Analyst: HH
cis-1,3-Dichloropropene	ND 1.4	5.6	µg/Kg 1 4/24/2009 04:12 PM
Dibromochloromethane	ND 0.76	5.6	µg/Kg 1 4/24/2009 04:12 PM
Dibromomethane	ND 1.9	5.6	µg/Kg 1 4/24/2009 04:12 PM
Dichlorodifluoromethane	ND 0.67	5.6	µg/Kg 1 4/24/2009 04:12 PM
Ethylbenzene	ND 1.0	5.6	µg/Kg 1 4/24/2009 04:12 PM
Hexachlorobutadiene	ND 3.8	5.6	µg/Kg 1 4/24/2009 04:12 PM
Isopropylbenzene	ND 1.4	5.6	µg/Kg 1 4/24/2009 04:12 PM
m,p-Xylene	ND 1.9	11	µg/Kg 1 4/24/2009 04:12 PM
Methylene chloride	ND 5.6	5.6	µg/Kg 1 4/24/2009 04:12 PM
n-Butylbenzene	ND 1.2	5.6	µg/Kg 1 4/24/2009 04:12 PM
n-Propylbenzene	ND 1.0	5.6	µg/Kg 1 4/24/2009 04:12 PM
Naphthalene	ND 1.9	5.6	µg/Kg 1 4/24/2009 04:12 PM
o-Xylene	ND 1.1	5.6	µg/Kg 1 4/24/2009 04:12 PM
sec-Butylbenzene	ND 0.95	5.6	µg/Kg 1 4/24/2009 04:12 PM
Styrene	ND 0.99	5.6	µg/Kg 1 4/24/2009 04:12 PM
tert-Butylbenzene	ND 0.68	5.6	µg/Kg 1 4/24/2009 04:12 PM
Tetrachloroethene	ND 1.2	5.6	µg/Kg 1 4/24/2009 04:12 PM
Toluene	ND 0.92	5.6	µg/Kg 1 4/24/2009 04:12 PM
trans-1,2-Dichloroethene	ND 1.1	5.6	µg/Kg 1 4/24/2009 04:12 PM
Trichloroethene	ND 2.2	5.6	µg/Kg 1 4/24/2009 04:12 PM
Trichlorofluoromethane	ND 1.3	5.6	µg/Kg 1 4/24/2009 04:12 PM
Vinyl chloride	ND 0.65	5.6	µg/Kg 1 4/24/2009 04:12 PM
Surr: 1,2-Dichloroethane-d4	115 0	68-147	%REC 1 4/24/2009 04:12 PM
Surr: 4-Bromofluorobenzene	98.6 0	67-127	%REC 1 4/24/2009 04:12 PM
Surr: Dibromofluoromethane	117 0	72-141	%REC 1 4/24/2009 04:12 PM
Surr: Toluene-d8	113 0	75-120	%REC 1 4/24/2009 04:12 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105210
Project: 207126015
Lab ID: 105210-011A

Client Sample ID: 1001-114-30-S
Collection Date: 4/23/2009 9:20:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS5_090424B	QC Batch: T09VS108	PrepDate: 4/24/2009	Analyst: HH
1,1,1,2-Tetrachloroethane	ND 1.6	4.5	µg/Kg 1 4/24/2009 07:03 PM
1,1,1-Trichloroethane	ND 0.59	4.5	µg/Kg 1 4/24/2009 07:03 PM
1,1,2,2-Tetrachloroethane	ND 1.4	4.5	µg/Kg 1 4/24/2009 07:03 PM
1,1,2-Trichloroethane	ND 1.5	4.5	µg/Kg 1 4/24/2009 07:03 PM
1,1-Dichloroethane	ND 0.46	4.5	µg/Kg 1 4/24/2009 07:03 PM
1,1-Dichloroethene	ND 1.2	4.5	µg/Kg 1 4/24/2009 07:03 PM
1,1-Dichloropropene	ND 1.4	4.5	µg/Kg 1 4/24/2009 07:03 PM
1,2,3-Trichlorobenzene	ND 0.94	4.5	µg/Kg 1 4/24/2009 07:03 PM
1,2,3-Trichloropropane	ND 0.68	4.5	µg/Kg 1 4/24/2009 07:03 PM
1,2,4-Trichlorobenzene	ND 1.2	4.5	µg/Kg 1 4/24/2009 07:03 PM
1,2,4-Trimethylbenzene	ND 0.78	4.5	µg/Kg 1 4/24/2009 07:03 PM
1,2-Dibromo-3-chloropropane	ND 1.8	9.1	µg/Kg 1 4/24/2009 07:03 PM
1,2-Dibromoethane	ND 1.3	4.5	µg/Kg 1 4/24/2009 07:03 PM
1,2-Dichlorobenzene	ND 0.76	4.5	µg/Kg 1 4/24/2009 07:03 PM
1,2-Dichloroethane	ND 1.1	4.5	µg/Kg 1 4/24/2009 07:03 PM
1,2-Dichloropropane	ND 1.4	4.5	µg/Kg 1 4/24/2009 07:03 PM
1,3,5-Trimethylbenzene	ND 0.91	4.5	µg/Kg 1 4/24/2009 07:03 PM
1,3-Dichlorobenzene	ND 0.92	4.5	µg/Kg 1 4/24/2009 07:03 PM
1,3-Dichloropropane	ND 0.96	4.5	µg/Kg 1 4/24/2009 07:03 PM
1,4-Dichlorobenzene	ND 1.1	4.5	µg/Kg 1 4/24/2009 07:03 PM
2,2-Dichloropropane	ND 0.79	4.5	µg/Kg 1 4/24/2009 07:03 PM
2-Chlorotoluene	ND 0.60	4.5	µg/Kg 1 4/24/2009 07:03 PM
4-Chlorotoluene	ND 0.61	4.5	µg/Kg 1 4/24/2009 07:03 PM
4-Isopropyltoluene	ND 0.52	4.5	µg/Kg 1 4/24/2009 07:03 PM
Benzene	ND 0.75	4.5	µg/Kg 1 4/24/2009 07:03 PM
Bromobenzene	ND 1.4	4.5	µg/Kg 1 4/24/2009 07:03 PM
Bromodichloromethane	ND 0.78	4.5	µg/Kg 1 4/24/2009 07:03 PM
Bromoform	ND 1.1	4.5	µg/Kg 1 4/24/2009 07:03 PM
Bromomethane	ND 0.79	4.5	µg/Kg 1 4/24/2009 07:03 PM
Carbon tetrachloride	ND 1.2	4.5	µg/Kg 1 4/24/2009 07:03 PM
Chlorobenzene	ND 0.81	4.5	µg/Kg 1 4/24/2009 07:03 PM
Chloroethane	ND 1.2	4.5	µg/Kg 1 4/24/2009 07:03 PM
Chloroform	ND 0.56	4.5	µg/Kg 1 4/24/2009 07:03 PM
Chloromethane	ND 0.74	4.5	µg/Kg 1 4/24/2009 07:03 PM
cis-1,2-Dichloroethene	ND 1.1	4.5	µg/Kg 1 4/24/2009 07:03 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105210
Project: 207126015
Lab ID: 105210-011A

Client Sample ID: 1001-114-30-S
Collection Date: 4/23/2009 9:20:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS5_090424B	QC Batch: T09VS108	PrepDate: 4/24/2009	Analyst: HH			
cis-1,3-Dichloropropene	ND	1.2	4.5	µg/Kg	1	4/24/2009 07:03 PM
Dibromochloromethane	ND	0.62	4.5	µg/Kg	1	4/24/2009 07:03 PM
Dibromomethane	ND	1.5	4.5	µg/Kg	1	4/24/2009 07:03 PM
Dichlorodifluoromethane	ND	0.55	4.5	µg/Kg	1	4/24/2009 07:03 PM
Ethylbenzene	ND	0.83	4.5	µg/Kg	1	4/24/2009 07:03 PM
Hexachlorobutadiene	ND	3.1	4.5	µg/Kg	1	4/24/2009 07:03 PM
Isopropylbenzene	ND	1.1	4.5	µg/Kg	1	4/24/2009 07:03 PM
m,p-Xylene	ND	1.5	9.1	µg/Kg	1	4/24/2009 07:03 PM
Methylene chloride	ND	4.5	4.5	µg/Kg	1	4/24/2009 07:03 PM
n-Butylbenzene	ND	0.95	4.5	µg/Kg	1	4/24/2009 07:03 PM
n-Propylbenzene	ND	0.82	4.5	µg/Kg	1	4/24/2009 07:03 PM
Naphthalene	ND	1.5	4.5	µg/Kg	1	4/24/2009 07:03 PM
o-Xylene	ND	0.93	4.5	µg/Kg	1	4/24/2009 07:03 PM
sec-Butylbenzene	ND	0.78	4.5	µg/Kg	1	4/24/2009 07:03 PM
Styrene	ND	0.81	4.5	µg/Kg	1	4/24/2009 07:03 PM
tert-Butylbenzene	ND	0.55	4.5	µg/Kg	1	4/24/2009 07:03 PM
Tetrachloroethene	ND	0.96	4.5	µg/Kg	1	4/24/2009 07:03 PM
Toluene	ND	0.75	4.5	µg/Kg	1	4/24/2009 07:03 PM
trans-1,2-Dichloroethene	ND	0.90	4.5	µg/Kg	1	4/24/2009 07:03 PM
Trichloroethene	ND	1.8	4.5	µg/Kg	1	4/24/2009 07:03 PM
Trichlorofluoromethane	ND	1.1	4.5	µg/Kg	1	4/24/2009 07:03 PM
Vinyl chloride	ND	0.54	4.5	µg/Kg	1	4/24/2009 07:03 PM
Surr: 1,2-Dichloroethane-d4	110	0	68-147	%REC	1	4/24/2009 07:03 PM
Surr: 4-Bromofluorobenzene	99.7	0	67-127	%REC	1	4/24/2009 07:03 PM
Surr: Dibromofluoromethane	110	0	72-141	%REC	1	4/24/2009 07:03 PM
Surr: Toluene-d8	109	0	75-120	%REC	1	4/24/2009 07:03 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



Advanced Technology
Laboratories

3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105210
Project: 207126015
Lab ID: 105210-012A

Client Sample ID: 1001-114-35-S
Collection Date: 4/23/2009 9:25:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS5_090424B	QC Batch: T09VS108	PrepDate: 4/24/2009	Analyst: HH
1,1,1,2-Tetrachloroethane	ND 1.6	4.7	µg/Kg 1 4/24/2009 07:23 PM
1,1,1-Trichloroethane	ND 0.61	4.7	µg/Kg 1 4/24/2009 07:23 PM
1,1,2,2-Tetrachloroethane	ND 1.5	4.7	µg/Kg 1 4/24/2009 07:23 PM
1,1,2-Trichloroethane	ND 1.6	4.7	µg/Kg 1 4/24/2009 07:23 PM
1,1-Dichloroethane	ND 0.48	4.7	µg/Kg 1 4/24/2009 07:23 PM
1,1-Dichloroethene	ND 1.2	4.7	µg/Kg 1 4/24/2009 07:23 PM
1,1-Dichloropropene	ND 1.4	4.7	µg/Kg 1 4/24/2009 07:23 PM
1,2,3-Trichlorobenzene	ND 0.98	4.7	µg/Kg 1 4/24/2009 07:23 PM
1,2,3-Trichloropropane	ND 0.71	4.7	µg/Kg 1 4/24/2009 07:23 PM
1,2,4-Trichlorobenzene	ND 1.3	4.7	µg/Kg 1 4/24/2009 07:23 PM
1,2,4-Trimethylbenzene	ND 0.81	4.7	µg/Kg 1 4/24/2009 07:23 PM
1,2-Dibromo-3-chloropropane	ND 1.8	9.4	µg/Kg 1 4/24/2009 07:23 PM
1,2-Dibromoethane	ND 1.4	4.7	µg/Kg 1 4/24/2009 07:23 PM
1,2-Dichlorobenzene	ND 0.78	4.7	µg/Kg 1 4/24/2009 07:23 PM
1,2-Dichloroethane	ND 1.1	4.7	µg/Kg 1 4/24/2009 07:23 PM
1,2-Dichloropropane	ND 1.5	4.7	µg/Kg 1 4/24/2009 07:23 PM
1,3,5-Trimethylbenzene	ND 0.95	4.7	µg/Kg 1 4/24/2009 07:23 PM
1,3-Dichlorobenzene	ND 0.95	4.7	µg/Kg 1 4/24/2009 07:23 PM
1,3-Dichloropropane	ND 0.99	4.7	µg/Kg 1 4/24/2009 07:23 PM
1,4-Dichlorobenzene	ND 1.1	4.7	µg/Kg 1 4/24/2009 07:23 PM
2,2-Dichloropropane	ND 0.82	4.7	µg/Kg 1 4/24/2009 07:23 PM
2-Chlorotoluene	ND 0.62	4.7	µg/Kg 1 4/24/2009 07:23 PM
4-Chlorotoluene	ND 0.64	4.7	µg/Kg 1 4/24/2009 07:23 PM
4-Isopropyltoluene	ND 0.54	4.7	µg/Kg 1 4/24/2009 07:23 PM
Benzene	ND 0.78	4.7	µg/Kg 1 4/24/2009 07:23 PM
Bromobenzene	ND 1.5	4.7	µg/Kg 1 4/24/2009 07:23 PM
Bromodichloromethane	ND 0.81	4.7	µg/Kg 1 4/24/2009 07:23 PM
Bromoform	ND 1.1	4.7	µg/Kg 1 4/24/2009 07:23 PM
Bromomethane	ND 0.82	4.7	µg/Kg 1 4/24/2009 07:23 PM
Carbon tetrachloride	ND 1.3	4.7	µg/Kg 1 4/24/2009 07:23 PM
Chlorobenzene	ND 0.85	4.7	µg/Kg 1 4/24/2009 07:23 PM
Chloroethane	ND 1.2	4.7	µg/Kg 1 4/24/2009 07:23 PM
Chloroform	ND 0.58	4.7	µg/Kg 1 4/24/2009 07:23 PM
Chloromethane	ND 0.77	4.7	µg/Kg 1 4/24/2009 07:23 PM
cis-1,2-Dichloroethene	ND 1.1	4.7	µg/Kg 1 4/24/2009 07:23 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

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Lab Order: 105210
Project: 207126015
Lab ID: 105210-012A

Client Sample ID: 1001-114-35-S
Collection Date: 4/23/2009 9:25:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS5_090424B	QC Batch: T09VS108	PrepDate: 4/24/2009	Analyst: HH
cis-1,3-Dichloropropene	ND 1.2	4.7	µg/Kg 1 4/24/2009 07:23 PM
Dibromochloromethane	ND 0.64	4.7	µg/Kg 1 4/24/2009 07:23 PM
Dibromomethane	ND 1.6	4.7	µg/Kg 1 4/24/2009 07:23 PM
Dichlorodifluoromethane	ND 0.57	4.7	µg/Kg 1 4/24/2009 07:23 PM
Ethylbenzene	ND 0.86	4.7	µg/Kg 1 4/24/2009 07:23 PM
Hexachlorobutadiene	ND 3.2	4.7	µg/Kg 1 4/24/2009 07:23 PM
Isopropylbenzene	ND 1.2	4.7	µg/Kg 1 4/24/2009 07:23 PM
m,p-Xylene	ND 1.6	9.4	µg/Kg 1 4/24/2009 07:23 PM
Methylene chloride	ND 4.7	4.7	µg/Kg 1 4/24/2009 07:23 PM
n-Butylbenzene	ND 0.98	4.7	µg/Kg 1 4/24/2009 07:23 PM
n-Propylbenzene	ND 0.85	4.7	µg/Kg 1 4/24/2009 07:23 PM
Naphthalene	ND 1.6	4.7	µg/Kg 1 4/24/2009 07:23 PM
o-Xylene	ND 0.97	4.7	µg/Kg 1 4/24/2009 07:23 PM
sec-Butylbenzene	ND 0.80	4.7	µg/Kg 1 4/24/2009 07:23 PM
Styrene	ND 0.84	4.7	µg/Kg 1 4/24/2009 07:23 PM
tert-Butylbenzene	ND 0.57	4.7	µg/Kg 1 4/24/2009 07:23 PM
Tetrachloroethene	ND 1.0	4.7	µg/Kg 1 4/24/2009 07:23 PM
Toluene	ND 0.78	4.7	µg/Kg 1 4/24/2009 07:23 PM
trans-1,2-Dichloroethene	ND 0.94	4.7	µg/Kg 1 4/24/2009 07:23 PM
Trichloroethene	ND 1.9	4.7	µg/Kg 1 4/24/2009 07:23 PM
Trichlorofluoromethane	ND 1.1	4.7	µg/Kg 1 4/24/2009 07:23 PM
Vinyl chloride	ND 0.56	4.7	µg/Kg 1 4/24/2009 07:23 PM
Surr: 1,2-Dichloroethane-d4	112 0	68-147	%REC 1 4/24/2009 07:23 PM
Surr: 4-Bromofluorobenzene	100 0	67-127	%REC 1 4/24/2009 07:23 PM
Surr: Dibromofluoromethane	111 0	72-141	%REC 1 4/24/2009 07:23 PM
Surr: Toluene-d8	109 0	75-120	%REC 1 4/24/2009 07:23 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
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Lab Order: 105210
Project: 207126015
Lab ID: 105210-013A

Client Sample ID: 1001-114-35D-S
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Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS5_090424B	QC Batch: T09VS108	PrepDate: 4/24/2009	Analyst: HH
1,1,1,2-Tetrachloroethane	ND 1.6	4.7	µg/Kg 1 4/24/2009 07:42 PM
1,1,1-Trichloroethane	ND 0.60	4.7	µg/Kg 1 4/24/2009 07:42 PM
1,1,2,2-Tetrachloroethane	ND 1.5	4.7	µg/Kg 1 4/24/2009 07:42 PM
1,1,2-Trichloroethane	ND 1.5	4.7	µg/Kg 1 4/24/2009 07:42 PM
1,1-Dichloroethane	ND 0.47	4.7	µg/Kg 1 4/24/2009 07:42 PM
1,1-Dichloroethene	ND 1.2	4.7	µg/Kg 1 4/24/2009 07:42 PM
1,1-Dichloropropene	ND 1.4	4.7	µg/Kg 1 4/24/2009 07:42 PM
1,2,3-Trichlorobenzene	ND 0.97	4.7	µg/Kg 1 4/24/2009 07:42 PM
1,2,3-Trichloropropane	ND 0.70	4.7	µg/Kg 1 4/24/2009 07:42 PM
1,2,4-Trichlorobenzene	ND 1.3	4.7	µg/Kg 1 4/24/2009 07:42 PM
1,2,4-Trimethylbenzene	ND 0.80	4.7	µg/Kg 1 4/24/2009 07:42 PM
1,2-Dibromo-3-chloropropane	ND 1.8	9.4	µg/Kg 1 4/24/2009 07:42 PM
1,2-Dibromoethane	ND 1.4	4.7	µg/Kg 1 4/24/2009 07:42 PM
1,2-Dichlorobenzene	ND 0.78	4.7	µg/Kg 1 4/24/2009 07:42 PM
1,2-Dichloroethane	ND 1.1	4.7	µg/Kg 1 4/24/2009 07:42 PM
1,2-Dichloropropane	ND 1.5	4.7	µg/Kg 1 4/24/2009 07:42 PM
1,3,5-Trimethylbenzene	ND 0.94	4.7	µg/Kg 1 4/24/2009 07:42 PM
1,3-Dichlorobenzene	ND 0.94	4.7	µg/Kg 1 4/24/2009 07:42 PM
1,3-Dichloropropane	ND 0.99	4.7	µg/Kg 1 4/24/2009 07:42 PM
1,4-Dichlorobenzene	ND 1.1	4.7	µg/Kg 1 4/24/2009 07:42 PM
2,2-Dichloropropane	ND 0.82	4.7	µg/Kg 1 4/24/2009 07:42 PM
2-Chlorotoluene	ND 0.62	4.7	µg/Kg 1 4/24/2009 07:42 PM
4-Chlorotoluene	ND 0.63	4.7	µg/Kg 1 4/24/2009 07:42 PM
4-Isopropyltoluene	ND 0.54	4.7	µg/Kg 1 4/24/2009 07:42 PM
Benzene	ND 0.77	4.7	µg/Kg 1 4/24/2009 07:42 PM
Bromobenzene	ND 1.5	4.7	µg/Kg 1 4/24/2009 07:42 PM
Bromodichloromethane	ND 0.80	4.7	µg/Kg 1 4/24/2009 07:42 PM
Bromoform	ND 1.1	4.7	µg/Kg 1 4/24/2009 07:42 PM
Bromomethane	ND 0.82	4.7	µg/Kg 1 4/24/2009 07:42 PM
Carbon tetrachloride	ND 1.2	4.7	µg/Kg 1 4/24/2009 07:42 PM
Chlorobenzene	ND 0.84	4.7	µg/Kg 1 4/24/2009 07:42 PM
Chloroethane	ND 1.2	4.7	µg/Kg 1 4/24/2009 07:42 PM
Chloroform	ND 0.58	4.7	µg/Kg 1 4/24/2009 07:42 PM
Chloromethane	ND 0.76	4.7	µg/Kg 1 4/24/2009 07:42 PM
cis-1,2-Dichloroethene	ND 1.1	4.7	µg/Kg 1 4/24/2009 07:42 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
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Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS5_090424B	QC Batch: T09VS108	PrepDate: 4/24/2009	Analyst: HH
cis-1,3-Dichloropropene	ND 1.2	4.7	µg/Kg 1 4/24/2009 07:42 PM
Dibromochloromethane	ND 0.64	4.7	µg/Kg 1 4/24/2009 07:42 PM
Dibromomethane	ND 1.6	4.7	µg/Kg 1 4/24/2009 07:42 PM
Dichlorodifluoromethane	ND 0.56	4.7	µg/Kg 1 4/24/2009 07:42 PM
Ethylbenzene	ND 0.85	4.7	µg/Kg 1 4/24/2009 07:42 PM
Hexachlorobutadiene	ND 3.2	4.7	µg/Kg 1 4/24/2009 07:42 PM
Isopropylbenzene	ND 1.1	4.7	µg/Kg 1 4/24/2009 07:42 PM
m,p-Xylene	ND 1.6	9.4	µg/Kg 1 4/24/2009 07:42 PM
Methylene chloride	ND 4.7	4.7	µg/Kg 1 4/24/2009 07:42 PM
n-Butylbenzene	ND 0.98	4.7	µg/Kg 1 4/24/2009 07:42 PM
n-Propylbenzene	ND 0.85	4.7	µg/Kg 1 4/24/2009 07:42 PM
Naphthalene	ND 1.6	4.7	µg/Kg 1 4/24/2009 07:42 PM
o-Xylene	ND 0.96	4.7	µg/Kg 1 4/24/2009 07:42 PM
sec-Butylbenzene	ND 0.80	4.7	µg/Kg 1 4/24/2009 07:42 PM
Styrene	ND 0.84	4.7	µg/Kg 1 4/24/2009 07:42 PM
tert-Butylbenzene	ND 0.57	4.7	µg/Kg 1 4/24/2009 07:42 PM
Tetrachloroethene	ND 0.99	4.7	µg/Kg 1 4/24/2009 07:42 PM
Toluene	ND 0.78	4.7	µg/Kg 1 4/24/2009 07:42 PM
trans-1,2-Dichloroethene	ND 0.93	4.7	µg/Kg 1 4/24/2009 07:42 PM
Trichloroethene	ND 1.8	4.7	µg/Kg 1 4/24/2009 07:42 PM
Trichlorofluoromethane	ND 1.1	4.7	µg/Kg 1 4/24/2009 07:42 PM
Vinyl chloride	ND 0.55	4.7	µg/Kg 1 4/24/2009 07:42 PM
Surr: 1,2-Dichloroethane-d4	101 0	68-147	%REC 1 4/24/2009 07:42 PM
Surr: 4-Bromofluorobenzene	88.3 0	67-127	%REC 1 4/24/2009 07:42 PM
Surr: Dibromofluoromethane	99.6 0	72-141	%REC 1 4/24/2009 07:42 PM
Surr: Toluene-d8	102 0	75-120	%REC 1 4/24/2009 07:42 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
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Lab Order: 105210
Project: 207126015
Lab ID: 105210-014A

Client Sample ID: 1001-114-40-S
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Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS5_090424C	QC Batch: T09VS109	PrepDate: 4/24/2009	Analyst: HH
1,1,1,2-Tetrachloroethane	ND 1.3	3.9	µg/Kg 1 4/25/2009 01:14 AM
1,1,1-Trichloroethane	ND 0.50	3.9	µg/Kg 1 4/25/2009 01:14 AM
1,1,2,2-Tetrachloroethane	ND 1.2	3.9	µg/Kg 1 4/25/2009 01:14 AM
1,1,2-Trichloroethane	ND 1.3	3.9	µg/Kg 1 4/25/2009 01:14 AM
1,1-Dichloroethane	ND 0.39	3.9	µg/Kg 1 4/25/2009 01:14 AM
1,1-Dichloroethene	ND 0.98	3.9	µg/Kg 1 4/25/2009 01:14 AM
1,1-Dichloropropene	ND 1.2	3.9	µg/Kg 1 4/25/2009 01:14 AM
1,2,3-Trichlorobenzene	ND 0.80	3.9	µg/Kg 1 4/25/2009 01:14 AM
1,2,3-Trichloropropane	ND 0.58	3.9	µg/Kg 1 4/25/2009 01:14 AM
1,2,4-Trichlorobenzene	ND 1.0	3.9	µg/Kg 1 4/25/2009 01:14 AM
1,2,4-Trimethylbenzene	ND 0.67	3.9	µg/Kg 1 4/25/2009 01:14 AM
1,2-Dibromo-3-chloropropane	ND 1.5	7.8	µg/Kg 1 4/25/2009 01:14 AM
1,2-Dibromoethane	ND 1.1	3.9	µg/Kg 1 4/25/2009 01:14 AM
1,2-Dichlorobenzene	ND 0.64	3.9	µg/Kg 1 4/25/2009 01:14 AM
1,2-Dichloroethane	ND 0.91	3.9	µg/Kg 1 4/25/2009 01:14 AM
1,2-Dichloropropane	ND 1.2	3.9	µg/Kg 1 4/25/2009 01:14 AM
1,3,5-Trimethylbenzene	ND 0.78	3.9	µg/Kg 1 4/25/2009 01:14 AM
1,3-Dichlorobenzene	ND 0.78	3.9	µg/Kg 1 4/25/2009 01:14 AM
1,3-Dichloropropane	ND 0.82	3.9	µg/Kg 1 4/25/2009 01:14 AM
1,4-Dichlorobenzene	ND 0.93	3.9	µg/Kg 1 4/25/2009 01:14 AM
2,2-Dichloropropane	ND 0.68	3.9	µg/Kg 1 4/25/2009 01:14 AM
2-Chlorotoluene	ND 0.51	3.9	µg/Kg 1 4/25/2009 01:14 AM
4-Chlorotoluene	ND 0.52	3.9	µg/Kg 1 4/25/2009 01:14 AM
4-Isopropyltoluene	ND 0.44	3.9	µg/Kg 1 4/25/2009 01:14 AM
Benzene	ND 0.64	3.9	µg/Kg 1 4/25/2009 01:14 AM
Bromobenzene	ND 1.2	3.9	µg/Kg 1 4/25/2009 01:14 AM
Bromodichloromethane	ND 0.66	3.9	µg/Kg 1 4/25/2009 01:14 AM
Bromoform	ND 0.94	3.9	µg/Kg 1 4/25/2009 01:14 AM
Bromomethane	ND 0.68	3.9	µg/Kg 1 4/25/2009 01:14 AM
Carbon tetrachloride	ND 1.0	3.9	µg/Kg 1 4/25/2009 01:14 AM
Chlorobenzene	ND 0.69	3.9	µg/Kg 1 4/25/2009 01:14 AM
Chloroethane	ND 1.0	3.9	µg/Kg 1 4/25/2009 01:14 AM
Chloroform	ND 0.48	3.9	µg/Kg 1 4/25/2009 01:14 AM
Chloromethane	ND 0.63	3.9	µg/Kg 1 4/25/2009 01:14 AM
cis-1,2-Dichloroethene	ND 0.93	3.9	µg/Kg 1 4/25/2009 01:14 AM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
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Client Sample ID: 1001-114-40-S
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Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS5_090424C	QC Batch: T09VS109	PrepDate: 4/24/2009	Analyst: HH
cis-1,3-Dichloropropene	ND 0.99	3.9	µg/Kg 1 4/25/2009 01:14 AM
Dibromochloromethane	ND 0.53	3.9	µg/Kg 1 4/25/2009 01:14 AM
Dibromomethane	ND 1.3	3.9	µg/Kg 1 4/25/2009 01:14 AM
Dichlorodifluoromethane	ND 0.47	3.9	µg/Kg 1 4/25/2009 01:14 AM
Ethylbenzene	ND 0.71	3.9	µg/Kg 1 4/25/2009 01:14 AM
Hexachlorobutadiene	ND 2.6	3.9	µg/Kg 1 4/25/2009 01:14 AM
Isopropylbenzene	ND 0.95	3.9	µg/Kg 1 4/25/2009 01:14 AM
m,p-Xylene	ND 1.3	7.8	µg/Kg 1 4/25/2009 01:14 AM
Methylene chloride	ND 3.9	3.9	µg/Kg 1 4/25/2009 01:14 AM
n-Butylbenzene	ND 0.81	3.9	µg/Kg 1 4/25/2009 01:14 AM
n-Propylbenzene	ND 0.70	3.9	µg/Kg 1 4/25/2009 01:14 AM
Naphthalene	ND 1.3	3.9	µg/Kg 1 4/25/2009 01:14 AM
o-Xylene	ND 0.80	3.9	µg/Kg 1 4/25/2009 01:14 AM
sec-Butylbenzene	ND 0.66	3.9	µg/Kg 1 4/25/2009 01:14 AM
Styrene	ND 0.69	3.9	µg/Kg 1 4/25/2009 01:14 AM
tert-Butylbenzene	ND 0.47	3.9	µg/Kg 1 4/25/2009 01:14 AM
Tetrachloroethene	ND 0.82	3.9	µg/Kg 1 4/25/2009 01:14 AM
Toluene	ND 0.64	3.9	µg/Kg 1 4/25/2009 01:14 AM
trans-1,2-Dichloroethene	ND 0.77	3.9	µg/Kg 1 4/25/2009 01:14 AM
Trichloroethene	ND 1.5	3.9	µg/Kg 1 4/25/2009 01:14 AM
Trichlorofluoromethane	ND 0.90	3.9	µg/Kg 1 4/25/2009 01:14 AM
Vinyl chloride	ND 0.46	3.9	µg/Kg 1 4/25/2009 01:14 AM
Surr: 1,2-Dichloroethane-d4	112 0	68-147	%REC 1 4/25/2009 01:14 AM
Surr: 4-Bromofluorobenzene	102 0	67-127	%REC 1 4/25/2009 01:14 AM
Surr: Dibromofluoromethane	109 0	72-141	%REC 1 4/25/2009 01:14 AM
Surr: Toluene-d8	110 0	75-120	%REC 1 4/25/2009 01:14 AM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
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ANALYTICAL RESULTS

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Lab Order: 105210
Project: 207126015
Lab ID: 105210-015A

Client Sample ID: 1001-116-5-S
Collection Date: 4/23/2009 10:20:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS5_090424C	QC Batch: T09VS109	PrepDate: 4/24/2009	Analyst: HH
1,1,1,2-Tetrachloroethane	ND 1.5	4.3	µg/Kg 1 4/25/2009 01:34 AM
1,1,1-Trichloroethane	ND 0.55	4.3	µg/Kg 1 4/25/2009 01:34 AM
1,1,2,2-Tetrachloroethane	ND 1.3	4.3	µg/Kg 1 4/25/2009 01:34 AM
1,1,2-Trichloroethane	ND 1.4	4.3	µg/Kg 1 4/25/2009 01:34 AM
1,1-Dichloroethane	ND 0.43	4.3	µg/Kg 1 4/25/2009 01:34 AM
1,1-Dichloroethene	ND 1.1	4.3	µg/Kg 1 4/25/2009 01:34 AM
1,1-Dichloropropene	ND 1.3	4.3	µg/Kg 1 4/25/2009 01:34 AM
1,2,3-Trichlorobenzene	ND 0.89	4.3	µg/Kg 1 4/25/2009 01:34 AM
1,2,3-Trichloropropane	ND 0.64	4.3	µg/Kg 1 4/25/2009 01:34 AM
1,2,4-Trichlorobenzene	ND 1.1	4.3	µg/Kg 1 4/25/2009 01:34 AM
1,2,4-Trimethylbenzene	ND 0.73	4.3	µg/Kg 1 4/25/2009 01:34 AM
1,2-Dibromo-3-chloropropane	ND 1.6	8.5	µg/Kg 1 4/25/2009 01:34 AM
1,2-Dibromoethane	ND 1.3	4.3	µg/Kg 1 4/25/2009 01:34 AM
1,2-Dichlorobenzene	ND 0.71	4.3	µg/Kg 1 4/25/2009 01:34 AM
1,2-Dichloroethane	ND 1.0	4.3	µg/Kg 1 4/25/2009 01:34 AM
1,2-Dichloropropane	ND 1.3	4.3	µg/Kg 1 4/25/2009 01:34 AM
1,3,5-Trimethylbenzene	ND 0.86	4.3	µg/Kg 1 4/25/2009 01:34 AM
1,3-Dichlorobenzene	ND 0.86	4.3	µg/Kg 1 4/25/2009 01:34 AM
1,3-Dichloropropane	ND 0.90	4.3	µg/Kg 1 4/25/2009 01:34 AM
1,4-Dichlorobenzene	ND 1.0	4.3	µg/Kg 1 4/25/2009 01:34 AM
2,2-Dichloropropane	ND 0.74	4.3	µg/Kg 1 4/25/2009 01:34 AM
2-Chlorotoluene	ND 0.56	4.3	µg/Kg 1 4/25/2009 01:34 AM
4-Chlorotoluene	ND 0.58	4.3	µg/Kg 1 4/25/2009 01:34 AM
4-Isopropyltoluene	ND 0.49	4.3	µg/Kg 1 4/25/2009 01:34 AM
Benzene	ND 0.70	4.3	µg/Kg 1 4/25/2009 01:34 AM
Bromobenzene	ND 1.3	4.3	µg/Kg 1 4/25/2009 01:34 AM
Bromodichloromethane	ND 0.73	4.3	µg/Kg 1 4/25/2009 01:34 AM
Bromoform	ND 1.0	4.3	µg/Kg 1 4/25/2009 01:34 AM
Bromomethane	ND 0.75	4.3	µg/Kg 1 4/25/2009 01:34 AM
Carbon tetrachloride	ND 1.1	4.3	µg/Kg 1 4/25/2009 01:34 AM
Chlorobenzene	ND 0.77	4.3	µg/Kg 1 4/25/2009 01:34 AM
Chloroethane	ND 1.1	4.3	µg/Kg 1 4/25/2009 01:34 AM
Chloroform	ND 0.53	4.3	µg/Kg 1 4/25/2009 01:34 AM
Chloromethane	ND 0.70	4.3	µg/Kg 1 4/25/2009 01:34 AM
cis-1,2-Dichloroethene	ND 1.0	4.3	µg/Kg 1 4/25/2009 01:34 AM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



Advanced Technology
Laboratories

3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105210
Project: 207126015
Lab ID: 105210-015A

Client Sample ID: 1001-116-5-S
Collection Date: 4/23/2009 10:20:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS5_090424C	QC Batch: T09VS109	PrepDate: 4/24/2009	Analyst: HH
cis-1,3-Dichloropropene	ND 1.1	4.3	µg/Kg 1 4/25/2009 01:34 AM
Dibromochloromethane	ND 0.58	4.3	µg/Kg 1 4/25/2009 01:34 AM
Dibromomethane	ND 1.4	4.3	µg/Kg 1 4/25/2009 01:34 AM
Dichlorodifluoromethane	ND 0.51	4.3	µg/Kg 1 4/25/2009 01:34 AM
Ethylbenzene	ND 0.78	4.3	µg/Kg 1 4/25/2009 01:34 AM
Hexachlorobutadiene	ND 2.9	4.3	µg/Kg 1 4/25/2009 01:34 AM
Isopropylbenzene	ND 1.0	4.3	µg/Kg 1 4/25/2009 01:34 AM
m,p-Xylene	ND 1.4	8.5	µg/Kg 1 4/25/2009 01:34 AM
Methylene chloride	ND 4.3	4.3	µg/Kg 1 4/25/2009 01:34 AM
n-Butylbenzene	ND 0.89	4.3	µg/Kg 1 4/25/2009 01:34 AM
n-Propylbenzene	ND 0.77	4.3	µg/Kg 1 4/25/2009 01:34 AM
Naphthalene	ND 1.4	4.3	µg/Kg 1 4/25/2009 01:34 AM
o-Xylene	ND 0.88	4.3	µg/Kg 1 4/25/2009 01:34 AM
sec-Butylbenzene	ND 0.73	4.3	µg/Kg 1 4/25/2009 01:34 AM
Styrene	ND 0.76	4.3	µg/Kg 1 4/25/2009 01:34 AM
tert-Butylbenzene	ND 0.52	4.3	µg/Kg 1 4/25/2009 01:34 AM
Tetrachloroethene	ND 0.90	4.3	µg/Kg 1 4/25/2009 01:34 AM
Toluene	ND 0.71	4.3	µg/Kg 1 4/25/2009 01:34 AM
trans-1,2-Dichloroethene	ND 0.85	4.3	µg/Kg 1 4/25/2009 01:34 AM
Trichloroethene	ND 1.7	4.3	µg/Kg 1 4/25/2009 01:34 AM
Trichlorofluoromethane	ND 0.99	4.3	µg/Kg 1 4/25/2009 01:34 AM
Vinyl chloride	ND 0.50	4.3	µg/Kg 1 4/25/2009 01:34 AM
Surr: 1,2-Dichloroethane-d4	110 0	68-147	%REC 1 4/25/2009 01:34 AM
Surr: 4-Bromofluorobenzene	94.9 0	67-127	%REC 1 4/25/2009 01:34 AM
Surr: Dibromofluoromethane	109 0	72-141	%REC 1 4/25/2009 01:34 AM
Surr: Toluene-d8	106 0	75-120	%REC 1 4/25/2009 01:34 AM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105210
Project: 207126015
Lab ID: 105210-016A

Client Sample ID: 1001-116-10-S
Collection Date: 4/23/2009 10:25:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS5_090424C	QC Batch: T09VS109	PrepDate: 4/24/2009	Analyst: HH
1,1,1,2-Tetrachloroethane	ND 1.4	3.9	µg/Kg 1 4/25/2009 01:53 AM
1,1,1-Trichloroethane	ND 0.51	3.9	µg/Kg 1 4/25/2009 01:53 AM
1,1,2,2-Tetrachloroethane	ND 1.2	3.9	µg/Kg 1 4/25/2009 01:53 AM
1,1,2-Trichloroethane	ND 1.3	3.9	µg/Kg 1 4/25/2009 01:53 AM
1,1-Dichloroethane	ND 0.40	3.9	µg/Kg 1 4/25/2009 01:53 AM
1,1-Dichloroethene	ND 1.0	3.9	µg/Kg 1 4/25/2009 01:53 AM
1,1-Dichloropropene	ND 1.2	3.9	µg/Kg 1 4/25/2009 01:53 AM
1,2,3-Trichlorobenzene	ND 0.82	3.9	µg/Kg 1 4/25/2009 01:53 AM
1,2,3-Trichloropropane	ND 0.59	3.9	µg/Kg 1 4/25/2009 01:53 AM
1,2,4-Trichlorobenzene	ND 1.1	3.9	µg/Kg 1 4/25/2009 01:53 AM
1,2,4-Trimethylbenzene	ND 0.68	3.9	µg/Kg 1 4/25/2009 01:53 AM
1,2-Dibromo-3-chloropropane	ND 1.5	7.9	µg/Kg 1 4/25/2009 01:53 AM
1,2-Dibromoethane	ND 1.2	3.9	µg/Kg 1 4/25/2009 01:53 AM
1,2-Dichlorobenzene	ND 0.66	3.9	µg/Kg 1 4/25/2009 01:53 AM
1,2-Dichloroethane	ND 0.92	3.9	µg/Kg 1 4/25/2009 01:53 AM
1,2-Dichloropropane	ND 1.2	3.9	µg/Kg 1 4/25/2009 01:53 AM
1,3,5-Trimethylbenzene	ND 0.79	3.9	µg/Kg 1 4/25/2009 01:53 AM
1,3-Dichlorobenzene	ND 0.80	3.9	µg/Kg 1 4/25/2009 01:53 AM
1,3-Dichloropropane	ND 0.83	3.9	µg/Kg 1 4/25/2009 01:53 AM
1,4-Dichlorobenzene	ND 0.95	3.9	µg/Kg 1 4/25/2009 01:53 AM
2,2-Dichloropropane	ND 0.69	3.9	µg/Kg 1 4/25/2009 01:53 AM
2-Chlorotoluene	ND 0.52	3.9	µg/Kg 1 4/25/2009 01:53 AM
4-Chlorotoluene	ND 0.53	3.9	µg/Kg 1 4/25/2009 01:53 AM
4-Isopropyltoluene	ND 0.45	3.9	µg/Kg 1 4/25/2009 01:53 AM
Benzene	ND 0.65	3.9	µg/Kg 1 4/25/2009 01:53 AM
Bromobenzene	ND 1.2	3.9	µg/Kg 1 4/25/2009 01:53 AM
Bromodichloromethane	ND 0.67	3.9	µg/Kg 1 4/25/2009 01:53 AM
Bromoform	ND 0.96	3.9	µg/Kg 1 4/25/2009 01:53 AM
Bromomethane	ND 0.69	3.9	µg/Kg 1 4/25/2009 01:53 AM
Carbon tetrachloride	ND 1.1	3.9	µg/Kg 1 4/25/2009 01:53 AM
Chlorobenzene	ND 0.71	3.9	µg/Kg 1 4/25/2009 01:53 AM
Chloroethane	ND 1.0	3.9	µg/Kg 1 4/25/2009 01:53 AM
Chloroform	ND 0.49	3.9	µg/Kg 1 4/25/2009 01:53 AM
Chloromethane	ND 0.65	3.9	µg/Kg 1 4/25/2009 01:53 AM
cis-1,2-Dichloroethene	ND 0.95	3.9	µg/Kg 1 4/25/2009 01:53 AM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105210
Project: 207126015
Lab ID: 105210-016A

Client Sample ID: 1001-116-10-S
Collection Date: 4/23/2009 10:25:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS5_090424C	QC Batch: T09VS109	PrepDate: 4/24/2009	Analyst: HH
cis-1,3-Dichloropropene	ND 1.0	3.9	µg/Kg 1 4/25/2009 01:53 AM
Dibromochloromethane	ND 0.54	3.9	µg/Kg 1 4/25/2009 01:53 AM
Dibromomethane	ND 1.3	3.9	µg/Kg 1 4/25/2009 01:53 AM
Dichlorodifluoromethane	ND 0.47	3.9	µg/Kg 1 4/25/2009 01:53 AM
Ethylbenzene	ND 0.72	3.9	µg/Kg 1 4/25/2009 01:53 AM
Hexachlorobutadiene	ND 2.7	3.9	µg/Kg 1 4/25/2009 01:53 AM
Isopropylbenzene	ND 0.97	3.9	µg/Kg 1 4/25/2009 01:53 AM
m,p-Xylene	ND 1.3	7.9	µg/Kg 1 4/25/2009 01:53 AM
Methylene chloride	ND 3.9	3.9	µg/Kg 1 4/25/2009 01:53 AM
n-Butylbenzene	ND 0.82	3.9	µg/Kg 1 4/25/2009 01:53 AM
n-Propylbenzene	ND 0.71	3.9	µg/Kg 1 4/25/2009 01:53 AM
Naphthalene	ND 1.3	3.9	µg/Kg 1 4/25/2009 01:53 AM
o-Xylene	ND 0.81	3.9	µg/Kg 1 4/25/2009 01:53 AM
sec-Butylbenzene	ND 0.67	3.9	µg/Kg 1 4/25/2009 01:53 AM
Styrene	ND 0.71	3.9	µg/Kg 1 4/25/2009 01:53 AM
tert-Butylbenzene	ND 0.48	3.9	µg/Kg 1 4/25/2009 01:53 AM
Tetrachloroethene	ND 0.83	3.9	µg/Kg 1 4/25/2009 01:53 AM
Toluene	ND 0.66	3.9	µg/Kg 1 4/25/2009 01:53 AM
trans-1,2-Dichloroethene	ND 0.78	3.9	µg/Kg 1 4/25/2009 01:53 AM
Trichloroethene	ND 1.6	3.9	µg/Kg 1 4/25/2009 01:53 AM
Trichlorofluoromethane	ND 0.92	3.9	µg/Kg 1 4/25/2009 01:53 AM
Vinyl chloride	ND 0.47	3.9	µg/Kg 1 4/25/2009 01:53 AM
Surr: 1,2-Dichloroethane-d4	109 0	68-147	%REC 1 4/25/2009 01:53 AM
Surr: 4-Bromofluorobenzene	95.0 0	67-127	%REC 1 4/25/2009 01:53 AM
Surr: Dibromofluoromethane	108 0	72-141	%REC 1 4/25/2009 01:53 AM
Surr: Toluene-d8	110 0	75-120	%REC 1 4/25/2009 01:53 AM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105210
Project: 207126015
Lab ID: 105210-017A

Client Sample ID: 1001-116-20-S
Collection Date: 4/23/2009 10:30:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS5_090424C	QC Batch: T09VS109	PrepDate: 4/24/2009	Analyst: HH
1,1,1,2-Tetrachloroethane	ND 1.5	4.3	µg/Kg 1 4/25/2009 02:13 AM
1,1,1-Trichloroethane	ND 0.55	4.3	µg/Kg 1 4/25/2009 02:13 AM
1,1,2,2-Tetrachloroethane	ND 1.3	4.3	µg/Kg 1 4/25/2009 02:13 AM
1,1,2-Trichloroethane	ND 1.4	4.3	µg/Kg 1 4/25/2009 02:13 AM
1,1-Dichloroethane	ND 0.43	4.3	µg/Kg 1 4/25/2009 02:13 AM
1,1-Dichloroethene	ND 1.1	4.3	µg/Kg 1 4/25/2009 02:13 AM
1,1-Dichloropropene	ND 1.3	4.3	µg/Kg 1 4/25/2009 02:13 AM
1,2,3-Trichlorobenzene	ND 0.89	4.3	µg/Kg 1 4/25/2009 02:13 AM
1,2,3-Trichloropropane	ND 0.64	4.3	µg/Kg 1 4/25/2009 02:13 AM
1,2,4-Trichlorobenzene	ND 1.2	4.3	µg/Kg 1 4/25/2009 02:13 AM
1,2,4-Trimethylbenzene	ND 0.74	4.3	µg/Kg 1 4/25/2009 02:13 AM
1,2-Dibromo-3-chloropropane	ND 1.6	8.6	µg/Kg 1 4/25/2009 02:13 AM
1,2-Dibromoethane	ND 1.3	4.3	µg/Kg 1 4/25/2009 02:13 AM
1,2-Dichlorobenzene	ND 0.71	4.3	µg/Kg 1 4/25/2009 02:13 AM
1,2-Dichloroethane	ND 1.0	4.3	µg/Kg 1 4/25/2009 02:13 AM
1,2-Dichloropropane	ND 1.3	4.3	µg/Kg 1 4/25/2009 02:13 AM
1,3,5-Trimethylbenzene	ND 0.86	4.3	µg/Kg 1 4/25/2009 02:13 AM
1,3-Dichlorobenzene	ND 0.86	4.3	µg/Kg 1 4/25/2009 02:13 AM
1,3-Dichloropropane	ND 0.90	4.3	µg/Kg 1 4/25/2009 02:13 AM
1,4-Dichlorobenzene	ND 1.0	4.3	µg/Kg 1 4/25/2009 02:13 AM
2,2-Dichloropropane	ND 0.75	4.3	µg/Kg 1 4/25/2009 02:13 AM
2-Chlorotoluene	ND 0.56	4.3	µg/Kg 1 4/25/2009 02:13 AM
4-Chlorotoluene	ND 0.58	4.3	µg/Kg 1 4/25/2009 02:13 AM
4-Isopropyltoluene	ND 0.49	4.3	µg/Kg 1 4/25/2009 02:13 AM
Benzene	ND 0.70	4.3	µg/Kg 1 4/25/2009 02:13 AM
Bromobenzene	ND 1.3	4.3	µg/Kg 1 4/25/2009 02:13 AM
Bromodichloromethane	ND 0.73	4.3	µg/Kg 1 4/25/2009 02:13 AM
Bromoform	ND 1.0	4.3	µg/Kg 1 4/25/2009 02:13 AM
Bromomethane	ND 0.75	4.3	µg/Kg 1 4/25/2009 02:13 AM
Carbon tetrachloride	ND 1.1	4.3	µg/Kg 1 4/25/2009 02:13 AM
Chlorobenzene	ND 0.77	4.3	µg/Kg 1 4/25/2009 02:13 AM
Chloroethane	ND 1.1	4.3	µg/Kg 1 4/25/2009 02:13 AM
Chloroform	ND 0.53	4.3	µg/Kg 1 4/25/2009 02:13 AM
Chloromethane	ND 0.70	4.3	µg/Kg 1 4/25/2009 02:13 AM
cis-1,2-Dichloroethene	ND 1.0	4.3	µg/Kg 1 4/25/2009 02:13 AM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105210
Project: 207126015
Lab ID: 105210-017A

Client Sample ID: 1001-116-20-S
Collection Date: 4/23/2009 10:30:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS5_090424C	QC Batch: T09VS109	PrepDate: 4/24/2009	Analyst: HH
cis-1,3-Dichloropropene	ND 1.1	4.3	µg/Kg 1 4/25/2009 02:13 AM
Dibromochloromethane	ND 0.58	4.3	µg/Kg 1 4/25/2009 02:13 AM
Dibromomethane	ND 1.4	4.3	µg/Kg 1 4/25/2009 02:13 AM
Dichlorodifluoromethane	ND 0.51	4.3	µg/Kg 1 4/25/2009 02:13 AM
Ethylbenzene	ND 0.78	4.3	µg/Kg 1 4/25/2009 02:13 AM
Hexachlorobutadiene	ND 2.9	4.3	µg/Kg 1 4/25/2009 02:13 AM
Isopropylbenzene	ND 1.0	4.3	µg/Kg 1 4/25/2009 02:13 AM
m,p-Xylene	ND 1.4	8.6	µg/Kg 1 4/25/2009 02:13 AM
Methylene chloride	ND 4.3	4.3	µg/Kg 1 4/25/2009 02:13 AM
n-Butylbenzene	ND 0.89	4.3	µg/Kg 1 4/25/2009 02:13 AM
n-Propylbenzene	ND 0.77	4.3	µg/Kg 1 4/25/2009 02:13 AM
Naphthalene	ND 1.4	4.3	µg/Kg 1 4/25/2009 02:13 AM
o-Xylene	ND 0.88	4.3	µg/Kg 1 4/25/2009 02:13 AM
sec-Butylbenzene	ND 0.73	4.3	µg/Kg 1 4/25/2009 02:13 AM
Styrene	ND 0.77	4.3	µg/Kg 1 4/25/2009 02:13 AM
tert-Butylbenzene	ND 0.52	4.3	µg/Kg 1 4/25/2009 02:13 AM
Tetrachloroethene	ND 0.90	4.3	µg/Kg 1 4/25/2009 02:13 AM
Toluene	ND 0.71	4.3	µg/Kg 1 4/25/2009 02:13 AM
trans-1,2-Dichloroethene	ND 0.85	4.3	µg/Kg 1 4/25/2009 02:13 AM
Trichloroethene	ND 1.7	4.3	µg/Kg 1 4/25/2009 02:13 AM
Trichlorofluoromethane	ND 0.99	4.3	µg/Kg 1 4/25/2009 02:13 AM
Vinyl chloride	ND 0.50	4.3	µg/Kg 1 4/25/2009 02:13 AM
Surr: 1,2-Dichloroethane-d4	107 0	68-147	%REC 1 4/25/2009 02:13 AM
Surr: 4-Bromofluorobenzene	92.0 0	67-127	%REC 1 4/25/2009 02:13 AM
Surr: Dibromofluoromethane	103 0	72-141	%REC 1 4/25/2009 02:13 AM
Surr: Toluene-d8	105 0	75-120	%REC 1 4/25/2009 02:13 AM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105210
Project: 207126015
Lab ID: 105210-018A

Client Sample ID: 1001-116-25-S
Collection Date: 4/23/2009 10:35:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS5_090424C	QC Batch: T09VS109	PrepDate: 4/24/2009	Analyst: HH
1,1,1,2-Tetrachloroethane	ND 1.5	4.4	µg/Kg 1 4/25/2009 02:32 AM
1,1,1-Trichloroethane	ND 0.57	4.4	µg/Kg 1 4/25/2009 02:32 AM
1,1,2,2-Tetrachloroethane	ND 1.4	4.4	µg/Kg 1 4/25/2009 02:32 AM
1,1,2-Trichloroethane	ND 1.4	4.4	µg/Kg 1 4/25/2009 02:32 AM
1,1-Dichloroethane	ND 0.44	4.4	µg/Kg 1 4/25/2009 02:32 AM
1,1-Dichloroethene	ND 1.1	4.4	µg/Kg 1 4/25/2009 02:32 AM
1,1-Dichloropropene	ND 1.3	4.4	µg/Kg 1 4/25/2009 02:32 AM
1,2,3-Trichlorobenzene	ND 0.91	4.4	µg/Kg 1 4/25/2009 02:32 AM
1,2,3-Trichloropropane	ND 0.66	4.4	µg/Kg 1 4/25/2009 02:32 AM
1,2,4-Trichlorobenzene	ND 1.2	4.4	µg/Kg 1 4/25/2009 02:32 AM
1,2,4-Trimethylbenzene	ND 0.75	4.4	µg/Kg 1 4/25/2009 02:32 AM
1,2-Dibromo-3-chloropropane	ND 1.7	8.8	µg/Kg 1 4/25/2009 02:32 AM
1,2-Dibromoethane	ND 1.3	4.4	µg/Kg 1 4/25/2009 02:32 AM
1,2-Dichlorobenzene	ND 0.73	4.4	µg/Kg 1 4/25/2009 02:32 AM
1,2-Dichloroethane	ND 1.0	4.4	µg/Kg 1 4/25/2009 02:32 AM
1,2-Dichloropropane	ND 1.4	4.4	µg/Kg 1 4/25/2009 02:32 AM
1,3,5-Trimethylbenzene	ND 0.88	4.4	µg/Kg 1 4/25/2009 02:32 AM
1,3-Dichlorobenzene	ND 0.89	4.4	µg/Kg 1 4/25/2009 02:32 AM
1,3-Dichloropropane	ND 0.93	4.4	µg/Kg 1 4/25/2009 02:32 AM
1,4-Dichlorobenzene	ND 1.1	4.4	µg/Kg 1 4/25/2009 02:32 AM
2,2-Dichloropropane	ND 0.77	4.4	µg/Kg 1 4/25/2009 02:32 AM
2-Chlorotoluene	ND 0.58	4.4	µg/Kg 1 4/25/2009 02:32 AM
4-Chlorotoluene	ND 0.59	4.4	µg/Kg 1 4/25/2009 02:32 AM
4-Isopropyltoluene	ND 0.50	4.4	µg/Kg 1 4/25/2009 02:32 AM
Benzene	ND 0.72	4.4	µg/Kg 1 4/25/2009 02:32 AM
Bromobenzene	ND 1.4	4.4	µg/Kg 1 4/25/2009 02:32 AM
Bromodichloromethane	ND 0.75	4.4	µg/Kg 1 4/25/2009 02:32 AM
Bromoform	ND 1.1	4.4	µg/Kg 1 4/25/2009 02:32 AM
Bromomethane	ND 0.77	4.4	µg/Kg 1 4/25/2009 02:32 AM
Carbon tetrachloride	ND 1.2	4.4	µg/Kg 1 4/25/2009 02:32 AM
Chlorobenzene	ND 0.79	4.4	µg/Kg 1 4/25/2009 02:32 AM
Chloroethane	ND 1.2	4.4	µg/Kg 1 4/25/2009 02:32 AM
Chloroform	ND 0.54	4.4	µg/Kg 1 4/25/2009 02:32 AM
Chloromethane	ND 0.72	4.4	µg/Kg 1 4/25/2009 02:32 AM
cis-1,2-Dichloroethene	ND 1.1	4.4	µg/Kg 1 4/25/2009 02:32 AM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



Advanced Technology
Laboratories

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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105210
Project: 207126015
Lab ID: 105210-018A

Client Sample ID: 1001-116-25-S
Collection Date: 4/23/2009 10:35:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS5_090424C	QC Batch: T09VS109	PrepDate: 4/24/2009	Analyst: HH
cis-1,3-Dichloropropene	ND 1.1	4.4	µg/Kg 1 4/25/2009 02:32 AM
Dibromochloromethane	ND 0.60	4.4	µg/Kg 1 4/25/2009 02:32 AM
Dibromomethane	ND 1.5	4.4	µg/Kg 1 4/25/2009 02:32 AM
Dichlorodifluoromethane	ND 0.53	4.4	µg/Kg 1 4/25/2009 02:32 AM
Ethylbenzene	ND 0.80	4.4	µg/Kg 1 4/25/2009 02:32 AM
Hexachlorobutadiene	ND 3.0	4.4	µg/Kg 1 4/25/2009 02:32 AM
Isopropylbenzene	ND 1.1	4.4	µg/Kg 1 4/25/2009 02:32 AM
m,p-Xylene	ND 1.5	8.8	µg/Kg 1 4/25/2009 02:32 AM
Methylene chloride	ND 4.4	4.4	µg/Kg 1 4/25/2009 02:32 AM
n-Butylbenzene	ND 0.92	4.4	µg/Kg 1 4/25/2009 02:32 AM
n-Propylbenzene	ND 0.79	4.4	µg/Kg 1 4/25/2009 02:32 AM
Naphthalene	ND 1.5	4.4	µg/Kg 1 4/25/2009 02:32 AM
o-Xylene	ND 0.90	4.4	µg/Kg 1 4/25/2009 02:32 AM
sec-Butylbenzene	ND 0.75	4.4	µg/Kg 1 4/25/2009 02:32 AM
Styrene	ND 0.79	4.4	µg/Kg 1 4/25/2009 02:32 AM
tert-Butylbenzene	ND 0.54	4.4	µg/Kg 1 4/25/2009 02:32 AM
Tetrachloroethene	ND 0.93	4.4	µg/Kg 1 4/25/2009 02:32 AM
Toluene	ND 0.73	4.4	µg/Kg 1 4/25/2009 02:32 AM
trans-1,2-Dichloroethene	ND 0.87	4.4	µg/Kg 1 4/25/2009 02:32 AM
Trichloroethene	ND 1.7	4.4	µg/Kg 1 4/25/2009 02:32 AM
Trichlorofluoromethane	ND 1.0	4.4	µg/Kg 1 4/25/2009 02:32 AM
Vinyl chloride	ND 0.52	4.4	µg/Kg 1 4/25/2009 02:32 AM
Surr: 1,2-Dichloroethane-d4	115 0	68-147	%REC 1 4/25/2009 02:32 AM
Surr: 4-Bromofluorobenzene	97.1 0	67-127	%REC 1 4/25/2009 02:32 AM
Surr: Dibromofluoromethane	117 0	72-141	%REC 1 4/25/2009 02:32 AM
Surr: Toluene-d8	102 0	75-120	%REC 1 4/25/2009 02:32 AM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105210
Project: 207126015
Lab ID: 105210-019A

Client Sample ID: 1001-116-30-S
Collection Date: 4/23/2009 10:38:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS5_090424C	QC Batch: T09VS109	PrepDate: 4/24/2009	Analyst: HH
1,1,1,2-Tetrachloroethane	ND 1.7	4.8	µg/Kg 1 4/25/2009 02:52 AM
1,1,1-Trichloroethane	ND 0.62	4.8	µg/Kg 1 4/25/2009 02:52 AM
1,1,2,2-Tetrachloroethane	ND 1.5	4.8	µg/Kg 1 4/25/2009 02:52 AM
1,1,2-Trichloroethane	ND 1.6	4.8	µg/Kg 1 4/25/2009 02:52 AM
1,1-Dichloroethane	ND 0.49	4.8	µg/Kg 1 4/25/2009 02:52 AM
1,1-Dichloroethene	ND 1.2	4.8	µg/Kg 1 4/25/2009 02:52 AM
1,1-Dichloropropene	ND 1.5	4.8	µg/Kg 1 4/25/2009 02:52 AM
1,2,3-Trichlorobenzene	ND 1.0	4.8	µg/Kg 1 4/25/2009 02:52 AM
1,2,3-Trichloropropane	ND 0.72	4.8	µg/Kg 1 4/25/2009 02:52 AM
1,2,4-Trichlorobenzene	ND 1.3	4.8	µg/Kg 1 4/25/2009 02:52 AM
1,2,4-Trimethylbenzene	ND 0.83	4.8	µg/Kg 1 4/25/2009 02:52 AM
1,2-Dibromo-3-chloropropane	ND 1.9	9.6	µg/Kg 1 4/25/2009 02:52 AM
1,2-Dibromoethane	ND 1.4	4.8	µg/Kg 1 4/25/2009 02:52 AM
1,2-Dichlorobenzene	ND 0.80	4.8	µg/Kg 1 4/25/2009 02:52 AM
1,2-Dichloroethane	ND 1.1	4.8	µg/Kg 1 4/25/2009 02:52 AM
1,2-Dichloropropane	ND 1.5	4.8	µg/Kg 1 4/25/2009 02:52 AM
1,3,5-Trimethylbenzene	ND 0.96	4.8	µg/Kg 1 4/25/2009 02:52 AM
1,3-Dichlorobenzene	ND 0.97	4.8	µg/Kg 1 4/25/2009 02:52 AM
1,3-Dichloropropane	ND 1.0	4.8	µg/Kg 1 4/25/2009 02:52 AM
1,4-Dichlorobenzene	ND 1.2	4.8	µg/Kg 1 4/25/2009 02:52 AM
2,2-Dichloropropane	ND 0.84	4.8	µg/Kg 1 4/25/2009 02:52 AM
2-Chlorotoluene	ND 0.63	4.8	µg/Kg 1 4/25/2009 02:52 AM
4-Chlorotoluene	ND 0.65	4.8	µg/Kg 1 4/25/2009 02:52 AM
4-Isopropyltoluene	ND 0.55	4.8	µg/Kg 1 4/25/2009 02:52 AM
Benzene	ND 0.79	4.8	µg/Kg 1 4/25/2009 02:52 AM
Bromobenzene	ND 1.5	4.8	µg/Kg 1 4/25/2009 02:52 AM
Bromodichloromethane	ND 0.82	4.8	µg/Kg 1 4/25/2009 02:52 AM
Bromoform	ND 1.2	4.8	µg/Kg 1 4/25/2009 02:52 AM
Bromomethane	ND 0.84	4.8	µg/Kg 1 4/25/2009 02:52 AM
Carbon tetrachloride	ND 1.3	4.8	µg/Kg 1 4/25/2009 02:52 AM
Chlorobenzene	ND 0.86	4.8	µg/Kg 1 4/25/2009 02:52 AM
Chloroethane	ND 1.3	4.8	µg/Kg 1 4/25/2009 02:52 AM
Chloroform	ND 0.60	4.8	µg/Kg 1 4/25/2009 02:52 AM
Chloromethane	ND 0.79	4.8	µg/Kg 1 4/25/2009 02:52 AM
cis-1,2-Dichloroethene	ND 1.2	4.8	µg/Kg 1 4/25/2009 02:52 AM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105210
Project: 207126015
Lab ID: 105210-019A

Client Sample ID: 1001-116-30-S
Collection Date: 4/23/2009 10:38:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS5_090424C	QC Batch: T09VS109	PrepDate: 4/24/2009	Analyst: HH
cis-1,3-Dichloropropene	ND 1.2	4.8	µg/Kg 1 4/25/2009 02:52 AM
Dibromochloromethane	ND 0.65	4.8	µg/Kg 1 4/25/2009 02:52 AM
Dibromomethane	ND 1.6	4.8	µg/Kg 1 4/25/2009 02:52 AM
Dichlorodifluoromethane	ND 0.58	4.8	µg/Kg 1 4/25/2009 02:52 AM
Ethylbenzene	ND 0.88	4.8	µg/Kg 1 4/25/2009 02:52 AM
Hexachlorobutadiene	ND 3.3	4.8	µg/Kg 1 4/25/2009 02:52 AM
Isopropylbenzene	ND 1.2	4.8	µg/Kg 1 4/25/2009 02:52 AM
m,p-Xylene	ND 1.6	9.6	µg/Kg 1 4/25/2009 02:52 AM
Methylene chloride	ND 4.8	4.8	µg/Kg 1 4/25/2009 02:52 AM
n-Butylbenzene	ND 1.0	4.8	µg/Kg 1 4/25/2009 02:52 AM
n-Propylbenzene	ND 0.87	4.8	µg/Kg 1 4/25/2009 02:52 AM
Naphthalene	ND 1.6	4.8	µg/Kg 1 4/25/2009 02:52 AM
o-Xylene	ND 0.99	4.8	µg/Kg 1 4/25/2009 02:52 AM
sec-Butylbenzene	ND 0.82	4.8	µg/Kg 1 4/25/2009 02:52 AM
Styrene	ND 0.86	4.8	µg/Kg 1 4/25/2009 02:52 AM
tert-Butylbenzene	ND 0.59	4.8	µg/Kg 1 4/25/2009 02:52 AM
Tetrachloroethene	ND 1.0	4.8	µg/Kg 1 4/25/2009 02:52 AM
Toluene	ND 0.80	4.8	µg/Kg 1 4/25/2009 02:52 AM
trans-1,2-Dichloroethene	ND 0.95	4.8	µg/Kg 1 4/25/2009 02:52 AM
Trichloroethene	ND 1.9	4.8	µg/Kg 1 4/25/2009 02:52 AM
Trichlorofluoromethane	ND 1.1	4.8	µg/Kg 1 4/25/2009 02:52 AM
Vinyl chloride	ND 0.57	4.8	µg/Kg 1 4/25/2009 02:52 AM
Surr: 1,2-Dichloroethane-d4	117 0	68-147	%REC 1 4/25/2009 02:52 AM
Surr: 4-Bromofluorobenzene	94.8 0	67-127	%REC 1 4/25/2009 02:52 AM
Surr: Dibromofluoromethane	113 0	72-141	%REC 1 4/25/2009 02:52 AM
Surr: Toluene-d8	98.5 0	75-120	%REC 1 4/25/2009 02:52 AM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105210
Project: 207126015
Lab ID: 105210-020A

Client Sample ID: 1001-116-35-S
Collection Date: 4/23/2009 10:45:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS5_090424C	QC Batch: T09VS109	PrepDate: 4/24/2009	Analyst: HH
1,1,1,2-Tetrachloroethane	ND 1.5	4.4	µg/Kg 1 4/25/2009 03:11 AM
1,1,1-Trichloroethane	ND 0.56	4.4	µg/Kg 1 4/25/2009 03:11 AM
1,1,2,2-Tetrachloroethane	ND 1.4	4.4	µg/Kg 1 4/25/2009 03:11 AM
1,1,2-Trichloroethane	ND 1.4	4.4	µg/Kg 1 4/25/2009 03:11 AM
1,1-Dichloroethane	ND 0.44	4.4	µg/Kg 1 4/25/2009 03:11 AM
1,1-Dichloroethene	ND 1.1	4.4	µg/Kg 1 4/25/2009 03:11 AM
1,1-Dichloropropene	ND 1.3	4.4	µg/Kg 1 4/25/2009 03:11 AM
1,2,3-Trichlorobenzene	ND 0.90	4.4	µg/Kg 1 4/25/2009 03:11 AM
1,2,3-Trichloropropane	ND 0.65	4.4	µg/Kg 1 4/25/2009 03:11 AM
1,2,4-Trichlorobenzene	ND 1.2	4.4	µg/Kg 1 4/25/2009 03:11 AM
1,2,4-Trimethylbenzene	ND 0.75	4.4	µg/Kg 1 4/25/2009 03:11 AM
1,2-Dibromo-3-chloropropane	ND 1.7	8.7	µg/Kg 1 4/25/2009 03:11 AM
1,2-Dibromoethane	ND 1.3	4.4	µg/Kg 1 4/25/2009 03:11 AM
1,2-Dichlorobenzene	ND 0.72	4.4	µg/Kg 1 4/25/2009 03:11 AM
1,2-Dichloroethane	ND 1.0	4.4	µg/Kg 1 4/25/2009 03:11 AM
1,2-Dichloropropane	ND 1.4	4.4	µg/Kg 1 4/25/2009 03:11 AM
1,3,5-Trimethylbenzene	ND 0.87	4.4	µg/Kg 1 4/25/2009 03:11 AM
1,3-Dichlorobenzene	ND 0.88	4.4	µg/Kg 1 4/25/2009 03:11 AM
1,3-Dichloropropane	ND 0.92	4.4	µg/Kg 1 4/25/2009 03:11 AM
1,4-Dichlorobenzene	ND 1.0	4.4	µg/Kg 1 4/25/2009 03:11 AM
2,2-Dichloropropane	ND 0.76	4.4	µg/Kg 1 4/25/2009 03:11 AM
2-Chlorotoluene	ND 0.57	4.4	µg/Kg 1 4/25/2009 03:11 AM
4-Chlorotoluene	ND 0.59	4.4	µg/Kg 1 4/25/2009 03:11 AM
4-Isopropyltoluene	ND 0.50	4.4	µg/Kg 1 4/25/2009 03:11 AM
Benzene	ND 0.72	4.4	µg/Kg 1 4/25/2009 03:11 AM
Bromobenzene	ND 1.4	4.4	µg/Kg 1 4/25/2009 03:11 AM
Bromodichloromethane	ND 0.74	4.4	µg/Kg 1 4/25/2009 03:11 AM
Bromoform	ND 1.1	4.4	µg/Kg 1 4/25/2009 03:11 AM
Bromomethane	ND 0.76	4.4	µg/Kg 1 4/25/2009 03:11 AM
Carbon tetrachloride	ND 1.2	4.4	µg/Kg 1 4/25/2009 03:11 AM
Chlorobenzene	ND 0.78	4.4	µg/Kg 1 4/25/2009 03:11 AM
Chloroethane	ND 1.1	4.4	µg/Kg 1 4/25/2009 03:11 AM
Chloroform	ND 0.54	4.4	µg/Kg 1 4/25/2009 03:11 AM
Chloromethane	ND 0.71	4.4	µg/Kg 1 4/25/2009 03:11 AM
cis-1,2-Dichloroethene	ND 1.0	4.4	µg/Kg 1 4/25/2009 03:11 AM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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Advanced Technology Laboratories**ANALYTICAL RESULTS**

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105210
Project: 207126015
Lab ID: 105210-020A

Client Sample ID: 1001-116-35-S
Collection Date: 4/23/2009 10:45:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS**EPA 8260B**

RunID: MS5_090424C	QC Batch: T09VS109	PrepDate: 4/24/2009	Analyst: HH
cis-1,3-Dichloropropene	ND 1.1 4.4	µg/Kg 1	4/25/2009 03:11 AM
Dibromochloromethane	ND 0.59 4.4	µg/Kg 1	4/25/2009 03:11 AM
Dibromomethane	ND 1.5 4.4	µg/Kg 1	4/25/2009 03:11 AM
Dichlorodifluoromethane	ND 0.52 4.4	µg/Kg 1	4/25/2009 03:11 AM
Ethylbenzene	ND 0.79 4.4	µg/Kg 1	4/25/2009 03:11 AM
Hexachlorobutadiene	ND 2.9 4.4	µg/Kg 1	4/25/2009 03:11 AM
Isopropylbenzene	ND 1.1 4.4	µg/Kg 1	4/25/2009 03:11 AM
m,p-Xylene	ND 1.5 8.7	µg/Kg 1	4/25/2009 03:11 AM
Methylene chloride	ND 4.4 4.4	µg/Kg 1	4/25/2009 03:11 AM
n-Butylbenzene	ND 0.91 4.4	µg/Kg 1	4/25/2009 03:11 AM
n-Propylbenzene	ND 0.79 4.4	µg/Kg 1	4/25/2009 03:11 AM
Naphthalene	ND 1.5 4.4	µg/Kg 1	4/25/2009 03:11 AM
o-Xylene	ND 0.90 4.4	µg/Kg 1	4/25/2009 03:11 AM
sec-Butylbenzene	ND 0.74 4.4	µg/Kg 1	4/25/2009 03:11 AM
Styrene	ND 0.78 4.4	µg/Kg 1	4/25/2009 03:11 AM
tert-Butylbenzene	ND 0.53 4.4	µg/Kg 1	4/25/2009 03:11 AM
Tetrachloroethene	ND 0.92 4.4	µg/Kg 1	4/25/2009 03:11 AM
Toluene	ND 0.72 4.4	µg/Kg 1	4/25/2009 03:11 AM
trans-1,2-Dichloroethene	ND 0.86 4.4	µg/Kg 1	4/25/2009 03:11 AM
Trichloroethene	ND 1.7 4.4	µg/Kg 1	4/25/2009 03:11 AM
Trichlorofluoromethane	ND 1.0 4.4	µg/Kg 1	4/25/2009 03:11 AM
Vinyl chloride	ND 0.51 4.4	µg/Kg 1	4/25/2009 03:11 AM
Surr: 1,2-Dichloroethane-d4	111 0 68-147	%REC 1	4/25/2009 03:11 AM
Surr: 4-Bromofluorobenzene	94.7 0 67-127	%REC 1	4/25/2009 03:11 AM
Surr: Dibromofluoromethane	110 0 72-141	%REC 1	4/25/2009 03:11 AM
Surr: Toluene-d8	91.8 0 75-120	%REC 1	4/25/2009 03:11 AM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105210
Project: 207126015
Lab ID: 105210-021A

Client Sample ID: 1001-116-40-S
Collection Date: 4/23/2009 10:50:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS5_090424C	QC Batch: T09VS109	PrepDate: 4/24/2009	Analyst: HH
1,1,1,2-Tetrachloroethane	ND 1.4	3.9	µg/Kg 1 4/25/2009 03:31 AM
1,1,1-Trichloroethane	ND 0.51	3.9	µg/Kg 1 4/25/2009 03:31 AM
1,1,2,2-Tetrachloroethane	ND 1.2	3.9	µg/Kg 1 4/25/2009 03:31 AM
1,1,2-Trichloroethane	ND 1.3	3.9	µg/Kg 1 4/25/2009 03:31 AM
1,1-Dichloroethane	ND 0.40	3.9	µg/Kg 1 4/25/2009 03:31 AM
1,1-Dichloroethene	ND 1.0	3.9	µg/Kg 1 4/25/2009 03:31 AM
1,1-Dichloropropene	ND 1.2	3.9	µg/Kg 1 4/25/2009 03:31 AM
1,2,3-Trichlorobenzene	ND 0.81	3.9	µg/Kg 1 4/25/2009 03:31 AM
1,2,3-Trichloropropane	ND 0.59	3.9	µg/Kg 1 4/25/2009 03:31 AM
1,2,4-Trichlorobenzene	ND 1.1	3.9	µg/Kg 1 4/25/2009 03:31 AM
1,2,4-Trimethylbenzene	ND 0.67	3.9	µg/Kg 1 4/25/2009 03:31 AM
1,2-Dibromo-3-chloropropane	ND 1.5	7.8	µg/Kg 1 4/25/2009 03:31 AM
1,2-Dibromoethane	ND 1.1	3.9	µg/Kg 1 4/25/2009 03:31 AM
1,2-Dichlorobenzene	ND 0.65	3.9	µg/Kg 1 4/25/2009 03:31 AM
1,2-Dichloroethane	ND 0.92	3.9	µg/Kg 1 4/25/2009 03:31 AM
1,2-Dichloropropane	ND 1.2	3.9	µg/Kg 1 4/25/2009 03:31 AM
1,3,5-Trimethylbenzene	ND 0.79	3.9	µg/Kg 1 4/25/2009 03:31 AM
1,3-Dichlorobenzene	ND 0.79	3.9	µg/Kg 1 4/25/2009 03:31 AM
1,3-Dichloropropane	ND 0.83	3.9	µg/Kg 1 4/25/2009 03:31 AM
1,4-Dichlorobenzene	ND 0.94	3.9	µg/Kg 1 4/25/2009 03:31 AM
2,2-Dichloropropane	ND 0.68	3.9	µg/Kg 1 4/25/2009 03:31 AM
2-Chlorotoluene	ND 0.52	3.9	µg/Kg 1 4/25/2009 03:31 AM
4-Chlorotoluene	ND 0.53	3.9	µg/Kg 1 4/25/2009 03:31 AM
4-Isopropyltoluene	ND 0.45	3.9	µg/Kg 1 4/25/2009 03:31 AM
Benzene	ND 0.65	3.9	µg/Kg 1 4/25/2009 03:31 AM
Bromobenzene	ND 1.2	3.9	µg/Kg 1 4/25/2009 03:31 AM
Bromodichloromethane	ND 0.67	3.9	µg/Kg 1 4/25/2009 03:31 AM
Bromoform	ND 0.95	3.9	µg/Kg 1 4/25/2009 03:31 AM
Bromomethane	ND 0.69	3.9	µg/Kg 1 4/25/2009 03:31 AM
Carbon tetrachloride	ND 1.0	3.9	µg/Kg 1 4/25/2009 03:31 AM
Chlorobenzene	ND 0.70	3.9	µg/Kg 1 4/25/2009 03:31 AM
Chloroethane	ND 1.0	3.9	µg/Kg 1 4/25/2009 03:31 AM
Chloroform	ND 0.49	3.9	µg/Kg 1 4/25/2009 03:31 AM
Chloromethane	ND 0.64	3.9	µg/Kg 1 4/25/2009 03:31 AM
cis-1,2-Dichloroethene	ND 0.95	3.9	µg/Kg 1 4/25/2009 03:31 AM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



Advanced Technology
Laboratories

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Advanced Technology Laboratories**ANALYTICAL RESULTS**

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105210
Project: 207126015
Lab ID: 105210-021A

Client Sample ID: 1001-116-40-S
Collection Date: 4/23/2009 10:50:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS**EPA 8260B**

RunID: MS5_090424C	QC Batch: T09VS109	PrepDate: 4/24/2009	Analyst: HH
cis-1,3-Dichloropropene	ND 1.0	3.9	µg/Kg 1 4/25/2009 03:31 AM
Dibromochloromethane	ND 0.53	3.9	µg/Kg 1 4/25/2009 03:31 AM
Dibromomethane	ND 1.3	3.9	µg/Kg 1 4/25/2009 03:31 AM
Dichlorodifluoromethane	ND 0.47	3.9	µg/Kg 1 4/25/2009 03:31 AM
Ethylbenzene	ND 0.71	3.9	µg/Kg 1 4/25/2009 03:31 AM
Hexachlorobutadiene	ND 2.7	3.9	µg/Kg 1 4/25/2009 03:31 AM
Isopropylbenzene	ND 0.96	3.9	µg/Kg 1 4/25/2009 03:31 AM
m,p-Xylene	ND 1.3	7.8	µg/Kg 1 4/25/2009 03:31 AM
Methylene chloride	ND 3.9	3.9	µg/Kg 1 4/25/2009 03:31 AM
n-Butylbenzene	ND 0.82	3.9	µg/Kg 1 4/25/2009 03:31 AM
n-Propylbenzene	ND 0.71	3.9	µg/Kg 1 4/25/2009 03:31 AM
Naphthalene	ND 1.3	3.9	µg/Kg 1 4/25/2009 03:31 AM
o-Xylene	ND 0.81	3.9	µg/Kg 1 4/25/2009 03:31 AM
sec-Butylbenzene	ND 0.67	3.9	µg/Kg 1 4/25/2009 03:31 AM
Styrene	ND 0.70	3.9	µg/Kg 1 4/25/2009 03:31 AM
tert-Butylbenzene	ND 0.48	3.9	µg/Kg 1 4/25/2009 03:31 AM
Tetrachloroethene	ND 0.83	3.9	µg/Kg 1 4/25/2009 03:31 AM
Toluene	ND 0.65	3.9	µg/Kg 1 4/25/2009 03:31 AM
trans-1,2-Dichloroethene	ND 0.78	3.9	µg/Kg 1 4/25/2009 03:31 AM
Trichloroethene	ND 1.5	3.9	µg/Kg 1 4/25/2009 03:31 AM
Trichlorofluoromethane	ND 0.91	3.9	µg/Kg 1 4/25/2009 03:31 AM
Vinyl chloride	ND 0.46	3.9	µg/Kg 1 4/25/2009 03:31 AM
Surr: 1,2-Dichloroethane-d4	115 0	68-147	%REC 1 4/25/2009 03:31 AM
Surr: 4-Bromofluorobenzene	95.8 0	67-127	%REC 1 4/25/2009 03:31 AM
Surr: Dibromofluoromethane	115 0	72-141	%REC 1 4/25/2009 03:31 AM
Surr: Toluene-d8	99.7 0	75-120	%REC 1 4/25/2009 03:31 AM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105210
Project: 207126015
Lab ID: 105210-022A

Client Sample ID: 1001-118-2-S
Collection Date: 4/23/2009 1:00:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS5_090427A	QC Batch: T09VS110	PrepDate: 4/27/2009	Analyst: HH
1,1,1,2-Tetrachloroethane	ND 2.1	6.2	µg/Kg 1 4/27/2009 12:43 PM
1,1,1-Trichloroethane	ND 0.79	6.2	µg/Kg 1 4/27/2009 12:43 PM
1,1,2,2-Tetrachloroethane	ND 1.9	6.2	µg/Kg 1 4/27/2009 12:43 PM
1,1,2-Trichloroethane	ND 2.0	6.2	µg/Kg 1 4/27/2009 12:43 PM
1,1-Dichloroethane	ND 0.62	6.2	µg/Kg 1 4/27/2009 12:43 PM
1,1-Dichloroethene	ND 1.6	6.2	µg/Kg 1 4/27/2009 12:43 PM
1,1-Dichloropropene	ND 1.9	6.2	µg/Kg 1 4/27/2009 12:43 PM
1,2,3-Trichlorobenzene	ND 1.3	6.2	µg/Kg 1 4/27/2009 12:43 PM
1,2,3-Trichloropropane	ND 0.92	6.2	µg/Kg 1 4/27/2009 12:43 PM
1,2,4-Trichlorobenzene	ND 1.7	6.2	µg/Kg 1 4/27/2009 12:43 PM
1,2,4-Trimethylbenzene	ND 1.1	6.2	µg/Kg 1 4/27/2009 12:43 PM
1,2-Dibromo-3-chloropropane	ND 2.4	12	µg/Kg 1 4/27/2009 12:43 PM
1,2-Dibromoethane	ND 1.8	6.2	µg/Kg 1 4/27/2009 12:43 PM
1,2-Dichlorobenzene	ND 1.0	6.2	µg/Kg 1 4/27/2009 12:43 PM
1,2-Dichloroethane	ND 1.4	6.2	µg/Kg 1 4/27/2009 12:43 PM
1,2-Dichloropropane	ND 1.9	6.2	µg/Kg 1 4/27/2009 12:43 PM
1,3,5-Trimethylbenzene	ND 1.2	6.2	µg/Kg 1 4/27/2009 12:43 PM
1,3-Dichlorobenzene	ND 1.2	6.2	µg/Kg 1 4/27/2009 12:43 PM
1,3-Dichloropropane	ND 1.3	6.2	µg/Kg 1 4/27/2009 12:43 PM
1,4-Dichlorobenzene	ND 1.5	6.2	µg/Kg 1 4/27/2009 12:43 PM
2,2-Dichloropropane	ND 1.1	6.2	µg/Kg 1 4/27/2009 12:43 PM
2-Chlorotoluene	ND 0.81	6.2	µg/Kg 1 4/27/2009 12:43 PM
4-Chlorotoluene	ND 0.83	6.2	µg/Kg 1 4/27/2009 12:43 PM
4-Isopropyltoluene	ND 0.70	6.2	µg/Kg 1 4/27/2009 12:43 PM
Benzene	ND 1.0	6.2	µg/Kg 1 4/27/2009 12:43 PM
Bromobenzene	ND 1.9	6.2	µg/Kg 1 4/27/2009 12:43 PM
Bromodichloromethane	ND 1.1	6.2	µg/Kg 1 4/27/2009 12:43 PM
Bromoform	ND 1.5	6.2	µg/Kg 1 4/27/2009 12:43 PM
Bromomethane	ND 1.1	6.2	µg/Kg 1 4/27/2009 12:43 PM
Carbon tetrachloride	ND 1.6	6.2	µg/Kg 1 4/27/2009 12:43 PM
Chlorobenzene	ND 1.1	6.2	µg/Kg 1 4/27/2009 12:43 PM
Chloroethane	ND 1.6	6.2	µg/Kg 1 4/27/2009 12:43 PM
Chloroform	ND 0.76	6.2	µg/Kg 1 4/27/2009 12:43 PM
Chloromethane	ND 1.0	6.2	µg/Kg 1 4/27/2009 12:43 PM
cis-1,2-Dichloroethene	ND 1.5	6.2	µg/Kg 1 4/27/2009 12:43 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105210
Project: 207126015
Lab ID: 105210-022A

Client Sample ID: 1001-118-2-S
Collection Date: 4/23/2009 1:00:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS5_090427A	QC Batch: T09VS110	PrepDate: 4/27/2009	Analyst: HH			
cis-1,3-Dichloropropene	ND	1.6	6.2	µg/Kg	1	4/27/2009 12:43 PM
Dibromochloromethane	ND	0.84	6.2	µg/Kg	1	4/27/2009 12:43 PM
Dibromomethane	ND	2.1	6.2	µg/Kg	1	4/27/2009 12:43 PM
Dichlorodifluoromethane	ND	0.74	6.2	µg/Kg	1	4/27/2009 12:43 PM
Ethylbenzene	ND	1.1	6.2	µg/Kg	1	4/27/2009 12:43 PM
Hexachlorobutadiene	ND	4.2	6.2	µg/Kg	1	4/27/2009 12:43 PM
Isopropylbenzene	ND	1.5	6.2	µg/Kg	1	4/27/2009 12:43 PM
m,p-Xylene	ND	2.1	12	µg/Kg	1	4/27/2009 12:43 PM
Methylene chloride	ND	6.2	6.2	µg/Kg	1	4/27/2009 12:43 PM
n-Butylbenzene	ND	1.3	6.2	µg/Kg	1	4/27/2009 12:43 PM
n-Propylbenzene	ND	1.1	6.2	µg/Kg	1	4/27/2009 12:43 PM
Naphthalene	ND	2.1	6.2	µg/Kg	1	4/27/2009 12:43 PM
o-Xylene	ND	1.3	6.2	µg/Kg	1	4/27/2009 12:43 PM
sec-Butylbenzene	ND	1.1	6.2	µg/Kg	1	4/27/2009 12:43 PM
Styrene	ND	1.1	6.2	µg/Kg	1	4/27/2009 12:43 PM
tert-Butylbenzene	ND	0.75	6.2	µg/Kg	1	4/27/2009 12:43 PM
Tetrachloroethene	19	1.3	6.2	µg/Kg	1	4/27/2009 12:43 PM
Toluene	ND	1.0	6.2	µg/Kg	1	4/27/2009 12:43 PM
trans-1,2-Dichloroethene	ND	1.2	6.2	µg/Kg	1	4/27/2009 12:43 PM
Trichloroethene	ND	2.4	6.2	µg/Kg	1	4/27/2009 12:43 PM
Trichlorofluoromethane	ND	1.4	6.2	µg/Kg	1	4/27/2009 12:43 PM
Vinyl chloride	ND	0.73	6.2	µg/Kg	1	4/27/2009 12:43 PM
Surr: 1,2-Dichloroethane-d4	108	0	68-147	%REC	1	4/27/2009 12:43 PM
Surr: 4-Bromofluorobenzene	90.9	0	67-127	%REC	1	4/27/2009 12:43 PM
Surr: Dibromofluoromethane	110	0	72-141	%REC	1	4/27/2009 12:43 PM
Surr: Toluene-d8	111	0	75-120	%REC	1	4/27/2009 12:43 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105210
Project: 207126015
Lab ID: 105210-023A

Client Sample ID: 1001-118-5-S
Collection Date: 4/23/2009 1:05:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS5_090427A	QC Batch: T09VS110	PrepDate: 4/27/2009	Analyst: HH
1,1,1,2-Tetrachloroethane	ND 1.7	4.9	µg/Kg 1 4/27/2009 01:03 PM
1,1,1-Trichloroethane	ND 0.63	4.9	µg/Kg 1 4/27/2009 01:03 PM
1,1,2,2-Tetrachloroethane	ND 1.5	4.9	µg/Kg 1 4/27/2009 01:03 PM
1,1,2-Trichloroethane	ND 1.6	4.9	µg/Kg 1 4/27/2009 01:03 PM
1,1-Dichloroethane	ND 0.49	4.9	µg/Kg 1 4/27/2009 01:03 PM
1,1-Dichloroethene	ND 1.2	4.9	µg/Kg 1 4/27/2009 01:03 PM
1,1-Dichloropropene	ND 1.5	4.9	µg/Kg 1 4/27/2009 01:03 PM
1,2,3-Trichlorobenzene	ND 1.0	4.9	µg/Kg 1 4/27/2009 01:03 PM
1,2,3-Trichloropropane	ND 0.73	4.9	µg/Kg 1 4/27/2009 01:03 PM
1,2,4-Trichlorobenzene	ND 1.3	4.9	µg/Kg 1 4/27/2009 01:03 PM
1,2,4-Trimethylbenzene	ND 0.84	4.9	µg/Kg 1 4/27/2009 01:03 PM
1,2-Dibromo-3-chloropropane	ND 1.9	9.8	µg/Kg 1 4/27/2009 01:03 PM
1,2-Dibromoethane	ND 1.4	4.9	µg/Kg 1 4/27/2009 01:03 PM
1,2-Dichlorobenzene	ND 0.81	4.9	µg/Kg 1 4/27/2009 01:03 PM
1,2-Dichloroethane	ND 1.1	4.9	µg/Kg 1 4/27/2009 01:03 PM
1,2-Dichloropropane	ND 1.5	4.9	µg/Kg 1 4/27/2009 01:03 PM
1,3,5-Trimethylbenzene	ND 0.98	4.9	µg/Kg 1 4/27/2009 01:03 PM
1,3-Dichlorobenzene	ND 0.99	4.9	µg/Kg 1 4/27/2009 01:03 PM
1,3-Dichloropropane	ND 1.0	4.9	µg/Kg 1 4/27/2009 01:03 PM
1,4-Dichlorobenzene	ND 1.2	4.9	µg/Kg 1 4/27/2009 01:03 PM
2,2-Dichloropropane	ND 0.85	4.9	µg/Kg 1 4/27/2009 01:03 PM
2-Chlorotoluene	ND 0.64	4.9	µg/Kg 1 4/27/2009 01:03 PM
4-Chlorotoluene	ND 0.66	4.9	µg/Kg 1 4/27/2009 01:03 PM
4-Isopropyltoluene	ND 0.56	4.9	µg/Kg 1 4/27/2009 01:03 PM
Benzene	ND 0.80	4.9	µg/Kg 1 4/27/2009 01:03 PM
Bromobenzene	ND 1.5	4.9	µg/Kg 1 4/27/2009 01:03 PM
Bromodichloromethane	ND 0.84	4.9	µg/Kg 1 4/27/2009 01:03 PM
Bromoform	ND 1.2	4.9	µg/Kg 1 4/27/2009 01:03 PM
Bromomethane	ND 0.86	4.9	µg/Kg 1 4/27/2009 01:03 PM
Carbon tetrachloride	ND 1.3	4.9	µg/Kg 1 4/27/2009 01:03 PM
Chlorobenzene	ND 0.88	4.9	µg/Kg 1 4/27/2009 01:03 PM
Chloroethane	ND 1.3	4.9	µg/Kg 1 4/27/2009 01:03 PM
Chloroform	ND 0.61	4.9	µg/Kg 1 4/27/2009 01:03 PM
Chloromethane	ND 0.80	4.9	µg/Kg 1 4/27/2009 01:03 PM
cis-1,2-Dichloroethene	ND 1.2	4.9	µg/Kg 1 4/27/2009 01:03 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105210
Project: 207126015
Lab ID: 105210-023A

Client Sample ID: 1001-118-5-S
Collection Date: 4/23/2009 1:05:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS5_090427A	QC Batch: T09VS110	PrepDate: 4/27/2009	Analyst: HH
cis-1,3-Dichloropropene	ND 1.2	4.9	µg/Kg 1 4/27/2009 01:03 PM
Dibromochloromethane	ND 0.67	4.9	µg/Kg 1 4/27/2009 01:03 PM
Dibromomethane	ND 1.7	4.9	µg/Kg 1 4/27/2009 01:03 PM
Dichlorodifluoromethane	ND 0.59	4.9	µg/Kg 1 4/27/2009 01:03 PM
Ethylbenzene	ND 0.89	4.9	µg/Kg 1 4/27/2009 01:03 PM
Hexachlorobutadiene	ND 3.3	4.9	µg/Kg 1 4/27/2009 01:03 PM
Isopropylbenzene	ND 1.2	4.9	µg/Kg 1 4/27/2009 01:03 PM
m,p-Xylene	ND 1.6	9.8	µg/Kg 1 4/27/2009 01:03 PM
Methylene chloride	ND 4.9	4.9	µg/Kg 1 4/27/2009 01:03 PM
n-Butylbenzene	ND 1.0	4.9	µg/Kg 1 4/27/2009 01:03 PM
n-Propylbenzene	ND 0.88	4.9	µg/Kg 1 4/27/2009 01:03 PM
Naphthalene	ND 1.6	4.9	µg/Kg 1 4/27/2009 01:03 PM
o-Xylene	ND 1.0	4.9	µg/Kg 1 4/27/2009 01:03 PM
sec-Butylbenzene	ND 0.83	4.9	µg/Kg 1 4/27/2009 01:03 PM
Styrene	ND 0.88	4.9	µg/Kg 1 4/27/2009 01:03 PM
tert-Butylbenzene	ND 0.60	4.9	µg/Kg 1 4/27/2009 01:03 PM
Tetrachloroethene	ND 1.0	4.9	µg/Kg 1 4/27/2009 01:03 PM
Toluene	ND 0.81	4.9	µg/Kg 1 4/27/2009 01:03 PM
trans-1,2-Dichloroethene	ND 0.97	4.9	µg/Kg 1 4/27/2009 01:03 PM
Trichloroethene	ND 1.9	4.9	µg/Kg 1 4/27/2009 01:03 PM
Trichlorofluoromethane	ND 1.1	4.9	µg/Kg 1 4/27/2009 01:03 PM
Vinyl chloride	ND 0.58	4.9	µg/Kg 1 4/27/2009 01:03 PM
Surr: 1,2-Dichloroethane-d4	110 0	68-147	%REC 1 4/27/2009 01:03 PM
Surr: 4-Bromofluorobenzene	96.0 0	67-127	%REC 1 4/27/2009 01:03 PM
Surr: Dibromofluoromethane	112 0	72-141	%REC 1 4/27/2009 01:03 PM
Surr: Toluene-d8	115 0	75-120	%REC 1 4/27/2009 01:03 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105210
Project: 207126015
Lab ID: 105210-024A

Client Sample ID: 1001-118-10-S
Collection Date: 4/23/2009 1:10:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS5_090427A	QC Batch: T09VS110	PrepDate: 4/27/2009	Analyst: HH
1,1,1,2-Tetrachloroethane	ND 2.4	6.8	µg/Kg 1 4/27/2009 01:23 PM
1,1,1-Trichloroethane	ND 0.88	6.8	µg/Kg 1 4/27/2009 01:23 PM
1,1,2,2-Tetrachloroethane	ND 2.1	6.8	µg/Kg 1 4/27/2009 01:23 PM
1,1,2-Trichloroethane	ND 2.2	6.8	µg/Kg 1 4/27/2009 01:23 PM
1,1-Dichloroethane	ND 0.69	6.8	µg/Kg 1 4/27/2009 01:23 PM
1,1-Dichloroethene	ND 1.7	6.8	µg/Kg 1 4/27/2009 01:23 PM
1,1-Dichloropropene	ND 2.1	6.8	µg/Kg 1 4/27/2009 01:23 PM
1,2,3-Trichlorobenzene	ND 1.4	6.8	µg/Kg 1 4/27/2009 01:23 PM
1,2,3-Trichloropropane	ND 1.0	6.8	µg/Kg 1 4/27/2009 01:23 PM
1,2,4-Trichlorobenzene	ND 1.8	6.8	µg/Kg 1 4/27/2009 01:23 PM
1,2,4-Trimethylbenzene	ND 1.2	6.8	µg/Kg 1 4/27/2009 01:23 PM
1,2-Dibromo-3-chloropropane	ND 2.6	14	µg/Kg 1 4/27/2009 01:23 PM
1,2-Dibromoethane	ND 2.0	6.8	µg/Kg 1 4/27/2009 01:23 PM
1,2-Dichlorobenzene	ND 1.1	6.8	µg/Kg 1 4/27/2009 01:23 PM
1,2-Dichloroethane	ND 1.6	6.8	µg/Kg 1 4/27/2009 01:23 PM
1,2-Dichloropropane	ND 2.1	6.8	µg/Kg 1 4/27/2009 01:23 PM
1,3,5-Trimethylbenzene	ND 1.4	6.8	µg/Kg 1 4/27/2009 01:23 PM
1,3-Dichlorobenzene	ND 1.4	6.8	µg/Kg 1 4/27/2009 01:23 PM
1,3-Dichloropropane	ND 1.4	6.8	µg/Kg 1 4/27/2009 01:23 PM
1,4-Dichlorobenzene	ND 1.6	6.8	µg/Kg 1 4/27/2009 01:23 PM
2,2-Dichloropropane	ND 1.2	6.8	µg/Kg 1 4/27/2009 01:23 PM
2-Chlorotoluene	ND 0.90	6.8	µg/Kg 1 4/27/2009 01:23 PM
4-Chlorotoluene	ND 0.92	6.8	µg/Kg 1 4/27/2009 01:23 PM
4-Isopropyltoluene	ND 0.78	6.8	µg/Kg 1 4/27/2009 01:23 PM
Benzene	ND 1.1	6.8	µg/Kg 1 4/27/2009 01:23 PM
Bromobenzene	ND 2.1	6.8	µg/Kg 1 4/27/2009 01:23 PM
Bromodichloromethane	ND 1.2	6.8	µg/Kg 1 4/27/2009 01:23 PM
Bromoform	ND 1.6	6.8	µg/Kg 1 4/27/2009 01:23 PM
Bromomethane	ND 1.2	6.8	µg/Kg 1 4/27/2009 01:23 PM
Carbon tetrachloride	ND 1.8	6.8	µg/Kg 1 4/27/2009 01:23 PM
Chlorobenzene	ND 1.2	6.8	µg/Kg 1 4/27/2009 01:23 PM
Chloroethane	ND 1.8	6.8	µg/Kg 1 4/27/2009 01:23 PM
Chloroform	ND 0.84	6.8	µg/Kg 1 4/27/2009 01:23 PM
Chloromethane	ND 1.1	6.8	µg/Kg 1 4/27/2009 01:23 PM
cis-1,2-Dichloroethene	ND 1.6	6.8	µg/Kg 1 4/27/2009 01:23 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105210
Project: 207126015
Lab ID: 105210-024A

Client Sample ID: 1001-118-10-S
Collection Date: 4/23/2009 1:10:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS5_090427A	QC Batch: T09VS110	PrepDate: 4/27/2009	Analyst: HH			
cis-1,3-Dichloropropene	ND	1.7	6.8	µg/Kg	1	4/27/2009 01:23 PM
Dibromochloromethane	ND	0.93	6.8	µg/Kg	1	4/27/2009 01:23 PM
Dibromomethane	ND	2.3	6.8	µg/Kg	1	4/27/2009 01:23 PM
Dichlorodifluoromethane	ND	0.82	6.8	µg/Kg	1	4/27/2009 01:23 PM
Ethylbenzene	ND	1.2	6.8	µg/Kg	1	4/27/2009 01:23 PM
Hexachlorobutadiene	ND	4.6	6.8	µg/Kg	1	4/27/2009 01:23 PM
Isopropylbenzene	ND	1.7	6.8	µg/Kg	1	4/27/2009 01:23 PM
m,p-Xylene	ND	2.3	14	µg/Kg	1	4/27/2009 01:23 PM
Methylene chloride	ND	6.8	6.8	µg/Kg	1	4/27/2009 01:23 PM
n-Butylbenzene	ND	1.4	6.8	µg/Kg	1	4/27/2009 01:23 PM
n-Propylbenzene	ND	1.2	6.8	µg/Kg	1	4/27/2009 01:23 PM
Naphthalene	ND	2.3	6.8	µg/Kg	1	4/27/2009 01:23 PM
o-Xylene	ND	1.4	6.8	µg/Kg	1	4/27/2009 01:23 PM
sec-Butylbenzene	ND	1.2	6.8	µg/Kg	1	4/27/2009 01:23 PM
Styrene	ND	1.2	6.8	µg/Kg	1	4/27/2009 01:23 PM
tert-Butylbenzene	ND	0.83	6.8	µg/Kg	1	4/27/2009 01:23 PM
Tetrachloroethene	ND	1.4	6.8	µg/Kg	1	4/27/2009 01:23 PM
Toluene	ND	1.1	6.8	µg/Kg	1	4/27/2009 01:23 PM
trans-1,2-Dichloroethene	ND	1.3	6.8	µg/Kg	1	4/27/2009 01:23 PM
Trichloroethene	ND	2.7	6.8	µg/Kg	1	4/27/2009 01:23 PM
Trichlorofluoromethane	ND	1.6	6.8	µg/Kg	1	4/27/2009 01:23 PM
Vinyl chloride	ND	0.80	6.8	µg/Kg	1	4/27/2009 01:23 PM
Surr: 1,2-Dichloroethane-d4	110	0	68-147	%REC	1	4/27/2009 01:23 PM
Surr: 4-Bromofluorobenzene	97.4	0	67-127	%REC	1	4/27/2009 01:23 PM
Surr: Dibromofluoromethane	110	0	72-141	%REC	1	4/27/2009 01:23 PM
Surr: Toluene-d8	111	0	75-120	%REC	1	4/27/2009 01:23 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105210
Project: 207126015
Lab ID: 105210-025A

Client Sample ID: 1001-118-20-S
Collection Date: 4/23/2009 1:15:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS5_090427A	QC Batch: T09VS110	PrepDate: 4/27/2009	Analyst: HH
1,1,1,2-Tetrachloroethane	ND	1.6	4.8
1,1,1-Trichloroethane	ND	0.61	4.8
1,1,2,2-Tetrachloroethane	ND	1.5	4.8
1,1,2-Trichloroethane	ND	1.6	4.8
1,1-Dichloroethane	ND	0.48	4.8
1,1-Dichloroethene	ND	1.2	4.8
1,1-Dichloropropene	ND	1.4	4.8
1,2,3-Trichlorobenzene	ND	0.99	4.8
1,2,3-Trichloropropane	ND	0.71	4.8
1,2,4-Trichlorobenzene	ND	1.3	4.8
1,2,4-Trimethylbenzene	ND	0.82	4.8
1,2-Dibromo-3-chloropropane	ND	1.8	9.5
1,2-Dibromoethane	ND	1.4	4.8
1,2-Dichlorobenzene	ND	0.79	4.8
1,2-Dichloroethane	ND	1.1	4.8
1,2-Dichloropropane	ND	1.5	4.8
1,3,5-Trimethylbenzene	ND	0.95	4.8
1,3-Dichlorobenzene	ND	0.96	4.8
1,3-Dichloropropane	ND	1.0	4.8
1,4-Dichlorobenzene	ND	1.1	4.8
2,2-Dichloropropane	ND	0.83	4.8
2-Chlorotoluene	ND	0.63	4.8
4-Chlorotoluene	ND	0.64	4.8
4-Isopropyltoluene	ND	0.54	4.8
Benzene	ND	0.78	4.8
Bromobenzene	ND	1.5	4.8
Bromodichloromethane	ND	0.81	4.8
Bromoform	ND	1.2	4.8
Bromomethane	ND	0.83	4.8
Carbon tetrachloride	ND	1.3	4.8
Chlorobenzene	ND	0.85	4.8
Chloroethane	ND	1.3	4.8
Chloroform	ND	0.59	4.8
Chloromethane	ND	0.78	4.8
cis-1,2-Dichloroethene	ND	1.1	4.8

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105210
Project: 207126015
Lab ID: 105210-025A

Client Sample ID: 1001-118-20-S
Collection Date: 4/23/2009 1:15:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS5_090427A	QC Batch: T09VS110	PrepDate: 4/27/2009	Analyst: HH
cis-1,3-Dichloropropene	ND 1.2	4.8	µg/Kg 1 4/27/2009 01:42 PM
Dibromochloromethane	ND 0.65	4.8	µg/Kg 1 4/27/2009 01:42 PM
Dibromomethane	ND 1.6	4.8	µg/Kg 1 4/27/2009 01:42 PM
Dichlorodifluoromethane	ND 0.57	4.8	µg/Kg 1 4/27/2009 01:42 PM
Ethylbenzene	ND 0.87	4.8	µg/Kg 1 4/27/2009 01:42 PM
Hexachlorobutadiene	ND 3.2	4.8	µg/Kg 1 4/27/2009 01:42 PM
Isopropylbenzene	ND 1.2	4.8	µg/Kg 1 4/27/2009 01:42 PM
m,p-Xylene	ND 1.6	9.5	µg/Kg 1 4/27/2009 01:42 PM
Methylene chloride	ND 4.8	4.8	µg/Kg 1 4/27/2009 01:42 PM
n-Butylbenzene	ND 0.99	4.8	µg/Kg 1 4/27/2009 01:42 PM
n-Propylbenzene	ND 0.86	4.8	µg/Kg 1 4/27/2009 01:42 PM
Naphthalene	ND 1.6	4.8	µg/Kg 1 4/27/2009 01:42 PM
o-Xylene	ND 0.98	4.8	µg/Kg 1 4/27/2009 01:42 PM
sec-Butylbenzene	ND 0.81	4.8	µg/Kg 1 4/27/2009 01:42 PM
Styrene	ND 0.85	4.8	µg/Kg 1 4/27/2009 01:42 PM
tert-Butylbenzene	ND 0.58	4.8	µg/Kg 1 4/27/2009 01:42 PM
Tetrachloroethene	ND 1.0	4.8	µg/Kg 1 4/27/2009 01:42 PM
Toluene	ND 0.79	4.8	µg/Kg 1 4/27/2009 01:42 PM
trans-1,2-Dichloroethene	ND 0.94	4.8	µg/Kg 1 4/27/2009 01:42 PM
Trichloroethene	ND 1.9	4.8	µg/Kg 1 4/27/2009 01:42 PM
Trichlorofluoromethane	ND 1.1	4.8	µg/Kg 1 4/27/2009 01:42 PM
Vinyl chloride	ND 0.56	4.8	µg/Kg 1 4/27/2009 01:42 PM
Surr: 1,2-Dichloroethane-d4	112 0	68-147	%REC 1 4/27/2009 01:42 PM
Surr: 4-Bromofluorobenzene	91.6 0	67-127	%REC 1 4/27/2009 01:42 PM
Surr: Dibromofluoromethane	112 0	72-141	%REC 1 4/27/2009 01:42 PM
Surr: Toluene-d8	111 0	75-120	%REC 1 4/27/2009 01:42 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105210
Project: 207126015
Lab ID: 105210-026A

Client Sample ID: 1001-118-25-S
Collection Date: 4/23/2009 1:20:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS5_090427B	QC Batch: T09VS111	PrepDate: 4/27/2009	Analyst: HH
1,1,1,2-Tetrachloroethane	ND 1.5	4.4	µg/Kg 1 4/27/2009 05:56 PM
1,1,1-Trichloroethane	ND 0.57	4.4	µg/Kg 1 4/27/2009 05:56 PM
1,1,2,2-Tetrachloroethane	ND 1.4	4.4	µg/Kg 1 4/27/2009 05:56 PM
1,1,2-Trichloroethane	ND 1.5	4.4	µg/Kg 1 4/27/2009 05:56 PM
1,1-Dichloroethane	ND 0.45	4.4	µg/Kg 1 4/27/2009 05:56 PM
1,1-Dichloroethene	ND 1.1	4.4	µg/Kg 1 4/27/2009 05:56 PM
1,1-Dichloropropene	ND 1.3	4.4	µg/Kg 1 4/27/2009 05:56 PM
1,2,3-Trichlorobenzene	ND 0.92	4.4	µg/Kg 1 4/27/2009 05:56 PM
1,2,3-Trichloropropane	ND 0.66	4.4	µg/Kg 1 4/27/2009 05:56 PM
1,2,4-Trichlorobenzene	ND 1.2	4.4	µg/Kg 1 4/27/2009 05:56 PM
1,2,4-Trimethylbenzene	ND 0.76	4.4	µg/Kg 1 4/27/2009 05:56 PM
1,2-Dibromo-3-chloropropane	ND 1.7	8.8	µg/Kg 1 4/27/2009 05:56 PM
1,2-Dibromoethane	ND 1.3	4.4	µg/Kg 1 4/27/2009 05:56 PM
1,2-Dichlorobenzene	ND 0.73	4.4	µg/Kg 1 4/27/2009 05:56 PM
1,2-Dichloroethane	ND 1.0	4.4	µg/Kg 1 4/27/2009 05:56 PM
1,2-Dichloropropane	ND 1.4	4.4	µg/Kg 1 4/27/2009 05:56 PM
1,3,5-Trimethylbenzene	ND 0.89	4.4	µg/Kg 1 4/27/2009 05:56 PM
1,3-Dichlorobenzene	ND 0.89	4.4	µg/Kg 1 4/27/2009 05:56 PM
1,3-Dichloropropane	ND 0.93	4.4	µg/Kg 1 4/27/2009 05:56 PM
1,4-Dichlorobenzene	ND 1.1	4.4	µg/Kg 1 4/27/2009 05:56 PM
2,2-Dichloropropane	ND 0.77	4.4	µg/Kg 1 4/27/2009 05:56 PM
2-Chlorotoluene	ND 0.58	4.4	µg/Kg 1 4/27/2009 05:56 PM
4-Chlorotoluene	ND 0.60	4.4	µg/Kg 1 4/27/2009 05:56 PM
4-Isopropyltoluene	ND 0.51	4.4	µg/Kg 1 4/27/2009 05:56 PM
Benzene	ND 0.73	4.4	µg/Kg 1 4/27/2009 05:56 PM
Bromobenzene	ND 1.4	4.4	µg/Kg 1 4/27/2009 05:56 PM
Bromodichloromethane	ND 0.75	4.4	µg/Kg 1 4/27/2009 05:56 PM
Bromoform	ND 1.1	4.4	µg/Kg 1 4/27/2009 05:56 PM
Bromomethane	ND 0.77	4.4	µg/Kg 1 4/27/2009 05:56 PM
Carbon tetrachloride	ND 1.2	4.4	µg/Kg 1 4/27/2009 05:56 PM
Chlorobenzene	ND 0.79	4.4	µg/Kg 1 4/27/2009 05:56 PM
Chloroethane	ND 1.2	4.4	µg/Kg 1 4/27/2009 05:56 PM
Chloroform	ND 0.55	4.4	µg/Kg 1 4/27/2009 05:56 PM
Chloromethane	ND 0.72	4.4	µg/Kg 1 4/27/2009 05:56 PM
cis-1,2-Dichloroethene	ND 1.1	4.4	µg/Kg 1 4/27/2009 05:56 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105210
Project: 207126015
Lab ID: 105210-026A

Client Sample ID: 1001-118-25-S
Collection Date: 4/23/2009 1:20:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS5_090427B	QC Batch: T09VS111	PrepDate: 4/27/2009	Analyst: HH
cis-1,3-Dichloropropene	ND 1.1	4.4	µg/Kg 1 4/27/2009 05:56 PM
Dibromochloromethane	ND 0.60	4.4	µg/Kg 1 4/27/2009 05:56 PM
Dibromomethane	ND 1.5	4.4	µg/Kg 1 4/27/2009 05:56 PM
Dichlorodifluoromethane	ND 0.53	4.4	µg/Kg 1 4/27/2009 05:56 PM
Ethylbenzene	ND 0.80	4.4	µg/Kg 1 4/27/2009 05:56 PM
Hexachlorobutadiene	ND 3.0	4.4	µg/Kg 1 4/27/2009 05:56 PM
Isopropylbenzene	ND 1.1	4.4	µg/Kg 1 4/27/2009 05:56 PM
m,p-Xylene	ND 1.5	8.8	µg/Kg 1 4/27/2009 05:56 PM
Methylene chloride	ND 4.4	4.4	µg/Kg 1 4/27/2009 05:56 PM
n-Butylbenzene	ND 0.92	4.4	µg/Kg 1 4/27/2009 05:56 PM
n-Propylbenzene	ND 0.80	4.4	µg/Kg 1 4/27/2009 05:56 PM
Naphthalene	ND 1.5	4.4	µg/Kg 1 4/27/2009 05:56 PM
o-Xylene	ND 0.91	4.4	µg/Kg 1 4/27/2009 05:56 PM
sec-Butylbenzene	ND 0.75	4.4	µg/Kg 1 4/27/2009 05:56 PM
Styrene	ND 0.79	4.4	µg/Kg 1 4/27/2009 05:56 PM
tert-Butylbenzene	ND 0.54	4.4	µg/Kg 1 4/27/2009 05:56 PM
Tetrachloroethene	ND 0.93	4.4	µg/Kg 1 4/27/2009 05:56 PM
Toluene	ND 0.73	4.4	µg/Kg 1 4/27/2009 05:56 PM
trans-1,2-Dichloroethene	ND 0.88	4.4	µg/Kg 1 4/27/2009 05:56 PM
Trichloroethene	ND 1.7	4.4	µg/Kg 1 4/27/2009 05:56 PM
Trichlorofluoromethane	ND 1.0	4.4	µg/Kg 1 4/27/2009 05:56 PM
Vinyl chloride	ND 0.52	4.4	µg/Kg 1 4/27/2009 05:56 PM
Surr: 1,2-Dichloroethane-d4	108 0	68-147	%REC 1 4/27/2009 05:56 PM
Surr: 4-Bromofluorobenzene	97.9 0	67-127	%REC 1 4/27/2009 05:56 PM
Surr: Dibromofluoromethane	111 0	72-141	%REC 1 4/27/2009 05:56 PM
Surr: Toluene-d8	106 0	75-120	%REC 1 4/27/2009 05:56 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105210
Project: 207126015
Lab ID: 105210-027A

Client Sample ID: 1001-118-30-S
Collection Date: 4/23/2009 1:25:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS5_090427B	QC Batch: T09VS111	PrepDate: 4/27/2009	Analyst: HH
1,1,1,2-Tetrachloroethane	ND 1.4	4.2	µg/Kg 1 4/27/2009 06:16 PM
1,1,1-Trichloroethane	ND 0.54	4.2	µg/Kg 1 4/27/2009 06:16 PM
1,1,2,2-Tetrachloroethane	ND 1.3	4.2	µg/Kg 1 4/27/2009 06:16 PM
1,1,2-Trichloroethane	ND 1.4	4.2	µg/Kg 1 4/27/2009 06:16 PM
1,1-Dichloroethane	ND 0.42	4.2	µg/Kg 1 4/27/2009 06:16 PM
1,1-Dichloroethene	ND 1.1	4.2	µg/Kg 1 4/27/2009 06:16 PM
1,1-Dichloropropene	ND 1.3	4.2	µg/Kg 1 4/27/2009 06:16 PM
1,2,3-Trichlorobenzene	ND 0.86	4.2	µg/Kg 1 4/27/2009 06:16 PM
1,2,3-Trichloropropane	ND 0.62	4.2	µg/Kg 1 4/27/2009 06:16 PM
1,2,4-Trichlorobenzene	ND 1.1	4.2	µg/Kg 1 4/27/2009 06:16 PM
1,2,4-Trimethylbenzene	ND 0.72	4.2	µg/Kg 1 4/27/2009 06:16 PM
1,2-Dibromo-3-chloropropane	ND 1.6	8.3	µg/Kg 1 4/27/2009 06:16 PM
1,2-Dibromoethane	ND 1.2	4.2	µg/Kg 1 4/27/2009 06:16 PM
1,2-Dichlorobenzene	ND 0.69	4.2	µg/Kg 1 4/27/2009 06:16 PM
1,2-Dichloroethane	ND 0.98	4.2	µg/Kg 1 4/27/2009 06:16 PM
1,2-Dichloropropane	ND 1.3	4.2	µg/Kg 1 4/27/2009 06:16 PM
1,3,5-Trimethylbenzene	ND 0.84	4.2	µg/Kg 1 4/27/2009 06:16 PM
1,3-Dichlorobenzene	ND 0.84	4.2	µg/Kg 1 4/27/2009 06:16 PM
1,3-Dichloropropane	ND 0.88	4.2	µg/Kg 1 4/27/2009 06:16 PM
1,4-Dichlorobenzene	ND 1.0	4.2	µg/Kg 1 4/27/2009 06:16 PM
2,2-Dichloropropane	ND 0.73	4.2	µg/Kg 1 4/27/2009 06:16 PM
2-Chlorotoluene	ND 0.55	4.2	µg/Kg 1 4/27/2009 06:16 PM
4-Chlorotoluene	ND 0.56	4.2	µg/Kg 1 4/27/2009 06:16 PM
4-Isopropyltoluene	ND 0.48	4.2	µg/Kg 1 4/27/2009 06:16 PM
Benzene	ND 0.68	4.2	µg/Kg 1 4/27/2009 06:16 PM
Bromobenzene	ND 1.3	4.2	µg/Kg 1 4/27/2009 06:16 PM
Bromodichloromethane	ND 0.71	4.2	µg/Kg 1 4/27/2009 06:16 PM
Bromoform	ND 1.0	4.2	µg/Kg 1 4/27/2009 06:16 PM
Bromomethane	ND 0.73	4.2	µg/Kg 1 4/27/2009 06:16 PM
Carbon tetrachloride	ND 1.1	4.2	µg/Kg 1 4/27/2009 06:16 PM
Chlorobenzene	ND 0.75	4.2	µg/Kg 1 4/27/2009 06:16 PM
Chloroethane	ND 1.1	4.2	µg/Kg 1 4/27/2009 06:16 PM
Chloroform	ND 0.52	4.2	µg/Kg 1 4/27/2009 06:16 PM
Chloromethane	ND 0.68	4.2	µg/Kg 1 4/27/2009 06:16 PM
cis-1,2-Dichloroethene	ND 1.0	4.2	µg/Kg 1 4/27/2009 06:16 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



Advanced Technology
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3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105210
Project: 207126015
Lab ID: 105210-027A

Client Sample ID: 1001-118-30-S
Collection Date: 4/23/2009 1:25:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS5_090427B	QC Batch: T09VS111	PrepDate: 4/27/2009	Analyst: HH
cis-1,3-Dichloropropene	ND 1.1	4.2	µg/Kg 1 4/27/2009 06:16 PM
Dibromochloromethane	ND 0.57	4.2	µg/Kg 1 4/27/2009 06:16 PM
Dibromomethane	ND 1.4	4.2	µg/Kg 1 4/27/2009 06:16 PM
Dichlorodifluoromethane	ND 0.50	4.2	µg/Kg 1 4/27/2009 06:16 PM
Ethylbenzene	ND 0.76	4.2	µg/Kg 1 4/27/2009 06:16 PM
Hexachlorobutadiene	ND 2.8	4.2	µg/Kg 1 4/27/2009 06:16 PM
Isopropylbenzene	ND 1.0	4.2	µg/Kg 1 4/27/2009 06:16 PM
m,p-Xylene	ND 1.4	8.3	µg/Kg 1 4/27/2009 06:16 PM
Methylene chloride	ND 4.2	4.2	µg/Kg 1 4/27/2009 06:16 PM
n-Butylbenzene	ND 0.87	4.2	µg/Kg 1 4/27/2009 06:16 PM
n-Propylbenzene	ND 0.75	4.2	µg/Kg 1 4/27/2009 06:16 PM
Naphthalene	ND 1.4	4.2	µg/Kg 1 4/27/2009 06:16 PM
o-Xylene	ND 0.86	4.2	µg/Kg 1 4/27/2009 06:16 PM
sec-Butylbenzene	ND 0.71	4.2	µg/Kg 1 4/27/2009 06:16 PM
Styrene	ND 0.75	4.2	µg/Kg 1 4/27/2009 06:16 PM
tert-Butylbenzene	ND 0.51	4.2	µg/Kg 1 4/27/2009 06:16 PM
Tetrachloroethene	ND 0.88	4.2	µg/Kg 1 4/27/2009 06:16 PM
Toluene	ND 0.69	4.2	µg/Kg 1 4/27/2009 06:16 PM
trans-1,2-Dichloroethene	ND 0.83	4.2	µg/Kg 1 4/27/2009 06:16 PM
Trichloroethene	ND 1.6	4.2	µg/Kg 1 4/27/2009 06:16 PM
Trichlorofluoromethane	ND 0.97	4.2	µg/Kg 1 4/27/2009 06:16 PM
Vinyl chloride	ND 0.49	4.2	µg/Kg 1 4/27/2009 06:16 PM
Surr: 1,2-Dichloroethane-d4	116 0	68-147	%REC 1 4/27/2009 06:16 PM
Surr: 4-Bromofluorobenzene	99.5 0	67-127	%REC 1 4/27/2009 06:16 PM
Surr: Dibromofluoromethane	116 0	72-141	%REC 1 4/27/2009 06:16 PM
Surr: Toluene-d8	114 0	75-120	%REC 1 4/27/2009 06:16 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105210
Project: 207126015
Lab ID: 105210-028A

Client Sample ID: 1001-118-35-S
Collection Date: 4/23/2009 1:30:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS5_090427B	QC Batch: T09VS111	PrepDate: 4/27/2009	Analyst: HH
1,1,1,2-Tetrachloroethane	ND 1.6	4.7	µg/Kg 1 4/27/2009 06:35 PM
1,1,1-Trichloroethane	ND 0.60	4.7	µg/Kg 1 4/27/2009 06:35 PM
1,1,2,2-Tetrachloroethane	ND 1.5	4.7	µg/Kg 1 4/27/2009 06:35 PM
1,1,2-Trichloroethane	ND 1.5	4.7	µg/Kg 1 4/27/2009 06:35 PM
1,1-Dichloroethane	ND 0.47	4.7	µg/Kg 1 4/27/2009 06:35 PM
1,1-Dichloroethene	ND 1.2	4.7	µg/Kg 1 4/27/2009 06:35 PM
1,1-Dichloropropene	ND 1.4	4.7	µg/Kg 1 4/27/2009 06:35 PM
1,2,3-Trichlorobenzene	ND 0.97	4.7	µg/Kg 1 4/27/2009 06:35 PM
1,2,3-Trichloropropane	ND 0.70	4.7	µg/Kg 1 4/27/2009 06:35 PM
1,2,4-Trichlorobenzene	ND 1.3	4.7	µg/Kg 1 4/27/2009 06:35 PM
1,2,4-Trimethylbenzene	ND 0.80	4.7	µg/Kg 1 4/27/2009 06:35 PM
1,2-Dibromo-3-chloropropane	ND 1.8	9.4	µg/Kg 1 4/27/2009 06:35 PM
1,2-Dibromoethane	ND 1.4	4.7	µg/Kg 1 4/27/2009 06:35 PM
1,2-Dichlorobenzene	ND 0.78	4.7	µg/Kg 1 4/27/2009 06:35 PM
1,2-Dichloroethane	ND 1.1	4.7	µg/Kg 1 4/27/2009 06:35 PM
1,2-Dichloropropane	ND 1.5	4.7	µg/Kg 1 4/27/2009 06:35 PM
1,3,5-Trimethylbenzene	ND 0.94	4.7	µg/Kg 1 4/27/2009 06:35 PM
1,3-Dichlorobenzene	ND 0.94	4.7	µg/Kg 1 4/27/2009 06:35 PM
1,3-Dichloropropane	ND 0.99	4.7	µg/Kg 1 4/27/2009 06:35 PM
1,4-Dichlorobenzene	ND 1.1	4.7	µg/Kg 1 4/27/2009 06:35 PM
2,2-Dichloropropane	ND 0.82	4.7	µg/Kg 1 4/27/2009 06:35 PM
2-Chlorotoluene	ND 0.62	4.7	µg/Kg 1 4/27/2009 06:35 PM
4-Chlorotoluene	ND 0.63	4.7	µg/Kg 1 4/27/2009 06:35 PM
4-Isopropyltoluene	ND 0.54	4.7	µg/Kg 1 4/27/2009 06:35 PM
Benzene	ND 0.77	4.7	µg/Kg 1 4/27/2009 06:35 PM
Bromobenzene	ND 1.5	4.7	µg/Kg 1 4/27/2009 06:35 PM
Bromodichloromethane	ND 0.80	4.7	µg/Kg 1 4/27/2009 06:35 PM
Bromoform	ND 1.1	4.7	µg/Kg 1 4/27/2009 06:35 PM
Bromomethane	ND 0.82	4.7	µg/Kg 1 4/27/2009 06:35 PM
Carbon tetrachloride	ND 1.2	4.7	µg/Kg 1 4/27/2009 06:35 PM
Chlorobenzene	ND 0.84	4.7	µg/Kg 1 4/27/2009 06:35 PM
Chloroethane	ND 1.2	4.7	µg/Kg 1 4/27/2009 06:35 PM
Chloroform	ND 0.58	4.7	µg/Kg 1 4/27/2009 06:35 PM
Chloromethane	ND 0.76	4.7	µg/Kg 1 4/27/2009 06:35 PM
cis-1,2-Dichloroethene	ND 1.1	4.7	µg/Kg 1 4/27/2009 06:35 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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Advanced Technology Laboratories**ANALYTICAL RESULTS**

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105210
Project: 207126015
Lab ID: 105210-028A

Client Sample ID: 1001-118-35-S
Collection Date: 4/23/2009 1:30:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS**EPA 8260B**

RunID: MS5_090427B	QC Batch: T09VS111	PrepDate: 4/27/2009	Analyst: HH
cis-1,3-Dichloropropene	ND 1.2	4.7	µg/Kg 1 4/27/2009 06:35 PM
Dibromochloromethane	ND 0.64	4.7	µg/Kg 1 4/27/2009 06:35 PM
Dibromomethane	ND 1.6	4.7	µg/Kg 1 4/27/2009 06:35 PM
Dichlorodifluoromethane	ND 0.56	4.7	µg/Kg 1 4/27/2009 06:35 PM
Ethylbenzene	ND 0.85	4.7	µg/Kg 1 4/27/2009 06:35 PM
Hexachlorobutadiene	ND 3.2	4.7	µg/Kg 1 4/27/2009 06:35 PM
Isopropylbenzene	ND 1.1	4.7	µg/Kg 1 4/27/2009 06:35 PM
m,p-Xylene	ND 1.6	9.4	µg/Kg 1 4/27/2009 06:35 PM
Methylene chloride	ND 4.7	4.7	µg/Kg 1 4/27/2009 06:35 PM
n-Butylbenzene	ND 0.98	4.7	µg/Kg 1 4/27/2009 06:35 PM
n-Propylbenzene	ND 0.85	4.7	µg/Kg 1 4/27/2009 06:35 PM
Naphthalene	ND 1.6	4.7	µg/Kg 1 4/27/2009 06:35 PM
o-Xylene	ND 0.96	4.7	µg/Kg 1 4/27/2009 06:35 PM
sec-Butylbenzene	ND 0.80	4.7	µg/Kg 1 4/27/2009 06:35 PM
Styrene	ND 0.84	4.7	µg/Kg 1 4/27/2009 06:35 PM
tert-Butylbenzene	ND 0.57	4.7	µg/Kg 1 4/27/2009 06:35 PM
Tetrachloroethene	ND 0.99	4.7	µg/Kg 1 4/27/2009 06:35 PM
Toluene	ND 0.78	4.7	µg/Kg 1 4/27/2009 06:35 PM
trans-1,2-Dichloroethene	ND 0.93	4.7	µg/Kg 1 4/27/2009 06:35 PM
Trichloroethene	ND 1.8	4.7	µg/Kg 1 4/27/2009 06:35 PM
Trichlorofluoromethane	ND 1.1	4.7	µg/Kg 1 4/27/2009 06:35 PM
Vinyl chloride	ND 0.55	4.7	µg/Kg 1 4/27/2009 06:35 PM
Surr: 1,2-Dichloroethane-d4	108 0	68-147	%REC 1 4/27/2009 06:35 PM
Surr: 4-Bromofluorobenzene	99.2 0	67-127	%REC 1 4/27/2009 06:35 PM
Surr: Dibromofluoromethane	109 0	72-141	%REC 1 4/27/2009 06:35 PM
Surr: Toluene-d8	96.8 0	75-120	%REC 1 4/27/2009 06:35 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105210
Project: 207126015
Lab ID: 105210-029A

Client Sample ID: 1001-118-40-S
Collection Date: 4/23/2009 1:40:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS5_090427B	QC Batch: T09VS111	PrepDate: 4/27/2009	Analyst: HH
1,1,1,2-Tetrachloroethane	ND 1.6	4.6	µg/Kg 1 4/27/2009 06:55 PM
1,1,1-Trichloroethane	ND 0.60	4.6	µg/Kg 1 4/27/2009 06:55 PM
1,1,2,2-Tetrachloroethane	ND 1.4	4.6	µg/Kg 1 4/27/2009 06:55 PM
1,1,2-Trichloroethane	ND 1.5	4.6	µg/Kg 1 4/27/2009 06:55 PM
1,1-Dichloroethane	ND 0.47	4.6	µg/Kg 1 4/27/2009 06:55 PM
1,1-Dichloroethene	ND 1.2	4.6	µg/Kg 1 4/27/2009 06:55 PM
1,1-Dichloropropene	ND 1.4	4.6	µg/Kg 1 4/27/2009 06:55 PM
1,2,3-Trichlorobenzene	ND 0.96	4.6	µg/Kg 1 4/27/2009 06:55 PM
1,2,3-Trichloropropane	ND 0.69	4.6	µg/Kg 1 4/27/2009 06:55 PM
1,2,4-Trichlorobenzene	ND 1.2	4.6	µg/Kg 1 4/27/2009 06:55 PM
1,2,4-Trimethylbenzene	ND 0.79	4.6	µg/Kg 1 4/27/2009 06:55 PM
1,2-Dibromo-3-chloropropane	ND 1.8	9.2	µg/Kg 1 4/27/2009 06:55 PM
1,2-Dibromoethane	ND 1.4	4.6	µg/Kg 1 4/27/2009 06:55 PM
1,2-Dichlorobenzene	ND 0.77	4.6	µg/Kg 1 4/27/2009 06:55 PM
1,2-Dichloroethane	ND 1.1	4.6	µg/Kg 1 4/27/2009 06:55 PM
1,2-Dichloropropane	ND 1.4	4.6	µg/Kg 1 4/27/2009 06:55 PM
1,3,5-Trimethylbenzene	ND 0.92	4.6	µg/Kg 1 4/27/2009 06:55 PM
1,3-Dichlorobenzene	ND 0.93	4.6	µg/Kg 1 4/27/2009 06:55 PM
1,3-Dichloropropane	ND 0.97	4.6	µg/Kg 1 4/27/2009 06:55 PM
1,4-Dichlorobenzene	ND 1.1	4.6	µg/Kg 1 4/27/2009 06:55 PM
2,2-Dichloropropane	ND 0.80	4.6	µg/Kg 1 4/27/2009 06:55 PM
2-Chlorotoluene	ND 0.61	4.6	µg/Kg 1 4/27/2009 06:55 PM
4-Chlorotoluene	ND 0.62	4.6	µg/Kg 1 4/27/2009 06:55 PM
4-Isopropyltoluene	ND 0.53	4.6	µg/Kg 1 4/27/2009 06:55 PM
Benzene	ND 0.76	4.6	µg/Kg 1 4/27/2009 06:55 PM
Bromobenzene	ND 1.4	4.6	µg/Kg 1 4/27/2009 06:55 PM
Bromodichloromethane	ND 0.79	4.6	µg/Kg 1 4/27/2009 06:55 PM
Bromoform	ND 1.1	4.6	µg/Kg 1 4/27/2009 06:55 PM
Bromomethane	ND 0.81	4.6	µg/Kg 1 4/27/2009 06:55 PM
Carbon tetrachloride	ND 1.2	4.6	µg/Kg 1 4/27/2009 06:55 PM
Chlorobenzene	ND 0.83	4.6	µg/Kg 1 4/27/2009 06:55 PM
Chloroethane	ND 1.2	4.6	µg/Kg 1 4/27/2009 06:55 PM
Chloroform	ND 0.57	4.6	µg/Kg 1 4/27/2009 06:55 PM
Chloromethane	ND 0.75	4.6	µg/Kg 1 4/27/2009 06:55 PM
cis-1,2-Dichloroethene	ND 1.1	4.6	µg/Kg 1 4/27/2009 06:55 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105210
Project: 207126015
Lab ID: 105210-029A

Client Sample ID: 1001-118-40-S
Collection Date: 4/23/2009 1:40:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS5_090427B	QC Batch: T09VS111	PrepDate: 4/27/2009	Analyst: HH
cis-1,3-Dichloropropene	ND 1.2	4.6	µg/Kg 1 4/27/2009 06:55 PM
Dibromochloromethane	ND 0.63	4.6	µg/Kg 1 4/27/2009 06:55 PM
Dibromomethane	ND 1.6	4.6	µg/Kg 1 4/27/2009 06:55 PM
Dichlorodifluoromethane	ND 0.55	4.6	µg/Kg 1 4/27/2009 06:55 PM
Ethylbenzene	ND 0.84	4.6	µg/Kg 1 4/27/2009 06:55 PM
Hexachlorobutadiene	ND 3.1	4.6	µg/Kg 1 4/27/2009 06:55 PM
Isopropylbenzene	ND 1.1	4.6	µg/Kg 1 4/27/2009 06:55 PM
m,p-Xylene	ND 1.6	9.2	µg/Kg 1 4/27/2009 06:55 PM
Methylene chloride	ND 4.6	4.6	µg/Kg 1 4/27/2009 06:55 PM
n-Butylbenzene	ND 0.96	4.6	µg/Kg 1 4/27/2009 06:55 PM
n-Propylbenzene	ND 0.83	4.6	µg/Kg 1 4/27/2009 06:55 PM
Naphthalene	ND 1.5	4.6	µg/Kg 1 4/27/2009 06:55 PM
o-Xylene	ND 0.95	4.6	µg/Kg 1 4/27/2009 06:55 PM
sec-Butylbenzene	ND 0.79	4.6	µg/Kg 1 4/27/2009 06:55 PM
Styrene	ND 0.83	4.6	µg/Kg 1 4/27/2009 06:55 PM
tert-Butylbenzene	ND 0.56	4.6	µg/Kg 1 4/27/2009 06:55 PM
Tetrachloroethene	ND 0.97	4.6	µg/Kg 1 4/27/2009 06:55 PM
Toluene	ND 0.77	4.6	µg/Kg 1 4/27/2009 06:55 PM
trans-1,2-Dichloroethene	ND 0.92	4.6	µg/Kg 1 4/27/2009 06:55 PM
Trichloroethene	ND 1.8	4.6	µg/Kg 1 4/27/2009 06:55 PM
Trichlorofluoromethane	ND 1.1	4.6	µg/Kg 1 4/27/2009 06:55 PM
Vinyl chloride	ND 0.54	4.6	µg/Kg 1 4/27/2009 06:55 PM
Surr: 1,2-Dichloroethane-d4	113 0	68-147	%REC 1 4/27/2009 06:55 PM
Surr: 4-Bromofluorobenzene	89.4 0	67-127	%REC 1 4/27/2009 06:55 PM
Surr: Dibromofluoromethane	113 0	72-141	%REC 1 4/27/2009 06:55 PM
Surr: Toluene-d8	99.7 0	75-120	%REC 1 4/27/2009 06:55 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105210
Project: 207126015
Lab ID: 105210-030A

Client Sample ID: 1001-118-40D-S
Collection Date: 4/23/2009 1:40:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS5_090427B	QC Batch: T09VS111	PrepDate: 4/27/2009	Analyst: HH
1,1,1,2-Tetrachloroethane	ND 1.4	4.1	µg/Kg 1 4/27/2009 07:14 PM
1,1,1-Trichloroethane	ND 0.53	4.1	µg/Kg 1 4/27/2009 07:14 PM
1,1,2,2-Tetrachloroethane	ND 1.3	4.1	µg/Kg 1 4/27/2009 07:14 PM
1,1,2-Trichloroethane	ND 1.3	4.1	µg/Kg 1 4/27/2009 07:14 PM
1,1-Dichloroethane	ND 0.41	4.1	µg/Kg 1 4/27/2009 07:14 PM
1,1-Dichloroethene	ND 1.0	4.1	µg/Kg 1 4/27/2009 07:14 PM
1,1-Dichloropropene	ND 1.2	4.1	µg/Kg 1 4/27/2009 07:14 PM
1,2,3-Trichlorobenzene	ND 0.84	4.1	µg/Kg 1 4/27/2009 07:14 PM
1,2,3-Trichloropropane	ND 0.61	4.1	µg/Kg 1 4/27/2009 07:14 PM
1,2,4-Trichlorobenzene	ND 1.1	4.1	µg/Kg 1 4/27/2009 07:14 PM
1,2,4-Trimethylbenzene	ND 0.70	4.1	µg/Kg 1 4/27/2009 07:14 PM
1,2-Dibromo-3-chloropropane	ND 1.6	8.1	µg/Kg 1 4/27/2009 07:14 PM
1,2-Dibromoethane	ND 1.2	4.1	µg/Kg 1 4/27/2009 07:14 PM
1,2-Dichlorobenzene	ND 0.68	4.1	µg/Kg 1 4/27/2009 07:14 PM
1,2-Dichloroethane	ND 0.95	4.1	µg/Kg 1 4/27/2009 07:14 PM
1,2-Dichloropropane	ND 1.3	4.1	µg/Kg 1 4/27/2009 07:14 PM
1,3,5-Trimethylbenzene	ND 0.82	4.1	µg/Kg 1 4/27/2009 07:14 PM
1,3-Dichlorobenzene	ND 0.82	4.1	µg/Kg 1 4/27/2009 07:14 PM
1,3-Dichloropropane	ND 0.86	4.1	µg/Kg 1 4/27/2009 07:14 PM
1,4-Dichlorobenzene	ND 0.98	4.1	µg/Kg 1 4/27/2009 07:14 PM
2,2-Dichloropropane	ND 0.71	4.1	µg/Kg 1 4/27/2009 07:14 PM
2-Chlorotoluene	ND 0.54	4.1	µg/Kg 1 4/27/2009 07:14 PM
4-Chlorotoluene	ND 0.55	4.1	µg/Kg 1 4/27/2009 07:14 PM
4-Isopropyltoluene	ND 0.47	4.1	µg/Kg 1 4/27/2009 07:14 PM
Benzene	ND 0.67	4.1	µg/Kg 1 4/27/2009 07:14 PM
Bromobenzene	ND 1.3	4.1	µg/Kg 1 4/27/2009 07:14 PM
Bromodichloromethane	ND 0.70	4.1	µg/Kg 1 4/27/2009 07:14 PM
Bromoform	ND 0.99	4.1	µg/Kg 1 4/27/2009 07:14 PM
Bromomethane	ND 0.71	4.1	µg/Kg 1 4/27/2009 07:14 PM
Carbon tetrachloride	ND 1.1	4.1	µg/Kg 1 4/27/2009 07:14 PM
Chlorobenzene	ND 0.73	4.1	µg/Kg 1 4/27/2009 07:14 PM
Chloroethane	ND 1.1	4.1	µg/Kg 1 4/27/2009 07:14 PM
Chloroform	ND 0.50	4.1	µg/Kg 1 4/27/2009 07:14 PM
Chloromethane	ND 0.67	4.1	µg/Kg 1 4/27/2009 07:14 PM
cis-1,2-Dichloroethene	ND 0.98	4.1	µg/Kg 1 4/27/2009 07:14 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105210
Project: 207126015
Lab ID: 105210-030A

Client Sample ID: 1001-118-40D-S
Collection Date: 4/23/2009 1:40:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS5_090427B	QC Batch: T09VS111	PrepDate: 4/27/2009	Analyst: HH
cis-1,3-Dichloropropene	ND 1.0	4.1	µg/Kg 1 4/27/2009 07:14 PM
Dibromochloromethane	ND 0.55	4.1	µg/Kg 1 4/27/2009 07:14 PM
Dibromomethane	ND 1.4	4.1	µg/Kg 1 4/27/2009 07:14 PM
Dichlorodifluoromethane	ND 0.49	4.1	µg/Kg 1 4/27/2009 07:14 PM
Ethylbenzene	ND 0.74	4.1	µg/Kg 1 4/27/2009 07:14 PM
Hexachlorobutadiene	ND 2.8	4.1	µg/Kg 1 4/27/2009 07:14 PM
Isopropylbenzene	ND 1.0	4.1	µg/Kg 1 4/27/2009 07:14 PM
m,p-Xylene	ND 1.4	8.1	µg/Kg 1 4/27/2009 07:14 PM
Methylene chloride	ND 4.1	4.1	µg/Kg 1 4/27/2009 07:14 PM
n-Butylbenzene	ND 0.85	4.1	µg/Kg 1 4/27/2009 07:14 PM
n-Propylbenzene	ND 0.74	4.1	µg/Kg 1 4/27/2009 07:14 PM
Naphthalene	ND 1.4	4.1	µg/Kg 1 4/27/2009 07:14 PM
o-Xylene	ND 0.84	4.1	µg/Kg 1 4/27/2009 07:14 PM
sec-Butylbenzene	ND 0.69	4.1	µg/Kg 1 4/27/2009 07:14 PM
Styrene	ND 0.73	4.1	µg/Kg 1 4/27/2009 07:14 PM
tert-Butylbenzene	ND 0.50	4.1	µg/Kg 1 4/27/2009 07:14 PM
Tetrachloroethene	ND 0.86	4.1	µg/Kg 1 4/27/2009 07:14 PM
Toluene	ND 0.68	4.1	µg/Kg 1 4/27/2009 07:14 PM
trans-1,2-Dichloroethene	ND 0.81	4.1	µg/Kg 1 4/27/2009 07:14 PM
Trichloroethene	ND 1.6	4.1	µg/Kg 1 4/27/2009 07:14 PM
Trichlorofluoromethane	ND 0.94	4.1	µg/Kg 1 4/27/2009 07:14 PM
Vinyl chloride	ND 0.48	4.1	µg/Kg 1 4/27/2009 07:14 PM
Surr: 1,2-Dichloroethane-d4	115 0	68-147	%REC 1 4/27/2009 07:14 PM
Surr: 4-Bromofluorobenzene	94.0 0	67-127	%REC 1 4/27/2009 07:14 PM
Surr: Dibromofluoromethane	114 0	72-141	%REC 1 4/27/2009 07:14 PM
Surr: Toluene-d8	94.9 0	75-120	%REC 1 4/27/2009 07:14 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105210
Project: 207126015
Lab ID: 105210-031A

Client Sample ID: 1001-119-2-S
Collection Date: 4/23/2009 2:55:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS5_090427B	QC Batch: T09VS111	PrepDate: 4/27/2009	Analyst: HH
1,1,1,2-Tetrachloroethane	ND 1.6	4.6	µg/Kg 1 4/27/2009 07:34 PM
1,1,1-Trichloroethane	ND 0.59	4.6	µg/Kg 1 4/27/2009 07:34 PM
1,1,2,2-Tetrachloroethane	ND 1.4	4.6	µg/Kg 1 4/27/2009 07:34 PM
1,1,2-Trichloroethane	ND 1.5	4.6	µg/Kg 1 4/27/2009 07:34 PM
1,1-Dichloroethane	ND 0.47	4.6	µg/Kg 1 4/27/2009 07:34 PM
1,1-Dichloroethene	ND 1.2	4.6	µg/Kg 1 4/27/2009 07:34 PM
1,1-Dichloropropene	ND 1.4	4.6	µg/Kg 1 4/27/2009 07:34 PM
1,2,3-Trichlorobenzene	ND 0.95	4.6	µg/Kg 1 4/27/2009 07:34 PM
1,2,3-Trichloropropane	ND 0.69	4.6	µg/Kg 1 4/27/2009 07:34 PM
1,2,4-Trichlorobenzene	ND 1.2	4.6	µg/Kg 1 4/27/2009 07:34 PM
1,2,4-Trimethylbenzene	ND 0.79	4.6	µg/Kg 1 4/27/2009 07:34 PM
1,2-Dibromo-3-chloropropane	ND 1.8	9.2	µg/Kg 1 4/27/2009 07:34 PM
1,2-Dibromoethane	ND 1.3	4.6	µg/Kg 1 4/27/2009 07:34 PM
1,2-Dichlorobenzene	ND 0.77	4.6	µg/Kg 1 4/27/2009 07:34 PM
1,2-Dichloroethane	ND 1.1	4.6	µg/Kg 1 4/27/2009 07:34 PM
1,2-Dichloropropane	ND 1.4	4.6	µg/Kg 1 4/27/2009 07:34 PM
1,3,5-Trimethylbenzene	ND 0.92	4.6	µg/Kg 1 4/27/2009 07:34 PM
1,3-Dichlorobenzene	ND 0.93	4.6	µg/Kg 1 4/27/2009 07:34 PM
1,3-Dichloropropane	ND 0.97	4.6	µg/Kg 1 4/27/2009 07:34 PM
1,4-Dichlorobenzene	ND 1.1	4.6	µg/Kg 1 4/27/2009 07:34 PM
2,2-Dichloropropane	ND 0.80	4.6	µg/Kg 1 4/27/2009 07:34 PM
2-Chlorotoluene	ND 0.61	4.6	µg/Kg 1 4/27/2009 07:34 PM
4-Chlorotoluene	ND 0.62	4.6	µg/Kg 1 4/27/2009 07:34 PM
4-Isopropyltoluene	ND 0.53	4.6	µg/Kg 1 4/27/2009 07:34 PM
Benzene	ND 0.76	4.6	µg/Kg 1 4/27/2009 07:34 PM
Bromobenzene	ND 1.4	4.6	µg/Kg 1 4/27/2009 07:34 PM
Bromodichloromethane	ND 0.79	4.6	µg/Kg 1 4/27/2009 07:34 PM
Bromoform	ND 1.1	4.6	µg/Kg 1 4/27/2009 07:34 PM
Bromomethane	ND 0.80	4.6	µg/Kg 1 4/27/2009 07:34 PM
Carbon tetrachloride	ND 1.2	4.6	µg/Kg 1 4/27/2009 07:34 PM
Chlorobenzene	ND 0.83	4.6	µg/Kg 1 4/27/2009 07:34 PM
Chloroethane	ND 1.2	4.6	µg/Kg 1 4/27/2009 07:34 PM
Chloroform	ND 0.57	4.6	µg/Kg 1 4/27/2009 07:34 PM
Chloromethane	ND 0.75	4.6	µg/Kg 1 4/27/2009 07:34 PM
cis-1,2-Dichloroethene	ND 1.1	4.6	µg/Kg 1 4/27/2009 07:34 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105210
Project: 207126015
Lab ID: 105210-031A

Client Sample ID: 1001-119-2-S
Collection Date: 4/23/2009 2:55:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS5_090427B	QC Batch: T09VS111	PrepDate: 4/27/2009	Analyst: HH			
cis-1,3-Dichloropropene	ND	1.2	4.6	µg/Kg	1	4/27/2009 07:34 PM
Dibromochloromethane	ND	0.63	4.6	µg/Kg	1	4/27/2009 07:34 PM
Dibromomethane	ND	1.6	4.6	µg/Kg	1	4/27/2009 07:34 PM
Dichlorodifluoromethane	ND	0.55	4.6	µg/Kg	1	4/27/2009 07:34 PM
Ethylbenzene	ND	0.84	4.6	µg/Kg	1	4/27/2009 07:34 PM
Hexachlorobutadiene	ND	3.1	4.6	µg/Kg	1	4/27/2009 07:34 PM
Isopropylbenzene	ND	1.1	4.6	µg/Kg	1	4/27/2009 07:34 PM
m,p-Xylene	ND	1.6	9.2	µg/Kg	1	4/27/2009 07:34 PM
Methylene chloride	ND	4.6	4.6	µg/Kg	1	4/27/2009 07:34 PM
n-Butylbenzene	ND	0.96	4.6	µg/Kg	1	4/27/2009 07:34 PM
n-Propylbenzene	ND	0.83	4.6	µg/Kg	1	4/27/2009 07:34 PM
Naphthalene	ND	1.5	4.6	µg/Kg	1	4/27/2009 07:34 PM
o-Xylene	ND	0.95	4.6	µg/Kg	1	4/27/2009 07:34 PM
sec-Butylbenzene	ND	0.79	4.6	µg/Kg	1	4/27/2009 07:34 PM
Styrene	ND	0.82	4.6	µg/Kg	1	4/27/2009 07:34 PM
tert-Butylbenzene	ND	0.56	4.6	µg/Kg	1	4/27/2009 07:34 PM
Tetrachloroethene	ND	0.97	4.6	µg/Kg	1	4/27/2009 07:34 PM
Toluene	ND	0.76	4.6	µg/Kg	1	4/27/2009 07:34 PM
trans-1,2-Dichloroethene	ND	0.91	4.6	µg/Kg	1	4/27/2009 07:34 PM
Trichloroethene	ND	1.8	4.6	µg/Kg	1	4/27/2009 07:34 PM
Trichlorofluoromethane	ND	1.1	4.6	µg/Kg	1	4/27/2009 07:34 PM
Vinyl chloride	ND	0.54	4.6	µg/Kg	1	4/27/2009 07:34 PM
Surr: 1,2-Dichloroethane-d4	110	0	68-147	%REC	1	4/27/2009 07:34 PM
Surr: 4-Bromofluorobenzene	89.5	0	67-127	%REC	1	4/27/2009 07:34 PM
Surr: Dibromofluoromethane	107	0	72-141	%REC	1	4/27/2009 07:34 PM
Surr: Toluene-d8	92.9	0	75-120	%REC	1	4/27/2009 07:34 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105210
Project: 207126015
Lab ID: 105210-032A

Client Sample ID: 1001-119-5-S
Collection Date: 4/23/2009 2:58:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS4_090427A	QC Batch: K09VS064	PrepDate: 4/28/2009	Analyst: HH
1,1,1,2-Tetrachloroethane	ND 1.7	4.9	µg/Kg 1 4/27/2009 12:55 PM
1,1,1-Trichloroethane	ND 0.64	4.9	µg/Kg 1 4/27/2009 12:55 PM
1,1,2,2-Tetrachloroethane	ND 1.5	4.9	µg/Kg 1 4/27/2009 12:55 PM
1,1,2-Trichloroethane	ND 1.6	4.9	µg/Kg 1 4/27/2009 12:55 PM
1,1-Dichloroethane	ND 0.50	4.9	µg/Kg 1 4/27/2009 12:55 PM
1,1-Dichloroethene	ND 1.3	4.9	µg/Kg 1 4/27/2009 12:55 PM
1,1-Dichloropropene	ND 1.5	4.9	µg/Kg 1 4/27/2009 12:55 PM
1,2,3-Trichlorobenzene	ND 1.0	4.9	µg/Kg 1 4/27/2009 12:55 PM
1,2,3-Trichloropropane	ND 0.74	4.9	µg/Kg 1 4/27/2009 12:55 PM
1,2,4-Trichlorobenzene	ND 1.3	4.9	µg/Kg 1 4/27/2009 12:55 PM
1,2,4-Trimethylbenzene	ND 0.85	4.9	µg/Kg 1 4/27/2009 12:55 PM
1,2-Dibromo-3-chloropropane	ND 1.9	9.9	µg/Kg 1 4/27/2009 12:55 PM
1,2-Dibromoethane	ND 1.4	4.9	µg/Kg 1 4/27/2009 12:55 PM
1,2-Dichlorobenzene	ND 0.82	4.9	µg/Kg 1 4/27/2009 12:55 PM
1,2-Dichloroethane	ND 1.2	4.9	µg/Kg 1 4/27/2009 12:55 PM
1,2-Dichloropropane	ND 1.5	4.9	µg/Kg 1 4/27/2009 12:55 PM
1,3,5-Trimethylbenzene	ND 0.99	4.9	µg/Kg 1 4/27/2009 12:55 PM
1,3-Dichlorobenzene	ND 0.99	4.9	µg/Kg 1 4/27/2009 12:55 PM
1,3-Dichloropropane	ND 1.0	4.9	µg/Kg 1 4/27/2009 12:55 PM
1,4-Dichlorobenzene	ND 1.2	4.9	µg/Kg 1 4/27/2009 12:55 PM
2,2-Dichloropropane	ND 0.86	4.9	µg/Kg 1 4/27/2009 12:55 PM
2-Chlorotoluene	ND 0.65	4.9	µg/Kg 1 4/27/2009 12:55 PM
4-Chlorotoluene	ND 0.67	4.9	µg/Kg 1 4/27/2009 12:55 PM
4-Isopropyltoluene	ND 0.56	4.9	µg/Kg 1 4/27/2009 12:55 PM
Benzene	ND 0.81	4.9	µg/Kg 1 4/27/2009 12:55 PM
Bromobenzene	ND 1.5	4.9	µg/Kg 1 4/27/2009 12:55 PM
Bromodichloromethane	ND 0.84	4.9	µg/Kg 1 4/27/2009 12:55 PM
Bromoform	ND 1.2	4.9	µg/Kg 1 4/27/2009 12:55 PM
Bromomethane	ND 0.86	4.9	µg/Kg 1 4/27/2009 12:55 PM
Carbon tetrachloride	ND 1.3	4.9	µg/Kg 1 4/27/2009 12:55 PM
Chlorobenzene	ND 0.88	4.9	µg/Kg 1 4/27/2009 12:55 PM
Chloroethane	ND 1.3	4.9	µg/Kg 1 4/27/2009 12:55 PM
Chloroform	ND 0.61	4.9	µg/Kg 1 4/27/2009 12:55 PM
Chloromethane	ND 0.81	4.9	µg/Kg 1 4/27/2009 12:55 PM
cis-1,2-Dichloroethene	ND 1.2	4.9	µg/Kg 1 4/27/2009 12:55 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105210
Project: 207126015
Lab ID: 105210-032A

Client Sample ID: 1001-119-5-S
Collection Date: 4/23/2009 2:58:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS4_090427A	QC Batch: K09VS064	PrepDate: 4/28/2009	Analyst: HH
cis-1,3-Dichloropropene	ND 1.3	4.9	µg/Kg 1 4/27/2009 12:55 PM
Dibromochloromethane	ND 0.67	4.9	µg/Kg 1 4/27/2009 12:55 PM
Dibromomethane	ND 1.7	4.9	µg/Kg 1 4/27/2009 12:55 PM
Dichlorodifluoromethane	ND 0.59	4.9	µg/Kg 1 4/27/2009 12:55 PM
Ethylbenzene	ND 0.90	4.9	µg/Kg 1 4/27/2009 12:55 PM
Hexachlorobutadiene	ND 3.3	4.9	µg/Kg 1 4/27/2009 12:55 PM
Isopropylbenzene	ND 1.2	4.9	µg/Kg 1 4/27/2009 12:55 PM
m,p-Xylene	ND 1.7	9.9	µg/Kg 1 4/27/2009 12:55 PM
Methylene chloride	ND 4.9	4.9	µg/Kg 1 4/27/2009 12:55 PM
n-Butylbenzene	ND 1.0	4.9	µg/Kg 1 4/27/2009 12:55 PM
n-Propylbenzene	ND 0.89	4.9	µg/Kg 1 4/27/2009 12:55 PM
Naphthalene	ND 1.6	4.9	µg/Kg 1 4/27/2009 12:55 PM
o-Xylene	ND 1.0	4.9	µg/Kg 1 4/27/2009 12:55 PM
sec-Butylbenzene	ND 0.84	4.9	µg/Kg 1 4/27/2009 12:55 PM
Styrene	ND 0.88	4.9	µg/Kg 1 4/27/2009 12:55 PM
tert-Butylbenzene	ND 0.60	4.9	µg/Kg 1 4/27/2009 12:55 PM
Tetrachloroethene	ND 1.0	4.9	µg/Kg 1 4/27/2009 12:55 PM
Toluene	ND 0.82	4.9	µg/Kg 1 4/27/2009 12:55 PM
trans-1,2-Dichloroethene	ND 0.98	4.9	µg/Kg 1 4/27/2009 12:55 PM
Trichloroethene	ND 1.9	4.9	µg/Kg 1 4/27/2009 12:55 PM
Trichlorofluoromethane	ND 1.1	4.9	µg/Kg 1 4/27/2009 12:55 PM
Vinyl chloride	ND 0.58	4.9	µg/Kg 1 4/27/2009 12:55 PM
Surr: 1,2-Dichloroethane-d4	110 0	68-147	%REC 1 4/27/2009 12:55 PM
Surr: 4-Bromofluorobenzene	108 0	67-127	%REC 1 4/27/2009 12:55 PM
Surr: Dibromofluoromethane	112 0	72-141	%REC 1 4/27/2009 12:55 PM
Surr: Toluene-d8	111 0	75-120	%REC 1 4/27/2009 12:55 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105210
Project: 207126015
Lab ID: 105210-033A

Client Sample ID: 1001-119-10-S
Collection Date: 4/23/2009 3:00:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS4_090427A	QC Batch: K09VS064	PrepDate: 4/28/2009	Analyst: HH
1,1,1,2-Tetrachloroethane	ND 2.1	6.2	µg/Kg 1 4/27/2009 01:12 PM
1,1,1-Trichloroethane	ND 0.80	6.2	µg/Kg 1 4/27/2009 01:12 PM
1,1,2,2-Tetrachloroethane	ND 1.9	6.2	µg/Kg 1 4/27/2009 01:12 PM
1,1,2-Trichloroethane	ND 2.0	6.2	µg/Kg 1 4/27/2009 01:12 PM
1,1-Dichloroethane	ND 0.63	6.2	µg/Kg 1 4/27/2009 01:12 PM
1,1-Dichloroethene	ND 1.6	6.2	µg/Kg 1 4/27/2009 01:12 PM
1,1-Dichloropropene	ND 1.9	6.2	µg/Kg 1 4/27/2009 01:12 PM
1,2,3-Trichlorobenzene	ND 1.3	6.2	µg/Kg 1 4/27/2009 01:12 PM
1,2,3-Trichloropropane	ND 0.93	6.2	µg/Kg 1 4/27/2009 01:12 PM
1,2,4-Trichlorobenzene	ND 1.7	6.2	µg/Kg 1 4/27/2009 01:12 PM
1,2,4-Trimethylbenzene	ND 1.1	6.2	µg/Kg 1 4/27/2009 01:12 PM
1,2-Dibromo-3-chloropropane	ND 2.4	12	µg/Kg 1 4/27/2009 01:12 PM
1,2-Dibromoethane	ND 1.8	6.2	µg/Kg 1 4/27/2009 01:12 PM
1,2-Dichlorobenzene	ND 1.0	6.2	µg/Kg 1 4/27/2009 01:12 PM
1,2-Dichloroethane	ND 1.5	6.2	µg/Kg 1 4/27/2009 01:12 PM
1,2-Dichloropropane	ND 1.9	6.2	µg/Kg 1 4/27/2009 01:12 PM
1,3,5-Trimethylbenzene	ND 1.2	6.2	µg/Kg 1 4/27/2009 01:12 PM
1,3-Dichlorobenzene	ND 1.3	6.2	µg/Kg 1 4/27/2009 01:12 PM
1,3-Dichloropropane	ND 1.3	6.2	µg/Kg 1 4/27/2009 01:12 PM
1,4-Dichlorobenzene	ND 1.5	6.2	µg/Kg 1 4/27/2009 01:12 PM
2,2-Dichloropropane	ND 1.1	6.2	µg/Kg 1 4/27/2009 01:12 PM
2-Chlorotoluene	ND 0.82	6.2	µg/Kg 1 4/27/2009 01:12 PM
4-Chlorotoluene	ND 0.84	6.2	µg/Kg 1 4/27/2009 01:12 PM
4-Isopropyltoluene	ND 0.71	6.2	µg/Kg 1 4/27/2009 01:12 PM
Benzene	ND 1.0	6.2	µg/Kg 1 4/27/2009 01:12 PM
Bromobenzene	ND 1.9	6.2	µg/Kg 1 4/27/2009 01:12 PM
Bromodichloromethane	ND 1.1	6.2	µg/Kg 1 4/27/2009 01:12 PM
Bromoform	ND 1.5	6.2	µg/Kg 1 4/27/2009 01:12 PM
Bromomethane	ND 1.1	6.2	µg/Kg 1 4/27/2009 01:12 PM
Carbon tetrachloride	ND 1.7	6.2	µg/Kg 1 4/27/2009 01:12 PM
Chlorobenzene	ND 1.1	6.2	µg/Kg 1 4/27/2009 01:12 PM
Chloroethane	ND 1.6	6.2	µg/Kg 1 4/27/2009 01:12 PM
Chloroform	ND 0.77	6.2	µg/Kg 1 4/27/2009 01:12 PM
Chloromethane	ND 1.0	6.2	µg/Kg 1 4/27/2009 01:12 PM
cis-1,2-Dichloroethene	ND 1.5	6.2	µg/Kg 1 4/27/2009 01:12 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



Advanced Technology
Laboratories

3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories**ANALYTICAL RESULTS**

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105210
Project: 207126015
Lab ID: 105210-033A

Client Sample ID: 1001-119-10-S
Collection Date: 4/23/2009 3:00:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS**EPA 8260B**

RunID: MS4_090427A	QC Batch: K09VS064	PrepDate: 4/28/2009	Analyst: HH
cis-1,3-Dichloropropene	ND 1.6	6.2	µg/Kg 1 4/27/2009 01:12 PM
Dibromochloromethane	ND 0.84	6.2	µg/Kg 1 4/27/2009 01:12 PM
Dibromomethane	ND 2.1	6.2	µg/Kg 1 4/27/2009 01:12 PM
Dichlorodifluoromethane	ND 0.75	6.2	µg/Kg 1 4/27/2009 01:12 PM
Ethylbenzene	ND 1.1	6.2	µg/Kg 1 4/27/2009 01:12 PM
Hexachlorobutadiene	ND 4.2	6.2	µg/Kg 1 4/27/2009 01:12 PM
Isopropylbenzene	ND 1.5	6.2	µg/Kg 1 4/27/2009 01:12 PM
m,p-Xylene	ND 2.1	12	µg/Kg 1 4/27/2009 01:12 PM
Methylene chloride	ND 6.2	6.2	µg/Kg 1 4/27/2009 01:12 PM
n-Butylbenzene	ND 1.3	6.2	µg/Kg 1 4/27/2009 01:12 PM
n-Propylbenzene	ND 1.1	6.2	µg/Kg 1 4/27/2009 01:12 PM
Naphthalene	ND 2.1	6.2	µg/Kg 1 4/27/2009 01:12 PM
o-Xylene	ND 1.3	6.2	µg/Kg 1 4/27/2009 01:12 PM
sec-Butylbenzene	ND 1.1	6.2	µg/Kg 1 4/27/2009 01:12 PM
Styrene	ND 1.1	6.2	µg/Kg 1 4/27/2009 01:12 PM
tert-Butylbenzene	ND 0.76	6.2	µg/Kg 1 4/27/2009 01:12 PM
Tetrachloroethene	ND 1.3	6.2	µg/Kg 1 4/27/2009 01:12 PM
Toluene	ND 1.0	6.2	µg/Kg 1 4/27/2009 01:12 PM
trans-1,2-Dichloroethene	ND 1.2	6.2	µg/Kg 1 4/27/2009 01:12 PM
Trichloroethene	ND 2.4	6.2	µg/Kg 1 4/27/2009 01:12 PM
Trichlorofluoromethane	ND 1.4	6.2	µg/Kg 1 4/27/2009 01:12 PM
Vinyl chloride	ND 0.73	6.2	µg/Kg 1 4/27/2009 01:12 PM
Surr: 1,2-Dichloroethane-d4	105 0	68-147	%REC 1 4/27/2009 01:12 PM
Surr: 4-Bromofluorobenzene	109 0	67-127	%REC 1 4/27/2009 01:12 PM
Surr: Dibromofluoromethane	108 0	72-141	%REC 1 4/27/2009 01:12 PM
Surr: Toluene-d8	109 0	75-120	%REC 1 4/27/2009 01:12 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105210
Project: 207126015
Lab ID: 105210-034A

Client Sample ID: 1001-119-20-S
Collection Date: 4/23/2009 3:03:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS4_090427A	QC Batch: K09VS064	PrepDate: 4/28/2009	Analyst: HH
1,1,1,2-Tetrachloroethane	ND 1.5	4.4	µg/Kg 1 4/27/2009 01:28 PM
1,1,1-Trichloroethane	ND 0.57	4.4	µg/Kg 1 4/27/2009 01:28 PM
1,1,2,2-Tetrachloroethane	ND 1.4	4.4	µg/Kg 1 4/27/2009 01:28 PM
1,1,2-Trichloroethane	ND 1.4	4.4	µg/Kg 1 4/27/2009 01:28 PM
1,1-Dichloroethane	ND 0.44	4.4	µg/Kg 1 4/27/2009 01:28 PM
1,1-Dichloroethene	ND 1.1	4.4	µg/Kg 1 4/27/2009 01:28 PM
1,1-Dichloropropene	ND 1.3	4.4	µg/Kg 1 4/27/2009 01:28 PM
1,2,3-Trichlorobenzene	ND 0.91	4.4	µg/Kg 1 4/27/2009 01:28 PM
1,2,3-Trichloropropane	ND 0.66	4.4	µg/Kg 1 4/27/2009 01:28 PM
1,2,4-Trichlorobenzene	ND 1.2	4.4	µg/Kg 1 4/27/2009 01:28 PM
1,2,4-Trimethylbenzene	ND 0.75	4.4	µg/Kg 1 4/27/2009 01:28 PM
1,2-Dibromo-3-chloropropane	ND 1.7	8.8	µg/Kg 1 4/27/2009 01:28 PM
1,2-Dibromoethane	ND 1.3	4.4	µg/Kg 1 4/27/2009 01:28 PM
1,2-Dichlorobenzene	ND 0.73	4.4	µg/Kg 1 4/27/2009 01:28 PM
1,2-Dichloroethane	ND 1.0	4.4	µg/Kg 1 4/27/2009 01:28 PM
1,2-Dichloropropane	ND 1.4	4.4	µg/Kg 1 4/27/2009 01:28 PM
1,3,5-Trimethylbenzene	ND 0.88	4.4	µg/Kg 1 4/27/2009 01:28 PM
1,3-Dichlorobenzene	ND 0.88	4.4	µg/Kg 1 4/27/2009 01:28 PM
1,3-Dichloropropane	ND 0.92	4.4	µg/Kg 1 4/27/2009 01:28 PM
1,4-Dichlorobenzene	ND 1.1	4.4	µg/Kg 1 4/27/2009 01:28 PM
2,2-Dichloropropane	ND 0.76	4.4	µg/Kg 1 4/27/2009 01:28 PM
2-Chlorotoluene	ND 0.58	4.4	µg/Kg 1 4/27/2009 01:28 PM
4-Chlorotoluene	ND 0.59	4.4	µg/Kg 1 4/27/2009 01:28 PM
4-Isopropyltoluene	ND 0.50	4.4	µg/Kg 1 4/27/2009 01:28 PM
Benzene	ND 0.72	4.4	µg/Kg 1 4/27/2009 01:28 PM
Bromobenzene	ND 1.4	4.4	µg/Kg 1 4/27/2009 01:28 PM
Bromodichloromethane	ND 0.75	4.4	µg/Kg 1 4/27/2009 01:28 PM
Bromoform	ND 1.1	4.4	µg/Kg 1 4/27/2009 01:28 PM
Bromomethane	ND 0.77	4.4	µg/Kg 1 4/27/2009 01:28 PM
Carbon tetrachloride	ND 1.2	4.4	µg/Kg 1 4/27/2009 01:28 PM
Chlorobenzene	ND 0.79	4.4	µg/Kg 1 4/27/2009 01:28 PM
Chloroethane	ND 1.2	4.4	µg/Kg 1 4/27/2009 01:28 PM
Chloroform	ND 0.54	4.4	µg/Kg 1 4/27/2009 01:28 PM
Chloromethane	ND 0.72	4.4	µg/Kg 1 4/27/2009 01:28 PM
cis-1,2-Dichloroethene	ND 1.1	4.4	µg/Kg 1 4/27/2009 01:28 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105210
Project: 207126015
Lab ID: 105210-034A

Client Sample ID: 1001-119-20-S
Collection Date: 4/23/2009 3:03:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS4_090427A	QC Batch: K09VS064	PrepDate: 4/28/2009	Analyst: HH
cis-1,3-Dichloropropene	ND 1.1	4.4	µg/Kg 1 4/27/2009 01:28 PM
Dibromochloromethane	ND 0.60	4.4	µg/Kg 1 4/27/2009 01:28 PM
Dibromomethane	ND 1.5	4.4	µg/Kg 1 4/27/2009 01:28 PM
Dichlorodifluoromethane	ND 0.53	4.4	µg/Kg 1 4/27/2009 01:28 PM
Ethylbenzene	ND 0.80	4.4	µg/Kg 1 4/27/2009 01:28 PM
Hexachlorobutadiene	ND 3.0	4.4	µg/Kg 1 4/27/2009 01:28 PM
Isopropylbenzene	ND 1.1	4.4	µg/Kg 1 4/27/2009 01:28 PM
m,p-Xylene	ND 1.5	8.8	µg/Kg 1 4/27/2009 01:28 PM
Methylene chloride	ND 4.4	4.4	µg/Kg 1 4/27/2009 01:28 PM
n-Butylbenzene	ND 0.91	4.4	µg/Kg 1 4/27/2009 01:28 PM
n-Propylbenzene	ND 0.79	4.4	µg/Kg 1 4/27/2009 01:28 PM
Naphthalene	ND 1.5	4.4	µg/Kg 1 4/27/2009 01:28 PM
o-Xylene	ND 0.90	4.4	µg/Kg 1 4/27/2009 01:28 PM
sec-Butylbenzene	ND 0.75	4.4	µg/Kg 1 4/27/2009 01:28 PM
Styrene	ND 0.79	4.4	µg/Kg 1 4/27/2009 01:28 PM
tert-Butylbenzene	ND 0.53	4.4	µg/Kg 1 4/27/2009 01:28 PM
Tetrachloroethene	ND 0.93	4.4	µg/Kg 1 4/27/2009 01:28 PM
Toluene	ND 0.73	4.4	µg/Kg 1 4/27/2009 01:28 PM
trans-1,2-Dichloroethene	ND 0.87	4.4	µg/Kg 1 4/27/2009 01:28 PM
Trichloroethene	ND 1.7	4.4	µg/Kg 1 4/27/2009 01:28 PM
Trichlorofluoromethane	ND 1.0	4.4	µg/Kg 1 4/27/2009 01:28 PM
Vinyl chloride	ND 0.52	4.4	µg/Kg 1 4/27/2009 01:28 PM
Surr: 1,2-Dichloroethane-d4	111 0	68-147	%REC 1 4/27/2009 01:28 PM
Surr: 4-Bromofluorobenzene	109 0	67-127	%REC 1 4/27/2009 01:28 PM
Surr: Dibromofluoromethane	113 0	72-141	%REC 1 4/27/2009 01:28 PM
Surr: Toluene-d8	109 0	75-120	%REC 1 4/27/2009 01:28 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105210
Project: 207126015
Lab ID: 105210-035A

Client Sample ID: 1001-119-25-S
Collection Date: 4/23/2009 3:05:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS4_090427A	QC Batch: K09VS064	PrepDate: 4/28/2009	Analyst: HH
1,1,1,2-Tetrachloroethane	ND 1.6	4.5	µg/Kg 1 4/27/2009 01:45 PM
1,1,1-Trichloroethane	ND 0.58	4.5	µg/Kg 1 4/27/2009 01:45 PM
1,1,2,2-Tetrachloroethane	ND 1.4	4.5	µg/Kg 1 4/27/2009 01:45 PM
1,1,2-Trichloroethane	ND 1.5	4.5	µg/Kg 1 4/27/2009 01:45 PM
1,1-Dichloroethane	ND 0.46	4.5	µg/Kg 1 4/27/2009 01:45 PM
1,1-Dichloroethene	ND 1.1	4.5	µg/Kg 1 4/27/2009 01:45 PM
1,1-Dichloropropene	ND 1.4	4.5	µg/Kg 1 4/27/2009 01:45 PM
1,2,3-Trichlorobenzene	ND 0.94	4.5	µg/Kg 1 4/27/2009 01:45 PM
1,2,3-Trichloropropane	ND 0.68	4.5	µg/Kg 1 4/27/2009 01:45 PM
1,2,4-Trichlorobenzene	ND 1.2	4.5	µg/Kg 1 4/27/2009 01:45 PM
1,2,4-Trimethylbenzene	ND 0.78	4.5	µg/Kg 1 4/27/2009 01:45 PM
1,2-Dibromo-3-chloropropane	ND 1.7	9.0	µg/Kg 1 4/27/2009 01:45 PM
1,2-Dibromoethane	ND 1.3	4.5	µg/Kg 1 4/27/2009 01:45 PM
1,2-Dichlorobenzene	ND 0.75	4.5	µg/Kg 1 4/27/2009 01:45 PM
1,2-Dichloroethane	ND 1.1	4.5	µg/Kg 1 4/27/2009 01:45 PM
1,2-Dichloropropane	ND 1.4	4.5	µg/Kg 1 4/27/2009 01:45 PM
1,3,5-Trimethylbenzene	ND 0.90	4.5	µg/Kg 1 4/27/2009 01:45 PM
1,3-Dichlorobenzene	ND 0.91	4.5	µg/Kg 1 4/27/2009 01:45 PM
1,3-Dichloropropane	ND 0.95	4.5	µg/Kg 1 4/27/2009 01:45 PM
1,4-Dichlorobenzene	ND 1.1	4.5	µg/Kg 1 4/27/2009 01:45 PM
2,2-Dichloropropane	ND 0.79	4.5	µg/Kg 1 4/27/2009 01:45 PM
2-Chlorotoluene	ND 0.59	4.5	µg/Kg 1 4/27/2009 01:45 PM
4-Chlorotoluene	ND 0.61	4.5	µg/Kg 1 4/27/2009 01:45 PM
4-Isopropyltoluene	ND 0.52	4.5	µg/Kg 1 4/27/2009 01:45 PM
Benzene	ND 0.74	4.5	µg/Kg 1 4/27/2009 01:45 PM
Bromobenzene	ND 1.4	4.5	µg/Kg 1 4/27/2009 01:45 PM
Bromodichloromethane	ND 0.77	4.5	µg/Kg 1 4/27/2009 01:45 PM
Bromoform	ND 1.1	4.5	µg/Kg 1 4/27/2009 01:45 PM
Bromomethane	ND 0.79	4.5	µg/Kg 1 4/27/2009 01:45 PM
Carbon tetrachloride	ND 1.2	4.5	µg/Kg 1 4/27/2009 01:45 PM
Chlorobenzene	ND 0.81	4.5	µg/Kg 1 4/27/2009 01:45 PM
Chloroethane	ND 1.2	4.5	µg/Kg 1 4/27/2009 01:45 PM
Chloroform	ND 0.56	4.5	µg/Kg 1 4/27/2009 01:45 PM
Chloromethane	ND 0.74	4.5	µg/Kg 1 4/27/2009 01:45 PM
cis-1,2-Dichloroethene	ND 1.1	4.5	µg/Kg 1 4/27/2009 01:45 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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Advanced Technology Laboratories**ANALYTICAL RESULTS**

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105210
Project: 207126015
Lab ID: 105210-035A

Client Sample ID: 1001-119-25-S
Collection Date: 4/23/2009 3:05:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS**EPA 8260B**

RunID: MS4_090427A	QC Batch: K09VS064	PrepDate: 4/28/2009	Analyst: HH
cis-1,3-Dichloropropene	ND 1.1	4.5	µg/Kg 1 4/27/2009 01:45 PM
Dibromochloromethane	ND 0.61	4.5	µg/Kg 1 4/27/2009 01:45 PM
Dibromomethane	ND 1.5	4.5	µg/Kg 1 4/27/2009 01:45 PM
Dichlorodifluoromethane	ND 0.54	4.5	µg/Kg 1 4/27/2009 01:45 PM
Ethylbenzene	ND 0.82	4.5	µg/Kg 1 4/27/2009 01:45 PM
Hexachlorobutadiene	ND 3.1	4.5	µg/Kg 1 4/27/2009 01:45 PM
Isopropylbenzene	ND 1.1	4.5	µg/Kg 1 4/27/2009 01:45 PM
m,p-Xylene	ND 1.5	9.0	µg/Kg 1 4/27/2009 01:45 PM
Methylene chloride	ND 4.5	4.5	µg/Kg 1 4/27/2009 01:45 PM
n-Butylbenzene	ND 0.94	4.5	µg/Kg 1 4/27/2009 01:45 PM
n-Propylbenzene	ND 0.82	4.5	µg/Kg 1 4/27/2009 01:45 PM
Naphthalene	ND 1.5	4.5	µg/Kg 1 4/27/2009 01:45 PM
o-Xylene	ND 0.93	4.5	µg/Kg 1 4/27/2009 01:45 PM
sec-Butylbenzene	ND 0.77	4.5	µg/Kg 1 4/27/2009 01:45 PM
Styrene	ND 0.81	4.5	µg/Kg 1 4/27/2009 01:45 PM
tert-Butylbenzene	ND 0.55	4.5	µg/Kg 1 4/27/2009 01:45 PM
Tetrachloroethene	ND 0.95	4.5	µg/Kg 1 4/27/2009 01:45 PM
Toluene	ND 0.75	4.5	µg/Kg 1 4/27/2009 01:45 PM
trans-1,2-Dichloroethene	ND 0.90	4.5	µg/Kg 1 4/27/2009 01:45 PM
Trichloroethene	ND 1.8	4.5	µg/Kg 1 4/27/2009 01:45 PM
Trichlorofluoromethane	ND 1.0	4.5	µg/Kg 1 4/27/2009 01:45 PM
Vinyl chloride	ND 0.53	4.5	µg/Kg 1 4/27/2009 01:45 PM
Surr: 1,2-Dichloroethane-d4	107 0	68-147	%REC 1 4/27/2009 01:45 PM
Surr: 4-Bromofluorobenzene	108 0	67-127	%REC 1 4/27/2009 01:45 PM
Surr: Dibromofluoromethane	112 0	72-141	%REC 1 4/27/2009 01:45 PM
Surr: Toluene-d8	109 0	75-120	%REC 1 4/27/2009 01:45 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105210
Project: 207126015
Lab ID: 105210-036A

Client Sample ID: 1001-119-30-S
Collection Date: 4/23/2009 3:08:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS4_090427A	QC Batch: K09VS064	PrepDate: 4/28/2009	Analyst: HH
1,1,1,2-Tetrachloroethane	ND 1.9	5.4	µg/Kg 1 4/27/2009 02:02 PM
1,1,1-Trichloroethane	ND 0.69	5.4	µg/Kg 1 4/27/2009 02:02 PM
1,1,2,2-Tetrachloroethane	ND 1.7	5.4	µg/Kg 1 4/27/2009 02:02 PM
1,1,2-Trichloroethane	ND 1.8	5.4	µg/Kg 1 4/27/2009 02:02 PM
1,1-Dichloroethane	ND 0.54	5.4	µg/Kg 1 4/27/2009 02:02 PM
1,1-Dichloroethene	ND 1.4	5.4	µg/Kg 1 4/27/2009 02:02 PM
1,1-Dichloropropene	ND 1.6	5.4	µg/Kg 1 4/27/2009 02:02 PM
1,2,3-Trichlorobenzene	ND 1.1	5.4	µg/Kg 1 4/27/2009 02:02 PM
1,2,3-Trichloropropane	ND 0.81	5.4	µg/Kg 1 4/27/2009 02:02 PM
1,2,4-Trichlorobenzene	ND 1.4	5.4	µg/Kg 1 4/27/2009 02:02 PM
1,2,4-Trimethylbenzene	ND 0.92	5.4	µg/Kg 1 4/27/2009 02:02 PM
1,2-Dibromo-3-chloropropane	ND 2.1	11	µg/Kg 1 4/27/2009 02:02 PM
1,2-Dibromoethane	ND 1.6	5.4	µg/Kg 1 4/27/2009 02:02 PM
1,2-Dichlorobenzene	ND 0.89	5.4	µg/Kg 1 4/27/2009 02:02 PM
1,2-Dichloroethane	ND 1.3	5.4	µg/Kg 1 4/27/2009 02:02 PM
1,2-Dichloropropane	ND 1.7	5.4	µg/Kg 1 4/27/2009 02:02 PM
1,3,5-Trimethylbenzene	ND 1.1	5.4	µg/Kg 1 4/27/2009 02:02 PM
1,3-Dichlorobenzene	ND 1.1	5.4	µg/Kg 1 4/27/2009 02:02 PM
1,3-Dichloropropane	ND 1.1	5.4	µg/Kg 1 4/27/2009 02:02 PM
1,4-Dichlorobenzene	ND 1.3	5.4	µg/Kg 1 4/27/2009 02:02 PM
2,2-Dichloropropane	ND 0.94	5.4	µg/Kg 1 4/27/2009 02:02 PM
2-Chlorotoluene	ND 0.71	5.4	µg/Kg 1 4/27/2009 02:02 PM
4-Chlorotoluene	ND 0.73	5.4	µg/Kg 1 4/27/2009 02:02 PM
4-Isopropyltoluene	ND 0.62	5.4	µg/Kg 1 4/27/2009 02:02 PM
Benzene	ND 0.88	5.4	µg/Kg 1 4/27/2009 02:02 PM
Bromobenzene	ND 1.7	5.4	µg/Kg 1 4/27/2009 02:02 PM
Bromodichloromethane	ND 0.92	5.4	µg/Kg 1 4/27/2009 02:02 PM
Bromoform	ND 1.3	5.4	µg/Kg 1 4/27/2009 02:02 PM
Bromomethane	ND 0.94	5.4	µg/Kg 1 4/27/2009 02:02 PM
Carbon tetrachloride	ND 1.4	5.4	µg/Kg 1 4/27/2009 02:02 PM
Chlorobenzene	ND 0.96	5.4	µg/Kg 1 4/27/2009 02:02 PM
Chloroethane	ND 1.4	5.4	µg/Kg 1 4/27/2009 02:02 PM
Chloroform	ND 0.67	5.4	µg/Kg 1 4/27/2009 02:02 PM
Chloromethane	ND 0.88	5.4	µg/Kg 1 4/27/2009 02:02 PM
cis-1,2-Dichloroethene	ND 1.3	5.4	µg/Kg 1 4/27/2009 02:02 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



Advanced Technology
Laboratories

3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105210
Project: 207126015
Lab ID: 105210-036A

Client Sample ID: 1001-119-30-S
Collection Date: 4/23/2009 3:08:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS4_090427A	QC Batch: K09VS064	PrepDate: 4/28/2009	Analyst: HH
cis-1,3-Dichloropropene	ND 1.4	5.4	µg/Kg 1 4/27/2009 02:02 PM
Dibromochloromethane	ND 0.73	5.4	µg/Kg 1 4/27/2009 02:02 PM
Dibromomethane	ND 1.8	5.4	µg/Kg 1 4/27/2009 02:02 PM
Dichlorodifluoromethane	ND 0.65	5.4	µg/Kg 1 4/27/2009 02:02 PM
Ethylbenzene	ND 0.98	5.4	µg/Kg 1 4/27/2009 02:02 PM
Hexachlorobutadiene	ND 3.6	5.4	µg/Kg 1 4/27/2009 02:02 PM
Isopropylbenzene	ND 1.3	5.4	µg/Kg 1 4/27/2009 02:02 PM
m,p-Xylene	ND 1.8	11	µg/Kg 1 4/27/2009 02:02 PM
Methylene chloride	ND 5.4	5.4	µg/Kg 1 4/27/2009 02:02 PM
n-Butylbenzene	ND 1.1	5.4	µg/Kg 1 4/27/2009 02:02 PM
n-Propylbenzene	ND 0.97	5.4	µg/Kg 1 4/27/2009 02:02 PM
Naphthalene	ND 1.8	5.4	µg/Kg 1 4/27/2009 02:02 PM
o-Xylene	ND 1.1	5.4	µg/Kg 1 4/27/2009 02:02 PM
sec-Butylbenzene	ND 0.92	5.4	µg/Kg 1 4/27/2009 02:02 PM
Styrene	ND 0.96	5.4	µg/Kg 1 4/27/2009 02:02 PM
tert-Butylbenzene	ND 0.65	5.4	µg/Kg 1 4/27/2009 02:02 PM
Tetrachloroethene	ND 1.1	5.4	µg/Kg 1 4/27/2009 02:02 PM
Toluene	ND 0.89	5.4	µg/Kg 1 4/27/2009 02:02 PM
trans-1,2-Dichloroethene	ND 1.1	5.4	µg/Kg 1 4/27/2009 02:02 PM
Trichloroethene	ND 2.1	5.4	µg/Kg 1 4/27/2009 02:02 PM
Trichlorofluoromethane	ND 1.2	5.4	µg/Kg 1 4/27/2009 02:02 PM
Vinyl chloride	ND 0.63	5.4	µg/Kg 1 4/27/2009 02:02 PM
Surr: 1,2-Dichloroethane-d4	114 0	68-147	%REC 1 4/27/2009 02:02 PM
Surr: 4-Bromofluorobenzene	109 0	67-127	%REC 1 4/27/2009 02:02 PM
Surr: Dibromofluoromethane	113 0	72-141	%REC 1 4/27/2009 02:02 PM
Surr: Toluene-d8	113 0	75-120	%REC 1 4/27/2009 02:02 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105210
Project: 207126015
Lab ID: 105210-037A

Client Sample ID: 1001-119-35-S
Collection Date: 4/23/2009 3:10:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS4_090427A	QC Batch: K09VS064	PrepDate: 4/28/2009	Analyst: HH
1,1,1,2-Tetrachloroethane	ND 1.9	5.4	µg/Kg 1 4/27/2009 02:19 PM
1,1,1-Trichloroethane	ND 0.69	5.4	µg/Kg 1 4/27/2009 02:19 PM
1,1,2,2-Tetrachloroethane	ND 1.7	5.4	µg/Kg 1 4/27/2009 02:19 PM
1,1,2-Trichloroethane	ND 1.8	5.4	µg/Kg 1 4/27/2009 02:19 PM
1,1-Dichloroethane	ND 0.54	5.4	µg/Kg 1 4/27/2009 02:19 PM
1,1-Dichloroethene	ND 1.4	5.4	µg/Kg 1 4/27/2009 02:19 PM
1,1-Dichloropropene	ND 1.6	5.4	µg/Kg 1 4/27/2009 02:19 PM
1,2,3-Trichlorobenzene	ND 1.1	5.4	µg/Kg 1 4/27/2009 02:19 PM
1,2,3-Trichloropropane	ND 0.81	5.4	µg/Kg 1 4/27/2009 02:19 PM
1,2,4-Trichlorobenzene	ND 1.4	5.4	µg/Kg 1 4/27/2009 02:19 PM
1,2,4-Trimethylbenzene	ND 0.92	5.4	µg/Kg 1 4/27/2009 02:19 PM
1,2-Dibromo-3-chloropropane	ND 2.1	11	µg/Kg 1 4/27/2009 02:19 PM
1,2-Dibromoethane	ND 1.6	5.4	µg/Kg 1 4/27/2009 02:19 PM
1,2-Dichlorobenzene	ND 0.89	5.4	µg/Kg 1 4/27/2009 02:19 PM
1,2-Dichloroethane	ND 1.3	5.4	µg/Kg 1 4/27/2009 02:19 PM
1,2-Dichloropropane	ND 1.7	5.4	µg/Kg 1 4/27/2009 02:19 PM
1,3,5-Trimethylbenzene	ND 1.1	5.4	µg/Kg 1 4/27/2009 02:19 PM
1,3-Dichlorobenzene	ND 1.1	5.4	µg/Kg 1 4/27/2009 02:19 PM
1,3-Dichloropropane	ND 1.1	5.4	µg/Kg 1 4/27/2009 02:19 PM
1,4-Dichlorobenzene	ND 1.3	5.4	µg/Kg 1 4/27/2009 02:19 PM
2,2-Dichloropropane	ND 0.94	5.4	µg/Kg 1 4/27/2009 02:19 PM
2-Chlorotoluene	ND 0.71	5.4	µg/Kg 1 4/27/2009 02:19 PM
4-Chlorotoluene	ND 0.73	5.4	µg/Kg 1 4/27/2009 02:19 PM
4-Isopropyltoluene	ND 0.62	5.4	µg/Kg 1 4/27/2009 02:19 PM
Benzene	ND 0.88	5.4	µg/Kg 1 4/27/2009 02:19 PM
Bromobenzene	ND 1.7	5.4	µg/Kg 1 4/27/2009 02:19 PM
Bromodichloromethane	ND 0.92	5.4	µg/Kg 1 4/27/2009 02:19 PM
Bromoform	ND 1.3	5.4	µg/Kg 1 4/27/2009 02:19 PM
Bromomethane	ND 0.94	5.4	µg/Kg 1 4/27/2009 02:19 PM
Carbon tetrachloride	ND 1.4	5.4	µg/Kg 1 4/27/2009 02:19 PM
Chlorobenzene	ND 0.96	5.4	µg/Kg 1 4/27/2009 02:19 PM
Chloroethane	ND 1.4	5.4	µg/Kg 1 4/27/2009 02:19 PM
Chloroform	ND 0.67	5.4	µg/Kg 1 4/27/2009 02:19 PM
Chloromethane	ND 0.88	5.4	µg/Kg 1 4/27/2009 02:19 PM
cis-1,2-Dichloroethene	ND 1.3	5.4	µg/Kg 1 4/27/2009 02:19 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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Advanced Technology Laboratories**ANALYTICAL RESULTS**

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105210
Project: 207126015
Lab ID: 105210-037A

Client Sample ID: 1001-119-35-S
Collection Date: 4/23/2009 3:10:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS**EPA 8260B**

RunID: MS4_090427A	QC Batch: K09VS064	PrepDate: 4/28/2009	Analyst: HH
cis-1,3-Dichloropropene	ND 1.4	5.4	µg/Kg 1 4/27/2009 02:19 PM
Dibromochloromethane	ND 0.73	5.4	µg/Kg 1 4/27/2009 02:19 PM
Dibromomethane	ND 1.8	5.4	µg/Kg 1 4/27/2009 02:19 PM
Dichlorodifluoromethane	ND 0.65	5.4	µg/Kg 1 4/27/2009 02:19 PM
Ethylbenzene	ND 0.98	5.4	µg/Kg 1 4/27/2009 02:19 PM
Hexachlorobutadiene	ND 3.6	5.4	µg/Kg 1 4/27/2009 02:19 PM
Isopropylbenzene	ND 1.3	5.4	µg/Kg 1 4/27/2009 02:19 PM
m,p-Xylene	ND 1.8	11	µg/Kg 1 4/27/2009 02:19 PM
Methylene chloride	ND 5.4	5.4	µg/Kg 1 4/27/2009 02:19 PM
n-Butylbenzene	ND 1.1	5.4	µg/Kg 1 4/27/2009 02:19 PM
n-Propylbenzene	ND 0.97	5.4	µg/Kg 1 4/27/2009 02:19 PM
Naphthalene	ND 1.8	5.4	µg/Kg 1 4/27/2009 02:19 PM
o-Xylene	ND 1.1	5.4	µg/Kg 1 4/27/2009 02:19 PM
sec-Butylbenzene	ND 0.92	5.4	µg/Kg 1 4/27/2009 02:19 PM
Styrene	ND 0.96	5.4	µg/Kg 1 4/27/2009 02:19 PM
tert-Butylbenzene	ND 0.65	5.4	µg/Kg 1 4/27/2009 02:19 PM
Tetrachloroethene	ND 1.1	5.4	µg/Kg 1 4/27/2009 02:19 PM
Toluene	ND 0.89	5.4	µg/Kg 1 4/27/2009 02:19 PM
trans-1,2-Dichloroethene	ND 1.1	5.4	µg/Kg 1 4/27/2009 02:19 PM
Trichloroethene	ND 2.1	5.4	µg/Kg 1 4/27/2009 02:19 PM
Trichlorofluoromethane	ND 1.2	5.4	µg/Kg 1 4/27/2009 02:19 PM
Vinyl chloride	ND 0.63	5.4	µg/Kg 1 4/27/2009 02:19 PM
Surr: 1,2-Dichloroethane-d4	117 0	68-147	%REC 1 4/27/2009 02:19 PM
Surr: 4-Bromofluorobenzene	109 0	67-127	%REC 1 4/27/2009 02:19 PM
Surr: Dibromofluoromethane	113 0	72-141	%REC 1 4/27/2009 02:19 PM
Surr: Toluene-d8	112 0	75-120	%REC 1 4/27/2009 02:19 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105210
Project: 207126015
Lab ID: 105210-038A

Client Sample ID: 1001-119-40-S
Collection Date: 4/23/2009 3:12:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS4_090427A	QC Batch: K09VS064	PrepDate: 4/28/2009	Analyst: HH			
1,1,1,2-Tetrachloroethane	ND	1.6	4.7	µg/Kg	1	4/27/2009 02:45 PM
1,1,1-Trichloroethane	ND	0.61	4.7	µg/Kg	1	4/27/2009 02:45 PM
1,1,2,2-Tetrachloroethane	ND	1.5	4.7	µg/Kg	1	4/27/2009 02:45 PM
1,1,2-Trichloroethane	ND	1.6	4.7	µg/Kg	1	4/27/2009 02:45 PM
1,1-Dichloroethane	ND	0.48	4.7	µg/Kg	1	4/27/2009 02:45 PM
1,1-Dichloroethene	ND	1.2	4.7	µg/Kg	1	4/27/2009 02:45 PM
1,1-Dichloropropene	ND	1.4	4.7	µg/Kg	1	4/27/2009 02:45 PM
1,2,3-Trichlorobenzene	ND	0.98	4.7	µg/Kg	1	4/27/2009 02:45 PM
1,2,3-Trichloropropane	ND	0.71	4.7	µg/Kg	1	4/27/2009 02:45 PM
1,2,4-Trichlorobenzene	ND	1.3	4.7	µg/Kg	1	4/27/2009 02:45 PM
1,2,4-Trimethylbenzene	ND	0.81	4.7	µg/Kg	1	4/27/2009 02:45 PM
1,2-Dibromo-3-chloropropane	ND	1.8	9.5	µg/Kg	1	4/27/2009 02:45 PM
1,2-Dibromoethane	ND	1.4	4.7	µg/Kg	1	4/27/2009 02:45 PM
1,2-Dichlorobenzene	ND	0.79	4.7	µg/Kg	1	4/27/2009 02:45 PM
1,2-Dichloroethane	ND	1.1	4.7	µg/Kg	1	4/27/2009 02:45 PM
1,2-Dichloropropane	ND	1.5	4.7	µg/Kg	1	4/27/2009 02:45 PM
1,3,5-Trimethylbenzene	ND	0.95	4.7	µg/Kg	1	4/27/2009 02:45 PM
1,3-Dichlorobenzene	ND	0.95	4.7	µg/Kg	1	4/27/2009 02:45 PM
1,3-Dichloropropane	ND	1.0	4.7	µg/Kg	1	4/27/2009 02:45 PM
1,4-Dichlorobenzene	ND	1.1	4.7	µg/Kg	1	4/27/2009 02:45 PM
2,2-Dichloropropane	ND	0.82	4.7	µg/Kg	1	4/27/2009 02:45 PM
2-Chlorotoluene	ND	0.62	4.7	µg/Kg	1	4/27/2009 02:45 PM
4-Chlorotoluene	ND	0.64	4.7	µg/Kg	1	4/27/2009 02:45 PM
4-Isopropyltoluene	ND	0.54	4.7	µg/Kg	1	4/27/2009 02:45 PM
Benzene	ND	0.78	4.7	µg/Kg	1	4/27/2009 02:45 PM
Bromobenzene	ND	1.5	4.7	µg/Kg	1	4/27/2009 02:45 PM
Bromodichloromethane	ND	0.81	4.7	µg/Kg	1	4/27/2009 02:45 PM
Bromoform	ND	1.1	4.7	µg/Kg	1	4/27/2009 02:45 PM
Bromomethane	ND	0.83	4.7	µg/Kg	1	4/27/2009 02:45 PM
Carbon tetrachloride	ND	1.3	4.7	µg/Kg	1	4/27/2009 02:45 PM
Chlorobenzene	ND	0.85	4.7	µg/Kg	1	4/27/2009 02:45 PM
Chloroethane	ND	1.2	4.7	µg/Kg	1	4/27/2009 02:45 PM
Chloroform	ND	0.59	4.7	µg/Kg	1	4/27/2009 02:45 PM
Chloromethane	ND	0.77	4.7	µg/Kg	1	4/27/2009 02:45 PM
cis-1,2-Dichloroethene	ND	1.1	4.7	µg/Kg	1	4/27/2009 02:45 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105210
Project: 207126015
Lab ID: 105210-038A

Client Sample ID: 1001-119-40-S
Collection Date: 4/23/2009 3:12:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS4_090427A	QC Batch: K09VS064	PrepDate: 4/28/2009	Analyst: HH
cis-1,3-Dichloropropene	ND 1.2	4.7	µg/Kg 1 4/27/2009 02:45 PM
Dibromochloromethane	ND 0.64	4.7	µg/Kg 1 4/27/2009 02:45 PM
Dibromomethane	ND 1.6	4.7	µg/Kg 1 4/27/2009 02:45 PM
Dichlorodifluoromethane	ND 0.57	4.7	µg/Kg 1 4/27/2009 02:45 PM
Ethylbenzene	ND 0.86	4.7	µg/Kg 1 4/27/2009 02:45 PM
Hexachlorobutadiene	ND 3.2	4.7	µg/Kg 1 4/27/2009 02:45 PM
Isopropylbenzene	ND 1.2	4.7	µg/Kg 1 4/27/2009 02:45 PM
m,p-Xylene	ND 1.6	9.5	µg/Kg 1 4/27/2009 02:45 PM
Methylene chloride	ND 4.7	4.7	µg/Kg 1 4/27/2009 02:45 PM
n-Butylbenzene	ND 0.98	4.7	µg/Kg 1 4/27/2009 02:45 PM
n-Propylbenzene	ND 0.85	4.7	µg/Kg 1 4/27/2009 02:45 PM
Naphthalene	ND 1.6	4.7	µg/Kg 1 4/27/2009 02:45 PM
o-Xylene	ND 0.97	4.7	µg/Kg 1 4/27/2009 02:45 PM
sec-Butylbenzene	ND 0.81	4.7	µg/Kg 1 4/27/2009 02:45 PM
Styrene	ND 0.85	4.7	µg/Kg 1 4/27/2009 02:45 PM
tert-Butylbenzene	ND 0.58	4.7	µg/Kg 1 4/27/2009 02:45 PM
Tetrachloroethene	ND 1.0	4.7	µg/Kg 1 4/27/2009 02:45 PM
Toluene	ND 0.78	4.7	µg/Kg 1 4/27/2009 02:45 PM
trans-1,2-Dichloroethene	ND 0.94	4.7	µg/Kg 1 4/27/2009 02:45 PM
Trichloroethene	ND 1.9	4.7	µg/Kg 1 4/27/2009 02:45 PM
Trichlorofluoromethane	ND 1.1	4.7	µg/Kg 1 4/27/2009 02:45 PM
Vinyl chloride	ND 0.56	4.7	µg/Kg 1 4/27/2009 02:45 PM
Surr: 1,2-Dichloroethane-d4	117 0	68-147	%REC 1 4/27/2009 02:45 PM
Surr: 4-Bromofluorobenzene	110 0	67-127	%REC 1 4/27/2009 02:45 PM
Surr: Dibromofluoromethane	113 0	72-141	%REC 1 4/27/2009 02:45 PM
Surr: Toluene-d8	112 0	75-120	%REC 1 4/27/2009 02:45 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105210
Project: 207126015
Lab ID: 105210-039A

Client Sample ID: 1001-120-5-S
Collection Date: 4/23/2009 3:50:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS4_090427A	QC Batch: K09VS064	PrepDate: 4/28/2009	Analyst: HH
1,1,1,2-Tetrachloroethane	ND 1.6	4.6	µg/Kg 1 4/27/2009 03:02 PM
1,1,1-Trichloroethane	ND 0.60	4.6	µg/Kg 1 4/27/2009 03:02 PM
1,1,2,2-Tetrachloroethane	ND 1.5	4.6	µg/Kg 1 4/27/2009 03:02 PM
1,1,2-Trichloroethane	ND 1.5	4.6	µg/Kg 1 4/27/2009 03:02 PM
1,1-Dichloroethane	ND 0.47	4.6	µg/Kg 1 4/27/2009 03:02 PM
1,1-Dichloroethene	ND 1.2	4.6	µg/Kg 1 4/27/2009 03:02 PM
1,1-Dichloropropene	ND 1.4	4.6	µg/Kg 1 4/27/2009 03:02 PM
1,2,3-Trichlorobenzene	ND 0.96	4.6	µg/Kg 1 4/27/2009 03:02 PM
1,2,3-Trichloropropane	ND 0.70	4.6	µg/Kg 1 4/27/2009 03:02 PM
1,2,4-Trichlorobenzene	ND 1.2	4.6	µg/Kg 1 4/27/2009 03:02 PM
1,2,4-Trimethylbenzene	ND 0.80	4.6	µg/Kg 1 4/27/2009 03:02 PM
1,2-Dibromo-3-chloropropane	ND 1.8	9.3	µg/Kg 1 4/27/2009 03:02 PM
1,2-Dibromoethane	ND 1.4	4.6	µg/Kg 1 4/27/2009 03:02 PM
1,2-Dichlorobenzene	ND 0.77	4.6	µg/Kg 1 4/27/2009 03:02 PM
1,2-Dichloroethane	ND 1.1	4.6	µg/Kg 1 4/27/2009 03:02 PM
1,2-Dichloropropane	ND 1.5	4.6	µg/Kg 1 4/27/2009 03:02 PM
1,3,5-Trimethylbenzene	ND 0.93	4.6	µg/Kg 1 4/27/2009 03:02 PM
1,3-Dichlorobenzene	ND 0.94	4.6	µg/Kg 1 4/27/2009 03:02 PM
1,3-Dichloropropane	ND 0.98	4.6	µg/Kg 1 4/27/2009 03:02 PM
1,4-Dichlorobenzene	ND 1.1	4.6	µg/Kg 1 4/27/2009 03:02 PM
2,2-Dichloropropane	ND 0.81	4.6	µg/Kg 1 4/27/2009 03:02 PM
2-Chlorotoluene	ND 0.61	4.6	µg/Kg 1 4/27/2009 03:02 PM
4-Chlorotoluene	ND 0.63	4.6	µg/Kg 1 4/27/2009 03:02 PM
4-Isopropyltoluene	ND 0.53	4.6	µg/Kg 1 4/27/2009 03:02 PM
Benzene	ND 0.76	4.6	µg/Kg 1 4/27/2009 03:02 PM
Bromobenzene	ND 1.4	4.6	µg/Kg 1 4/27/2009 03:02 PM
Bromodichloromethane	ND 0.79	4.6	µg/Kg 1 4/27/2009 03:02 PM
Bromoform	ND 1.1	4.6	µg/Kg 1 4/27/2009 03:02 PM
Bromomethane	ND 0.81	4.6	µg/Kg 1 4/27/2009 03:02 PM
Carbon tetrachloride	ND 1.2	4.6	µg/Kg 1 4/27/2009 03:02 PM
Chlorobenzene	ND 0.83	4.6	µg/Kg 1 4/27/2009 03:02 PM
Chloroethane	ND 1.2	4.6	µg/Kg 1 4/27/2009 03:02 PM
Chloroform	ND 0.58	4.6	µg/Kg 1 4/27/2009 03:02 PM
Chloromethane	ND 0.76	4.6	µg/Kg 1 4/27/2009 03:02 PM
cis-1,2-Dichloroethene	ND 1.1	4.6	µg/Kg 1 4/27/2009 03:02 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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Laboratories

3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562.989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105210
Project: 207126015
Lab ID: 105210-039A

Client Sample ID: 1001-120-5-S
Collection Date: 4/23/2009 3:50:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS4_090427A	QC Batch: K09VS064	PrepDate: 4/28/2009	Analyst: HH
cis-1,3-Dichloropropene	ND 1.2	4.6	µg/Kg 1 4/27/2009 03:02 PM
Dibromochloromethane	ND 0.63	4.6	µg/Kg 1 4/27/2009 03:02 PM
Dibromomethane	ND 1.6	4.6	µg/Kg 1 4/27/2009 03:02 PM
Dichlorodifluoromethane	ND 0.56	4.6	µg/Kg 1 4/27/2009 03:02 PM
Ethylbenzene	ND 0.84	4.6	µg/Kg 1 4/27/2009 03:02 PM
Hexachlorobutadiene	ND 3.1	4.6	µg/Kg 1 4/27/2009 03:02 PM
Isopropylbenzene	ND 1.1	4.6	µg/Kg 1 4/27/2009 03:02 PM
m,p-Xylene	ND 1.6	9.3	µg/Kg 1 4/27/2009 03:02 PM
Methylene chloride	ND 4.6	4.6	µg/Kg 1 4/27/2009 03:02 PM
n-Butylbenzene	ND 0.97	4.6	µg/Kg 1 4/27/2009 03:02 PM
n-Propylbenzene	ND 0.84	4.6	µg/Kg 1 4/27/2009 03:02 PM
Naphthalene	ND 1.5	4.6	µg/Kg 1 4/27/2009 03:02 PM
o-Xylene	ND 0.95	4.6	µg/Kg 1 4/27/2009 03:02 PM
sec-Butylbenzene	ND 0.79	4.6	µg/Kg 1 4/27/2009 03:02 PM
Styrene	ND 0.83	4.6	µg/Kg 1 4/27/2009 03:02 PM
tert-Butylbenzene	ND 0.56	4.6	µg/Kg 1 4/27/2009 03:02 PM
Tetrachloroethene	31 0.98	4.6	µg/Kg 1 4/27/2009 03:02 PM
Toluene	ND 0.77	4.6	µg/Kg 1 4/27/2009 03:02 PM
trans-1,2-Dichloroethene	ND 0.92	4.6	µg/Kg 1 4/27/2009 03:02 PM
Trichloroethene	ND 1.8	4.6	µg/Kg 1 4/27/2009 03:02 PM
Trichlorofluoromethane	ND 1.1	4.6	µg/Kg 1 4/27/2009 03:02 PM
Vinyl chloride	ND 0.55	4.6	µg/Kg 1 4/27/2009 03:02 PM
Surr: 1,2-Dichloroethane-d4	118 0	68-147	%REC 1 4/27/2009 03:02 PM
Surr: 4-Bromofluorobenzene	103 0	67-127	%REC 1 4/27/2009 03:02 PM
Surr: Dibromofluoromethane	116 0	72-141	%REC 1 4/27/2009 03:02 PM
Surr: Toluene-d8	110 0	75-120	%REC 1 4/27/2009 03:02 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



Advanced Technology
Laboratories

3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105210
Project: 207126015
Lab ID: 105210-040A

Client Sample ID: 1001-120-10-S
Collection Date: 4/23/2009 3:55:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS4_090427A	QC Batch: K09VS064	PrepDate: 4/28/2009	Analyst: HH
1,1,1,2-Tetrachloroethane	ND 1.5	4.4	µg/Kg 1 4/27/2009 03:19 PM
1,1,1-Trichloroethane	ND 0.56	4.4	µg/Kg 1 4/27/2009 03:19 PM
1,1,2,2-Tetrachloroethane	ND 1.4	4.4	µg/Kg 1 4/27/2009 03:19 PM
1,1,2-Trichloroethane	ND 1.4	4.4	µg/Kg 1 4/27/2009 03:19 PM
1,1-Dichloroethane	ND 0.44	4.4	µg/Kg 1 4/27/2009 03:19 PM
1,1-Dichloroethene	ND 1.1	4.4	µg/Kg 1 4/27/2009 03:19 PM
1,1-Dichloropropene	ND 1.3	4.4	µg/Kg 1 4/27/2009 03:19 PM
1,2,3-Trichlorobenzene	ND 0.90	4.4	µg/Kg 1 4/27/2009 03:19 PM
1,2,3-Trichloropropane	ND 0.65	4.4	µg/Kg 1 4/27/2009 03:19 PM
1,2,4-Trichlorobenzene	ND 1.2	4.4	µg/Kg 1 4/27/2009 03:19 PM
1,2,4-Trimethylbenzene	ND 0.75	4.4	µg/Kg 1 4/27/2009 03:19 PM
1,2-Dibromo-3-chloropropane	ND 1.7	8.7	µg/Kg 1 4/27/2009 03:19 PM
1,2-Dibromoethane	ND 1.3	4.4	µg/Kg 1 4/27/2009 03:19 PM
1,2-Dichlorobenzene	ND 0.73	4.4	µg/Kg 1 4/27/2009 03:19 PM
1,2-Dichloroethane	ND 1.0	4.4	µg/Kg 1 4/27/2009 03:19 PM
1,2-Dichloropropane	ND 1.4	4.4	µg/Kg 1 4/27/2009 03:19 PM
1,3,5-Trimethylbenzene	ND 0.87	4.4	µg/Kg 1 4/27/2009 03:19 PM
1,3-Dichlorobenzene	ND 0.88	4.4	µg/Kg 1 4/27/2009 03:19 PM
1,3-Dichloropropane	ND 0.92	4.4	µg/Kg 1 4/27/2009 03:19 PM
1,4-Dichlorobenzene	ND 1.0	4.4	µg/Kg 1 4/27/2009 03:19 PM
2,2-Dichloropropane	ND 0.76	4.4	µg/Kg 1 4/27/2009 03:19 PM
2-Chlorotoluene	ND 0.58	4.4	µg/Kg 1 4/27/2009 03:19 PM
4-Chlorotoluene	ND 0.59	4.4	µg/Kg 1 4/27/2009 03:19 PM
4-Isopropyltoluene	ND 0.50	4.4	µg/Kg 1 4/27/2009 03:19 PM
Benzene	ND 0.72	4.4	µg/Kg 1 4/27/2009 03:19 PM
Bromobenzene	ND 1.4	4.4	µg/Kg 1 4/27/2009 03:19 PM
Bromodichloromethane	ND 0.75	4.4	µg/Kg 1 4/27/2009 03:19 PM
Bromoform	ND 1.1	4.4	µg/Kg 1 4/27/2009 03:19 PM
Bromomethane	ND 0.76	4.4	µg/Kg 1 4/27/2009 03:19 PM
Carbon tetrachloride	ND 1.2	4.4	µg/Kg 1 4/27/2009 03:19 PM
Chlorobenzene	ND 0.78	4.4	µg/Kg 1 4/27/2009 03:19 PM
Chloroethane	ND 1.2	4.4	µg/Kg 1 4/27/2009 03:19 PM
Chloroform	ND 0.54	4.4	µg/Kg 1 4/27/2009 03:19 PM
Chloromethane	ND 0.71	4.4	µg/Kg 1 4/27/2009 03:19 PM
cis-1,2-Dichloroethene	ND 1.1	4.4	µg/Kg 1 4/27/2009 03:19 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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Laboratories

3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105210
Project: 207126015
Lab ID: 105210-040A

Client Sample ID: 1001-120-10-S
Collection Date: 4/23/2009 3:55:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS4_090427A	QC Batch: K09VS064	PrepDate: 4/28/2009	Analyst: HH
cis-1,3-Dichloropropene	ND 1.1	4.4	µg/Kg 1 4/27/2009 03:19 PM
Dibromochloromethane	ND 0.59	4.4	µg/Kg 1 4/27/2009 03:19 PM
Dibromomethane	ND 1.5	4.4	µg/Kg 1 4/27/2009 03:19 PM
Dichlorodifluoromethane	ND 0.52	4.4	µg/Kg 1 4/27/2009 03:19 PM
Ethylbenzene	ND 0.79	4.4	µg/Kg 1 4/27/2009 03:19 PM
Hexachlorobutadiene	ND 3.0	4.4	µg/Kg 1 4/27/2009 03:19 PM
Isopropylbenzene	ND 1.1	4.4	µg/Kg 1 4/27/2009 03:19 PM
m,p-Xylene	ND 1.5	8.7	µg/Kg 1 4/27/2009 03:19 PM
Methylene chloride	ND 4.4	4.4	µg/Kg 1 4/27/2009 03:19 PM
n-Butylbenzene	ND 0.91	4.4	µg/Kg 1 4/27/2009 03:19 PM
n-Propylbenzene	ND 0.79	4.4	µg/Kg 1 4/27/2009 03:19 PM
Naphthalene	ND 1.5	4.4	µg/Kg 1 4/27/2009 03:19 PM
o-Xylene	ND 0.90	4.4	µg/Kg 1 4/27/2009 03:19 PM
sec-Butylbenzene	ND 0.74	4.4	µg/Kg 1 4/27/2009 03:19 PM
Styrene	ND 0.78	4.4	µg/Kg 1 4/27/2009 03:19 PM
tert-Butylbenzene	ND 0.53	4.4	µg/Kg 1 4/27/2009 03:19 PM
Tetrachloroethene	ND 0.92	4.4	µg/Kg 1 4/27/2009 03:19 PM
Toluene	ND 0.72	4.4	µg/Kg 1 4/27/2009 03:19 PM
trans-1,2-Dichloroethene	ND 0.87	4.4	µg/Kg 1 4/27/2009 03:19 PM
Trichloroethene	ND 1.7	4.4	µg/Kg 1 4/27/2009 03:19 PM
Trichlorofluoromethane	ND 1.0	4.4	µg/Kg 1 4/27/2009 03:19 PM
Vinyl chloride	ND 0.51	4.4	µg/Kg 1 4/27/2009 03:19 PM
Surr: 1,2-Dichloroethane-d4	118 0	68-147	%REC 1 4/27/2009 03:19 PM
Surr: 4-Bromofluorobenzene	110 0	67-127	%REC 1 4/27/2009 03:19 PM
Surr: Dibromofluoromethane	117 0	72-141	%REC 1 4/27/2009 03:19 PM
Surr: Toluene-d8	113 0	75-120	%REC 1 4/27/2009 03:19 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105210
Project: 207126015
Lab ID: 105210-041A

Client Sample ID: 1001-120-20-S
Collection Date: 4/23/2009 3:58:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS4_090427A	QC Batch: K09VS064	PrepDate: 4/28/2009	Analyst: HH
1,1,1,2-Tetrachloroethane	ND 1.9	5.5	µg/Kg 1 4/27/2009 03:36 PM
1,1,1-Trichloroethane	ND 0.71	5.5	µg/Kg 1 4/27/2009 03:36 PM
1,1,2,2-Tetrachloroethane	ND 1.7	5.5	µg/Kg 1 4/27/2009 03:36 PM
1,1,2-Trichloroethane	ND 1.8	5.5	µg/Kg 1 4/27/2009 03:36 PM
1,1-Dichloroethane	ND 0.55	5.5	µg/Kg 1 4/27/2009 03:36 PM
1,1-Dichloroethene	ND 1.4	5.5	µg/Kg 1 4/27/2009 03:36 PM
1,1-Dichloropropene	ND 1.7	5.5	µg/Kg 1 4/27/2009 03:36 PM
1,2,3-Trichlorobenzene	ND 1.1	5.5	µg/Kg 1 4/27/2009 03:36 PM
1,2,3-Trichloropropane	ND 0.82	5.5	µg/Kg 1 4/27/2009 03:36 PM
1,2,4-Trichlorobenzene	ND 1.5	5.5	µg/Kg 1 4/27/2009 03:36 PM
1,2,4-Trimethylbenzene	ND 0.94	5.5	µg/Kg 1 4/27/2009 03:36 PM
1,2-Dibromo-3-chloropropane	ND 2.1	11	µg/Kg 1 4/27/2009 03:36 PM
1,2-Dibromoethane	ND 1.6	5.5	µg/Kg 1 4/27/2009 03:36 PM
1,2-Dichlorobenzene	ND 0.91	5.5	µg/Kg 1 4/27/2009 03:36 PM
1,2-Dichloroethane	ND 1.3	5.5	µg/Kg 1 4/27/2009 03:36 PM
1,2-Dichloropropane	ND 1.7	5.5	µg/Kg 1 4/27/2009 03:36 PM
1,3,5-Trimethylbenzene	ND 1.1	5.5	µg/Kg 1 4/27/2009 03:36 PM
1,3-Dichlorobenzene	ND 1.1	5.5	µg/Kg 1 4/27/2009 03:36 PM
1,3-Dichloropropane	ND 1.2	5.5	µg/Kg 1 4/27/2009 03:36 PM
1,4-Dichlorobenzene	ND 1.3	5.5	µg/Kg 1 4/27/2009 03:36 PM
2,2-Dichloropropane	ND 0.95	5.5	µg/Kg 1 4/27/2009 03:36 PM
2-Chlorotoluene	ND 0.72	5.5	µg/Kg 1 4/27/2009 03:36 PM
4-Chlorotoluene	ND 0.74	5.5	µg/Kg 1 4/27/2009 03:36 PM
4-Isopropyltoluene	ND 0.63	5.5	µg/Kg 1 4/27/2009 03:36 PM
Benzene	ND 0.90	5.5	µg/Kg 1 4/27/2009 03:36 PM
Bromobenzene	ND 1.7	5.5	µg/Kg 1 4/27/2009 03:36 PM
Bromodichloromethane	ND 0.93	5.5	µg/Kg 1 4/27/2009 03:36 PM
Bromoform	ND 1.3	5.5	µg/Kg 1 4/27/2009 03:36 PM
Bromomethane	ND 0.96	5.5	µg/Kg 1 4/27/2009 03:36 PM
Carbon tetrachloride	ND 1.5	5.5	µg/Kg 1 4/27/2009 03:36 PM
Chlorobenzene	ND 0.98	5.5	µg/Kg 1 4/27/2009 03:36 PM
Chloroethane	ND 1.4	5.5	µg/Kg 1 4/27/2009 03:36 PM
Chloroform	ND 0.68	5.5	µg/Kg 1 4/27/2009 03:36 PM
Chloromethane	ND 0.89	5.5	µg/Kg 1 4/27/2009 03:36 PM
cis-1,2-Dichloroethene	ND 1.3	5.5	µg/Kg 1 4/27/2009 03:36 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105210
Project: 207126015
Lab ID: 105210-041A

Client Sample ID: 1001-120-20-S
Collection Date: 4/23/2009 3:58:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS4_090427A	QC Batch: K09VS064	PrepDate: 4/28/2009	Analyst: HH
cis-1,3-Dichloropropene	ND 1.4	5.5	µg/Kg 1 4/27/2009 03:36 PM
Dibromochloromethane	ND 0.75	5.5	µg/Kg 1 4/27/2009 03:36 PM
Dibromomethane	ND 1.8	5.5	µg/Kg 1 4/27/2009 03:36 PM
Dichlorodifluoromethane	ND 0.66	5.5	µg/Kg 1 4/27/2009 03:36 PM
Ethylbenzene	ND 1.0	5.5	µg/Kg 1 4/27/2009 03:36 PM
Hexachlorobutadiene	ND 3.7	5.5	µg/Kg 1 4/27/2009 03:36 PM
Isopropylbenzene	ND 1.3	5.5	µg/Kg 1 4/27/2009 03:36 PM
m,p-Xylene	ND 1.8	11	µg/Kg 1 4/27/2009 03:36 PM
Methylene chloride	ND 5.5	5.5	µg/Kg 1 4/27/2009 03:36 PM
n-Butylbenzene	ND 1.1	5.5	µg/Kg 1 4/27/2009 03:36 PM
n-Propylbenzene	ND 0.99	5.5	µg/Kg 1 4/27/2009 03:36 PM
Naphthalene	ND 1.8	5.5	µg/Kg 1 4/27/2009 03:36 PM
o-Xylene	ND 1.1	5.5	µg/Kg 1 4/27/2009 03:36 PM
sec-Butylbenzene	ND 0.93	5.5	µg/Kg 1 4/27/2009 03:36 PM
Styrene	ND 0.98	5.5	µg/Kg 1 4/27/2009 03:36 PM
tert-Butylbenzene	ND 0.67	5.5	µg/Kg 1 4/27/2009 03:36 PM
Tetrachloroethene	ND 1.2	5.5	µg/Kg 1 4/27/2009 03:36 PM
Toluene	ND 0.91	5.5	µg/Kg 1 4/27/2009 03:36 PM
trans-1,2-Dichloroethene	ND 1.1	5.5	µg/Kg 1 4/27/2009 03:36 PM
Trichloroethene	ND 2.2	5.5	µg/Kg 1 4/27/2009 03:36 PM
Trichlorofluoromethane	ND 1.3	5.5	µg/Kg 1 4/27/2009 03:36 PM
Vinyl chloride	ND 0.64	5.5	µg/Kg 1 4/27/2009 03:36 PM
Surr: 1,2-Dichloroethane-d4	122 0	68-147	%REC 1 4/27/2009 03:36 PM
Surr: 4-Bromofluorobenzene	111 0	67-127	%REC 1 4/27/2009 03:36 PM
Surr: Dibromofluoromethane	116 0	72-141	%REC 1 4/27/2009 03:36 PM
Surr: Toluene-d8	110 0	75-120	%REC 1 4/27/2009 03:36 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105210
Project: 207126015
Lab ID: 105210-042A

Client Sample ID: 1001-120-25-S
Collection Date: 4/23/2009 4:00:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS5_090427B	QC Batch: T09VS111	PrepDate: 4/27/2009	Analyst: HH
1,1,1,2-Tetrachloroethane	ND 1.6	4.7	µg/Kg 1 4/27/2009 05:37 PM
1,1,1-Trichloroethane	ND 0.60	4.7	µg/Kg 1 4/27/2009 05:37 PM
1,1,2,2-Tetrachloroethane	ND 1.5	4.7	µg/Kg 1 4/27/2009 05:37 PM
1,1,2-Trichloroethane	ND 1.5	4.7	µg/Kg 1 4/27/2009 05:37 PM
1,1-Dichloroethane	ND 0.47	4.7	µg/Kg 1 4/27/2009 05:37 PM
1,1-Dichloroethene	ND 1.2	4.7	µg/Kg 1 4/27/2009 05:37 PM
1,1-Dichloropropene	ND 1.4	4.7	µg/Kg 1 4/27/2009 05:37 PM
1,2,3-Trichlorobenzene	ND 0.97	4.7	µg/Kg 1 4/27/2009 05:37 PM
1,2,3-Trichloropropane	ND 0.70	4.7	µg/Kg 1 4/27/2009 05:37 PM
1,2,4-Trichlorobenzene	ND 1.3	4.7	µg/Kg 1 4/27/2009 05:37 PM
1,2,4-Trimethylbenzene	ND 0.80	4.7	µg/Kg 1 4/27/2009 05:37 PM
1,2-Dibromo-3-chloropropane	ND 1.8	9.3	µg/Kg 1 4/27/2009 05:37 PM
1,2-Dibromoethane	ND 1.4	4.7	µg/Kg 1 4/27/2009 05:37 PM
1,2-Dichlorobenzene	ND 0.78	4.7	µg/Kg 1 4/27/2009 05:37 PM
1,2-Dichloroethane	ND 1.1	4.7	µg/Kg 1 4/27/2009 05:37 PM
1,2-Dichloropropane	ND 1.5	4.7	µg/Kg 1 4/27/2009 05:37 PM
1,3,5-Trimethylbenzene	ND 0.94	4.7	µg/Kg 1 4/27/2009 05:37 PM
1,3-Dichlorobenzene	ND 0.94	4.7	µg/Kg 1 4/27/2009 05:37 PM
1,3-Dichloropropane	ND 0.98	4.7	µg/Kg 1 4/27/2009 05:37 PM
1,4-Dichlorobenzene	ND 1.1	4.7	µg/Kg 1 4/27/2009 05:37 PM
2,2-Dichloropropane	ND 0.81	4.7	µg/Kg 1 4/27/2009 05:37 PM
2-Chlorotoluene	ND 0.62	4.7	µg/Kg 1 4/27/2009 05:37 PM
4-Chlorotoluene	ND 0.63	4.7	µg/Kg 1 4/27/2009 05:37 PM
4-Isopropyltoluene	ND 0.53	4.7	µg/Kg 1 4/27/2009 05:37 PM
Benzene	ND 0.77	4.7	µg/Kg 1 4/27/2009 05:37 PM
Bromobenzene	ND 1.5	4.7	µg/Kg 1 4/27/2009 05:37 PM
Bromodichloromethane	ND 0.80	4.7	µg/Kg 1 4/27/2009 05:37 PM
Bromoform	ND 1.1	4.7	µg/Kg 1 4/27/2009 05:37 PM
Bromomethane	ND 0.82	4.7	µg/Kg 1 4/27/2009 05:37 PM
Carbon tetrachloride	ND 1.2	4.7	µg/Kg 1 4/27/2009 05:37 PM
Chlorobenzene	ND 0.84	4.7	µg/Kg 1 4/27/2009 05:37 PM
Chloroethane	ND 1.2	4.7	µg/Kg 1 4/27/2009 05:37 PM
Chloroform	ND 0.58	4.7	µg/Kg 1 4/27/2009 05:37 PM
Chloromethane	ND 0.76	4.7	µg/Kg 1 4/27/2009 05:37 PM
cis-1,2-Dichloroethene	ND 1.1	4.7	µg/Kg 1 4/27/2009 05:37 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105210
Project: 207126015
Lab ID: 105210-042A

Client Sample ID: 1001-120-25-S
Collection Date: 4/23/2009 4:00:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS5_090427B	QC Batch: T09VS111	PrepDate: 4/27/2009	Analyst: HH
cis-1,3-Dichloropropene	ND 1.2	4.7	µg/Kg 1 4/27/2009 05:37 PM
Dibromochloromethane	ND 0.64	4.7	µg/Kg 1 4/27/2009 05:37 PM
Dibromomethane	ND 1.6	4.7	µg/Kg 1 4/27/2009 05:37 PM
Dichlorodifluoromethane	ND 0.56	4.7	µg/Kg 1 4/27/2009 05:37 PM
Ethylbenzene	ND 0.85	4.7	µg/Kg 1 4/27/2009 05:37 PM
Hexachlorobutadiene	ND 3.2	4.7	µg/Kg 1 4/27/2009 05:37 PM
Isopropylbenzene	ND 1.1	4.7	µg/Kg 1 4/27/2009 05:37 PM
m,p-Xylene	ND 1.6	9.3	µg/Kg 1 4/27/2009 05:37 PM
Methylene chloride	ND 4.7	4.7	µg/Kg 1 4/27/2009 05:37 PM
n-Butylbenzene	ND 0.97	4.7	µg/Kg 1 4/27/2009 05:37 PM
n-Propylbenzene	ND 0.84	4.7	µg/Kg 1 4/27/2009 05:37 PM
Naphthalene	ND 1.6	4.7	µg/Kg 1 4/27/2009 05:37 PM
o-Xylene	ND 0.96	4.7	µg/Kg 1 4/27/2009 05:37 PM
sec-Butylbenzene	ND 0.80	4.7	µg/Kg 1 4/27/2009 05:37 PM
Styrene	ND 0.84	4.7	µg/Kg 1 4/27/2009 05:37 PM
tert-Butylbenzene	ND 0.57	4.7	µg/Kg 1 4/27/2009 05:37 PM
Tetrachloroethene	ND 0.99	4.7	µg/Kg 1 4/27/2009 05:37 PM
Toluene	ND 0.78	4.7	µg/Kg 1 4/27/2009 05:37 PM
trans-1,2-Dichloroethene	ND 0.93	4.7	µg/Kg 1 4/27/2009 05:37 PM
Trichloroethene	ND 1.8	4.7	µg/Kg 1 4/27/2009 05:37 PM
Trichlorofluoromethane	ND 1.1	4.7	µg/Kg 1 4/27/2009 05:37 PM
Vinyl chloride	ND 0.55	4.7	µg/Kg 1 4/27/2009 05:37 PM
Surr: 1,2-Dichloroethane-d4	114 0	68-147	%REC 1 4/27/2009 05:37 PM
Surr: 4-Bromofluorobenzene	101 0	67-127	%REC 1 4/27/2009 05:37 PM
Surr: Dibromofluoromethane	115 0	72-141	%REC 1 4/27/2009 05:37 PM
Surr: Toluene-d8	113 0	75-120	%REC 1 4/27/2009 05:37 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105210
Project: 207126015
Lab ID: 105210-043A

Client Sample ID: 1001-120-25D-S
Collection Date: 4/23/2009 4:00:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS5_090427B	QC Batch: T09VS111	PrepDate: 4/27/2009	Analyst: HH
1,1,1,2-Tetrachloroethane	ND 2.2	6.3	µg/Kg 1 4/27/2009 07:53 PM
1,1,1-Trichloroethane	ND 0.81	6.3	µg/Kg 1 4/27/2009 07:53 PM
1,1,2,2-Tetrachloroethane	ND 2.0	6.3	µg/Kg 1 4/27/2009 07:53 PM
1,1,2-Trichloroethane	ND 2.1	6.3	µg/Kg 1 4/27/2009 07:53 PM
1,1-Dichloroethane	ND 0.63	6.3	µg/Kg 1 4/27/2009 07:53 PM
1,1-Dichloroethene	ND 1.6	6.3	µg/Kg 1 4/27/2009 07:53 PM
1,1-Dichloropropene	ND 1.9	6.3	µg/Kg 1 4/27/2009 07:53 PM
1,2,3-Trichlorobenzene	ND 1.3	6.3	µg/Kg 1 4/27/2009 07:53 PM
1,2,3-Trichloropropane	ND 0.94	6.3	µg/Kg 1 4/27/2009 07:53 PM
1,2,4-Trichlorobenzene	ND 1.7	6.3	µg/Kg 1 4/27/2009 07:53 PM
1,2,4-Trimethylbenzene	ND 1.1	6.3	µg/Kg 1 4/27/2009 07:53 PM
1,2-Dibromo-3-chloropropane	ND 2.4	13	µg/Kg 1 4/27/2009 07:53 PM
1,2-Dibromoethane	ND 1.8	6.3	µg/Kg 1 4/27/2009 07:53 PM
1,2-Dichlorobenzene	ND 1.0	6.3	µg/Kg 1 4/27/2009 07:53 PM
1,2-Dichloroethane	ND 1.5	6.3	µg/Kg 1 4/27/2009 07:53 PM
1,2-Dichloropropane	ND 2.0	6.3	µg/Kg 1 4/27/2009 07:53 PM
1,3,5-Trimethylbenzene	ND 1.3	6.3	µg/Kg 1 4/27/2009 07:53 PM
1,3-Dichlorobenzene	ND 1.3	6.3	µg/Kg 1 4/27/2009 07:53 PM
1,3-Dichloropropane	ND 1.3	6.3	µg/Kg 1 4/27/2009 07:53 PM
1,4-Dichlorobenzene	ND 1.5	6.3	µg/Kg 1 4/27/2009 07:53 PM
2,2-Dichloropropane	ND 1.1	6.3	µg/Kg 1 4/27/2009 07:53 PM
2-Chlorotoluene	ND 0.83	6.3	µg/Kg 1 4/27/2009 07:53 PM
4-Chlorotoluene	ND 0.85	6.3	µg/Kg 1 4/27/2009 07:53 PM
4-Isopropyltoluene	ND 0.72	6.3	µg/Kg 1 4/27/2009 07:53 PM
Benzene	ND 1.0	6.3	µg/Kg 1 4/27/2009 07:53 PM
Bromobenzene	ND 2.0	6.3	µg/Kg 1 4/27/2009 07:53 PM
Bromodichloromethane	ND 1.1	6.3	µg/Kg 1 4/27/2009 07:53 PM
Bromoform	ND 1.5	6.3	µg/Kg 1 4/27/2009 07:53 PM
Bromomethane	ND 1.1	6.3	µg/Kg 1 4/27/2009 07:53 PM
Carbon tetrachloride	ND 1.7	6.3	µg/Kg 1 4/27/2009 07:53 PM
Chlorobenzene	ND 1.1	6.3	µg/Kg 1 4/27/2009 07:53 PM
Chloroethane	ND 1.7	6.3	µg/Kg 1 4/27/2009 07:53 PM
Chloroform	ND 0.78	6.3	µg/Kg 1 4/27/2009 07:53 PM
Chloromethane	ND 1.0	6.3	µg/Kg 1 4/27/2009 07:53 PM
cis-1,2-Dichloroethene	ND 1.5	6.3	µg/Kg 1 4/27/2009 07:53 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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Laboratories

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Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105210
Project: 207126015
Lab ID: 105210-043A

Client Sample ID: 1001-120-25D-S
Collection Date: 4/23/2009 4:00:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS5_090427B	QC Batch: T09VS111	PrepDate: 4/27/2009	Analyst: HH
cis-1,3-Dichloropropene	ND 1.6	6.3	µg/Kg 1 4/27/2009 07:53 PM
Dibromochloromethane	ND 0.86	6.3	µg/Kg 1 4/27/2009 07:53 PM
Dibromomethane	ND 2.1	6.3	µg/Kg 1 4/27/2009 07:53 PM
Dichlorodifluoromethane	ND 0.76	6.3	µg/Kg 1 4/27/2009 07:53 PM
Ethylbenzene	ND 1.1	6.3	µg/Kg 1 4/27/2009 07:53 PM
Hexachlorobutadiene	ND 4.3	6.3	µg/Kg 1 4/27/2009 07:53 PM
Isopropylbenzene	ND 1.5	6.3	µg/Kg 1 4/27/2009 07:53 PM
m,p-Xylene	ND 2.1	13	µg/Kg 1 4/27/2009 07:53 PM
Methylene chloride	ND 6.3	6.3	µg/Kg 1 4/27/2009 07:53 PM
n-Butylbenzene	ND 1.3	6.3	µg/Kg 1 4/27/2009 07:53 PM
n-Propylbenzene	ND 1.1	6.3	µg/Kg 1 4/27/2009 07:53 PM
Naphthalene	ND 2.1	6.3	µg/Kg 1 4/27/2009 07:53 PM
o-Xylene	ND 1.3	6.3	µg/Kg 1 4/27/2009 07:53 PM
sec-Butylbenzene	ND 1.1	6.3	µg/Kg 1 4/27/2009 07:53 PM
Styrene	ND 1.1	6.3	µg/Kg 1 4/27/2009 07:53 PM
tert-Butylbenzene	ND 0.77	6.3	µg/Kg 1 4/27/2009 07:53 PM
Tetrachloroethene	ND 1.3	6.3	µg/Kg 1 4/27/2009 07:53 PM
Toluene	ND 1.0	6.3	µg/Kg 1 4/27/2009 07:53 PM
trans-1,2-Dichloroethene	ND 1.2	6.3	µg/Kg 1 4/27/2009 07:53 PM
Trichloroethene	ND 2.5	6.3	µg/Kg 1 4/27/2009 07:53 PM
Trichlorofluoromethane	ND 1.5	6.3	µg/Kg 1 4/27/2009 07:53 PM
Vinyl chloride	ND 0.74	6.3	µg/Kg 1 4/27/2009 07:53 PM
Surr: 1,2-Dichloroethane-d4	115 0	68-147	%REC 1 4/27/2009 07:53 PM
Surr: 4-Bromofluorobenzene	94.8 0	67-127	%REC 1 4/27/2009 07:53 PM
Surr: Dibromofluoromethane	115 0	72-141	%REC 1 4/27/2009 07:53 PM
Surr: Toluene-d8	100 0	75-120	%REC 1 4/27/2009 07:53 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105210
Project: 207126015
Lab ID: 105210-044A

Client Sample ID: 1001-120-30-S
Collection Date: 4/23/2009 4:03:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS5_090427B	QC Batch: T09VS111	PrepDate: 4/27/2009	Analyst: HH
1,1,1,2-Tetrachloroethane	ND 1.4	4.0	µg/Kg 1 4/27/2009 08:13 PM
1,1,1-Trichloroethane	ND 0.52	4.0	µg/Kg 1 4/27/2009 08:13 PM
1,1,2,2-Tetrachloroethane	ND 1.3	4.0	µg/Kg 1 4/27/2009 08:13 PM
1,1,2-Trichloroethane	ND 1.3	4.0	µg/Kg 1 4/27/2009 08:13 PM
1,1-Dichloroethane	ND 0.40	4.0	µg/Kg 1 4/27/2009 08:13 PM
1,1-Dichloroethene	ND 1.0	4.0	µg/Kg 1 4/27/2009 08:13 PM
1,1-Dichloropropene	ND 1.2	4.0	µg/Kg 1 4/27/2009 08:13 PM
1,2,3-Trichlorobenzene	ND 0.83	4.0	µg/Kg 1 4/27/2009 08:13 PM
1,2,3-Trichloropropane	ND 0.60	4.0	µg/Kg 1 4/27/2009 08:13 PM
1,2,4-Trichlorobenzene	ND 1.1	4.0	µg/Kg 1 4/27/2009 08:13 PM
1,2,4-Trimethylbenzene	ND 0.69	4.0	µg/Kg 1 4/27/2009 08:13 PM
1,2-Dibromo-3-chloropropane	ND 1.5	8.0	µg/Kg 1 4/27/2009 08:13 PM
1,2-Dibromoethane	ND 1.2	4.0	µg/Kg 1 4/27/2009 08:13 PM
1,2-Dichlorobenzene	ND 0.67	4.0	µg/Kg 1 4/27/2009 08:13 PM
1,2-Dichloroethane	ND 0.94	4.0	µg/Kg 1 4/27/2009 08:13 PM
1,2-Dichloropropane	ND 1.3	4.0	µg/Kg 1 4/27/2009 08:13 PM
1,3,5-Trimethylbenzene	ND 0.80	4.0	µg/Kg 1 4/27/2009 08:13 PM
1,3-Dichlorobenzene	ND 0.81	4.0	µg/Kg 1 4/27/2009 08:13 PM
1,3-Dichloropropane	ND 0.84	4.0	µg/Kg 1 4/27/2009 08:13 PM
1,4-Dichlorobenzene	ND 0.96	4.0	µg/Kg 1 4/27/2009 08:13 PM
2,2-Dichloropropane	ND 0.70	4.0	µg/Kg 1 4/27/2009 08:13 PM
2-Chlorotoluene	ND 0.53	4.0	µg/Kg 1 4/27/2009 08:13 PM
4-Chlorotoluene	ND 0.54	4.0	µg/Kg 1 4/27/2009 08:13 PM
4-Isopropyltoluene	ND 0.46	4.0	µg/Kg 1 4/27/2009 08:13 PM
Benzene	ND 0.66	4.0	µg/Kg 1 4/27/2009 08:13 PM
Bromobenzene	ND 1.3	4.0	µg/Kg 1 4/27/2009 08:13 PM
Bromodichloromethane	ND 0.68	4.0	µg/Kg 1 4/27/2009 08:13 PM
Bromoform	ND 0.97	4.0	µg/Kg 1 4/27/2009 08:13 PM
Bromomethane	ND 0.70	4.0	µg/Kg 1 4/27/2009 08:13 PM
Carbon tetrachloride	ND 1.1	4.0	µg/Kg 1 4/27/2009 08:13 PM
Chlorobenzene	ND 0.72	4.0	µg/Kg 1 4/27/2009 08:13 PM
Chloroethane	ND 1.1	4.0	µg/Kg 1 4/27/2009 08:13 PM
Chloroform	ND 0.50	4.0	µg/Kg 1 4/27/2009 08:13 PM
Chloromethane	ND 0.65	4.0	µg/Kg 1 4/27/2009 08:13 PM
cis-1,2-Dichloroethene	ND 0.96	4.0	µg/Kg 1 4/27/2009 08:13 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105210
Project: 207126015
Lab ID: 105210-044A

Client Sample ID: 1001-120-30-S
Collection Date: 4/23/2009 4:03:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS5_090427B	QC Batch: T09VS111	PrepDate: 4/27/2009	Analyst: HH
cis-1,3-Dichloropropene	ND 1.0	4.0	µg/Kg 1 4/27/2009 08:13 PM
Dibromochloromethane	ND 0.55	4.0	µg/Kg 1 4/27/2009 08:13 PM
Dibromomethane	ND 1.4	4.0	µg/Kg 1 4/27/2009 08:13 PM
Dichlorodifluoromethane	ND 0.48	4.0	µg/Kg 1 4/27/2009 08:13 PM
Ethylbenzene	ND 0.73	4.0	µg/Kg 1 4/27/2009 08:13 PM
Hexachlorobutadiene	ND 2.7	4.0	µg/Kg 1 4/27/2009 08:13 PM
Isopropylbenzene	ND 0.98	4.0	µg/Kg 1 4/27/2009 08:13 PM
m,p-Xylene	ND 1.4	8.0	µg/Kg 1 4/27/2009 08:13 PM
Methylene chloride	ND 4.0	4.0	µg/Kg 1 4/27/2009 08:13 PM
n-Butylbenzene	ND 0.83	4.0	µg/Kg 1 4/27/2009 08:13 PM
n-Propylbenzene	ND 0.72	4.0	µg/Kg 1 4/27/2009 08:13 PM
Naphthalene	ND 1.3	4.0	µg/Kg 1 4/27/2009 08:13 PM
o-Xylene	ND 0.82	4.0	µg/Kg 1 4/27/2009 08:13 PM
sec-Butylbenzene	ND 0.68	4.0	µg/Kg 1 4/27/2009 08:13 PM
Styrene	ND 0.72	4.0	µg/Kg 1 4/27/2009 08:13 PM
tert-Butylbenzene	ND 0.49	4.0	µg/Kg 1 4/27/2009 08:13 PM
Tetrachloroethene	ND 0.85	4.0	µg/Kg 1 4/27/2009 08:13 PM
Toluene	ND 0.67	4.0	µg/Kg 1 4/27/2009 08:13 PM
trans-1,2-Dichloroethene	ND 0.79	4.0	µg/Kg 1 4/27/2009 08:13 PM
Trichloroethene	ND 1.6	4.0	µg/Kg 1 4/27/2009 08:13 PM
Trichlorofluoromethane	ND 0.93	4.0	µg/Kg 1 4/27/2009 08:13 PM
Vinyl chloride	ND 0.47	4.0	µg/Kg 1 4/27/2009 08:13 PM
Surr: 1,2-Dichloroethane-d4	116 0	68-147	%REC 1 4/27/2009 08:13 PM
Surr: 4-Bromofluorobenzene	95.8 0	67-127	%REC 1 4/27/2009 08:13 PM
Surr: Dibromofluoromethane	115 0	72-141	%REC 1 4/27/2009 08:13 PM
Surr: Toluene-d8	104 0	75-120	%REC 1 4/27/2009 08:13 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105210
Project: 207126015
Lab ID: 105210-045A

Client Sample ID: 1001-120-35-S
Collection Date: 4/23/2009 4:05:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS5_090427B	QC Batch: T09VS111	PrepDate: 4/27/2009	Analyst: HH
1,1,1,2-Tetrachloroethane	ND 1.4	3.9	µg/Kg 1 4/27/2009 08:33 PM
1,1,1-Trichloroethane	ND 0.51	3.9	µg/Kg 1 4/27/2009 08:33 PM
1,1,2,2-Tetrachloroethane	ND 1.2	3.9	µg/Kg 1 4/27/2009 08:33 PM
1,1,2-Trichloroethane	ND 1.3	3.9	µg/Kg 1 4/27/2009 08:33 PM
1,1-Dichloroethane	ND 0.40	3.9	µg/Kg 1 4/27/2009 08:33 PM
1,1-Dichloroethene	ND 1.0	3.9	µg/Kg 1 4/27/2009 08:33 PM
1,1-Dichloropropene	ND 1.2	3.9	µg/Kg 1 4/27/2009 08:33 PM
1,2,3-Trichlorobenzene	ND 0.81	3.9	µg/Kg 1 4/27/2009 08:33 PM
1,2,3-Trichloropropane	ND 0.59	3.9	µg/Kg 1 4/27/2009 08:33 PM
1,2,4-Trichlorobenzene	ND 1.1	3.9	µg/Kg 1 4/27/2009 08:33 PM
1,2,4-Trimethylbenzene	ND 0.67	3.9	µg/Kg 1 4/27/2009 08:33 PM
1,2-Dibromo-3-chloropropane	ND 1.5	7.8	µg/Kg 1 4/27/2009 08:33 PM
1,2-Dibromoethane	ND 1.1	3.9	µg/Kg 1 4/27/2009 08:33 PM
1,2-Dichlorobenzene	ND 0.65	3.9	µg/Kg 1 4/27/2009 08:33 PM
1,2-Dichloroethane	ND 0.92	3.9	µg/Kg 1 4/27/2009 08:33 PM
1,2-Dichloropropane	ND 1.2	3.9	µg/Kg 1 4/27/2009 08:33 PM
1,3,5-Trimethylbenzene	ND 0.79	3.9	µg/Kg 1 4/27/2009 08:33 PM
1,3-Dichlorobenzene	ND 0.79	3.9	µg/Kg 1 4/27/2009 08:33 PM
1,3-Dichloropropane	ND 0.83	3.9	µg/Kg 1 4/27/2009 08:33 PM
1,4-Dichlorobenzene	ND 0.94	3.9	µg/Kg 1 4/27/2009 08:33 PM
2,2-Dichloropropane	ND 0.68	3.9	µg/Kg 1 4/27/2009 08:33 PM
2-Chlorotoluene	ND 0.52	3.9	µg/Kg 1 4/27/2009 08:33 PM
4-Chlorotoluene	ND 0.53	3.9	µg/Kg 1 4/27/2009 08:33 PM
4-Isopropyltoluene	ND 0.45	3.9	µg/Kg 1 4/27/2009 08:33 PM
Benzene	ND 0.65	3.9	µg/Kg 1 4/27/2009 08:33 PM
Bromobenzene	ND 1.2	3.9	µg/Kg 1 4/27/2009 08:33 PM
Bromodichloromethane	ND 0.67	3.9	µg/Kg 1 4/27/2009 08:33 PM
Bromoform	ND 0.95	3.9	µg/Kg 1 4/27/2009 08:33 PM
Bromomethane	ND 0.69	3.9	µg/Kg 1 4/27/2009 08:33 PM
Carbon tetrachloride	ND 1.0	3.9	µg/Kg 1 4/27/2009 08:33 PM
Chlorobenzene	ND 0.70	3.9	µg/Kg 1 4/27/2009 08:33 PM
Chloroethane	ND 1.0	3.9	µg/Kg 1 4/27/2009 08:33 PM
Chloroform	ND 0.49	3.9	µg/Kg 1 4/27/2009 08:33 PM
Chloromethane	ND 0.64	3.9	µg/Kg 1 4/27/2009 08:33 PM
cis-1,2-Dichloroethene	ND 0.95	3.9	µg/Kg 1 4/27/2009 08:33 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105210
Project: 207126015
Lab ID: 105210-045A

Client Sample ID: 1001-120-35-S
Collection Date: 4/23/2009 4:05:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS5_090427B	QC Batch: T09VS111	PrepDate: 4/27/2009	Analyst: HH
cis-1,3-Dichloropropene	ND 1.0	3.9	µg/Kg 1 4/27/2009 08:33 PM
Dibromochloromethane	ND 0.53	3.9	µg/Kg 1 4/27/2009 08:33 PM
Dibromomethane	ND 1.3	3.9	µg/Kg 1 4/27/2009 08:33 PM
Dichlorodifluoromethane	ND 0.47	3.9	µg/Kg 1 4/27/2009 08:33 PM
Ethylbenzene	ND 0.71	3.9	µg/Kg 1 4/27/2009 08:33 PM
Hexachlorobutadiene	ND 2.7	3.9	µg/Kg 1 4/27/2009 08:33 PM
Isopropylbenzene	ND 0.96	3.9	µg/Kg 1 4/27/2009 08:33 PM
m,p-Xylene	ND 1.3	7.8	µg/Kg 1 4/27/2009 08:33 PM
Methylene chloride	ND 3.9	3.9	µg/Kg 1 4/27/2009 08:33 PM
n-Butylbenzene	ND 0.82	3.9	µg/Kg 1 4/27/2009 08:33 PM
n-Propylbenzene	ND 0.71	3.9	µg/Kg 1 4/27/2009 08:33 PM
Naphthalene	ND 1.3	3.9	µg/Kg 1 4/27/2009 08:33 PM
o-Xylene	ND 0.81	3.9	µg/Kg 1 4/27/2009 08:33 PM
sec-Butylbenzene	ND 0.67	3.9	µg/Kg 1 4/27/2009 08:33 PM
Styrene	ND 0.70	3.9	µg/Kg 1 4/27/2009 08:33 PM
tert-Butylbenzene	ND 0.48	3.9	µg/Kg 1 4/27/2009 08:33 PM
Tetrachloroethene	ND 0.83	3.9	µg/Kg 1 4/27/2009 08:33 PM
Toluene	ND 0.65	3.9	µg/Kg 1 4/27/2009 08:33 PM
trans-1,2-Dichloroethene	ND 0.78	3.9	µg/Kg 1 4/27/2009 08:33 PM
Trichloroethene	ND 1.5	3.9	µg/Kg 1 4/27/2009 08:33 PM
Trichlorofluoromethane	ND 0.91	3.9	µg/Kg 1 4/27/2009 08:33 PM
Vinyl chloride	ND 0.46	3.9	µg/Kg 1 4/27/2009 08:33 PM
Surr: 1,2-Dichloroethane-d4	121 0	68-147	%REC 1 4/27/2009 08:33 PM
Surr: 4-Bromofluorobenzene	94.7 0	67-127	%REC 1 4/27/2009 08:33 PM
Surr: Dibromofluoromethane	116 0	72-141	%REC 1 4/27/2009 08:33 PM
Surr: Toluene-d8	110 0	75-120	%REC 1 4/27/2009 08:33 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105210
Project: 207126015
Lab ID: 105210-046A

Client Sample ID: 1001-120-40-S
Collection Date: 4/23/2009 4:08:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS5_090428A	QC Batch: T09VS112	PrepDate: 4/27/2009	Analyst: HH
1,1,1,2-Tetrachloroethane	ND 1.6	4.5	µg/Kg 1 4/28/2009 11:45 AM
1,1,1-Trichloroethane	ND 0.58	4.5	µg/Kg 1 4/28/2009 11:45 AM
1,1,2,2-Tetrachloroethane	ND 1.4	4.5	µg/Kg 1 4/28/2009 11:45 AM
1,1,2-Trichloroethane	ND 1.5	4.5	µg/Kg 1 4/28/2009 11:45 AM
1,1-Dichloroethane	ND 0.46	4.5	µg/Kg 1 4/28/2009 11:45 AM
1,1-Dichloroethene	ND 1.1	4.5	µg/Kg 1 4/28/2009 11:45 AM
1,1-Dichloropropene	ND 1.4	4.5	µg/Kg 1 4/28/2009 11:45 AM
1,2,3-Trichlorobenzene	ND 0.94	4.5	µg/Kg 1 4/28/2009 11:45 AM
1,2,3-Trichloropropane	ND 0.68	4.5	µg/Kg 1 4/28/2009 11:45 AM
1,2,4-Trichlorobenzene	ND 1.2	4.5	µg/Kg 1 4/28/2009 11:45 AM
1,2,4-Trimethylbenzene	ND 0.78	4.5	µg/Kg 1 4/28/2009 11:45 AM
1,2-Dibromo-3-chloropropane	ND 1.7	9.1	µg/Kg 1 4/28/2009 11:45 AM
1,2-Dibromoethane	ND 1.3	4.5	µg/Kg 1 4/28/2009 11:45 AM
1,2-Dichlorobenzene	ND 0.75	4.5	µg/Kg 1 4/28/2009 11:45 AM
1,2-Dichloroethane	ND 1.1	4.5	µg/Kg 1 4/28/2009 11:45 AM
1,2-Dichloropropane	ND 1.4	4.5	µg/Kg 1 4/28/2009 11:45 AM
1,3,5-Trimethylbenzene	ND 0.91	4.5	µg/Kg 1 4/28/2009 11:45 AM
1,3-Dichlorobenzene	ND 0.91	4.5	µg/Kg 1 4/28/2009 11:45 AM
1,3-Dichloropropane	ND 0.95	4.5	µg/Kg 1 4/28/2009 11:45 AM
1,4-Dichlorobenzene	ND 1.1	4.5	µg/Kg 1 4/28/2009 11:45 AM
2,2-Dichloropropane	ND 0.79	4.5	µg/Kg 1 4/28/2009 11:45 AM
2-Chlorotoluene	ND 0.60	4.5	µg/Kg 1 4/28/2009 11:45 AM
4-Chlorotoluene	ND 0.61	4.5	µg/Kg 1 4/28/2009 11:45 AM
4-Isopropyltoluene	ND 0.52	4.5	µg/Kg 1 4/28/2009 11:45 AM
Benzene	ND 0.74	4.5	µg/Kg 1 4/28/2009 11:45 AM
Bromobenzene	ND 1.4	4.5	µg/Kg 1 4/28/2009 11:45 AM
Bromodichloromethane	ND 0.77	4.5	µg/Kg 1 4/28/2009 11:45 AM
Bromoform	ND 1.1	4.5	µg/Kg 1 4/28/2009 11:45 AM
Bromomethane	ND 0.79	4.5	µg/Kg 1 4/28/2009 11:45 AM
Carbon tetrachloride	ND 1.2	4.5	µg/Kg 1 4/28/2009 11:45 AM
Chlorobenzene	ND 0.81	4.5	µg/Kg 1 4/28/2009 11:45 AM
Chloroethane	ND 1.2	4.5	µg/Kg 1 4/28/2009 11:45 AM
Chloroform	ND 0.56	4.5	µg/Kg 1 4/28/2009 11:45 AM
Chloromethane	ND 0.74	4.5	µg/Kg 1 4/28/2009 11:45 AM
cis-1,2-Dichloroethene	ND 1.1	4.5	µg/Kg 1 4/28/2009 11:45 AM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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Laboratories

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Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105210
Project: 207126015
Lab ID: 105210-046A

Client Sample ID: 1001-120-40-S
Collection Date: 4/23/2009 4:08:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS5_090428A	QC Batch: T09VS112	PrepDate: 4/27/2009	Analyst: HH
cis-1,3-Dichloropropene	ND 1.2	4.5	µg/Kg 1 4/28/2009 11:45 AM
Dibromochloromethane	ND 0.62	4.5	µg/Kg 1 4/28/2009 11:45 AM
Dibromomethane	ND 1.5	4.5	µg/Kg 1 4/28/2009 11:45 AM
Dichlorodifluoromethane	ND 0.54	4.5	µg/Kg 1 4/28/2009 11:45 AM
Ethylbenzene	ND 0.82	4.5	µg/Kg 1 4/28/2009 11:45 AM
Hexachlorobutadiene	ND 3.1	4.5	µg/Kg 1 4/28/2009 11:45 AM
Isopropylbenzene	ND 1.1	4.5	µg/Kg 1 4/28/2009 11:45 AM
m,p-Xylene	ND 1.5	9.1	µg/Kg 1 4/28/2009 11:45 AM
Methylene chloride	ND 4.5	4.5	µg/Kg 1 4/28/2009 11:45 AM
n-Butylbenzene	ND 0.94	4.5	µg/Kg 1 4/28/2009 11:45 AM
n-Propylbenzene	ND 0.82	4.5	µg/Kg 1 4/28/2009 11:45 AM
Naphthalene	ND 1.5	4.5	µg/Kg 1 4/28/2009 11:45 AM
o-Xylene	ND 0.93	4.5	µg/Kg 1 4/28/2009 11:45 AM
sec-Butylbenzene	ND 0.77	4.5	µg/Kg 1 4/28/2009 11:45 AM
Styrene	ND 0.81	4.5	µg/Kg 1 4/28/2009 11:45 AM
tert-Butylbenzene	ND 0.55	4.5	µg/Kg 1 4/28/2009 11:45 AM
Tetrachloroethene	ND 0.96	4.5	µg/Kg 1 4/28/2009 11:45 AM
Toluene	ND 0.75	4.5	µg/Kg 1 4/28/2009 11:45 AM
trans-1,2-Dichloroethene	ND 0.90	4.5	µg/Kg 1 4/28/2009 11:45 AM
Trichloroethene	ND 1.8	4.5	µg/Kg 1 4/28/2009 11:45 AM
Trichlorofluoromethane	ND 1.1	4.5	µg/Kg 1 4/28/2009 11:45 AM
Vinyl chloride	ND 0.53	4.5	µg/Kg 1 4/28/2009 11:45 AM
Surr: 1,2-Dichloroethane-d4	98.5 0	68-147	%REC 1 4/28/2009 11:45 AM
Surr: 4-Bromofluorobenzene	91.1 0	67-127	%REC 1 4/28/2009 11:45 AM
Surr: Dibromofluoromethane	96.6 0	72-141	%REC 1 4/28/2009 11:45 AM
Surr: Toluene-d8	101 0	75-120	%REC 1 4/28/2009 11:45 AM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105210
Project: 207126015
Lab ID: 105210-047A

Client Sample ID: QCEB-3
Collection Date: 4/23/2009 4:15:00 PM
Matrix: WATER

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS11_090430A	QC Batch: A09VW077	PrepDate:	Analyst: SLL			
1,1,1,2-Tetrachloroethane	ND	2.5	5.0	µg/L	1	4/29/2009 10:40 AM
1,1,1-Trichloroethane	ND	2.8	5.0	µg/L	1	4/29/2009 10:40 AM
1,1,2,2-Tetrachloroethane	ND	2.8	5.0	µg/L	1	4/29/2009 10:40 AM
1,1,2-Trichloroethane	ND	2.8	5.0	µg/L	1	4/29/2009 10:40 AM
1,1-Dichloroethane	ND	2.7	5.0	µg/L	1	4/29/2009 10:40 AM
1,1-Dichloroethene	ND	2.4	5.0	µg/L	1	4/29/2009 10:40 AM
1,1-Dichloropropene	ND	2.9	5.0	µg/L	1	4/29/2009 10:40 AM
1,2,3-Trichlorobenzene	ND	2.5	5.0	µg/L	1	4/29/2009 10:40 AM
1,2,3-Trichloropropane	ND	3.1	5.0	µg/L	1	4/29/2009 10:40 AM
1,2,4-Trichlorobenzene	ND	2.4	5.0	µg/L	1	4/29/2009 10:40 AM
1,2,4-Trimethylbenzene	ND	2.6	5.0	µg/L	1	4/29/2009 10:40 AM
1,2-Dibromo-3-chloropropane	ND	3.1	5.0	µg/L	1	4/29/2009 10:40 AM
1,2-Dibromoethane	ND	2.7	5.0	µg/L	1	4/29/2009 10:40 AM
1,2-Dichlorobenzene	ND	2.6	5.0	µg/L	1	4/29/2009 10:40 AM
1,2-Dichloroethane	ND	2.7	5.0	µg/L	1	4/29/2009 10:40 AM
1,2-Dichloropropane	ND	2.4	5.0	µg/L	1	4/29/2009 10:40 AM
1,3,5-Trimethylbenzene	ND	2.6	5.0	µg/L	1	4/29/2009 10:40 AM
1,3-Dichlorobenzene	ND	2.7	5.0	µg/L	1	4/29/2009 10:40 AM
1,3-Dichloropropane	ND	3.1	5.0	µg/L	1	4/29/2009 10:40 AM
1,4-Dichlorobenzene	ND	2.8	5.0	µg/L	1	4/29/2009 10:40 AM
2,2-Dichloropropane	ND	4.9	5.0	µg/L	1	4/29/2009 10:40 AM
2-Chlorotoluene	ND	2.6	5.0	µg/L	1	4/29/2009 10:40 AM
4-Chlorotoluene	ND	2.6	5.0	µg/L	1	4/29/2009 10:40 AM
4-Isopropyltoluene	ND	2.9	5.0	µg/L	1	4/29/2009 10:40 AM
Benzene	ND	2.6	5.0	µg/L	1	4/29/2009 10:40 AM
Bromobenzene	ND	2.4	5.0	µg/L	1	4/29/2009 10:40 AM
Bromodichloromethane	ND	2.5	5.0	µg/L	1	4/29/2009 10:40 AM
Bromoform	ND	2.7	5.0	µg/L	1	4/29/2009 10:40 AM
Bromomethane	ND	4.9	5.0	µg/L	1	4/29/2009 10:40 AM
Carbon tetrachloride	ND	2.9	5.0	µg/L	1	4/29/2009 10:40 AM
Chlorobenzene	ND	2.7	5.0	µg/L	1	4/29/2009 10:40 AM
Chloroethane	ND	2.8	5.0	µg/L	1	4/29/2009 10:40 AM
Chloroform	ND	2.8	5.0	µg/L	1	4/29/2009 10:40 AM
Chloromethane	ND	2.9	5.0	µg/L	1	4/29/2009 10:40 AM
cis-1,2-Dichloroethene	ND	2.7	5.0	µg/L	1	4/29/2009 10:40 AM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105210
Project: 207126015
Lab ID: 105210-047A

Client Sample ID: QCEB-3
Collection Date: 4/23/2009 4:15:00 PM
Matrix: WATER

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS11_090430A	QC Batch: A09VW077	PrepDate:	Analyst: SLL			
cis-1,3-Dichloropropene	ND	2.6	5.0	µg/L	1	4/29/2009 10:40 AM
Dibromochloromethane	ND	2.7	5.0	µg/L	1	4/29/2009 10:40 AM
Dibromomethane	ND	3.3	5.0	µg/L	1	4/29/2009 10:40 AM
Dichlorodifluoromethane	ND	2.8	5.0	µg/L	1	4/29/2009 10:40 AM
Ethylbenzene	ND	2.6	5.0	µg/L	1	4/29/2009 10:40 AM
Hexachlorobutadiene	ND	2.6	5.0	µg/L	1	4/29/2009 10:40 AM
Isopropylbenzene	ND	2.5	5.0	µg/L	1	4/29/2009 10:40 AM
m,p-Xylene	ND	5.4	10	µg/L	1	4/29/2009 10:40 AM
Methylene chloride	ND	5.0	5.0	µg/L	1	4/29/2009 10:40 AM
n-Butylbenzene	ND	2.8	5.0	µg/L	1	4/29/2009 10:40 AM
n-Propylbenzene	ND	2.7	5.0	µg/L	1	4/29/2009 10:40 AM
Naphthalene	ND	2.4	5.0	µg/L	1	4/29/2009 10:40 AM
o-Xylene	ND	2.7	5.0	µg/L	1	4/29/2009 10:40 AM
sec-Butylbenzene	ND	2.8	5.0	µg/L	1	4/29/2009 10:40 AM
Styrene	ND	2.5	5.0	µg/L	1	4/29/2009 10:40 AM
tert-Butylbenzene	ND	2.7	5.0	µg/L	1	4/29/2009 10:40 AM
Tetrachloroethene	ND	3.0	5.0	µg/L	1	4/29/2009 10:40 AM
Toluene	ND	2.6	5.0	µg/L	1	4/29/2009 10:40 AM
trans-1,2-Dichloroethene	ND	2.2	5.0	µg/L	1	4/29/2009 10:40 AM
Trichloroethene	ND	2.6	5.0	µg/L	1	4/29/2009 10:40 AM
Trichlorofluoromethane	ND	2.8	5.0	µg/L	1	4/29/2009 10:40 AM
Vinyl chloride	ND	3.1	5.0	µg/L	1	4/29/2009 10:40 AM
Surr: 1,2-Dichloroethane-d4	92.7	0	70-130	%REC	1	4/29/2009 10:40 AM
Surr: 4-Bromofluorobenzene	96.8	0	70-130	%REC	1	4/29/2009 10:40 AM
Surr: Dibromofluoromethane	97.4	0	70-130	%REC	1	4/29/2009 10:40 AM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105210
Project: 207126015
Lab ID: 105210-048A

Client Sample ID: Trip Blank
Collection Date: 4/23/2009
Matrix: WATER

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS11_090430A	QC Batch: A09VW077	PrepDate:	Analyst: SLL			
1,1,1,2-Tetrachloroethane	ND	2.5	5.0	µg/L	1	4/29/2009 09:43 AM
1,1,1-Trichloroethane	ND	2.8	5.0	µg/L	1	4/29/2009 09:43 AM
1,1,2,2-Tetrachloroethane	ND	2.8	5.0	µg/L	1	4/29/2009 09:43 AM
1,1,2-Trichloroethane	ND	2.8	5.0	µg/L	1	4/29/2009 09:43 AM
1,1-Dichloroethane	ND	2.7	5.0	µg/L	1	4/29/2009 09:43 AM
1,1-Dichloroethene	ND	2.4	5.0	µg/L	1	4/29/2009 09:43 AM
1,1-Dichloropropene	ND	2.9	5.0	µg/L	1	4/29/2009 09:43 AM
1,2,3-Trichlorobenzene	ND	2.5	5.0	µg/L	1	4/29/2009 09:43 AM
1,2,3-Trichloropropane	ND	3.1	5.0	µg/L	1	4/29/2009 09:43 AM
1,2,4-Trichlorobenzene	ND	2.4	5.0	µg/L	1	4/29/2009 09:43 AM
1,2,4-Trimethylbenzene	ND	2.6	5.0	µg/L	1	4/29/2009 09:43 AM
1,2-Dibromo-3-chloropropane	ND	3.1	5.0	µg/L	1	4/29/2009 09:43 AM
1,2-Dibromoethane	ND	2.7	5.0	µg/L	1	4/29/2009 09:43 AM
1,2-Dichlorobenzene	ND	2.6	5.0	µg/L	1	4/29/2009 09:43 AM
1,2-Dichloroethane	ND	2.7	5.0	µg/L	1	4/29/2009 09:43 AM
1,2-Dichloropropane	ND	2.4	5.0	µg/L	1	4/29/2009 09:43 AM
1,3,5-Trimethylbenzene	ND	2.6	5.0	µg/L	1	4/29/2009 09:43 AM
1,3-Dichlorobenzene	ND	2.7	5.0	µg/L	1	4/29/2009 09:43 AM
1,3-Dichloropropane	ND	3.1	5.0	µg/L	1	4/29/2009 09:43 AM
1,4-Dichlorobenzene	ND	2.8	5.0	µg/L	1	4/29/2009 09:43 AM
2,2-Dichloropropane	ND	4.9	5.0	µg/L	1	4/29/2009 09:43 AM
2-Chlorotoluene	ND	2.6	5.0	µg/L	1	4/29/2009 09:43 AM
4-Chlorotoluene	ND	2.6	5.0	µg/L	1	4/29/2009 09:43 AM
4-Isopropyltoluene	ND	2.9	5.0	µg/L	1	4/29/2009 09:43 AM
Benzene	ND	2.6	5.0	µg/L	1	4/29/2009 09:43 AM
Bromobenzene	ND	2.4	5.0	µg/L	1	4/29/2009 09:43 AM
Bromodichloromethane	ND	2.5	5.0	µg/L	1	4/29/2009 09:43 AM
Bromoform	ND	2.7	5.0	µg/L	1	4/29/2009 09:43 AM
Bromomethane	ND	4.9	5.0	µg/L	1	4/29/2009 09:43 AM
Carbon tetrachloride	ND	2.9	5.0	µg/L	1	4/29/2009 09:43 AM
Chlorobenzene	ND	2.7	5.0	µg/L	1	4/29/2009 09:43 AM
Chloroethane	ND	2.8	5.0	µg/L	1	4/29/2009 09:43 AM
Chloroform	ND	2.8	5.0	µg/L	1	4/29/2009 09:43 AM
Chloromethane	ND	2.9	5.0	µg/L	1	4/29/2009 09:43 AM
cis-1,2-Dichloroethene	ND	2.7	5.0	µg/L	1	4/29/2009 09:43 AM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 01-May-09

CLIENT: Ninyo & Moore
Lab Order: 105210
Project: 207126015
Lab ID: 105210-048A

Client Sample ID: Trip Blank
Collection Date: 4/23/2009
Matrix: WATER

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS11_090430A	QC Batch: A09VW077	PrepDate:	Analyst: SLL			
cis-1,3-Dichloropropene	ND	2.6	5.0	µg/L	1	4/29/2009 09:43 AM
Dibromochloromethane	ND	2.7	5.0	µg/L	1	4/29/2009 09:43 AM
Dibromomethane	ND	3.3	5.0	µg/L	1	4/29/2009 09:43 AM
Dichlorodifluoromethane	ND	2.8	5.0	µg/L	1	4/29/2009 09:43 AM
Ethylbenzene	ND	2.6	5.0	µg/L	1	4/29/2009 09:43 AM
Hexachlorobutadiene	ND	2.6	5.0	µg/L	1	4/29/2009 09:43 AM
Isopropylbenzene	ND	2.5	5.0	µg/L	1	4/29/2009 09:43 AM
m,p-Xylene	ND	5.4	10	µg/L	1	4/29/2009 09:43 AM
Methylene chloride	ND	5.0	5.0	µg/L	1	4/29/2009 09:43 AM
n-Butylbenzene	ND	2.8	5.0	µg/L	1	4/29/2009 09:43 AM
n-Propylbenzene	ND	2.7	5.0	µg/L	1	4/29/2009 09:43 AM
Naphthalene	ND	2.4	5.0	µg/L	1	4/29/2009 09:43 AM
o-Xylene	ND	2.7	5.0	µg/L	1	4/29/2009 09:43 AM
sec-Butylbenzene	ND	2.8	5.0	µg/L	1	4/29/2009 09:43 AM
Styrene	ND	2.5	5.0	µg/L	1	4/29/2009 09:43 AM
tert-Butylbenzene	ND	2.7	5.0	µg/L	1	4/29/2009 09:43 AM
Tetrachloroethene	ND	3.0	5.0	µg/L	1	4/29/2009 09:43 AM
Toluene	ND	2.6	5.0	µg/L	1	4/29/2009 09:43 AM
trans-1,2-Dichloroethene	ND	2.2	5.0	µg/L	1	4/29/2009 09:43 AM
Trichloroethene	ND	2.6	5.0	µg/L	1	4/29/2009 09:43 AM
Trichlorofluoromethane	ND	2.8	5.0	µg/L	1	4/29/2009 09:43 AM
Vinyl chloride	ND	3.1	5.0	µg/L	1	4/29/2009 09:43 AM
Surr: 1,2-Dichloroethane-d4	90.5	0	70-130	%REC	1	4/29/2009 09:43 AM
Surr: 4-Bromofluorobenzene	94.1	0	70-130	%REC	1	4/29/2009 09:43 AM
Surr: Dibromofluoromethane	96.0	0	70-130	%REC	1	4/29/2009 09:43 AM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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CLIENT: Ninyo & Moore

Work Order: 105210

Project: 207126015

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S_5035

Sample ID: K090427LC1		SampType: LCS	TestCode: 8260_S_5035		Units: µg/Kg	Prep Date:			RunNo: 108542			
Client ID: LCSS		Batch ID: K09VS064	TestNo: EPA 8260B			Analysis Date: 4/27/2009			SeqNo: 1703497			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene		46.090	5.0	50.00	0	92.2	70	130				
Benzene		103.120	5.0	100.0	0	103	70	130				
Chlorobenzene		51.190	5.0	50.00	0	102	70	130				
MTBE		49.460	5.0	50.00	0	98.9	70	130				
Toluene		104.760	5.0	100.0	0	105	70	130				
Trichloroethene		53.610	5.0	50.00	0	107	70	130				
Surr: 1,2-Dichloroethane-d4		47.400		50.00		94.8	68	147				
Surr: 4-Bromofluorobenzene		53.040		50.00		106	67	127				
Surr: Dibromofluoromethane		52.430		50.00		105	72	141				
Surr: Toluene-d8		56.110		50.00		112	75	120				

Sample ID: K090427MB2	SampType: MBLK	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date:				RunNo: 108542			
Client ID: PBS	Batch ID: K09VS064	TestNo: EPA 8260B		Analysis Date: 4/27/2009				SeqNo: 1703499			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0									
1,1,1-Trichloroethane	ND	5.0									
1,1,2,2-Tetrachloroethane	ND	5.0									
1,1,2-Trichloroethane	ND	5.0									
1,1-Dichloroethane	ND	5.0									
1,1-Dichloroethene	ND	5.0									
1,1-Dichloropropene	ND	5.0									
1,2,3-Trichlorobenzene	ND	5.0									
1,2,3-Trichloropropane	ND	5.0									
1,2,4-Trichlorobenzene	ND	5.0									
1,2,4-Trimethylbenzene	ND	5.0									
1,2-Dibromo-3-chloropropane	ND	10									
1,2-Dibromoethane	ND	5.0									

Qualifiers:

B Analyte detected in the associated Method Blank

ND Not Detected at the Reporting Limit

DO Surrogate Diluted Out

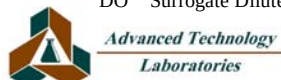
E Value above quantitation range

R RPD outside accepted recovery limits

Calculations are based on raw values

H Holding times for preparation or analysis exceeded

S Spike/Surrogate outside of limits due to matrix interference



CLIENT: Ninyo & Moore
Work Order: 105210
Project: 207126015

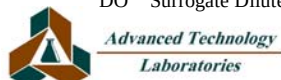
ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S_5035

Sample ID: K090427MB2	SampType: MBLK	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date:					RunNo: 108542		
Client ID: PBS	Batch ID: K09VS064	TestNo: EPA 8260B		Analysis Date: 4/27/2009					SeqNo: 1703499		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dichlorobenzene	ND	5.0									
1,2-Dichloroethane	ND	5.0									
1,2-Dichloropropane	ND	5.0									
1,3,5-Trimethylbenzene	ND	5.0									
1,3-Dichlorobenzene	ND	5.0									
1,3-Dichloropropane	ND	5.0									
1,4-Dichlorobenzene	ND	5.0									
2,2-Dichloropropane	ND	5.0									
2-Chlorotoluene	ND	5.0									
4-Chlorotoluene	ND	5.0									
4-Isopropyltoluene	ND	5.0									
Benzene	ND	5.0									
Bromobenzene	ND	5.0									
Bromodichloromethane	ND	5.0									
Bromoform	ND	5.0									
Bromomethane	ND	5.0									
Carbon tetrachloride	ND	5.0									
Chlorobenzene	ND	5.0									
Chloroethane	ND	5.0									
Chloroform	ND	5.0									
Chloromethane	ND	5.0									
cis-1,2-Dichloroethene	ND	5.0									
cis-1,3-Dichloropropene	ND	5.0									
Dibromochloromethane	ND	5.0									
Dibromomethane	ND	5.0									
Dichlorodifluoromethane	ND	5.0									
Ethylbenzene	ND	5.0									
Hexachlorobutadiene	ND	5.0									
Isopropylbenzene	ND	5.0									
m,p-Xylene	ND	10									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



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ANALYTICAL QC SUMMARY REPORT

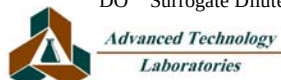
TestCode: 8260_S_5035

Sample ID: K090427MB2		SampType: MBLK	TestCode: 8260_S_5035		Units: µg/Kg	Prep Date:			RunNo: 108542		
Client ID: PBS	Batch ID: K09VS064		TestNo: EPA 8260B			Analysis Date: 4/27/2009			SeqNo: 1703499		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methylene chloride	ND	5.0									
n-Butylbenzene	ND	5.0									
n-Propylbenzene	ND	5.0									
Naphthalene	ND	5.0									
o-Xylene	ND	5.0									
sec-Butylbenzene	ND	5.0									
Styrene	ND	5.0									
tert-Butylbenzene	ND	5.0									
Tetrachloroethene	ND	5.0									
Toluene	ND	5.0									
trans-1,2-Dichloroethene	ND	5.0									
Trichloroethene	ND	5.0									
Trichlorofluoromethane	ND	5.0									
Vinyl chloride	ND	5.0									
Surr: 1,2-Dichloroethane-d4	47.230		50.00		94.5	68	147				
Surr: 4-Bromofluorobenzene	51.000		50.00		102	67	127				
Surr: Dibromofluoromethane	52.360		50.00		105	72	141				
Surr: Toluene-d8	54.820		50.00		110	75	120				

Sample ID: 105210-032B	SampType: DUP	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date: 4/28/2009	RunNo: 108542						
Client ID: 1001-119-5-S	Batch ID: K09VS064	TestNo: EPA 8260B		Analysis Date: 4/27/2009	SeqNo: 1703510						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	4.4						0	0	20	
1,1,1-Trichloroethane	ND	4.4						0	0	20	
1,1,2,2-Tetrachloroethane	ND	4.4						0	0	20	
1,1,2-Trichloroethane	ND	4.4						0	0	20	
1,1-Dichloroethane	ND	4.4						0	0	20	
1,1-Dichloroethene	ND	4.4						0	0	20	
1,1-Dichloropropene	ND	4.4						0	0	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



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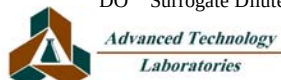
ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S_5035

Sample ID: 105210-032B	SampType: DUP	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date: 4/28/2009	RunNo: 108542						
Client ID: 1001-119-5-S	Batch ID: K09VS064	TestNo: EPA 8260B		Analysis Date: 4/27/2009	SeqNo: 1703510						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,3-Trichlorobenzene	ND	4.4						0	0	20	
1,2,3-Trichloropropane	ND	4.4						0	0	20	
1,2,4-Trichlorobenzene	ND	4.4						0	0	20	
1,2,4-Trimethylbenzene	ND	4.4						0	0	20	
1,2-Dibromo-3-chloropropane	ND	8.7						0	0	20	
1,2-Dibromoethane	ND	4.4						0	0	20	
1,2-Dichlorobenzene	ND	4.4						0	0	20	
1,2-Dichloroethane	ND	4.4						0	0	20	
1,2-Dichloropropane	ND	4.4						0	0	20	
1,3,5-Trimethylbenzene	ND	4.4						0	0	20	
1,3-Dichlorobenzene	ND	4.4						0	0	20	
1,3-Dichloropropane	ND	4.4						0	0	20	
1,4-Dichlorobenzene	ND	4.4						0	0	20	
2,2-Dichloropropane	ND	4.4						0	0	20	
2-Butanone	ND	44						0	0	20	
2-Chloroethyl vinyl ether	ND	4.4						0	0	20	
2-Chlorotoluene	ND	4.4						0	0	20	
2-Hexanone	ND	44						0	0	20	
4-Chlorotoluene	ND	4.4						0	0	20	
4-Isopropyltoluene	ND	4.4						0	0	20	
4-Methyl-2-pentanone	ND	44						0	0	20	
Acetone	ND	44						0	0	20	
Acrolein	ND	44						0	0	20	
Acrylonitrile	ND	44						0	0	20	
Benzene	ND	4.4						0	0	20	
Bromobenzene	ND	4.4						0	0	20	
Bromochloromethane	ND	4.4						0	0	20	
Bromodichloromethane	ND	4.4						0	0	20	
Bromoform	ND	4.4						0	0	20	
Bromomethane	ND	4.4						0	0	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



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CLIENT: Ninyo & Moore
Work Order: 105210
Project: 207126015

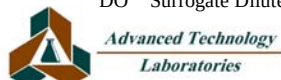
ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S_5035

Sample ID: 105210-032B	SampType: DUP	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date: 4/28/2009	RunNo: 108542						
Client ID: 1001-119-5-S	Batch ID: K09VS064	TestNo: EPA 8260B		Analysis Date: 4/27/2009	SeqNo: 1703510						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Carbon disulfide	ND	4.4						0	0	20	
Carbon tetrachloride	ND	4.4						0	0	20	
Chlorobenzene	ND	4.4						0	0	20	
Chloroethane	ND	4.4						0	0	20	
Chloroform	ND	4.4						0	0	20	
Chloromethane	ND	4.4						0	0	20	
cis-1,2-Dichloroethene	ND	4.4						0	0	20	
cis-1,3-Dichloropropene	ND	4.4						0	0	20	
Cyclohexanone	ND	44						0	0	20	
Di-isopropyl ether	ND	4.4						0	0	20	
Dibromochloromethane	ND	4.4						0	0	20	
Dibromomethane	ND	4.4						0	0	20	
Dichlorodifluoromethane	ND	4.4						0	0	20	
Ethyl Acetate	ND	44						0	0	20	
Ethyl Ether	ND	44						0	0	20	
Ethyl Tert-butyl ether	ND	4.4						0	0	20	
Ethylbenzene	ND	4.4						0	0	20	
Freon-113	ND	4.4						0	0	20	
Hexachlorobutadiene	ND	4.4						0	0	20	
Iodomethane	ND	4.4						0	0	20	
Isopropylbenzene	ND	4.4						0	0	20	
m,p-Xylene	ND	8.7						0	0	20	
Methylene chloride	ND	4.4						0	0	20	
MTBE	ND	4.4						0	0	20	
n-Butylbenzene	ND	4.4						0	0	20	
n-Propylbenzene	ND	4.4						0	0	20	
Naphthalene	ND	4.4						0	0	20	
o-Xylene	ND	4.4						0	0	20	
sec-Butylbenzene	ND	4.4						0	0	20	
Styrene	ND	4.4						0	0	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



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CLIENT: Ninyo & Moore
Work Order: 105210
Project: 207126015

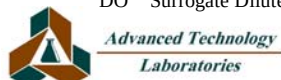
ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S_5035

Sample ID: 105210-032B	SampType: DUP	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date: 4/28/2009	RunNo: 108542						
Client ID: 1001-119-5-S	Batch ID: K09VS064	TestNo: EPA 8260B		Analysis Date: 4/27/2009	SeqNo: 1703510						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tert-amyl methyl ether	ND	4.4						0	0	20	
Tert-Butanol	ND	87						0	0	20	
tert-Butylbenzene	ND	4.4						0	0	20	
Tetrachloroethene	1.687	4.4						1.410	0	20	
Toluene	ND	4.4						0	0	20	
trans-1,2-Dichloroethene	ND	4.4						0	0	20	
trans-1,3-Dichloropropene	ND	4.4						0	0	20	
Trichloroethene	ND	4.4						0	0	20	
Trichlorofluoromethane	ND	4.4						0	0	20	
Vinyl acetate	ND	44						0	0	20	
Vinyl chloride	ND	4.4						0	0	20	
Xylenes, Total	ND	13						0	0	20	
Surr: 1,2-Dichloroethane-d4	52.273		43.71		120	68	147		0	20	
Surr: 4-Bromofluorobenzene	44.432		43.71		102	67	127		0	20	
Surr: Dibromofluoromethane	51.495		43.71		118	72	141		0	20	
Surr: Toluene-d8	47.220		43.71		108	75	120		0	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



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Project: 207126015

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S_5035

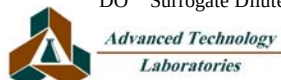
Sample ID: T090424LC1		SampType: LCS	TestCode: 8260_S_5035		Units: µg/Kg	Prep Date:			RunNo: 108514		
Client ID: LCSS	Batch ID: T09VS107		TestNo: EPA 8260B			Analysis Date: 4/24/2009			SeqNo: 1702993		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	50.080	5.0	50.00	0	100	70	130				
Benzene	107.820	5.0	100.0	0	108	70	130				
Chlorobenzene	51.270	5.0	50.00	0	103	70	130				
MTBE	52.440	5.0	50.00	0	105	70	130				
Toluene	111.300	5.0	100.0	0	111	70	130				
Trichloroethene	46.520	5.0	50.00	0	93.0	70	130				
Surr: 1,2-Dichloroethane-d4	47.650		50.00		95.3	68	147				
Surr: 4-Bromofluorobenzene	49.080		50.00		98.2	67	127				
Surr: Dibromofluoromethane	52.480		50.00		105	72	141				
Surr: Toluene-d8	55.670		50.00		111	75	120				

Sample ID: 105188-001AMS	SampType: MS	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date:				RunNo: 108514			
Client ID: ZZZZZZ	Batch ID: T09VS107	TestNo: EPA 8260B		Analysis Date: 4/24/2009				SeqNo: 1702994			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	53.290	5.0	50.00	0	107	70	130				
Benzene	101.070	5.0	100.0	0	101	70	130				
Chlorobenzene	37.960	5.0	50.00	0	75.9	70	130				
Toluene	88.600	5.0	100.0	4.480	84.1	70	130				
Trichloroethene	39.160	5.0	50.00	0	78.3	70	130				
Surr: 1,2-Dichloroethane-d4	48.720		50.00		97.4	68	147				
Surr: 4-Bromofluorobenzene	40.290		50.00		80.6	67	127				
Surr: Dibromofluoromethane	50.450		50.00		101	72	141				
Surr: Toluene-d8	50.500		50.00		101	75	120				

Sample ID: 105188-001AMSD	SampType: MSD	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date:	RunNo: 108514						
Client ID: ZZZZZZ	Batch ID: T09VS107	TestNo: EPA 8260B	Analysis Date: 4/24/2009	SeqNo: 1702995							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	56.980	5.0	50.00	0	114	70	130	53.29	6.69	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out	Calculations are based on raw values			



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CLIENT: Ninyo & Moore
Work Order: 105210
Project: 207126015

ANALYTICAL QC SUMMARY REPORT

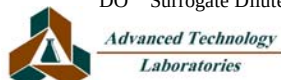
TestCode: 8260_S_5035

Sample ID: 105188-001AMSD	SampType: MSD	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date:				RunNo: 108514			
Client ID: ZZZZZZ	Batch ID: T09VS107	TestNo: EPA 8260B	Analysis Date: 4/24/2009				SeqNo: 1702995				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	109.780	5.0	100.0	0	110	70	130	101.1	8.26	20	R
Chlorobenzene	47.270	5.0	50.00	0	94.5	70	130	37.96	21.8	20	
Toluene	101.880	5.0	100.0	4.480	97.4	70	130	88.60	13.9	20	
Trichloroethene	45.330	5.0	50.00	0	90.7	70	130	39.16	14.6	20	
Surr: 1,2-Dichloroethane-d4	46.630		50.00		93.3	68	147		0	20	
Surr: 4-Bromofluorobenzene	37.930		50.00		75.9	67	127		0	20	
Surr: Dibromofluoromethane	50.640		50.00		101	72	141		0	20	
Surr: Toluene-d8	50.730		50.00		101	75	120		0	20	

Sample ID: T090424MB2		SampType: MBLK		TestCode: 8260_S_5035		Units: µg/Kg		Prep Date:		RunNo: 108514		
Client ID: PBS		Batch ID: T09VS107		TestNo: EPA 8260B				Analysis Date: 4/24/2009		SeqNo: 1702996		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane		ND	5.0									
1,1,1-Trichloroethane		ND	5.0									
1,1,2,2-Tetrachloroethane		ND	5.0									
1,1,2-Trichloroethane		ND	5.0									
1,1-Dichloroethane		ND	5.0									
1,1-Dichloroethene		ND	5.0									
1,1-Dichloropropene		ND	5.0									
1,2,3-Trichlorobenzene		ND	5.0									
1,2,3-Trichloropropane		ND	5.0									
1,2,4-Trichlorobenzene		ND	5.0									
1,2,4-Trimethylbenzene		ND	5.0									
1,2-Dibromo-3-chloropropane		ND	10									
1,2-Dibromoethane		ND	5.0									
1,2-Dichlorobenzene		ND	5.0									
1,2-Dichloroethane		ND	5.0									
1,2-Dichloropropane		ND	5.0									
1,3,5-Trimethylbenzene		ND	5.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



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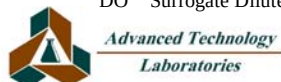
ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S_5035

Sample ID: T090424MB2	SampType: MBLK	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date:					RunNo: 108514		
Client ID: PBS	Batch ID: T09VS107	TestNo: EPA 8260B		Analysis Date: 4/24/2009					SeqNo: 1702996		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,3-Dichlorobenzene	ND	5.0									
1,3-Dichloropropane	ND	5.0									
1,4-Dichlorobenzene	ND	5.0									
2,2-Dichloropropane	ND	5.0									
2-Chlorotoluene	ND	5.0									
4-Chlorotoluene	ND	5.0									
4-Isopropyltoluene	ND	5.0									
Benzene	ND	5.0									
Bromobenzene	ND	5.0									
Bromodichloromethane	ND	5.0									
Bromoform	ND	5.0									
Bromomethane	ND	5.0									
Carbon tetrachloride	ND	5.0									
Chlorobenzene	ND	5.0									
Chloroethane	ND	5.0									
Chloroform	ND	5.0									
Chloromethane	ND	5.0									
cis-1,2-Dichloroethene	ND	5.0									
cis-1,3-Dichloropropene	ND	5.0									
Dibromochloromethane	ND	5.0									
Dibromomethane	ND	5.0									
Dichlorodifluoromethane	ND	5.0									
Ethylbenzene	ND	5.0									
Hexachlorobutadiene	ND	5.0									
Isopropylbenzene	ND	5.0									
m,p-Xylene	ND	10									
Methylene chloride	ND	5.0									
n-Butylbenzene	ND	5.0									
n-Propylbenzene	ND	5.0									
Naphthalene	ND	5.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



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ANALYTICAL QC SUMMARY REPORT

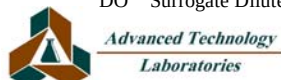
TestCode: 8260_S_5035

Sample ID: T090424MB2		SampType: MBLK		TestCode: 8260_S_5035		Units: µg/Kg		Prep Date:			RunNo: 108514	
Client ID: PBS		Batch ID: T09VS107		TestNo: EPA 8260B		Analysis Date: 4/24/2009			SeqNo: 1702996			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
o-Xylene		ND	5.0									
sec-Butylbenzene		ND	5.0									
Styrene		ND	5.0									
tert-Butylbenzene		ND	5.0									
Tetrachloroethene		ND	5.0									
Toluene		ND	5.0									
trans-1,2-Dichloroethene		ND	5.0									
Trichloroethene		ND	5.0									
Trichlorofluoromethane		ND	5.0									
Vinyl chloride		ND	5.0									
Surr: 1,2-Dichloroethane-d4		46.470		50.00		92.9	68	147				
Surr: 4-Bromofluorobenzene		46.300		50.00		92.6	67	127				
Surr: Dibromofluoromethane		50.650		50.00		101	72	141				
Surr: Toluene-d8		55.180		50.00		110	75	120				

Sample ID: 105188-001A	SampType: DUP	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date:				RunNo: 108514			
Client ID: ZZZZZZ	Batch ID: T09VS107	TestNo: EPA 8260B	Analysis Date: 4/24/2009				SeqNo: 1702998				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0						0	0	20	
1,1,1-Trichloroethane	ND	5.0						0	0	20	
1,1,2,2-Tetrachloroethane	ND	5.0						0	0	20	
1,1,2-Trichloroethane	ND	5.0						0	0	20	
1,1-Dichloroethane	ND	5.0						0	0	20	
1,1-Dichloroethene	ND	5.0						0	0	20	
1,1-Dichloropropene	ND	5.0						0	0	20	
1,2,3-Trichlorobenzene	ND	5.0						0	0	20	
1,2,3-Trichloropropane	ND	5.0						0	0	20	
1,2,4-Trichlorobenzene	ND	5.0						0	0	20	
1,2,4-Trimethylbenzene	3.050	5.0						3.640	0	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
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DO	Surrogate Diluted Out		Calculations are based on raw values		



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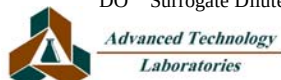
ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S_5035

Sample ID: 105188-001A	SampType: DUP	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date:				RunNo: 108514			
Client ID: ZZZZZZ	Batch ID: T09VS107	TestNo: EPA 8260B	Analysis Date: 4/24/2009				SeqNo: 1702998				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dibromo-3-chloropropane	ND	10						0	0	20	
1,2-Dibromoethane	ND	5.0						0	0	20	
1,2-Dichlorobenzene	ND	5.0						0	0	20	
1,2-Dichloroethane	ND	5.0						0	0	20	
1,2-Dichloropropane	ND	5.0						0	0	20	
1,3,5-Trimethylbenzene	1.420	5.0						1.460	0	20	
1,3-Dichlorobenzene	ND	5.0						0	0	20	
1,3-Dichloropropane	ND	5.0						0	0	20	
1,4-Dichlorobenzene	ND	5.0						0	0	20	
2,2-Dichloropropane	ND	5.0						0	0	20	
2-Chlorotoluene	ND	5.0						0	0	20	
4-Chlorotoluene	ND	5.0						0	0	20	
4-Isopropyltoluene	ND	5.0						0	0	20	
Benzene	ND	5.0						0	0	20	
Bromobenzene	ND	5.0						0	0	20	
Bromodichloromethane	ND	5.0						0	0	20	
Bromoform	ND	5.0						0	0	20	
Bromomethane	ND	5.0						0	0	20	
Carbon tetrachloride	ND	5.0						0	0	20	
Chlorobenzene	ND	5.0						0	0	20	
Chloroethane	ND	5.0						0	0	20	
Chloroform	ND	5.0						0	0	20	
Chloromethane	ND	5.0						0	0	20	
cis-1,2-Dichloroethene	ND	5.0						0	0	20	
cis-1,3-Dichloropropene	ND	5.0						0	0	20	
Dibromochloromethane	ND	5.0						0	0	20	
Dibromomethane	ND	5.0						0	0	20	
Dichlorodifluoromethane	ND	5.0						0	0	20	
Ethylbenzene	1.250	5.0						1.410	0	20	
Hexachlorobutadiene	ND	5.0						0	0	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



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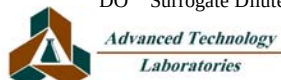
ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S_5035

Sample ID: 105188-001A	SampType: DUP	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date:				RunNo: 108514			
Client ID: ZZZZZZ	Batch ID: T09VS107	TestNo: EPA 8260B	Analysis Date: 4/24/2009				SeqNo: 1702998				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Isopropylbenzene	ND	5.0						0	0	20	
m,p-Xylene	2.610	10						3.130	0	20	
Methylene chloride	ND	5.0						0	0	20	
n-Butylbenzene	ND	5.0						0	0	20	
n-Propylbenzene	ND	5.0						0	0	20	
Naphthalene	ND	5.0						0	0	20	
o-Xylene	1.550	5.0						1.690	0	20	
sec-Butylbenzene	ND	5.0						0	0	20	
Styrene	ND	5.0						0	0	20	
tert-Butylbenzene	ND	5.0						0	0	20	
Tetrachloroethene	4.850	5.0						5.380	0	20	
Toluene	5.440	5.0						4.480	19.4	20	
trans-1,2-Dichloroethene	ND	5.0						0	0	20	
Trichloroethene	ND	5.0						0	0	20	
Trichlorofluoromethane	ND	5.0						0	0	20	
Vinyl chloride	ND	5.0						0	0	20	
Surr: 1,2-Dichloroethane-d4	48.350		50.00		96.7	68	147		0	20	
Surr: 4-Bromofluorobenzene	31.510		50.00		63.0	67	127		0	20	S
Surr: Dibromofluoromethane	51.530		50.00		103	72	141		0	20	
Surr: Toluene-d8	47.000		50.00		94.0	75	120		0	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



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ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S_5035

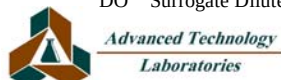
Sample ID: T090424LC2		SampType: LCS	TestCode: 8260_S_5035		Units: µg/Kg	Prep Date:			RunNo: 108515		
Client ID: LCSS	Batch ID: T09VS108		TestNo: EPA 8260B			Analysis Date: 4/24/2009			SeqNo: 1702915		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	49.140	5.0	50.00	0	98.3	70	130				
Benzene	102.220	5.0	100.0	0	102	70	130				
Chlorobenzene	48.770	5.0	50.00	0	97.5	70	130				
MTBE	48.900	5.0	50.00	0	97.8	70	130				
Toluene	104.850	5.0	100.0	0	105	70	130				
Trichloroethene	44.110	5.0	50.00	0	88.2	70	130				
Surr: 1,2-Dichloroethane-d4	46.860		50.00		93.7	68	147				
Surr: 4-Bromofluorobenzene	48.550		50.00		97.1	67	127				
Surr: Dibromofluoromethane	50.410		50.00		101	72	141				
Surr: Toluene-d8	53.170		50.00		106	75	120				

Sample ID: 105070-001AMS	SampType: MS	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date:				RunNo: 108515			
Client ID: ZZZZZZ	Batch ID: T09VS108	TestNo: EPA 8260B		Analysis Date: 4/24/2009				SeqNo: 1702916			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	39.960	5.0	50.00	0	79.9	70	130				
Benzene	78.230	5.0	100.0	0	78.2	70	130				
Chlorobenzene	30.910	5.0	50.00	0	61.8	70	130				S
Toluene	73.230	5.0	100.0	0	73.2	70	130				
Trichloroethene	33.400	5.0	50.00	0	66.8	70	130				S
Surr: 1,2-Dichloroethane-d4	48.030		50.00		96.1	68	147				
Surr: 4-Bromofluorobenzene	47.530		50.00		95.1	67	127				
Surr: Dibromofluoromethane	51.800		50.00		104	72	141				
Surr: Toluene-d8	52.770		50.00		106	75	120				

Sample ID: 105070-001AMSD	SampType: MSD	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date:				RunNo: 108515			
Client ID: ZZZZZZ	Batch ID: T09VS108	TestNo: EPA 8260B		Analysis Date: 4/24/2009				SeqNo: 1702917			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	41.710	5.0	50.00	0	83.4	70	130	39.96	4.29	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



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ANALYTICAL QC SUMMARY REPORT

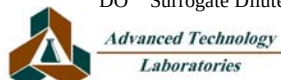
TestCode: 8260_S_5035

Sample ID: 105070-001AMSD	SampType: MSD	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date:				RunNo: 108515			
Client ID: ZZZZZZ	Batch ID: T09VS108	TestNo: EPA 8260B		Analysis Date: 4/24/2009				SeqNo: 1702917			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	84.250	5.0	100.0	0	84.2	70	130	78.23	7.41	20	S
Chlorobenzene	34.000	5.0	50.00	0	68.0	70	130	30.91	9.52	20	
Toluene	82.150	5.0	100.0	0	82.2	70	130	73.23	11.5	20	
Trichloroethene	39.630	5.0	50.00	0	79.3	70	130	33.40	17.1	20	
Surr: 1,2-Dichloroethane-d4	47.560		50.00		95.1	68	147		0	20	
Surr: 4-Bromofluorobenzene	48.730		50.00		97.5	67	127		0	20	
Surr: Dibromofluoromethane	52.170		50.00		104	72	141		0	20	
Surr: Toluene-d8	56.610		50.00		113	75	120		0	20	

Sample ID: T090424MB4		SampType: MBLK		TestCode: 8260_S_5035		Units: µg/Kg		Prep Date:			RunNo: 108515	
Client ID: PBS		Batch ID: T09VS108		TestNo: EPA 8260B		Analysis Date: 4/24/2009			SeqNo: 1702918			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane		ND	5.0									
1,1,1-Trichloroethane		ND	5.0									
1,1,2,2-Tetrachloroethane		ND	5.0									
1,1,2-Trichloroethane		ND	5.0									
1,1-Dichloroethane		ND	5.0									
1,1-Dichloroethene		ND	5.0									
1,1-Dichloropropene		ND	5.0									
1,2,3-Trichlorobenzene		ND	5.0									
1,2,3-Trichloropropane		ND	5.0									
1,2,4-Trichlorobenzene		ND	5.0									
1,2,4-Trimethylbenzene		ND	5.0									
1,2-Dibromo-3-chloropropane		ND	10									
1,2-Dibromoethane		ND	5.0									
1,2-Dichlorobenzene		ND	5.0									
1,2-Dichloroethane		ND	5.0									
1,2-Dichloropropane		ND	5.0									
1,3,5-Trimethylbenzene		ND	5.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



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Project: 207126015

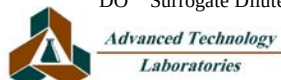
ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S_5035

Sample ID: T090424MB4	SampType: MBLK	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date:					RunNo: 108515		
Client ID: PBS	Batch ID: T09VS108	TestNo: EPA 8260B		Analysis Date: 4/24/2009					SeqNo: 1702918		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,3-Dichlorobenzene	ND	5.0									
1,3-Dichloropropane	ND	5.0									
1,4-Dichlorobenzene	ND	5.0									
2,2-Dichloropropane	ND	5.0									
2-Chlorotoluene	ND	5.0									
4-Chlorotoluene	ND	5.0									
4-Isopropyltoluene	ND	5.0									
Benzene	ND	5.0									
Bromobenzene	ND	5.0									
Bromodichloromethane	ND	5.0									
Bromoform	ND	5.0									
Bromomethane	ND	5.0									
Carbon tetrachloride	ND	5.0									
Chlorobenzene	ND	5.0									
Chloroethane	ND	5.0									
Chloroform	ND	5.0									
Chloromethane	ND	5.0									
cis-1,2-Dichloroethene	ND	5.0									
cis-1,3-Dichloropropene	ND	5.0									
Dibromochloromethane	ND	5.0									
Dibromomethane	ND	5.0									
Dichlorodifluoromethane	ND	5.0									
Ethylbenzene	ND	5.0									
Hexachlorobutadiene	ND	5.0									
Isopropylbenzene	ND	5.0									
m,p-Xylene	ND	10									
Methylene chloride	ND	5.0									
n-Butylbenzene	ND	5.0									
n-Propylbenzene	ND	5.0									
Naphthalene	ND	5.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



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CLIENT: Ninyo & Moore
Work Order: 105210
Project: 207126015

ANALYTICAL QC SUMMARY REPORT

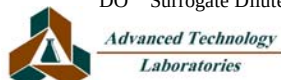
TestCode: 8260_S_5035

Sample ID: T090424MB4		SampType: MBLK		TestCode: 8260_S_5035		Units: µg/Kg		Prep Date:		RunNo: 108515		
Client ID: PBS		Batch ID: T09VS108		TestNo: EPA 8260B				Analysis Date: 4/24/2009		SeqNo: 1702918		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
o-Xylene		ND	5.0									
sec-Butylbenzene		ND	5.0									
Styrene		ND	5.0									
tert-Butylbenzene		ND	5.0									
Tetrachloroethene		ND	5.0									
Toluene		ND	5.0									
trans-1,2-Dichloroethene		ND	5.0									
Trichloroethene		ND	5.0									
Trichlorofluoromethane		ND	5.0									
Vinyl chloride		ND	5.0									
Surr: 1,2-Dichloroethane-d4		45.370		50.00		90.7	68	147				
Surr: 4-Bromofluorobenzene		46.210		50.00		92.4	67	127				
Surr: Dibromofluoromethane		48.780		50.00		97.6	72	141				
Surr: Toluene-d8		54.380		50.00		109	75	120				

Sample ID: 105070-001ADUP	SampType: DUP	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date:				RunNo: 108515			
Client ID: ZZZZZZ	Batch ID: T09VS108	TestNo: EPA 8260B	Analysis Date: 4/24/2009				SeqNo: 1702929				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0						0	0	20	
1,1,1-Trichloroethane	ND	5.0						0	0	20	
1,1,2,2-Tetrachloroethane	ND	5.0						0	0	20	
1,1,2-Trichloroethane	ND	5.0						0	0	20	
1,1-Dichloroethane	ND	5.0						0	0	20	
1,1-Dichloroethene	ND	5.0						0	0	20	
1,1-Dichloropropene	ND	5.0						0	0	20	
1,2,3-Trichlorobenzene	ND	5.0						0	0	20	
1,2,3-Trichloropropane	ND	5.0						0	0	20	
1,2,4-Trichlorobenzene	ND	5.0						0	0	20	
1,2,4-Trimethylbenzene	ND	5.0						0	0	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



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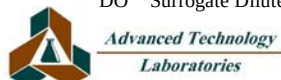
ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S_5035

Sample ID: 105070-001ADUP	SampType: DUP	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date:				RunNo: 108515			
Client ID: ZZZZZZ	Batch ID: T09VS108	TestNo: EPA 8260B		Analysis Date: 4/24/2009				SeqNo: 1702929			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dibromo-3-chloropropane	ND	10						0	0	20	
1,2-Dibromoethane	ND	5.0						0	0	20	
1,2-Dichlorobenzene	ND	5.0						0	0	20	
1,2-Dichloroethane	ND	5.0						0	0	20	
1,2-Dichloropropane	ND	5.0						0	0	20	
1,3,5-Trimethylbenzene	ND	5.0						0	0	20	
1,3-Dichlorobenzene	ND	5.0						0	0	20	
1,3-Dichloropropane	ND	5.0						0	0	20	
1,4-Dichlorobenzene	ND	5.0						0	0	20	
2,2-Dichloropropane	ND	5.0						0	0	20	
2-Chlorotoluene	ND	5.0						0	0	20	
4-Chlorotoluene	ND	5.0						0	0	20	
4-Isopropyltoluene	ND	5.0						0	0	20	
Benzene	ND	5.0						0	0	20	
Bromobenzene	ND	5.0						0	0	20	
Bromodichloromethane	ND	5.0						0	0	20	
Bromoform	ND	5.0						0	0	20	
Bromomethane	ND	5.0						0	0	20	
Carbon tetrachloride	ND	5.0						0	0	20	
Chlorobenzene	ND	5.0						0	0	20	
Chloroethane	ND	5.0						0	0	20	
Chloroform	ND	5.0						0	0	20	
Chloromethane	ND	5.0						0	0	20	
cis-1,2-Dichloroethene	ND	5.0						0	0	20	
cis-1,3-Dichloropropene	ND	5.0						0	0	20	
Dibromochloromethane	ND	5.0						0	0	20	
Dibromomethane	ND	5.0						0	0	20	
Dichlorodifluoromethane	ND	5.0						0	0	20	
Ethylbenzene	ND	5.0						0	0	20	
Hexachlorobutadiene	ND	5.0						0	0	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
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DO	Surrogate Diluted Out		Calculations are based on raw values		



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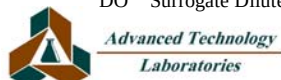
ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S_5035

Sample ID: 105070-001ADUP	SampType: DUP	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date:				RunNo: 108515			
Client ID: ZZZZZZ	Batch ID: T09VS108	TestNo: EPA 8260B	Analysis Date: 4/24/2009				SeqNo: 1702929				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Isopropylbenzene	ND	5.0						0	0	20	
m,p-Xylene	ND	10						0	0	20	
Methylene chloride	ND	5.0						0	0	20	
n-Butylbenzene	ND	5.0						0	0	20	
n-Propylbenzene	ND	5.0						0	0	20	
Naphthalene	ND	5.0						0	0	20	
o-Xylene	ND	5.0						0	0	20	
sec-Butylbenzene	ND	5.0						0	0	20	
Styrene	ND	5.0						0	0	20	
tert-Butylbenzene	ND	5.0						0	0	20	
Tetrachloroethene	1.330	5.0						2.030	0	20	
Toluene	ND	5.0						0	0	20	
trans-1,2-Dichloroethene	ND	5.0						0	0	20	
Trichloroethene	ND	5.0						0	0	20	
Trichlorofluoromethane	ND	5.0						0	0	20	
Vinyl chloride	ND	5.0						0	0	20	
Surr: 1,2-Dichloroethane-d4	47.180		50.00		94.4	68	147		0	20	
Surr: 4-Bromofluorobenzene	46.400		50.00		92.8	67	127		0	20	
Surr: Dibromofluoromethane	50.610		50.00		101	72	141		0	20	
Surr: Toluene-d8	45.020		50.00		90.0	75	120		0	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
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DO	Surrogate Diluted Out		Calculations are based on raw values		



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Work Order: 105210
Project: 207126015

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S_5035

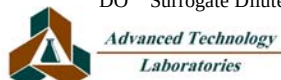
Sample ID: T090424LC4		SampType: LCS		TestCode: 8260_S_5035		Units: µg/Kg		Prep Date:		RunNo: 108527		
Client ID: LCSS		Batch ID: T09VS109		TestNo: EPA 8260B				Analysis Date: 4/24/2009		SeqNo: 1703090		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene		45.640	5.0	50.00	0	91.3	70	130				
Benzene		94.060	5.0	100.0	0	94.1	70	130				
Chlorobenzene		49.800	5.0	50.00	0	99.6	70	130				
MTBE		49.670	5.0	50.00	0	99.3	70	130				
Toluene		97.650	5.0	100.0	0	97.6	70	130				
Trichloroethene		47.270	5.0	50.00	0	94.5	70	130				
Surr: 1,2-Dichloroethane-d4		47.320		50.00		94.6	68	147				
Surr: 4-Bromofluorobenzene		48.590		50.00		97.2	67	127				
Surr: Dibromofluoromethane		50.990		50.00		102	72	141				
Surr: Toluene-d8		48.240		50.00		96.5	75	120				

Sample ID: 105070-007AMS	SampType: MS	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date:				RunNo: 108527			
Client ID: ZZZZZZ	Batch ID: T09VS109	TestNo: EPA 8260B	Analysis Date: 4/24/2009				SeqNo: 1703091				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	39.870	5.0	50.00	0	79.7	70	130				
Benzene	73.480	5.0	100.0	0	73.5	70	130				
Chlorobenzene	25.270	5.0	50.00	0	50.5	70	130				S
Toluene	67.840	5.0	100.0	0	67.8	70	130				S
Trichloroethene	35.050	5.0	50.00	0	70.1	70	130				
Surr: 1,2-Dichloroethane-d4	50.260		50.00		101	68	147				
Surr: 4-Bromofluorobenzene	48.670		50.00		97.3	67	127				
Surr: Dibromofluoromethane	53.180		50.00		106	72	141				
Surr: Toluene-d8	54.160		50.00		108	75	120				

Sample ID: 105070-007AMSD		SampType: MSD	TestCode: 8260_S_5035		Units: µg/Kg	Prep Date:				RunNo: 108527		
Client ID: ZZZZZZ		Batch ID: T09VS109	TestNo: EPA 8260B			Analysis Date: 4/24/2009				SeqNo: 1703092		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene		41.920	5.0	50.00	0	83.8	70	130	39.87	5.01	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
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ANALYTICAL QC SUMMARY REPORT

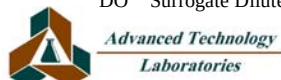
TestCode: 8260_S_5035

Sample ID: 105070-007AMSD	SampType: MSD	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date:				RunNo: 108527			
Client ID: ZZZZZZ	Batch ID: T09VS109	TestNo: EPA 8260B		Analysis Date: 4/24/2009				SeqNo: 1703092			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	74.390	5.0	100.0	0	74.4	70	130	73.48	1.23	20	
Chlorobenzene	22.070	5.0	50.00	0	44.1	70	130	25.27	13.5	20	S
Toluene	63.180	5.0	100.0	0	63.2	70	130	67.84	7.11	20	S
Trichloroethene	33.870	5.0	50.00	0	67.7	70	130	35.05	3.42	20	S
Surr: 1,2-Dichloroethane-d4	50.230		50.00		100	68	147		0	20	
Surr: 4-Bromofluorobenzene	48.560		50.00		97.1	67	127		0	20	
Surr: Dibromofluoromethane	53.960		50.00		108	72	141		0	20	
Surr: Toluene-d8	55.500		50.00		111	75	120		0	20	

Sample ID: T090424MB6		SampType: MBLK		TestCode: 8260_S_5035		Units: µg/Kg		Prep Date:		RunNo: 108527		
Client ID: PBS		Batch ID: T09VS109		TestNo: EPA 8260B				Analysis Date: 4/25/2009		SeqNo: 1703093		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane		ND	5.0									
1,1,1-Trichloroethane		ND	5.0									
1,1,2,2-Tetrachloroethane		ND	5.0									
1,1,2-Trichloroethane		ND	5.0									
1,1-Dichloroethane		ND	5.0									
1,1-Dichloroethene		ND	5.0									
1,1-Dichloropropene		ND	5.0									
1,2,3-Trichlorobenzene		ND	5.0									
1,2,3-Trichloropropane		ND	5.0									
1,2,4-Trichlorobenzene		ND	5.0									
1,2,4-Trimethylbenzene		ND	5.0									
1,2-Dibromo-3-chloropropane		ND	10									
1,2-Dibromoethane		ND	5.0									
1,2-Dichlorobenzene		ND	5.0									
1,2-Dichloroethane		ND	5.0									
1,2-Dichloropropane		ND	5.0									
1,3,5-Trimethylbenzene		ND	5.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
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DO	Surrogate Diluted Out		Calculations are based on raw values		



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CLIENT: Ninyo & Moore
Work Order: 105210
Project: 207126015

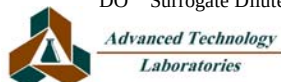
ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S_5035

Sample ID: T090424MB6	SampType: MBLK	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date:					RunNo: 108527		
Client ID: PBS	Batch ID: T09VS109	TestNo: EPA 8260B		Analysis Date: 4/25/2009					SeqNo: 1703093		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,3-Dichlorobenzene	ND	5.0									
1,3-Dichloropropane	ND	5.0									
1,4-Dichlorobenzene	ND	5.0									
2,2-Dichloropropane	ND	5.0									
2-Chlorotoluene	ND	5.0									
4-Chlorotoluene	ND	5.0									
4-Isopropyltoluene	ND	5.0									
Benzene	ND	5.0									
Bromobenzene	ND	5.0									
Bromodichloromethane	ND	5.0									
Bromoform	ND	5.0									
Bromomethane	ND	5.0									
Carbon tetrachloride	ND	5.0									
Chlorobenzene	ND	5.0									
Chloroethane	ND	5.0									
Chloroform	ND	5.0									
Chloromethane	ND	5.0									
cis-1,2-Dichloroethene	ND	5.0									
cis-1,3-Dichloropropene	ND	5.0									
Dibromochloromethane	ND	5.0									
Dibromomethane	ND	5.0									
Dichlorodifluoromethane	ND	5.0									
Ethylbenzene	ND	5.0									
Hexachlorobutadiene	ND	5.0									
Isopropylbenzene	ND	5.0									
m,p-Xylene	ND	10									
Methylene chloride	ND	5.0									
n-Butylbenzene	ND	5.0									
n-Propylbenzene	ND	5.0									
Naphthalene	ND	5.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
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Work Order: 105210
Project: 207126015

ANALYTICAL QC SUMMARY REPORT

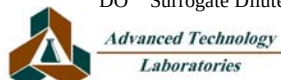
TestCode: 8260_S_5035

Sample ID: T090424MB6		SampType: MBLK		TestCode: 8260_S_5035		Units: µg/Kg		Prep Date:			RunNo: 108527	
Client ID: PBS		Batch ID: T09VS109		TestNo: EPA 8260B		Analysis Date: 4/25/2009			SeqNo: 1703093			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
o-Xylene		ND	5.0									
sec-Butylbenzene		ND	5.0									
Styrene		ND	5.0									
tert-Butylbenzene		ND	5.0									
Tetrachloroethene		ND	5.0									
Toluene		ND	5.0									
trans-1,2-Dichloroethene		ND	5.0									
Trichloroethene		ND	5.0									
Trichlorofluoromethane		ND	5.0									
Vinyl chloride		ND	5.0									
Surr: 1,2-Dichloroethane-d4		47.060		50.00		94.1	68	147				
Surr: 4-Bromofluorobenzene		46.510		50.00		93.0	67	127				
Surr: Dibromofluoromethane		49.670		50.00		99.3	72	141				
Surr: Toluene-d8		50.730		50.00		101	75	120				

Sample ID: 105070-007ADUP	SampType: DUP	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date:				RunNo: 108527			
Client ID: ZZZZZZ	Batch ID: T09VS109	TestNo: EPA 8260B		Analysis Date: 4/25/2009				SeqNo: 1703095			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0						0	0	20	
1,1,1-Trichloroethane	ND	5.0						0	0	20	
1,1,2,2-Tetrachloroethane	ND	5.0						0	0	20	
1,1,2-Trichloroethane	ND	5.0						0	0	20	
1,1-Dichloroethane	ND	5.0						0	0	20	
1,1-Dichloroethene	ND	5.0						0	0	20	
1,1-Dichloropropene	ND	5.0						0	0	20	
1,2,3-Trichlorobenzene	ND	5.0						0	0	20	
1,2,3-Trichloropropane	ND	5.0						0	0	20	
1,2,4-Trichlorobenzene	ND	5.0						0	0	20	
1,2,4-Trimethylbenzene	ND	5.0						0	0	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



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CLIENT: Ninyo & Moore
Work Order: 105210
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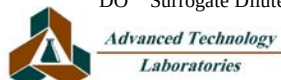
ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S_5035

Sample ID: 105070-007ADUP	SampType: DUP	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date:				RunNo: 108527			
Client ID: ZZZZZZ	Batch ID: T09VS109	TestNo: EPA 8260B		Analysis Date: 4/25/2009				SeqNo: 1703095			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dibromo-3-chloropropane	ND	10						0	0	20	
1,2-Dibromoethane	ND	5.0						0	0	20	
1,2-Dichlorobenzene	ND	5.0						0	0	20	
1,2-Dichloroethane	ND	5.0						0	0	20	
1,2-Dichloropropane	ND	5.0						0	0	20	
1,3,5-Trimethylbenzene	ND	5.0						0	0	20	
1,3-Dichlorobenzene	ND	5.0						0	0	20	
1,3-Dichloropropane	ND	5.0						0	0	20	
1,4-Dichlorobenzene	ND	5.0						0	0	20	
2,2-Dichloropropane	ND	5.0						0	0	20	
2-Chlorotoluene	ND	5.0						0	0	20	
4-Chlorotoluene	ND	5.0						0	0	20	
4-Isopropyltoluene	ND	5.0						0	0	20	
Benzene	ND	5.0						0	0	20	
Bromobenzene	ND	5.0						0	0	20	
Bromodichloromethane	ND	5.0						0	0	20	
Bromoform	ND	5.0						0	0	20	
Bromomethane	ND	5.0						0	0	20	
Carbon tetrachloride	ND	5.0						0	0	20	
Chlorobenzene	ND	5.0						0	0	20	
Chloroethane	ND	5.0						0	0	20	
Chloroform	ND	5.0						0	0	20	
Chloromethane	ND	5.0						0	0	20	
cis-1,2-Dichloroethene	ND	5.0						0	0	20	
cis-1,3-Dichloropropene	ND	5.0						0	0	20	
Dibromochloromethane	ND	5.0						0	0	20	
Dibromomethane	ND	5.0						0	0	20	
Dichlorodifluoromethane	ND	5.0						0	0	20	
Ethylbenzene	ND	5.0						0	0	20	
Hexachlorobutadiene	ND	5.0						0	0	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



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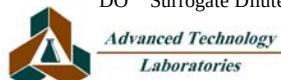
ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S_5035

Sample ID: 105070-007ADUP	SampType: DUP	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date:				RunNo: 108527			
Client ID: ZZZZZZ	Batch ID: T09VS109	TestNo: EPA 8260B		Analysis Date: 4/25/2009				SeqNo: 1703095			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Isopropylbenzene	ND	5.0						0	0	20	
m,p-Xylene	ND	10						0	0	20	
Methylene chloride	ND	5.0						0	0	20	
n-Butylbenzene	ND	5.0						0	0	20	
n-Propylbenzene	ND	5.0						0	0	20	
Naphthalene	ND	5.0						0	0	20	
o-Xylene	ND	5.0						0	0	20	
sec-Butylbenzene	ND	5.0						0	0	20	
Styrene	ND	5.0						0	0	20	
tert-Butylbenzene	ND	5.0						0	0	20	
Tetrachloroethene	ND	5.0						0	0	20	
Toluene	ND	5.0						0	0	20	
trans-1,2-Dichloroethene	ND	5.0						0	0	20	
Trichloroethene	ND	5.0						0	0	20	
Trichlorofluoromethane	ND	5.0						0	0	20	
Vinyl chloride	ND	5.0						0	0	20	
Surr: 1,2-Dichloroethane-d4	52.300		50.00		105	68	147		0	20	
Surr: 4-Bromofluorobenzene	47.880		50.00		95.8	67	127		0	20	
Surr: Dibromofluoromethane	54.970		50.00		110	72	141		0	20	
Surr: Toluene-d8	55.710		50.00		111	75	120		0	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
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DO	Surrogate Diluted Out		Calculations are based on raw values		



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ANALYTICAL QC SUMMARY REPORT

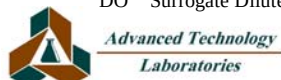
TestCode: 8260_S_5035

Sample ID: T090427LC1		SampType: LCS	TestCode: 8260_S_5035		Units: µg/Kg	Prep Date:			RunNo: 108533			
Client ID: LCSS		Batch ID: T09VS110	TestNo: EPA 8260B			Analysis Date: 4/27/2009			SeqNo: 1703252			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene		49.320	5.0	50.00	0	98.6	70	130				
Benzene		103.780	5.0	100.0	0	104	70	130				
Chlorobenzene		50.210	5.0	50.00	0	100	70	130				
MTBE		52.520	5.0	50.00	0	105	70	130				
Toluene		106.850	5.0	100.0	0	107	70	130				
Trichloroethene		48.780	5.0	50.00	0	97.6	70	130				
Surr: 1,2-Dichloroethane-d4		48.690		50.00		97.4	68	147				
Surr: 4-Bromofluorobenzene		47.470		50.00		94.9	67	127				
Surr: Dibromofluoromethane		50.980		50.00		102	72	141				
Surr: Toluene-d8		55.330		50.00		111	75	120				

Sample ID: T090427MB2		SampType: MBLK		TestCode: 8260_S_5035		Units: µg/Kg		Prep Date:			RunNo: 108533	
Client ID: PBS		Batch ID: T09VS110		TestNo: EPA 8260B		Analysis Date: 4/27/2009			SeqNo: 1703254			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane		ND	5.0									
1,1,1-Trichloroethane		ND	5.0									
1,1,2,2-Tetrachloroethane		ND	5.0									
1,1,2-Trichloroethane		ND	5.0									
1,1-Dichloroethane		ND	5.0									
1,1-Dichloroethene		ND	5.0									
1,1-Dichloropropene		ND	5.0									
1,2,3-Trichlorobenzene		ND	5.0									
1,2,3-Trichloropropane		ND	5.0									
1,2,4-Trichlorobenzene		ND	5.0									
1,2,4-Trimethylbenzene		ND	5.0									
1,2-Dibromo-3-chloropropane		ND	10									
1,2-Dibromoethane		ND	5.0									
1,2-Dichlorobenzene		ND	5.0									
1,2-Dichloroethane		ND	5.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



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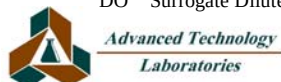
ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S_5035

Sample ID: T090427MB2	SampType: MBLK	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date:					RunNo: 108533		
Client ID: PBS	Batch ID: T09VS110	TestNo: EPA 8260B		Analysis Date: 4/27/2009					SeqNo: 1703254		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dichloropropane	ND	5.0									
1,3,5-Trimethylbenzene	ND	5.0									
1,3-Dichlorobenzene	ND	5.0									
1,3-Dichloropropane	ND	5.0									
1,4-Dichlorobenzene	ND	5.0									
2,2-Dichloropropane	ND	5.0									
2-Chlorotoluene	ND	5.0									
4-Chlorotoluene	ND	5.0									
4-Isopropyltoluene	ND	5.0									
Benzene	ND	5.0									
Bromobenzene	ND	5.0									
Bromodichloromethane	ND	5.0									
Bromoform	ND	5.0									
Bromomethane	ND	5.0									
Carbon tetrachloride	ND	5.0									
Chlorobenzene	ND	5.0									
Chloroethane	ND	5.0									
Chloroform	ND	5.0									
Chloromethane	ND	5.0									
cis-1,2-Dichloroethene	ND	5.0									
cis-1,3-Dichloropropene	ND	5.0									
Dibromochloromethane	ND	5.0									
Dibromomethane	ND	5.0									
Dichlorodifluoromethane	ND	5.0									
Ethylbenzene	ND	5.0									
Hexachlorobutadiene	ND	5.0									
Isopropylbenzene	ND	5.0									
m,p-Xylene	ND	10									
Methylene chloride	ND	5.0									
n-Butylbenzene	ND	5.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
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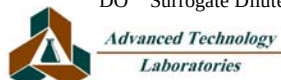
TestCode: 8260_S_5035

Sample ID: T090427MB2		SampType: MBLK	TestCode: 8260_S_5035		Units: µg/Kg	Prep Date:			RunNo: 108533		
Client ID: PBS	Batch ID: T09VS110		TestNo: EPA 8260B		Analysis Date: 4/27/2009			SeqNo: 1703254			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
n-Propylbenzene	ND	5.0									
Naphthalene	ND	5.0									
o-Xylene	ND	5.0									
sec-Butylbenzene	ND	5.0									
Styrene	ND	5.0									
tert-Butylbenzene	ND	5.0									
Tetrachloroethene	ND	5.0									
Toluene	ND	5.0									
trans-1,2-Dichloroethene	ND	5.0									
Trichloroethene	ND	5.0									
Trichlorofluoromethane	ND	5.0									
Vinyl chloride	ND	5.0									
Surr: 1,2-Dichloroethane-d4	46.030		50.00		92.1	68	147				
Surr: 4-Bromofluorobenzene	45.740		50.00		91.5	67	127				
Surr: Dibromofluoromethane	50.840		50.00		102	72	141				
Surr: Toluene-d8	55.940		50.00		112	75	120				

Sample ID: 105210-022B	SampType: DUP	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date: 4/27/2009	RunNo: 108533						
Client ID: 1001-118-2-S	Batch ID: T09VS110	TestNo: EPA 8260B		Analysis Date: 4/27/2009	SeqNo: 1703265						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	5.9						0	0	20	
1,1,1-Trichloroethane	ND	5.9						0	0	20	
1,1,2,2-Tetrachloroethane	ND	5.9						0	0	20	
1,1,2-Trichloroethane	ND	5.9						0	0	20	
1,1-Dichloroethane	ND	5.9						0	0	20	
1,1-Dichloroethene	ND	5.9						0	0	20	
1,1-Dichloropropene	ND	5.9						0	0	20	
1,2,3-Trichlorobenzene	ND	5.9						0	0	20	
1,2,3-Trichloropropane	ND	5.9						0	0	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
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DO	Surrogate Diluted Out		Calculations are based on raw values		



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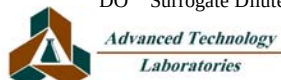
ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S_5035

Sample ID: 105210-022B	SampType: DUP	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date: 4/27/2009	RunNo: 108533						
Client ID: 1001-118-2-S	Batch ID: T09VS110	TestNo: EPA 8260B		Analysis Date: 4/27/2009	SeqNo: 1703265						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	ND	5.9						0	0	20	
1,2,4-Trimethylbenzene	ND	5.9						0	0	20	
1,2-Dibromo-3-chloropropane	ND	12						0	0	20	
1,2-Dibromoethane	ND	5.9						0	0	20	
1,2-Dichlorobenzene	ND	5.9						0	0	20	
1,2-Dichloroethane	ND	5.9						0	0	20	
1,2-Dichloropropane	ND	5.9						0	0	20	
1,3,5-Trimethylbenzene	ND	5.9						0	0	20	
1,3-Dichlorobenzene	ND	5.9						0	0	20	
1,3-Dichloropropane	ND	5.9						0	0	20	
1,4-Dichlorobenzene	ND	5.9						0	0	20	
2,2-Dichloropropane	ND	5.9						0	0	20	
2-Butanone	ND	59						0	0	20	
2-Chloroethyl vinyl ether	ND	5.9						0	0	20	
2-Chlorotoluene	ND	5.9						0	0	20	
2-Hexanone	ND	59						0	0	20	
4-Chlorotoluene	ND	5.9						0	0	20	
4-Isopropyltoluene	ND	5.9						0	0	20	
4-Methyl-2-pentanone	ND	59						0	0	20	
Acetone	18.227	59						25.78	0	20	
Acrolein	ND	59						0	0	20	
Acrylonitrile	ND	59						0	0	20	
Benzene	ND	5.9						0	0	20	
Bromobenzene	ND	5.9						0	0	20	
Bromochloromethane	ND	5.9						0	0	20	
Bromodichloromethane	ND	5.9						0	0	20	
Bromoform	ND	5.9						0	0	20	
Bromomethane	ND	5.9						0	0	20	
Carbon disulfide	ND	5.9						0	0	20	
Carbon tetrachloride	ND	5.9						0	0	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
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DO	Surrogate Diluted Out		Calculations are based on raw values		



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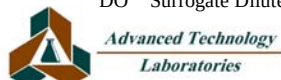
ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S_5035

Sample ID: 105210-022B	SampType: DUP	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date: 4/27/2009	RunNo: 108533						
Client ID: 1001-118-2-S	Batch ID: T09VS110	TestNo: EPA 8260B		Analysis Date: 4/27/2009	SeqNo: 1703265						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorobenzene	ND	5.9						0	0	20	
Chloroethane	ND	5.9						0	0	20	
Chloroform	ND	5.9						0	0	20	
Chloromethane	ND	5.9						0	0	20	
cis-1,2-Dichloroethene	ND	5.9						0	0	20	
cis-1,3-Dichloropropene	ND	5.9						0	0	20	
Cyclohexanone	ND	59						0	0	20	
Di-isopropyl ether	ND	5.9						0	0	20	
Dibromochloromethane	ND	5.9						0	0	20	
Dibromomethane	ND	5.9						0	0	20	
Dichlorodifluoromethane	ND	5.9						0	0	20	
Ethyl Acetate	ND	59						0	0	20	
Ethyl Ether	ND	59						0	0	20	
Ethyl Tert-butyl ether	ND	5.9						0	0	20	
Ethylbenzene	ND	5.9						0	0	20	
Freon-113	ND	5.9						0	0	20	
Hexachlorobutadiene	ND	5.9						0	0	20	
Iodomethane	ND	5.9						0	0	20	
Isopropylbenzene	ND	5.9						0	0	20	
m,p-Xylene	ND	12						0	0	20	
Methylene chloride	ND	5.9						0	0	20	
MTBE	ND	5.9						0	0	20	
n-Butylbenzene	ND	5.9						0	0	20	
n-Propylbenzene	ND	5.9						0	0	20	
Naphthalene	ND	5.9						0	0	20	
o-Xylene	ND	5.9						0	0	20	
sec-Butylbenzene	ND	5.9						0	0	20	
Styrene	ND	5.9						0	0	20	
Tert-amyl methyl ether	ND	5.9						0	0	20	
Tert-Butanol	ND	120						0	0	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
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DO	Surrogate Diluted Out		Calculations are based on raw values		



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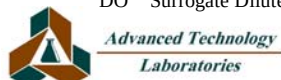
ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S_5035

Sample ID: 105210-022B	SampType: DUP	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date: 4/27/2009	RunNo: 108533						
Client ID: 1001-118-2-S	Batch ID: T09VS110	TestNo: EPA 8260B		Analysis Date: 4/27/2009	SeqNo: 1703265						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
tert-Butylbenzene	ND	5.9						0	0	20	
Tetrachloroethene	12.411	5.9						18.79	40.9	20	
Toluene	ND	5.9						0	0	20	
trans-1,2-Dichloroethene	ND	5.9						0	0	20	
trans-1,3-Dichloropropene	ND	5.9						0	0	20	
Trichloroethene	ND	5.9						0	0	20	
Trichlorofluoromethane	ND	5.9						0	0	20	
Vinyl acetate	ND	59						0	0	20	
Vinyl chloride	ND	5.9						0	0	20	
Xylenes, Total	ND	18						0	0	20	
Surr: 1,2-Dichloroethane-d4	60.296		59.10		102	68	147		0	20	
Surr: 4-Bromofluorobenzene	48.546		59.10		82.1	67	127		0	20	
Surr: Dibromofluoromethane	61.087		59.10		103	72	141		0	20	
Surr: Toluene-d8	61.998		59.10		105	75	120		0	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



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ANALYTICAL QC SUMMARY REPORT

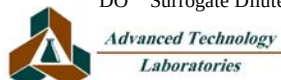
TestCode: 8260_S_5035

Sample ID: T090427LC3		SampType: LCS	TestCode: 8260_S_5035		Units: µg/Kg	Prep Date:			RunNo: 108547		
Client ID: LCSS	Batch ID: T09VS111		TestNo: EPA 8260B		Analysis Date: 4/27/2009			SeqNo: 1703482			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	50.890	5.0	50.00	0	102	70	130				
Benzene	110.630	5.0	100.0	0	111	70	130				
Chlorobenzene	52.200	5.0	50.00	0	104	70	130				
MTBE	48.590	5.0	50.00	0	97.2	70	130				
Toluene	114.690	5.0	100.0	0	115	70	130				
Trichloroethene	47.750	5.0	50.00	0	95.5	70	130				
Surr: 1,2-Dichloroethane-d4	45.220		50.00		90.4	68	147				
Surr: 4-Bromofluorobenzene	45.930		50.00		91.9	67	127				
Surr: Dibromofluoromethane	49.930		50.00		99.9	72	141				
Surr: Toluene-d8	54.740		50.00		109	75	120				

Sample ID: T090427MB4		SampType: MBLK		TestCode: 8260_S_5035		Units: µg/Kg		Prep Date:		RunNo: 108547		
Client ID: PBS		Batch ID: T09VS111		TestNo: EPA 8260B				Analysis Date: 4/27/2009		SeqNo: 1703484		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane		ND	5.0									
1,1,1-Trichloroethane		ND	5.0									
1,1,2,2-Tetrachloroethane		ND	5.0									
1,1,2-Trichloroethane		ND	5.0									
1,1-Dichloroethane		ND	5.0									
1,1-Dichloroethene		ND	5.0									
1,1-Dichloropropene		ND	5.0									
1,2,3-Trichlorobenzene		ND	5.0									
1,2,3-Trichloropropane		ND	5.0									
1,2,4-Trichlorobenzene		ND	5.0									
1,2,4-Trimethylbenzene		ND	5.0									
1,2-Dibromo-3-chloropropane		ND	10									
1,2-Dibromoethane		ND	5.0									
1,2-Dichlorobenzene		ND	5.0									
1,2-Dichloroethane		ND	5.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



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Work Order: 105210
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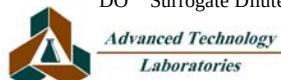
ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S_5035

Sample ID: T090427MB4	SampType: MBLK	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date:					RunNo: 108547		
Client ID: PBS	Batch ID: T09VS111	TestNo: EPA 8260B		Analysis Date: 4/27/2009					SeqNo: 1703484		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dichloropropane	ND	5.0									
1,3,5-Trimethylbenzene	ND	5.0									
1,3-Dichlorobenzene	ND	5.0									
1,3-Dichloropropane	ND	5.0									
1,4-Dichlorobenzene	ND	5.0									
2,2-Dichloropropane	ND	5.0									
2-Chlorotoluene	ND	5.0									
4-Chlorotoluene	ND	5.0									
4-Isopropyltoluene	ND	5.0									
Benzene	ND	5.0									
Bromobenzene	ND	5.0									
Bromodichloromethane	ND	5.0									
Bromoform	ND	5.0									
Bromomethane	ND	5.0									
Carbon tetrachloride	ND	5.0									
Chlorobenzene	ND	5.0									
Chloroethane	ND	5.0									
Chloroform	ND	5.0									
Chloromethane	ND	5.0									
cis-1,2-Dichloroethene	ND	5.0									
cis-1,3-Dichloropropene	ND	5.0									
Dibromochloromethane	ND	5.0									
Dibromomethane	ND	5.0									
Dichlorodifluoromethane	ND	5.0									
Ethylbenzene	ND	5.0									
Hexachlorobutadiene	ND	5.0									
Isopropylbenzene	ND	5.0									
m,p-Xylene	ND	10									
Methylene chloride	ND	5.0									
n-Butylbenzene	ND	5.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



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ANALYTICAL QC SUMMARY REPORT

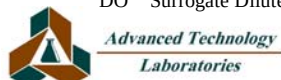
TestCode: 8260_S_5035

Sample ID: T090427MB4		SampType: MBLK	TestCode: 8260_S_5035		Units: µg/Kg	Prep Date:			RunNo: 108547		
Client ID: PBS	Batch ID: T09VS111		TestNo: EPA 8260B		Analysis Date: 4/27/2009			SeqNo: 1703484			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
n-Propylbenzene	ND	5.0									
Naphthalene	ND	5.0									
o-Xylene	ND	5.0									
sec-Butylbenzene	ND	5.0									
Styrene	ND	5.0									
tert-Butylbenzene	ND	5.0									
Tetrachloroethene	ND	5.0									
Toluene	ND	5.0									
trans-1,2-Dichloroethene	ND	5.0									
Trichloroethene	ND	5.0									
Trichlorofluoromethane	ND	5.0									
Vinyl chloride	ND	5.0									
Surr: 1,2-Dichloroethane-d4	46.310		50.00		92.6	68	147				
Surr: 4-Bromofluorobenzene	47.170		50.00		94.3	67	127				
Surr: Dibromofluoromethane	48.420		50.00		96.8	72	141				
Surr: Toluene-d8	51.960		50.00		104	75	120				

Sample ID: 105210-042B	SampType: DUP	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date: 4/27/2009	RunNo: 108547						
Client ID: 1001-120-25-S	Batch ID: T09VS111	TestNo: EPA 8260B		Analysis Date: 4/27/2009	SeqNo: 1703495						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	4.7						0	0	20	
1,1,1-Trichloroethane	ND	4.7						0	0	20	
1,1,2,2-Tetrachloroethane	ND	4.7						0	0	20	
1,1,2-Trichloroethane	ND	4.7						0	0	20	
1,1-Dichloroethane	ND	4.7						0	0	20	
1,1-Dichloroethene	ND	4.7						0	0	20	
1,1-Dichloropropene	ND	4.7						0	0	20	
1,2,3-Trichlorobenzene	ND	4.7						0	0	20	
1,2,3-Trichloropropane	ND	4.7						0	0	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



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Work Order: 105210
Project: 207126015

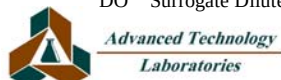
ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S_5035

Sample ID: 105210-042B	SampType: DUP	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date: 4/27/2009	RunNo: 108547						
Client ID: 1001-120-25-S	Batch ID: T09VS111	TestNo: EPA 8260B		Analysis Date: 4/27/2009	SeqNo: 1703495						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	ND	4.7						0	0	20	
1,2,4-Trimethylbenzene	ND	4.7						0	0	20	
1,2-Dibromo-3-chloropropane	ND	9.4						0	0	20	
1,2-Dibromoethane	ND	4.7						0	0	20	
1,2-Dichlorobenzene	ND	4.7						0	0	20	
1,2-Dichloroethane	ND	4.7						0	0	20	
1,2-Dichloropropane	ND	4.7						0	0	20	
1,3,5-Trimethylbenzene	ND	4.7						0	0	20	
1,3-Dichlorobenzene	ND	4.7						0	0	20	
1,3-Dichloropropane	ND	4.7						0	0	20	
1,4-Dichlorobenzene	ND	4.7						0	0	20	
2,2-Dichloropropane	ND	4.7						0	0	20	
2-Butanone	ND	47						0	0	20	
2-Chloroethyl vinyl ether	ND	4.7						0	0	20	
2-Chlorotoluene	ND	4.7						0	0	20	
2-Hexanone	ND	47						0	0	20	
4-Chlorotoluene	ND	4.7						0	0	20	
4-Isopropyltoluene	ND	4.7						0	0	20	
4-Methyl-2-pentanone	ND	47						0	0	20	
Acetone	ND	47						0	0	20	
Acrolein	ND	47						0	0	20	
Acrylonitrile	ND	47						0	0	20	
Benzene	ND	4.7						0	0	20	
Bromobenzene	ND	4.7						0	0	20	
Bromochloromethane	ND	4.7						0	0	20	
Bromodichloromethane	ND	4.7						0	0	20	
Bromoform	ND	4.7						0	0	20	
Bromomethane	ND	4.7						0	0	20	
Carbon disulfide	0.648	4.7						0	0	20	
Carbon tetrachloride	ND	4.7						0	0	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



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Work Order: 105210
Project: 207126015

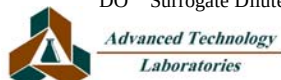
ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S_5035

Sample ID: 105210-042B	SampType: DUP	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date: 4/27/2009	RunNo: 108547						
Client ID: 1001-120-25-S	Batch ID: T09VS111	TestNo: EPA 8260B		Analysis Date: 4/27/2009	SeqNo: 1703495						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorobenzene	ND	4.7						0	0	20	
Chloroethane	ND	4.7						0	0	20	
Chloroform	ND	4.7						0	0	20	
Chloromethane	ND	4.7						0	0	20	
cis-1,2-Dichloroethene	ND	4.7						0	0	20	
cis-1,3-Dichloropropene	ND	4.7						0	0	20	
Cyclohexanone	ND	4.7						0	0	20	
Di-isopropyl ether	ND	4.7						0	0	20	
Dibromochloromethane	ND	4.7						0	0	20	
Dibromomethane	ND	4.7						0	0	20	
Dichlorodifluoromethane	ND	4.7						0	0	20	
Ethyl Acetate	ND	4.7						0	0	20	
Ethyl Ether	ND	4.7						0	0	20	
Ethyl Tert-butyl ether	ND	4.7						0	0	20	
Ethylbenzene	ND	4.7						0	0	20	
Freon-113	ND	4.7						0	0	20	
Hexachlorobutadiene	ND	4.7						0	0	20	
Iodomethane	ND	4.7						0	0	20	
Isopropylbenzene	ND	4.7						0	0	20	
m,p-Xylene	ND	9.4						0	0	20	
Methylene chloride	ND	4.7						0	0	20	
MTBE	ND	4.7						0	0	20	
n-Butylbenzene	ND	4.7						0	0	20	
n-Propylbenzene	ND	4.7						0	0	20	
Naphthalene	ND	4.7						0	0	20	
o-Xylene	ND	4.7						0	0	20	
sec-Butylbenzene	ND	4.7						0	0	20	
Styrene	ND	4.7						0	0	20	
Tert-amyl methyl ether	ND	4.7						0	0	20	
Tert-Butanol	ND	9.4						0	0	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



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CLIENT: Ninyo & Moore
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Project: 207126015

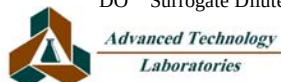
ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S_5035

Sample ID: 105210-042B	SampType: DUP	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date: 4/27/2009	RunNo: 108547						
Client ID: 1001-120-25-S	Batch ID: T09VS111	TestNo: EPA 8260B		Analysis Date: 4/27/2009	SeqNo: 1703495						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
tert-Butylbenzene	ND	4.7						0	0	20	
Tetrachloroethene	ND	4.7						0	0	20	
Toluene	ND	4.7						0	0	20	
trans-1,2-Dichloroethene	ND	4.7						0	0	20	
trans-1,3-Dichloropropene	ND	4.7						0	0	20	
Trichloroethene	ND	4.7						0	0	20	
Trichlorofluoromethane	ND	4.7						0	0	20	
Vinyl acetate	ND	4.7						0	0	20	
Vinyl chloride	ND	4.7						0	0	20	
Xylenes, Total	ND	14						0	0	20	
Surr: 1,2-Dichloroethane-d4	55.808		46.99		119	68	147		0	20	
Surr: 4-Bromofluorobenzene	45.977		46.99		97.8	67	127		0	20	
Surr: Dibromofluoromethane	54.765		46.99		117	72	141		0	20	
Surr: Toluene-d8	51.118		46.99		109	75	120		0	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



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ANALYTICAL QC SUMMARY REPORT

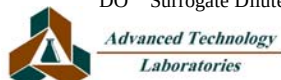
TestCode: 8260_S_5035

Sample ID: T090428LC1		SampType: LCS	TestCode: 8260_S_5035		Units: µg/Kg	Prep Date:			RunNo: 108632			
Client ID: LCSS		Batch ID: T09VS112	TestNo: EPA 8260B			Analysis Date: 4/28/2009			SeqNo: 1704650			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene		41.530	5.0	50.00	0	83.1	70	130				
Benzene		88.940	5.0	100.0	0	88.9	70	130				
Chlorobenzene		49.560	5.0	50.00	0	99.1	70	130				
MTBE		42.590	5.0	50.00	0	85.2	70	130				
Toluene		92.390	5.0	100.0	0	92.4	70	130				
Trichloroethene		39.820	5.0	50.00	0	79.6	70	130				
Surr: 1,2-Dichloroethane-d4		39.140		50.00		78.3	68	147				
Surr: 4-Bromofluorobenzene		45.940		50.00		91.9	67	127				
Surr: Dibromofluoromethane		44.320		50.00		88.6	72	141				
Surr: Toluene-d8		49.710		50.00		99.4	75	120				

Sample ID: T090428MB2		SampType: MBLK		TestCode: 8260_S_5035		Units: µg/Kg		Prep Date:			RunNo: 108632	
Client ID: PBS		Batch ID: T09VS112		TestNo: EPA 8260B		Analysis Date: 4/28/2009			SeqNo: 1704652			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane		ND	5.0									
1,1,1-Trichloroethane		ND	5.0									
1,1,2,2-Tetrachloroethane		ND	5.0									
1,1,2-Trichloroethane		ND	5.0									
1,1-Dichloroethane		ND	5.0									
1,1-Dichloroethene		ND	5.0									
1,1-Dichloropropene		ND	5.0									
1,2,3-Trichlorobenzene		ND	5.0									
1,2,3-Trichloropropane		ND	5.0									
1,2,4-Trichlorobenzene		ND	5.0									
1,2,4-Trimethylbenzene		ND	5.0									
1,2-Dibromo-3-chloropropane		ND	10									
1,2-Dibromoethane		ND	5.0									
1,2-Dichlorobenzene		ND	5.0									
1,2-Dichloroethane		ND	5.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



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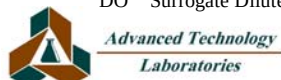
ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S_5035

Sample ID: T090428MB2	SampType: MBLK	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date:					RunNo: 108632		
Client ID: PBS	Batch ID: T09VS112	TestNo: EPA 8260B		Analysis Date: 4/28/2009					SeqNo: 1704652		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dichloropropane	ND	5.0									
1,3,5-Trimethylbenzene	ND	5.0									
1,3-Dichlorobenzene	ND	5.0									
1,3-Dichloropropane	ND	5.0									
1,4-Dichlorobenzene	ND	5.0									
2,2-Dichloropropane	ND	5.0									
2-Chlorotoluene	ND	5.0									
4-Chlorotoluene	ND	5.0									
4-Isopropyltoluene	ND	5.0									
Benzene	ND	5.0									
Bromobenzene	ND	5.0									
Bromodichloromethane	ND	5.0									
Bromoform	ND	5.0									
Bromomethane	ND	5.0									
Carbon tetrachloride	ND	5.0									
Chlorobenzene	ND	5.0									
Chloroethane	ND	5.0									
Chloroform	ND	5.0									
Chloromethane	ND	5.0									
cis-1,2-Dichloroethene	ND	5.0									
cis-1,3-Dichloropropene	ND	5.0									
Dibromochloromethane	ND	5.0									
Dibromomethane	ND	5.0									
Dichlorodifluoromethane	ND	5.0									
Ethylbenzene	ND	5.0									
Hexachlorobutadiene	ND	5.0									
Isopropylbenzene	ND	5.0									
m,p-Xylene	ND	10									
Methylene chloride	ND	5.0									
n-Butylbenzene	ND	5.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



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ANALYTICAL QC SUMMARY REPORT

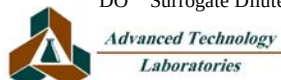
TestCode: 8260_S_5035

Sample ID: T090428MB2		SampType: MBLK		TestCode: 8260_S_5035		Units: µg/Kg		Prep Date:		RunNo: 108632		
Client ID: PBS		Batch ID: T09VS112		TestNo: EPA 8260B				Analysis Date: 4/28/2009		SeqNo: 1704652		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
n-Propylbenzene		ND	5.0									
Naphthalene		ND	5.0									
o-Xylene		ND	5.0									
sec-Butylbenzene		ND	5.0									
Styrene		ND	5.0									
tert-Butylbenzene		ND	5.0									
Tetrachloroethene		ND	5.0									
Toluene		ND	5.0									
trans-1,2-Dichloroethene		ND	5.0									
Trichloroethene		ND	5.0									
Trichlorofluoromethane		ND	5.0									
Vinyl chloride		ND	5.0									
Surr: 1,2-Dichloroethane-d4		40.850		50.00		81.7	68	147				
Surr: 4-Bromofluorobenzene		43.830		50.00		87.7	67	127				
Surr: Dibromofluoromethane		44.750		50.00		89.5	72	141				
Surr: Toluene-d8		48.970		50.00		97.9	75	120				

Sample ID: 105210-046B	SampType: DUP	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date: 4/28/2009	RunNo: 108632						
Client ID: 1001-120-40-S	Batch ID: T09VS112	TestNo: EPA 8260B		Analysis Date: 4/28/2009	SeqNo: 1704814						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	4.5						0	0	20	
1,1,1-Trichloroethane	ND	4.5						0	0	20	
1,1,2,2-Tetrachloroethane	ND	4.5						0	0	20	
1,1,2-Trichloroethane	ND	4.5						0	0	20	
1,1-Dichloroethane	ND	4.5						0	0	20	
1,1-Dichloroethene	ND	4.5						0	0	20	
1,1-Dichloropropene	ND	4.5						0	0	20	
1,2,3-Trichlorobenzene	ND	4.5						0	0	20	
1,2,3-Trichloropropane	ND	4.5						0	0	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



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Work Order: 105210
Project: 207126015

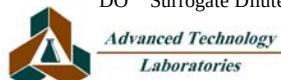
ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S_5035

Sample ID: 105210-046B	SampType: DUP	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date: 4/28/2009	RunNo: 108632						
Client ID: 1001-120-40-S	Batch ID: T09VS112	TestNo: EPA 8260B		Analysis Date: 4/28/2009	SeqNo: 1704814						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	ND	4.5						0	0	20	
1,2,4-Trimethylbenzene	ND	4.5						0	0	20	
1,2-Dibromo-3-chloropropane	ND	9.1						0	0	20	
1,2-Dibromoethane	ND	4.5						0	0	20	
1,2-Dichlorobenzene	ND	4.5						0	0	20	
1,2-Dichloroethane	ND	4.5						0	0	20	
1,2-Dichloropropane	ND	4.5						0	0	20	
1,3,5-Trimethylbenzene	ND	4.5						0	0	20	
1,3-Dichlorobenzene	ND	4.5						0	0	20	
1,3-Dichloropropane	ND	4.5						0	0	20	
1,4-Dichlorobenzene	ND	4.5						0	0	20	
2,2-Dichloropropane	ND	4.5						0	0	20	
2-Butanone	ND	45						0	0	20	
2-Chloroethyl vinyl ether	ND	4.5						0	0	20	
2-Chlorotoluene	ND	4.5						0	0	20	
2-Hexanone	ND	45						0	0	20	
4-Chlorotoluene	ND	4.5						0	0	20	
4-Isopropyltoluene	ND	4.5						0	0	20	
4-Methyl-2-pentanone	ND	45						0	0	20	
Acetone	ND	45						0	0	20	
Acrolein	ND	45						0	0	20	
Acrylonitrile	ND	45						0	0	20	
Benzene	ND	4.5						0	0	20	
Bromobenzene	ND	4.5						0	0	20	
Bromochloromethane	ND	4.5						0	0	20	
Bromodichloromethane	ND	4.5						0	0	20	
Bromoform	ND	4.5						0	0	20	
Bromomethane	ND	4.5						0	0	20	
Carbon disulfide	ND	4.5						0	0	20	
Carbon tetrachloride	ND	4.5						0	0	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
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DO	Surrogate Diluted Out		Calculations are based on raw values		



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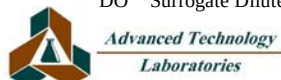
ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S_5035

Sample ID: 105210-046B	SampType: DUP	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date: 4/28/2009	RunNo: 108632						
Client ID: 1001-120-40-S	Batch ID: T09VS112	TestNo: EPA 8260B		Analysis Date: 4/28/2009	SeqNo: 1704814						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorobenzene	ND	4.5						0	0	20	
Chloroethane	ND	4.5						0	0	20	
Chloroform	ND	4.5						0	0	20	
Chloromethane	ND	4.5						0	0	20	
cis-1,2-Dichloroethene	ND	4.5						0	0	20	
cis-1,3-Dichloropropene	ND	4.5						0	0	20	
Cyclohexanone	ND	45						0	0	20	
Di-isopropyl ether	ND	4.5						0	0	20	
Dibromochloromethane	ND	4.5						0	0	20	
Dibromomethane	ND	4.5						0	0	20	
Dichlorodifluoromethane	ND	4.5						0	0	20	
Ethyl Acetate	ND	45						0	0	20	
Ethyl Ether	ND	45						0	0	20	
Ethyl Tert-butyl ether	ND	4.5						0	0	20	
Ethylbenzene	ND	4.5						0	0	20	
Freon-113	ND	4.5						0	0	20	
Hexachlorobutadiene	ND	4.5						0	0	20	
Iodomethane	ND	4.5						0	0	20	
Isopropylbenzene	ND	4.5						0	0	20	
m,p-Xylene	ND	9.1						0	0	20	
Methylene chloride	ND	4.5						0	0	20	
MTBE	ND	4.5						0	0	20	
n-Butylbenzene	ND	4.5						0	0	20	
n-Propylbenzene	ND	4.5						0	0	20	
Naphthalene	ND	4.5						0	0	20	
o-Xylene	ND	4.5						0	0	20	
sec-Butylbenzene	ND	4.5						0	0	20	
Styrene	ND	4.5						0	0	20	
Tert-amyl methyl ether	ND	4.5						0	0	20	
Tert-Butanol	ND	91						0	0	20	

Qualifiers:

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DO	Surrogate Diluted Out		Calculations are based on raw values		



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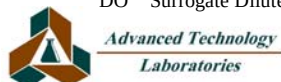
ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S_5035

Sample ID: 105210-046B	SampType: DUP	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date: 4/28/2009	RunNo: 108632						
Client ID: 1001-120-40-S	Batch ID: T09VS112	TestNo: EPA 8260B		Analysis Date: 4/28/2009	SeqNo: 1704814						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
tert-Butylbenzene	ND	4.5						0	0	20	
Tetrachloroethene	ND	4.5						0	0	20	
Toluene	ND	4.5						0	0	20	
trans-1,2-Dichloroethene	ND	4.5						0	0	20	
trans-1,3-Dichloropropene	ND	4.5						0	0	20	
Trichloroethene	ND	4.5						0	0	20	
Trichlorofluoromethane	ND	4.5						0	0	20	
Vinyl acetate	ND	45						0	0	20	
Vinyl chloride	ND	4.5						0	0	20	
Xylenes, Total	ND	14						0	0	20	
Surr: 1,2-Dichloroethane-d4	44.045		45.45		96.9	68	147		0	20	
Surr: 4-Bromofluorobenzene	42.418		45.45		93.3	67	127		0	20	
Surr: Dibromofluoromethane	43.236		45.45		95.1	72	141		0	20	
Surr: Toluene-d8	45.809		45.45		101	75	120		0	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
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Project: 207126015

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP

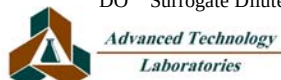
Sample ID: A090429LCS1		SampType: LCS		TestCode: 8260_WP		Units: µg/L		Prep Date:			RunNo: 108623		
Client ID: LCSW		Batch ID: A09VW077		TestNo: EPA 8260B		Analysis Date: 4/29/2009			SeqNo: 1704528				
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
1,1-Dichloroethene		17.330	5.0	20.00	0	86.7	70	130					
Benzene		37.830	5.0	40.00	0	94.6	70	130					
Chlorobenzene		19.770	5.0	20.00	0	98.8	70	130					
MTBE		19.880	5.0	20.00	0	99.4	70	130					
Toluene		37.890	5.0	40.00	0	94.7	70	130					
Trichloroethene		17.930	5.0	20.00	0	89.7	70	130					
Surr: 1,2-Dichloroethane-d4		48.700		50.00		97.4	70	130					
Surr: 4-Bromofluorobenzene		49.940		50.00		99.9	70	130					
Surr: Dibromofluoromethane		49.160		50.00		98.3	70	130					
Surr: Toluene-d8		52.160		50.00		104	70	130					

Sample ID: A090429MB2MS	SampType: MS	TestCode: 8260_WP	Units: µg/L	Prep Date:	RunNo: 108623						
Client ID: ZZZZZZ	Batch ID: A09VW077	TestNo: EPA 8260B		Analysis Date: 4/29/2009	SeqNo: 1704529						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	20.840	5.0	20.00	0	104	70	130				
Benzene	40.810	5.0	40.00	0	102	70	130				
Chlorobenzene	20.780	5.0	20.00	0	104	70	130				
Toluene	41.550	5.0	40.00	0	104	70	130				
Trichloroethene	19.830	5.0	20.00	0	99.2	70	130				
Surr: 1,2-Dichloroethane-d4	47.700		50.00		95.4	70	130				
Surr: 4-Bromofluorobenzene	49.630		50.00		99.3	70	130				
Surr: Dibromofluoromethane	48.680		50.00		97.4	70	130				
Surr: Toluene-d8	52.830		50.00		106	70	130				

Sample ID: A090429MB2MSD	SampType: MSD	TestCode: 8260_WP	Units: µg/L	Prep Date:	RunNo: 108623						
Client ID: ZZZZZZ	Batch ID: A09VW077	TestNo: EPA 8260B		Analysis Date: 4/29/2009	SeqNo: 1704530						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	20.180	5.0	20.00	0	101	70	130	20.84	3.22	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



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ANALYTICAL QC SUMMARY REPORT

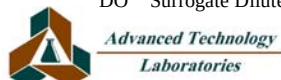
TestCode: 8260_WP

Sample ID: A090429MB2MSD	SampType: MSD	TestCode: 8260_WP	Units: µg/L	Prep Date:	RunNo: 108623						
Client ID: ZZZZZZ	Batch ID: A09VW077	TestNo: EPA 8260B		Analysis Date: 4/29/2009	SeqNo: 1704530						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	40.120	5.0	40.00	0	100	70	130	40.81	1.71	20	
Chlorobenzene	21.100	5.0	20.00	0	106	70	130	20.78	1.53	20	
Toluene	41.410	5.0	40.00	0	104	70	130	41.55	0.338	20	
Trichloroethene	19.520	5.0	20.00	0	97.6	70	130	19.83	1.58	20	
Surr: 1,2-Dichloroethane-d4	46.570		50.00		93.1	70	130		0	20	
Surr: 4-Bromofluorobenzene	49.570		50.00		99.1	70	130		0	20	
Surr: Dibromofluoromethane	47.670		50.00		95.3	70	130		0	20	
Surr: Toluene-d8	52.260		50.00		105	70	130		0	20	

Sample ID: A090429MB2		SampType: MBLK		TestCode: 8260_WP		Units: µg/L		Prep Date:		RunNo: 108623		
Client ID: PBW		Batch ID: A09VW077		TestNo: EPA 8260B				Analysis Date: 4/29/2009		SeqNo: 1704531		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane		ND	5.0									
1,1,1-Trichloroethane		ND	5.0									
1,1,2,2-Tetrachloroethane		ND	5.0									
1,1,2-Trichloroethane		ND	5.0									
1,1-Dichloroethane		ND	5.0									
1,1-Dichloroethene		ND	5.0									
1,1-Dichloropropene		ND	5.0									
1,2,3-Trichlorobenzene		ND	5.0									
1,2,3-Trichloropropane		ND	5.0									
1,2,4-Trichlorobenzene		ND	5.0									
1,2,4-Trimethylbenzene		ND	5.0									
1,2-Dibromo-3-chloropropane		ND	5.0									
1,2-Dibromoethane		ND	5.0									
1,2-Dichlorobenzene		ND	5.0									
1,2-Dichloroethane		ND	5.0									
1,2-Dichloropropane		ND	5.0									
1,3,5-Trimethylbenzene		ND	5.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
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Project: 207126015

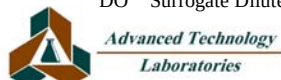
ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP

Sample ID: A090429MB2	SampType: MBLK	TestCode: 8260_WP	Units: µg/L	Prep Date:	RunNo: 108623						
Client ID: PBW	Batch ID: A09VW077	TestNo: EPA 8260B	Analysis Date: 4/29/2009	SeqNo: 1704531							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,3-Dichlorobenzene	ND	5.0									
1,3-Dichloropropane	ND	5.0									
1,4-Dichlorobenzene	ND	5.0									
2,2-Dichloropropane	ND	5.0									
2-Chlorotoluene	ND	5.0									
4-Chlorotoluene	ND	5.0									
4-Isopropyltoluene	ND	5.0									
Benzene	ND	5.0									
Bromobenzene	ND	5.0									
Bromodichloromethane	ND	5.0									
Bromoform	ND	5.0									
Bromomethane	ND	5.0									
Carbon tetrachloride	ND	5.0									
Chlorobenzene	ND	5.0									
Chloroethane	ND	5.0									
Chloroform	ND	5.0									
Chloromethane	ND	5.0									
cis-1,2-Dichloroethene	ND	5.0									
cis-1,3-Dichloropropene	ND	5.0									
Dibromochloromethane	ND	5.0									
Dibromomethane	ND	5.0									
Dichlorodifluoromethane	ND	5.0									
Ethylbenzene	ND	5.0									
Hexachlorobutadiene	ND	5.0									
Isopropylbenzene	ND	5.0									
m,p-Xylene	ND	10									
Methylene chloride	ND	5.0									
n-Butylbenzene	ND	5.0									
n-Propylbenzene	ND	5.0									
Naphthalene	ND	5.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
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ANALYTICAL QC SUMMARY REPORT

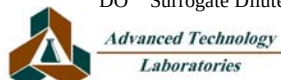
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Client ID: PBW		Batch ID: A09VW077		TestNo: EPA 8260B				Analysis Date: 4/29/2009		SeqNo: 1704531		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
o-Xylene		ND	5.0									
sec-Butylbenzene		ND	5.0									
Styrene		ND	5.0									
tert-Butylbenzene		ND	5.0									
Tetrachloroethene		ND	5.0									
Toluene		ND	5.0									
trans-1,2-Dichloroethene		ND	5.0									
Trichloroethene		ND	5.0									
Trichlorofluoromethane		ND	5.0									
Vinyl chloride		ND	5.0									
Surr: 1,2-Dichloroethane-d4		46.350		50.00		92.7	70	130				
Surr: 4-Bromofluorobenzene		48.380		50.00		96.8	70	130				
Surr: Dibromofluoromethane		47.520		50.00		95.0	70	130				
Surr: Toluene-d8		51.180		50.00		102	70	130				

Sample ID: 105210-047A	SampType: DUP	TestCode: 8260_WP	Units: µg/L	Prep Date:				RunNo: 108623			
Client ID: QCEB-3	Batch ID: A09VW077	TestNo: EPA 8260B	Analysis Date: 4/29/2009				SeqNo: 1704534				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0						0	0	20	
1,1,1-Trichloroethane	ND	5.0						0	0	20	
1,1,2,2-Tetrachloroethane	ND	5.0						0	0	20	
1,1,2-Trichloroethane	ND	5.0						0	0	20	
1,1-Dichloroethane	ND	5.0						0	0	20	
1,1-Dichloroethene	ND	5.0						0	0	20	
1,1-Dichloropropene	ND	5.0						0	0	20	
1,2,3-Trichlorobenzene	ND	5.0						0	0	20	
1,2,3-Trichloropropane	ND	5.0						0	0	20	
1,2,4-Trichlorobenzene	ND	5.0						0	0	20	
1,2,4-Trimethylbenzene	ND	5.0						0	0	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
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DO	Surrogate Diluted Out		Calculations are based on raw values		



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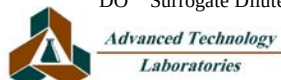
ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP

Sample ID: 105210-047A	SampType: DUP	TestCode: 8260_WP	Units: µg/L	Prep Date:	RunNo: 108623						
Client ID: QCEB-3	Batch ID: A09VW077	TestNo: EPA 8260B		Analysis Date: 4/29/2009	SeqNo: 1704534						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dibromo-3-chloropropane	ND	5.0						0	0	20	
1,2-Dibromoethane	ND	5.0						0	0	20	
1,2-Dichlorobenzene	ND	5.0						0	0	20	
1,2-Dichloroethane	ND	5.0						0	0	20	
1,2-Dichloropropane	ND	5.0						0	0	20	
1,3,5-Trimethylbenzene	ND	5.0						0	0	20	
1,3-Dichlorobenzene	ND	5.0						0	0	20	
1,3-Dichloropropane	ND	5.0						0	0	20	
1,4-Dichlorobenzene	ND	5.0						0	0	20	
2,2-Dichloropropane	ND	5.0						0	0	20	
2-Butanone	ND	50						0	0	20	
2-Chloroethyl vinyl ether	ND	5.0						0	0	20	
2-Chlorotoluene	ND	5.0						0	0	20	
2-Hexanone	ND	50						0	0	20	
4-Chlorotoluene	ND	5.0						0	0	20	
4-Isopropyltoluene	ND	5.0						0	0	20	
4-Methyl-2-pentanone	ND	50						0	0	20	
Acetone	ND	50						0	0	20	
Acrolein	ND	50						0	0	20	
Acrylonitrile	ND	50						0	0	20	
Benzene	ND	5.0						0	0	20	
Bromobenzene	ND	5.0						0	0	20	
Bromochloromethane	ND	5.0						0	0	20	
Bromodichloromethane	ND	5.0						0	0	20	
Bromoform	ND	5.0						0	0	20	
Bromomethane	ND	5.0						0	0	20	
Carbon disulfide	ND	5.0						0	0	20	
Carbon tetrachloride	ND	5.0						0	0	20	
Chlorobenzene	ND	5.0						0	0	20	
Chloroethane	ND	5.0						0	0	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



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CLIENT: Ninyo & Moore
Work Order: 105210
Project: 207126015

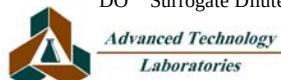
ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP

Sample ID: 105210-047A	SampType: DUP	TestCode: 8260_WP	Units: µg/L	Prep Date:				RunNo: 108623			
Client ID: QCEB-3	Batch ID: A09VW077	TestNo: EPA 8260B	Analysis Date: 4/29/2009				SeqNo: 1704534				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloroform	ND	5.0						0	0	20	
Chloromethane	ND	5.0						0	0	20	
cis-1,2-Dichloroethene	ND	5.0						0	0	20	
cis-1,3-Dichloropropene	ND	5.0						0	0	20	
Cyclohexanone	ND	50						0	0	20	
Di-isopropyl ether	ND	5.0						0	0	20	
Dibromochloromethane	ND	5.0						0	0	20	
Dibromomethane	ND	5.0						0	0	20	
Dichlorodifluoromethane	ND	5.0						0	0	20	
Ethyl Acetate	ND	50						0	0	20	
Ethyl Ether	ND	50						0	0	20	
Ethyl tert-butyl ether	ND	5.0						0	0	20	
Ethylbenzene	ND	5.0						0	0	20	
Freon-113	ND	5.0						0	0	20	
Hexachlorobutadiene	ND	5.0						0	0	20	
Iodomethane	ND	5.0						0	0	20	
Isopropylbenzene	ND	5.0						0	0	20	
m,p-Xylene	ND	10						0	0	20	
Methylene chloride	ND	5.0						0	0	20	
MTBE	ND	5.0						0	0	20	
n-Butylbenzene	ND	5.0						0	0	20	
n-Propylbenzene	ND	5.0						0	0	20	
Naphthalene	ND	5.0						0	0	20	
o-Xylene	ND	5.0						0	0	20	
sec-Butylbenzene	ND	5.0						0	0	20	
Styrene	ND	5.0						0	0	20	
Tert-amyl methyl ether	ND	5.0						0	0	20	
Tert-Butanol	ND	100						0	0	20	
tert-Butylbenzene	ND	5.0						0	0	20	
Tetrachloroethene	ND	5.0						0	0	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



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CLIENT: Ninyo & Moore
Work Order: 105210
Project: 207126015

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP

Sample ID: 105210-047A	SampType: DUP	TestCode: 8260_WP	Units: µg/L	Prep Date:				RunNo: 108623			
Client ID: QCEB-3	Batch ID: A09VW077	TestNo: EPA 8260B	Analysis Date: 4/29/2009				SeqNo: 1704534				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Toluene	ND	5.0						0	0	20	
trans-1,2-Dichloroethene	ND	5.0						0	0	20	
trans-1,3-Dichloropropene	ND	5.0						0	0	20	
Trichloroethene	ND	5.0						0	0	20	
Trichlorofluoromethane	ND	5.0						0	0	20	
Vinyl acetate	ND	50						0	0	20	
Vinyl chloride	ND	5.0						0	0	20	
Xylenes, Total	ND	15						0	0	20	
Surr: 1,2-Dichloroethane-d4	46.630		50.00		93.3	70	130		0	20	
Surr: 4-Bromofluorobenzene	48.010		50.00		96.0	70	130		0	20	
Surr: Dibromofluoromethane	48.710		50.00		97.4	70	130		0	20	
Surr: Toluene-d8	51.580		50.00		103	70	130		0	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



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[illegible]

May 26, 2009



David Shaler
Ninyo & Moore
475 Goddard Suite 200
Irvine, CA 92618

TEL: (949) 753-7070
FAX: (949) 753-7071

RE: 207126015

Attention: David Shaler

ELAP No.: 1838
NELAP No.: 02107CA
NEVADA.: CA-401
CSDLAC No.: 10196

Workorder No.: 105173

Enclosed are the results for sample(s) received on April 22, 2009 by Advanced Technology Laboratories . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

This is an addendum report. Please incorporate with documentation previously submitted.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Eddie F. Rodriguez
Laboratory Director

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Advanced Technology Laboratories

Date: 26-May-09

CLIENT: Ninyo & Moore

Project: 207126015

Lab Order: 105173

Contract No:

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
105173-001A	1001-117-25-S	Soil	4/22/2009 1:20:00 PM	4/22/2009	5/26/2009
105173-001B	1001-117-25-S	Soil	4/22/2009 1:20:00 PM	4/22/2009	5/26/2009
105173-001C	1001-117-25-S	Soil	4/22/2009 1:20:00 PM	4/22/2009	5/26/2009
105173-001D	1001-117-25-S	Soil	4/22/2009 1:20:00 PM	4/22/2009	5/26/2009
105173-001E	1001-117-25-S	Soil	4/22/2009 1:20:00 PM	4/22/2009	5/26/2009
105173-001F	1001-117-25-S	Soil	4/22/2009 1:20:00 PM	4/22/2009	5/26/2009
105173-001G	1001-117-25-S	Soil	4/22/2009 1:20:00 PM	4/22/2009	5/26/2009
105173-002A	1001-117-30-S	Soil	4/22/2009 1:30:00 PM	4/22/2009	5/26/2009
105173-002B	1001-117-30-S	Soil	4/22/2009 1:30:00 PM	4/22/2009	5/26/2009
105173-002C	1001-117-30-S	Soil	4/22/2009 1:30:00 PM	4/22/2009	5/26/2009
105173-002D	1001-117-30-S	Soil	4/22/2009 1:30:00 PM	4/22/2009	5/26/2009
105173-002E	1001-117-30-S	Soil	4/22/2009 1:30:00 PM	4/22/2009	5/26/2009
105173-002F	1001-117-30-S	Soil	4/22/2009 1:30:00 PM	4/22/2009	5/26/2009
105173-002G	1001-117-30-S	Soil	4/22/2009 1:30:00 PM	4/22/2009	5/26/2009
105173-003A	1001-117-30D-S	Soil	4/22/2009 1:30:00 PM	4/22/2009	5/26/2009
105173-003B	1001-117-30D-S	Soil	4/22/2009 1:30:00 PM	4/22/2009	5/26/2009
105173-003C	1001-117-30D-S	Soil	4/22/2009 1:30:00 PM	4/22/2009	5/26/2009
105173-003D	1001-117-30D-S	Soil	4/22/2009 1:30:00 PM	4/22/2009	5/26/2009
105173-003E	1001-117-30D-S	Soil	4/22/2009 1:30:00 PM	4/22/2009	5/26/2009
105173-003F	1001-117-30D-S	Soil	4/22/2009 1:30:00 PM	4/22/2009	5/26/2009
105173-003G	1001-117-30D-S	Soil	4/22/2009 1:30:00 PM	4/22/2009	5/26/2009
105173-004A	1001-117-35-S	Soil	4/22/2009 1:40:00 PM	4/22/2009	5/26/2009
105173-004B	1001-117-35-S	Soil	4/22/2009 1:40:00 PM	4/22/2009	5/26/2009
105173-004C	1001-117-35-S	Soil	4/22/2009 1:40:00 PM	4/22/2009	5/26/2009
105173-004D	1001-117-35-S	Soil	4/22/2009 1:40:00 PM	4/22/2009	5/26/2009
105173-004E	1001-117-35-S	Soil	4/22/2009 1:40:00 PM	4/22/2009	5/26/2009
105173-004F	1001-117-35-S	Soil	4/22/2009 1:40:00 PM	4/22/2009	5/26/2009
105173-004G	1001-117-35-S	Soil	4/22/2009 1:40:00 PM	4/22/2009	5/26/2009
105173-005A	1001-117-40-S	Soil	4/22/2009 1:50:00 PM	4/22/2009	5/26/2009



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Page 1 of 3

CLIENT: Ninyo & Moore
Project: 207126015
Lab Order: 105173
Contract No:

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
105173-005B	1001-117-40-S	Soil	4/22/2009 1:50:00 PM	4/22/2009	5/26/2009
105173-005C	1001-117-40-S	Soil	4/22/2009 1:50:00 PM	4/22/2009	5/26/2009
105173-005D	1001-117-40-S	Soil	4/22/2009 1:50:00 PM	4/22/2009	5/26/2009
105173-005E	1001-117-40-S	Soil	4/22/2009 1:50:00 PM	4/22/2009	5/26/2009
105173-005F	1001-117-40-S	Soil	4/22/2009 1:50:00 PM	4/22/2009	5/26/2009
105173-005G	1001-117-40-S	Soil	4/22/2009 1:50:00 PM	4/22/2009	5/26/2009
105173-006A	1001-113-25-S	Soil	4/22/2009 2:45:00 PM	4/22/2009	5/26/2009
105173-006B	1001-113-25-S	Soil	4/22/2009 2:45:00 PM	4/22/2009	5/26/2009
105173-006C	1001-113-25-S	Soil	4/22/2009 2:45:00 PM	4/22/2009	5/26/2009
105173-006D	1001-113-25-S	Soil	4/22/2009 2:45:00 PM	4/22/2009	5/26/2009
105173-006E	1001-113-25-S	Soil	4/22/2009 2:45:00 PM	4/22/2009	5/26/2009
105173-006F	1001-113-25-S	Soil	4/22/2009 2:45:00 PM	4/22/2009	5/26/2009
105173-006G	1001-113-25-S	Soil	4/22/2009 2:45:00 PM	4/22/2009	5/26/2009
105173-007A	1001-113-30-S	Soil	4/22/2009 2:50:00 PM	4/22/2009	5/26/2009
105173-007B	1001-113-30-S	Soil	4/22/2009 2:50:00 PM	4/22/2009	5/26/2009
105173-007C	1001-113-30-S	Soil	4/22/2009 2:50:00 PM	4/22/2009	5/26/2009
105173-007D	1001-113-30-S	Soil	4/22/2009 2:50:00 PM	4/22/2009	5/26/2009
105173-007E	1001-113-30-S	Soil	4/22/2009 2:50:00 PM	4/22/2009	5/26/2009
105173-007F	1001-113-30-S	Soil	4/22/2009 2:50:00 PM	4/22/2009	5/26/2009
105173-007G	1001-113-30-S	Soil	4/22/2009 2:50:00 PM	4/22/2009	5/26/2009
105173-008A	1001-113-35-S	Soil	4/22/2009 2:55:00 PM	4/22/2009	5/26/2009
105173-008B	1001-113-35-S	Soil	4/22/2009 2:55:00 PM	4/22/2009	5/26/2009
105173-008C	1001-113-35-S	Soil	4/22/2009 2:55:00 PM	4/22/2009	5/26/2009
105173-008D	1001-113-35-S	Soil	4/22/2009 2:55:00 PM	4/22/2009	5/26/2009
105173-008E	1001-113-35-S	Soil	4/22/2009 2:55:00 PM	4/22/2009	5/26/2009
105173-008F	1001-113-35-S	Soil	4/22/2009 2:55:00 PM	4/22/2009	5/26/2009
105173-008G	1001-113-35-S	Soil	4/22/2009 2:55:00 PM	4/22/2009	5/26/2009
105173-009A	1001-113-40-S	Soil	4/22/2009 3:00:00 PM	4/22/2009	5/26/2009
105173-009B	1001-113-40-S	Soil	4/22/2009 3:00:00 PM	4/22/2009	5/26/2009
105173-009C	1001-113-40-S	Soil	4/22/2009 3:00:00 PM	4/22/2009	5/26/2009



CLIENT: Ninyo & Moore
Project: 207126015
Lab Order: 105173
Contract No:

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
105173-009D	1001-113-40-S	Soil	4/22/2009 3:00:00 PM	4/22/2009	5/26/2009
105173-009E	1001-113-40-S	Soil	4/22/2009 3:00:00 PM	4/22/2009	5/26/2009
105173-009F	1001-113-40-S	Soil	4/22/2009 3:00:00 PM	4/22/2009	5/26/2009
105173-009G	1001-113-40-S	Soil	4/22/2009 3:00:00 PM	4/22/2009	5/26/2009
105173-010A	QC EB-2	Water	4/22/2009 3:25:00 PM	4/22/2009	5/26/2009
105173-011A	TRIP Blank	Water	4/22/2009	4/22/2009	5/26/2009



CLIENT: Ninyo & Moore
Project: 207126015
Lab Order: 105173

CASE NARRATIVE

All volatile analyses were performed using 5035 preservation requirements. Any high level dilutions were performed on a preserved methanol sample unless otherwise noted.

Analytical Comments for EPA 8015B(M)

Samples 105173-002, 105173-003, 105173-005, 105173-007, 105173-009, 105173-009EDUP, 105210-006GDUP, 105210-006GMS and 105210-006GMSD were requested and analyzed past hold time.



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ANALYTICAL RESULTS

Print Date: 26-May-09

CLIENT: Ninyo & Moore
Lab Order: 105173
Project: 207126015
Lab ID: 105173-002D

Client Sample ID: 1001-117-30-S
Collection Date: 4/22/2009 1:30:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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HYDROCARBON CHAIN IDENTIFICATION

EPA 8015B

RunID: GC2_090521A	QC Batch: E09VS139	PrepDate: 4/22/2009	Analyst: KHN
T/R Hydrocarbons: C4-C12	ND 0.16	0.82	H mg/Kg 1 5/21/2009 02:49 PM
Surr: Bromofluorobenzene (FID)	89.2 0	59-145	H %REC 1 5/21/2009 02:49 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 26-May-09

CLIENT: Ninyo & Moore
Lab Order: 105173
Project: 207126015
Lab ID: 105173-002G

Client Sample ID: 1001-117-30-S
Collection Date: 4/22/2009 1:30:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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HYDROCARBON CHAIN IDENTIFICATION

LUFT

EPA 8015B(M)

RunID: GC16_090522B	QC Batch: 55474			PrepDate: 5/21/2009	Analyst: CBR
T/R Hydrocarbons: C13-C22	ND	10	10	H mg/Kg	1 5/22/2009 01:18 PM
T/R Hydrocarbons: C23-C32	ND	10	10	H mg/Kg	1 5/22/2009 01:18 PM
T/R Hydrocarbons:>C32	ND	10	10	H mg/Kg	1 5/22/2009 01:18 PM
Surr: p-Terphenyl	96.9	0	57-144	H %REC	1 5/22/2009 01:18 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 26-May-09

CLIENT: Ninyo & Moore
Lab Order: 105173
Project: 207126015
Lab ID: 105173-003D

Client Sample ID: 1001-117-30D-S
Collection Date: 4/22/2009 1:30:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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HYDROCARBON CHAIN IDENTIFICATION

EPA 8015B

RunID: GC2_090521A	QC Batch: E09VS139	PrepDate: 4/22/2009	Analyst: KHN
T/R Hydrocarbons: C4-C12	ND 0.16	0.82	H mg/Kg 1 5/21/2009 03:04 PM
Surr: Bromofluorobenzene (FID)	85.3 0	59-145	H %REC 1 5/21/2009 03:04 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 26-May-09

CLIENT: Ninyo & Moore
Lab Order: 105173
Project: 207126015
Lab ID: 105173-003G

Client Sample ID: 1001-117-30D-S
Collection Date: 4/22/2009 1:30:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
HYDROCARBON CHAIN IDENTIFICATION							
	LUFT		EPA 8015B(M)				
RunID: GC16_090522B	QC Batch: 55474		PrepDate: 5/21/2009		Analyst: CBR		
T/R Hydrocarbons: C13-C22	ND	10	10	H	mg/Kg	1	5/22/2009 01:27 PM
T/R Hydrocarbons: C23-C32	ND	10	10	H	mg/Kg	1	5/22/2009 01:27 PM
T/R Hydrocarbons:>C32	ND	10	10	H	mg/Kg	1	5/22/2009 01:27 PM
Surr: p-Terphenyl	89.0	0	57-144	H	%REC	1	5/22/2009 01:27 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 26-May-09

CLIENT: Ninyo & Moore
Lab Order: 105173
Project: 207126015
Lab ID: 105173-005D

Client Sample ID: 1001-117-40-S
Collection Date: 4/22/2009 1:50:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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HYDROCARBON CHAIN IDENTIFICATION

EPA 8015B

RunID: GC2_090521A	QC Batch: E09VS139	PrepDate: 4/22/2009	Analyst: KHN
T/R Hydrocarbons: C4-C12	ND 0.20	1.0	H mg/Kg 1 5/21/2009 03:20 PM
Surr: Bromofluorobenzene (FID)	101 0	59-145	H %REC 1 5/21/2009 03:20 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 26-May-09

CLIENT: Ninyo & Moore
Lab Order: 105173
Project: 207126015
Lab ID: 105173-005G

Client Sample ID: 1001-117-40-S
Collection Date: 4/22/2009 1:50:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
HYDROCARBON CHAIN IDENTIFICATION							
	LUFT		EPA 8015B(M)				
RunID: GC16_090522B	QC Batch: 55474		PrepDate: 5/21/2009		Analyst: CBR		
T/R Hydrocarbons: C13-C22	ND	10	10	H	mg/Kg	1	5/22/2009 01:36 PM
T/R Hydrocarbons: C23-C32	ND	10	10	H	mg/Kg	1	5/22/2009 01:36 PM
T/R Hydrocarbons:>C32	ND	10	10	H	mg/Kg	1	5/22/2009 01:36 PM
Surr: p-Terphenyl	93.5	0	57-144	H	%REC	1	5/22/2009 01:36 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 26-May-09

CLIENT: Ninyo & Moore
Lab Order: 105173
Project: 207126015
Lab ID: 105173-007D

Client Sample ID: 1001-113-30-S
Collection Date: 4/22/2009 2:50:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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HYDROCARBON CHAIN IDENTIFICATION

EPA 8015B

RunID: GC2_090521A	QC Batch: E09VS139	PrepDate: 4/22/2009	Analyst: KHN
T/R Hydrocarbons: C4-C12	ND 0.23 1.2	H mg/Kg 1	5/21/2009 03:36 PM
Surr: Bromofluorobenzene (FID)	116 0 59-145	H %REC 1	5/21/2009 03:36 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



Advanced Technology
Laboratories

3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562.989.4045 Fax: 562.989.4040

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ANALYTICAL RESULTS

Print Date: 26-May-09

CLIENT: Ninyo & Moore
Lab Order: 105173
Project: 207126015
Lab ID: 105173-007G

Client Sample ID: 1001-113-30-S
Collection Date: 4/22/2009 2:50:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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HYDROCARBON CHAIN IDENTIFICATION

LUFT

EPA 8015B(M)

RunID: GC16_090522B	QC Batch: 55474	PrepDate: 5/21/2009	Analyst: CBR				
T/R Hydrocarbons: C13-C22	ND	10	10	H	mg/Kg	1	5/22/2009 01:46 PM
T/R Hydrocarbons: C23-C32	ND	10	10	H	mg/Kg	1	5/22/2009 01:46 PM
T/R Hydrocarbons:>C32	ND	10	10	H	mg/Kg	1	5/22/2009 01:46 PM
Surr: p-Terphenyl	93.0	0	57-144	H	%REC	1	5/22/2009 01:46 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 26-May-09

CLIENT: Ninyo & Moore
Lab Order: 105173
Project: 207126015
Lab ID: 105173-009D

Client Sample ID: 1001-113-40-S
Collection Date: 4/22/2009 3:00:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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HYDROCARBON CHAIN IDENTIFICATION

EPA 8015B

RunID: GC2_090521A	QC Batch: E09VS139	PrepDate: 4/22/2009	Analyst: KHN
T/R Hydrocarbons: C4-C12	ND 0.22 1.1	H mg/Kg	1 5/21/2009 03:51 PM
Surr: Bromofluorobenzene (FID)	108 0 59-145	H %REC	1 5/21/2009 03:51 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 26-May-09

CLIENT: Ninyo & Moore
Lab Order: 105173
Project: 207126015
Lab ID: 105173-009G

Client Sample ID: 1001-113-40-S
Collection Date: 4/22/2009 3:00:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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HYDROCARBON CHAIN IDENTIFICATION

LUFT

EPA 8015B(M)

RunID: GC16_090522B	QC Batch: 55474			PrepDate: 5/21/2009	Analyst: CBR
T/R Hydrocarbons: C13-C22	ND	10	10	H mg/Kg	1 5/22/2009 01:55 PM
T/R Hydrocarbons: C23-C32	ND	10	10	H mg/Kg	1 5/22/2009 01:55 PM
T/R Hydrocarbons:>C32	ND	10	10	H mg/Kg	1 5/22/2009 01:55 PM
Surr: p-Terphenyl	95.4	0	57-144	H %REC	1 5/22/2009 01:55 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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CLIENT: Ninyo & Moore

Work Order: 105173

Project: 207126015

ANALYTICAL QC SUMMARY REPORT

TestCode: HC_S_SEMI

Sample ID: MB-55474	SampType: MBLK	TestCode: HC_S_SEMI	Units: mg/Kg	Prep Date: 5/21/2009	RunNo: 109275						
Client ID: PBS	Batch ID: 55474	TestNo: EPA 8015B(M LUFT	Analysis Date: 5/22/2009	SeqNo: 1716239							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C13-C22	ND	10									
T/R Hydrocarbons: C23-C32	ND	10									
T/R Hydrocarbons:>C32	ND	10									
Surr: p-Terphenyl	76.080		80.00		95.1	57	144				

Sample ID: 105210-006GDUP	SampType: DUP	TestCode: HC_S_SEMI	Units: mg/Kg	Prep Date: 5/21/2009	RunNo: 109275						
Client ID: ZZZZZZ	Batch ID: 55474	TestNo: EPA 8015B(M LUFT	Analysis Date: 5/22/2009	SeqNo: 1716241							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C13-C22	ND	10						0	0	20	H
T/R Hydrocarbons: C23-C32	ND	10						0	0	20	H
T/R Hydrocarbons:>C32	ND	10						0	0	20	H
Surr: p-Terphenyl	70.760		80.00		88.4	57	144		0	0	H

Qualifiers:

B Analyte detected in the associated Method Blank

ND Not Detected at the Reporting Limit

DO Surrogate Diluted Out

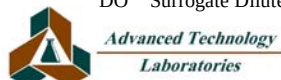
E Value above quantitation range

R RPD outside accepted recovery limits

Calculations are based on raw values

H Holding times for preparation or analysis exceeded

S Spike/Surrogate outside of limits due to matrix interference



CLIENT: Ninyo & Moore
Work Order: 105173
Project: 207126015

ANALYTICAL QC SUMMARY REPORT

TestCode: HC_S_VOAC4C12P

Sample ID: E090521LCS1	SampType: LCS	TestCode: HC_S_VOAC	Units: mg/Kg	Prep Date:	RunNo: 109244						
Client ID: LCSS	Batch ID: E09VS139	TestNo: EPA 8015B		Analysis Date: 5/21/2009	SeqNo: 1715696						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

T/R Hydrocarbons: C4-C12	4.228	1.0	5.000	0	84.6	73	120				
Surr: Bromofluorobenzene (FID)	94.154		100.0		94.2	59	145				

Sample ID: E090521MB1MS	SampType: MS	TestCode: HC_S_VOAC	Units: mg/Kg	Prep Date:	RunNo: 109244						
Client ID: ZZZZZZ	Batch ID: E09VS139	TestNo: EPA 8015B		Analysis Date: 5/21/2009	SeqNo: 1715697						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

T/R Hydrocarbons: C4-C12	4.261	1.0	5.000	0	85.2	39	135				
Surr: Bromofluorobenzene (FID)	96.182		100.0		96.2	59	145				

Sample ID: E090521MB1MSD	SampType: MSD	TestCode: HC_S_VOAC	Units: mg/Kg	Prep Date:				RunNo: 109244			
Client ID: ZZZZZZ	Batch ID: E09VS139	TestNo: EPA 8015B	Analysis Date: 5/21/2009				SeqNo: 1715698				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

T/R Hydrocarbons: C4-C12	4.185	1.0	5.000	0	83.7	39	135	4.261	1.80	20	
Surr: Bromofluorobenzene (FID)	99.607		100.0		99.6	59	145		0	0	

Sample ID: E090521MB1	SampType: MBLK	TestCode: HC_S_VOAC	Units: mg/Kg	Prep Date:				RunNo: 109244			
Client ID: PBS	Batch ID: E09VS139	TestNo: EPA 8015B	Analysis Date: 5/21/2009				SeqNo: 1715699				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

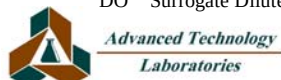
T/R Hydrocarbons: C4-C12	ND	1.0									
Surr: Bromofluorobenzene (FID)	101.430		100.0		101	59	145				

Sample ID: 105173-009EDUP	SampType: DUP	TestCode: HC_S_VOAC	Units: mg/Kg	Prep Date: 4/22/2009	RunNo: 109244						
Client ID: 1001-113-40-S	Batch ID: E09VS139	TestNo: EPA 8015B		Analysis Date: 5/21/2009	SeqNo: 1715705						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

T/R Hydrocarbons: C4-C12	ND	0.87						0	0	20	H
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Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



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CLIENT: Ninyo & Moore
Work Order: 105173
Project: 207126015

ANALYTICAL QC SUMMARY REPORT

TestCode: HC_S_VOAC4C12P

Sample ID: 105173-009EDUP	SampType: DUP	TestCode: HC_S_VOAC	Units: mg/Kg	Prep Date: 4/22/2009	RunNo: 109244						
Client ID: 1001-113-40-S	Batch ID: E09VS139	TestNo: EPA 8015B		Analysis Date: 5/21/2009	SeqNo: 1715705						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Bromofluorobenzene (FID)	92.713		86.51		107	59	145		0	0	H

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



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CLIENT: Ninyo & Moore

Work Order: 105173

Project: 207126015

ANALYTICAL QC SUMMARY REPORT

BatchID: 55474

Sample ID: LCS-55474	SampType: LCS	TestCode: 8015_S_DM	Units: mg/Kg	Prep Date: 5/21/2009	RunNo: 109275						
Client ID: LCSS	Batch ID: 55474	TestNo: EPA 8015B(M LUFT	Analysis Date: 5/22/2009	SeqNo: 1716215							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	1023.510	10	1000	0	102	81	128				
Surr: p-Terphenyl	81.380		80.00		102	57	144				

Sample ID: 105210-006GMS	SampType: MS	TestCode: 8015_S_DM	Units: mg/Kg	Prep Date: 5/21/2009	RunNo: 109275						
Client ID: ZZZZZZ	Batch ID: 55474	TestNo: EPA 8015B(M LUFT	Analysis Date: 5/22/2009	SeqNo: 1716217							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	1031.380	10	1000	0	103	58	145				H
Surr: p-Terphenyl	92.480		80.00		116	57	144				H

Sample ID: 105210-006GMSD	SampType: MSD	TestCode: 8015_S_DM	Units: mg/Kg	Prep Date: 5/21/2009	RunNo: 109275						
Client ID: ZZZZZZ	Batch ID: 55474	TestNo: EPA 8015B(M LUFT	Analysis Date: 5/22/2009	SeqNo: 1716218							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	940.480	10	1000	0	94.0	58	145	1031	9.22	20	H
Surr: p-Terphenyl	90.480		80.00		113	57	144		0	0	H

Qualifiers:

B Analyte detected in the associated Method Blank

ND Not Detected at the Reporting Limit

DO Surrogate Diluted Out

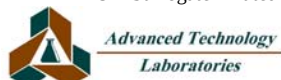
E Value above quantitation range

R RPD outside accepted recovery limits

Calculations are based on raw values

H Holding times for preparation or analysis exceeded

S Spike/Surrogate outside of limits due to matrix interference



May 26, 2009



David Shaler
Ninyo & Moore
475 Goddard Suite 200
Irvine, CA 92618
TEL: (949) 753-7070
FAX: (949) 753-7071

ELAP No.: 1838
NELAP No.: 02107CA
NEVADA.: CA-401
CSDLAC No.: 10196

Workorder No.: 105210

RE: 207126015

Attention: David Shaler

Enclosed are the results for sample(s) received on April 23, 2009 by Advanced Technology Laboratories . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

This is an addendum report. Please incorporate with documentation previously submitted.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Eddie F. Rodriguez
Laboratory Director

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Advanced Technology Laboratories

Date: 26-May-09

CLIENT: Ninyo & Moore

Project: 207126015

Lab Order: 105210

Contract No:

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
105210-001A	1001-115-2-S	Soil	4/23/2009 7:55:00 AM	4/23/2009	5/26/2009
105210-001B	1001-115-2-S	Soil	4/23/2009 7:55:00 AM	4/23/2009	5/26/2009
105210-001C	1001-115-2-S	Soil	4/23/2009 7:55:00 AM	4/23/2009	5/26/2009
105210-001D	1001-115-2-S	Soil	4/23/2009 7:55:00 AM	4/23/2009	5/26/2009
105210-001E	1001-115-2-S	Soil	4/23/2009 7:55:00 AM	4/23/2009	5/26/2009
105210-001F	1001-115-2-S	Soil	4/23/2009 7:55:00 AM	4/23/2009	5/26/2009
105210-001G	1001-115-2-S	Soil	4/23/2009 7:55:00 AM	4/23/2009	5/26/2009
105210-002A	1001-115-5-S	Soil	4/23/2009 8:00:00 AM	4/23/2009	5/26/2009
105210-002B	1001-115-5-S	Soil	4/23/2009 8:00:00 AM	4/23/2009	5/26/2009
105210-002C	1001-115-5-S	Soil	4/23/2009 8:00:00 AM	4/23/2009	5/26/2009
105210-002D	1001-115-5-S	Soil	4/23/2009 8:00:00 AM	4/23/2009	5/26/2009
105210-002E	1001-115-5-S	Soil	4/23/2009 8:00:00 AM	4/23/2009	5/26/2009
105210-002F	1001-115-5-S	Soil	4/23/2009 8:00:00 AM	4/23/2009	5/26/2009
105210-002G	1001-115-5-S	Soil	4/23/2009 8:00:00 AM	4/23/2009	5/26/2009
105210-003A	1001-115-10-S	Soil	4/23/2009 8:05:00 AM	4/23/2009	5/26/2009
105210-003B	1001-115-10-S	Soil	4/23/2009 8:05:00 AM	4/23/2009	5/26/2009
105210-003C	1001-115-10-S	Soil	4/23/2009 8:05:00 AM	4/23/2009	5/26/2009
105210-003D	1001-115-10-S	Soil	4/23/2009 8:05:00 AM	4/23/2009	5/26/2009
105210-003E	1001-115-10-S	Soil	4/23/2009 8:05:00 AM	4/23/2009	5/26/2009
105210-003F	1001-115-10-S	Soil	4/23/2009 8:05:00 AM	4/23/2009	5/26/2009
105210-003G	1001-115-10-S	Soil	4/23/2009 8:05:00 AM	4/23/2009	5/26/2009
105210-004A	1001-115-20-S	Soil	4/23/2009 8:10:00 AM	4/23/2009	5/26/2009
105210-004B	1001-115-20-S	Soil	4/23/2009 8:10:00 AM	4/23/2009	5/26/2009
105210-004C	1001-115-20-S	Soil	4/23/2009 8:10:00 AM	4/23/2009	5/26/2009
105210-004D	1001-115-20-S	Soil	4/23/2009 8:10:00 AM	4/23/2009	5/26/2009
105210-004E	1001-115-20-S	Soil	4/23/2009 8:10:00 AM	4/23/2009	5/26/2009
105210-004F	1001-115-20-S	Soil	4/23/2009 8:10:00 AM	4/23/2009	5/26/2009
105210-004G	1001-115-20-S	Soil	4/23/2009 8:10:00 AM	4/23/2009	5/26/2009
105210-005A	1001-115-25-S	Soil	4/23/2009 8:15:00 AM	4/23/2009	5/26/2009



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Page 1 of 10

CLIENT: Ninyo & Moore
Project: 207126015
Lab Order: 105210
Contract No:

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
105210-005B	1001-115-25-S	Soil	4/23/2009 8:15:00 AM	4/23/2009	5/26/2009
105210-005C	1001-115-25-S	Soil	4/23/2009 8:15:00 AM	4/23/2009	5/26/2009
105210-005D	1001-115-25-S	Soil	4/23/2009 8:15:00 AM	4/23/2009	5/26/2009
105210-005E	1001-115-25-S	Soil	4/23/2009 8:15:00 AM	4/23/2009	5/26/2009
105210-005F	1001-115-25-S	Soil	4/23/2009 8:15:00 AM	4/23/2009	5/26/2009
105210-005G	1001-115-25-S	Soil	4/23/2009 8:15:00 AM	4/23/2009	5/26/2009
105210-006A	1001-115-30-S	Soil	4/23/2009 8:20:00 AM	4/23/2009	5/26/2009
105210-006B	1001-115-30-S	Soil	4/23/2009 8:20:00 AM	4/23/2009	5/26/2009
105210-006C	1001-115-30-S	Soil	4/23/2009 8:20:00 AM	4/23/2009	5/26/2009
105210-006D	1001-115-30-S	Soil	4/23/2009 8:20:00 AM	4/23/2009	5/26/2009
105210-006E	1001-115-30-S	Soil	4/23/2009 8:20:00 AM	4/23/2009	5/26/2009
105210-006F	1001-115-30-S	Soil	4/23/2009 8:20:00 AM	4/23/2009	5/26/2009
105210-006G	1001-115-30-S	Soil	4/23/2009 8:20:00 AM	4/23/2009	5/26/2009
105210-007A	1001-115-35-S	Soil	4/23/2009 8:25:00 AM	4/23/2009	5/26/2009
105210-007B	1001-115-35-S	Soil	4/23/2009 8:25:00 AM	4/23/2009	5/26/2009
105210-007C	1001-115-35-S	Soil	4/23/2009 8:25:00 AM	4/23/2009	5/26/2009
105210-007D	1001-115-35-S	Soil	4/23/2009 8:25:00 AM	4/23/2009	5/26/2009
105210-007E	1001-115-35-S	Soil	4/23/2009 8:25:00 AM	4/23/2009	5/26/2009
105210-007F	1001-115-35-S	Soil	4/23/2009 8:25:00 AM	4/23/2009	5/26/2009
105210-007G	1001-115-35-S	Soil	4/23/2009 8:25:00 AM	4/23/2009	5/26/2009
105210-008A	1001-115-40-S	Soil	4/23/2009 8:30:00 AM	4/23/2009	5/26/2009
105210-008B	1001-115-40-S	Soil	4/23/2009 8:30:00 AM	4/23/2009	5/26/2009
105210-008C	1001-115-40-S	Soil	4/23/2009 8:30:00 AM	4/23/2009	5/26/2009
105210-008D	1001-115-40-S	Soil	4/23/2009 8:30:00 AM	4/23/2009	5/26/2009
105210-008E	1001-115-40-S	Soil	4/23/2009 8:30:00 AM	4/23/2009	5/26/2009
105210-008F	1001-115-40-S	Soil	4/23/2009 8:30:00 AM	4/23/2009	5/26/2009
105210-008G	1001-115-40-S	Soil	4/23/2009 8:30:00 AM	4/23/2009	5/26/2009
105210-009A	1001-115-40D-S	Soil	4/23/2009 8:30:00 AM	4/23/2009	5/26/2009
105210-009B	1001-115-40D-S	Soil	4/23/2009 8:30:00 AM	4/23/2009	5/26/2009
105210-009C	1001-115-40D-S	Soil	4/23/2009 8:30:00 AM	4/23/2009	5/26/2009



CLIENT: Ninyo & Moore
Project: 207126015
Lab Order: 105210
Contract No:

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
105210-009D	1001-115-40D-S	Soil	4/23/2009 8:30:00 AM	4/23/2009	5/26/2009
105210-009E	1001-115-40D-S	Soil	4/23/2009 8:30:00 AM	4/23/2009	5/26/2009
105210-009F	1001-115-40D-S	Soil	4/23/2009 8:30:00 AM	4/23/2009	5/26/2009
105210-009G	1001-115-40D-S	Soil	4/23/2009 8:30:00 AM	4/23/2009	5/26/2009
105210-010A	1001-114-25-S	Soil	4/23/2009 9:15:00 AM	4/23/2009	5/26/2009
105210-010B	1001-114-25-S	Soil	4/23/2009 9:15:00 AM	4/23/2009	5/26/2009
105210-010C	1001-114-25-S	Soil	4/23/2009 9:15:00 AM	4/23/2009	5/26/2009
105210-010D	1001-114-25-S	Soil	4/23/2009 9:15:00 AM	4/23/2009	5/26/2009
105210-010E	1001-114-25-S	Soil	4/23/2009 9:15:00 AM	4/23/2009	5/26/2009
105210-010F	1001-114-25-S	Soil	4/23/2009 9:15:00 AM	4/23/2009	5/26/2009
105210-010G	1001-114-25-S	Soil	4/23/2009 9:15:00 AM	4/23/2009	5/26/2009
105210-011A	1001-114-30-S	Soil	4/23/2009 9:20:00 AM	4/23/2009	5/26/2009
105210-011B	1001-114-30-S	Soil	4/23/2009 9:20:00 AM	4/23/2009	5/26/2009
105210-011C	1001-114-30-S	Soil	4/23/2009 9:20:00 AM	4/23/2009	5/26/2009
105210-011D	1001-114-30-S	Soil	4/23/2009 9:20:00 AM	4/23/2009	5/26/2009
105210-011E	1001-114-30-S	Soil	4/23/2009 9:20:00 AM	4/23/2009	5/26/2009
105210-011F	1001-114-30-S	Soil	4/23/2009 9:20:00 AM	4/23/2009	5/26/2009
105210-011G	1001-114-30-S	Soil	4/23/2009 9:20:00 AM	4/23/2009	5/26/2009
105210-012A	1001-114-35-S	Soil	4/23/2009 9:25:00 AM	4/23/2009	5/26/2009
105210-012B	1001-114-35-S	Soil	4/23/2009 9:25:00 AM	4/23/2009	5/26/2009
105210-012C	1001-114-35-S	Soil	4/23/2009 9:25:00 AM	4/23/2009	5/26/2009
105210-012D	1001-114-35-S	Soil	4/23/2009 9:25:00 AM	4/23/2009	5/26/2009
105210-012E	1001-114-35-S	Soil	4/23/2009 9:25:00 AM	4/23/2009	5/26/2009
105210-012F	1001-114-35-S	Soil	4/23/2009 9:25:00 AM	4/23/2009	5/26/2009
105210-012G	1001-114-35-S	Soil	4/23/2009 9:25:00 AM	4/23/2009	5/26/2009
105210-013A	1001-114-35D-S	Soil	4/23/2009 9:25:00 AM	4/23/2009	5/26/2009
105210-013B	1001-114-35D-S	Soil	4/23/2009 9:25:00 AM	4/23/2009	5/26/2009
105210-013C	1001-114-35D-S	Soil	4/23/2009 9:25:00 AM	4/23/2009	5/26/2009
105210-013D	1001-114-35D-S	Soil	4/23/2009 9:25:00 AM	4/23/2009	5/26/2009
105210-013E	1001-114-35D-S	Soil	4/23/2009 9:25:00 AM	4/23/2009	5/26/2009



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105210-013F	1001-114-35D-S	Soil	4/23/2009 9:25:00 AM	4/23/2009	5/26/2009
105210-013G	1001-114-35D-S	Soil	4/23/2009 9:25:00 AM	4/23/2009	5/26/2009
105210-014A	1001-114-40-S	Soil	4/23/2009 9:35:00 AM	4/23/2009	5/26/2009
105210-014B	1001-114-40-S	Soil	4/23/2009 9:35:00 AM	4/23/2009	5/26/2009
105210-014C	1001-114-40-S	Soil	4/23/2009 9:35:00 AM	4/23/2009	5/26/2009
105210-014D	1001-114-40-S	Soil	4/23/2009 9:35:00 AM	4/23/2009	5/26/2009
105210-014E	1001-114-40-S	Soil	4/23/2009 9:35:00 AM	4/23/2009	5/26/2009
105210-014F	1001-114-40-S	Soil	4/23/2009 9:35:00 AM	4/23/2009	5/26/2009
105210-014G	1001-114-40-S	Soil	4/23/2009 9:35:00 AM	4/23/2009	5/26/2009
105210-015A	1001-116-5-S	Soil	4/23/2009 10:20:00 AM	4/23/2009	5/26/2009
105210-015B	1001-116-5-S	Soil	4/23/2009 10:20:00 AM	4/23/2009	5/26/2009
105210-015C	1001-116-5-S	Soil	4/23/2009 10:20:00 AM	4/23/2009	5/26/2009
105210-015D	1001-116-5-S	Soil	4/23/2009 10:20:00 AM	4/23/2009	5/26/2009
105210-015E	1001-116-5-S	Soil	4/23/2009 10:20:00 AM	4/23/2009	5/26/2009
105210-015F	1001-116-5-S	Soil	4/23/2009 10:20:00 AM	4/23/2009	5/26/2009
105210-015G	1001-116-5-S	Soil	4/23/2009 10:20:00 AM	4/23/2009	5/26/2009
105210-016A	1001-116-10-S	Soil	4/23/2009 10:25:00 AM	4/23/2009	5/26/2009
105210-016B	1001-116-10-S	Soil	4/23/2009 10:25:00 AM	4/23/2009	5/26/2009
105210-016C	1001-116-10-S	Soil	4/23/2009 10:25:00 AM	4/23/2009	5/26/2009
105210-016D	1001-116-10-S	Soil	4/23/2009 10:25:00 AM	4/23/2009	5/26/2009
105210-016E	1001-116-10-S	Soil	4/23/2009 10:25:00 AM	4/23/2009	5/26/2009
105210-016F	1001-116-10-S	Soil	4/23/2009 10:25:00 AM	4/23/2009	5/26/2009
105210-016G	1001-116-10-S	Soil	4/23/2009 10:25:00 AM	4/23/2009	5/26/2009
105210-017A	1001-116-20-S	Soil	4/23/2009 10:30:00 AM	4/23/2009	5/26/2009
105210-017B	1001-116-20-S	Soil	4/23/2009 10:30:00 AM	4/23/2009	5/26/2009
105210-017C	1001-116-20-S	Soil	4/23/2009 10:30:00 AM	4/23/2009	5/26/2009
105210-017D	1001-116-20-S	Soil	4/23/2009 10:30:00 AM	4/23/2009	5/26/2009
105210-017E	1001-116-20-S	Soil	4/23/2009 10:30:00 AM	4/23/2009	5/26/2009
105210-017F	1001-116-20-S	Soil	4/23/2009 10:30:00 AM	4/23/2009	5/26/2009
105210-017G	1001-116-20-S	Soil	4/23/2009 10:30:00 AM	4/23/2009	5/26/2009



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105210-018A	1001-116-25-S	Soil	4/23/2009 10:35:00 AM	4/23/2009	5/26/2009
105210-018B	1001-116-25-S	Soil	4/23/2009 10:35:00 AM	4/23/2009	5/26/2009
105210-018C	1001-116-25-S	Soil	4/23/2009 10:35:00 AM	4/23/2009	5/26/2009
105210-018D	1001-116-25-S	Soil	4/23/2009 10:35:00 AM	4/23/2009	5/26/2009
105210-018E	1001-116-25-S	Soil	4/23/2009 10:35:00 AM	4/23/2009	5/26/2009
105210-018F	1001-116-25-S	Soil	4/23/2009 10:35:00 AM	4/23/2009	5/26/2009
105210-018G	1001-116-25-S	Soil	4/23/2009 10:35:00 AM	4/23/2009	5/26/2009
105210-019A	1001-116-30-S	Soil	4/23/2009 10:38:00 AM	4/23/2009	5/26/2009
105210-019B	1001-116-30-S	Soil	4/23/2009 10:38:00 AM	4/23/2009	5/26/2009
105210-019C	1001-116-30-S	Soil	4/23/2009 10:38:00 AM	4/23/2009	5/26/2009
105210-019D	1001-116-30-S	Soil	4/23/2009 10:38:00 AM	4/23/2009	5/26/2009
105210-019E	1001-116-30-S	Soil	4/23/2009 10:38:00 AM	4/23/2009	5/26/2009
105210-019F	1001-116-30-S	Soil	4/23/2009 10:38:00 AM	4/23/2009	5/26/2009
105210-019G	1001-116-30-S	Soil	4/23/2009 10:38:00 AM	4/23/2009	5/26/2009
105210-020A	1001-116-35-S	Soil	4/23/2009 10:45:00 AM	4/23/2009	5/26/2009
105210-020B	1001-116-35-S	Soil	4/23/2009 10:45:00 AM	4/23/2009	5/26/2009
105210-020C	1001-116-35-S	Soil	4/23/2009 10:45:00 AM	4/23/2009	5/26/2009
105210-020D	1001-116-35-S	Soil	4/23/2009 10:45:00 AM	4/23/2009	5/26/2009
105210-020E	1001-116-35-S	Soil	4/23/2009 10:45:00 AM	4/23/2009	5/26/2009
105210-020F	1001-116-35-S	Soil	4/23/2009 10:45:00 AM	4/23/2009	5/26/2009
105210-020G	1001-116-35-S	Soil	4/23/2009 10:45:00 AM	4/23/2009	5/26/2009
105210-021A	1001-116-40-S	Soil	4/23/2009 10:50:00 AM	4/23/2009	5/26/2009
105210-021B	1001-116-40-S	Soil	4/23/2009 10:50:00 AM	4/23/2009	5/26/2009
105210-021C	1001-116-40-S	Soil	4/23/2009 10:50:00 AM	4/23/2009	5/26/2009
105210-021D	1001-116-40-S	Soil	4/23/2009 10:50:00 AM	4/23/2009	5/26/2009
105210-021E	1001-116-40-S	Soil	4/23/2009 10:50:00 AM	4/23/2009	5/26/2009
105210-021F	1001-116-40-S	Soil	4/23/2009 10:50:00 AM	4/23/2009	5/26/2009
105210-021G	1001-116-40-S	Soil	4/23/2009 10:50:00 AM	4/23/2009	5/26/2009
105210-022A	1001-118-2-S	Soil	4/23/2009 1:00:00 PM	4/23/2009	5/26/2009
105210-022B	1001-118-2-S	Soil	4/23/2009 1:00:00 PM	4/23/2009	5/26/2009



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105210-022C	1001-118-2-S	Soil	4/23/2009 1:00:00 PM	4/23/2009	5/26/2009
105210-022D	1001-118-2-S	Soil	4/23/2009 1:00:00 PM	4/23/2009	5/26/2009
105210-022E	1001-118-2-S	Soil	4/23/2009 1:00:00 PM	4/23/2009	5/26/2009
105210-022F	1001-118-2-S	Soil	4/23/2009 1:00:00 PM	4/23/2009	5/26/2009
105210-022G	1001-118-2-S	Soil	4/23/2009 1:00:00 PM	4/23/2009	5/26/2009
105210-023A	1001-118-5-S	Soil	4/23/2009 1:05:00 PM	4/23/2009	5/26/2009
105210-023B	1001-118-5-S	Soil	4/23/2009 1:05:00 PM	4/23/2009	5/26/2009
105210-023C	1001-118-5-S	Soil	4/23/2009 1:05:00 PM	4/23/2009	5/26/2009
105210-023D	1001-118-5-S	Soil	4/23/2009 1:05:00 PM	4/23/2009	5/26/2009
105210-023E	1001-118-5-S	Soil	4/23/2009 1:05:00 PM	4/23/2009	5/26/2009
105210-023F	1001-118-5-S	Soil	4/23/2009 1:05:00 PM	4/23/2009	5/26/2009
105210-023G	1001-118-5-S	Soil	4/23/2009 1:05:00 PM	4/23/2009	5/26/2009
105210-024A	1001-118-10-S	Soil	4/23/2009 1:10:00 PM	4/23/2009	5/26/2009
105210-024B	1001-118-10-S	Soil	4/23/2009 1:10:00 PM	4/23/2009	5/26/2009
105210-024C	1001-118-10-S	Soil	4/23/2009 1:10:00 PM	4/23/2009	5/26/2009
105210-024D	1001-118-10-S	Soil	4/23/2009 1:10:00 PM	4/23/2009	5/26/2009
105210-024E	1001-118-10-S	Soil	4/23/2009 1:10:00 PM	4/23/2009	5/26/2009
105210-024F	1001-118-10-S	Soil	4/23/2009 1:10:00 PM	4/23/2009	5/26/2009
105210-024G	1001-118-10-S	Soil	4/23/2009 1:10:00 PM	4/23/2009	5/26/2009
105210-025A	1001-118-20-S	Soil	4/23/2009 1:15:00 PM	4/23/2009	5/26/2009
105210-025B	1001-118-20-S	Soil	4/23/2009 1:15:00 PM	4/23/2009	5/26/2009
105210-025C	1001-118-20-S	Soil	4/23/2009 1:15:00 PM	4/23/2009	5/26/2009
105210-025D	1001-118-20-S	Soil	4/23/2009 1:15:00 PM	4/23/2009	5/26/2009
105210-025E	1001-118-20-S	Soil	4/23/2009 1:15:00 PM	4/23/2009	5/26/2009
105210-025F	1001-118-20-S	Soil	4/23/2009 1:15:00 PM	4/23/2009	5/26/2009
105210-025G	1001-118-20-S	Soil	4/23/2009 1:15:00 PM	4/23/2009	5/26/2009
105210-026A	1001-118-25-S	Soil	4/23/2009 1:20:00 PM	4/23/2009	5/26/2009
105210-026B	1001-118-25-S	Soil	4/23/2009 1:20:00 PM	4/23/2009	5/26/2009
105210-026C	1001-118-25-S	Soil	4/23/2009 1:20:00 PM	4/23/2009	5/26/2009
105210-026D	1001-118-25-S	Soil	4/23/2009 1:20:00 PM	4/23/2009	5/26/2009



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105210-026E	1001-118-25-S	Soil	4/23/2009 1:20:00 PM	4/23/2009	5/26/2009
105210-026F	1001-118-25-S	Soil	4/23/2009 1:20:00 PM	4/23/2009	5/26/2009
105210-026G	1001-118-25-S	Soil	4/23/2009 1:20:00 PM	4/23/2009	5/26/2009
105210-027A	1001-118-30-S	Soil	4/23/2009 1:25:00 PM	4/23/2009	5/26/2009
105210-027B	1001-118-30-S	Soil	4/23/2009 1:25:00 PM	4/23/2009	5/26/2009
105210-027C	1001-118-30-S	Soil	4/23/2009 1:25:00 PM	4/23/2009	5/26/2009
105210-027D	1001-118-30-S	Soil	4/23/2009 1:25:00 PM	4/23/2009	5/26/2009
105210-027E	1001-118-30-S	Soil	4/23/2009 1:25:00 PM	4/23/2009	5/26/2009
105210-027F	1001-118-30-S	Soil	4/23/2009 1:25:00 PM	4/23/2009	5/26/2009
105210-027G	1001-118-30-S	Soil	4/23/2009 1:25:00 PM	4/23/2009	5/26/2009
105210-028A	1001-118-35-S	Soil	4/23/2009 1:30:00 PM	4/23/2009	5/26/2009
105210-028B	1001-118-35-S	Soil	4/23/2009 1:30:00 PM	4/23/2009	5/26/2009
105210-028C	1001-118-35-S	Soil	4/23/2009 1:30:00 PM	4/23/2009	5/26/2009
105210-028D	1001-118-35-S	Soil	4/23/2009 1:30:00 PM	4/23/2009	5/26/2009
105210-028E	1001-118-35-S	Soil	4/23/2009 1:30:00 PM	4/23/2009	5/26/2009
105210-028F	1001-118-35-S	Soil	4/23/2009 1:30:00 PM	4/23/2009	5/26/2009
105210-028G	1001-118-35-S	Soil	4/23/2009 1:30:00 PM	4/23/2009	5/26/2009
105210-029A	1001-118-40-S	Soil	4/23/2009 1:40:00 PM	4/23/2009	5/26/2009
105210-029B	1001-118-40-S	Soil	4/23/2009 1:40:00 PM	4/23/2009	5/26/2009
105210-029C	1001-118-40-S	Soil	4/23/2009 1:40:00 PM	4/23/2009	5/26/2009
105210-029D	1001-118-40-S	Soil	4/23/2009 1:40:00 PM	4/23/2009	5/26/2009
105210-029E	1001-118-40-S	Soil	4/23/2009 1:40:00 PM	4/23/2009	5/26/2009
105210-029F	1001-118-40-S	Soil	4/23/2009 1:40:00 PM	4/23/2009	5/26/2009
105210-029G	1001-118-40-S	Soil	4/23/2009 1:40:00 PM	4/23/2009	5/26/2009
105210-030A	1001-118-40D-S	Soil	4/23/2009 1:40:00 PM	4/23/2009	5/26/2009
105210-030B	1001-118-40D-S	Soil	4/23/2009 1:40:00 PM	4/23/2009	5/26/2009
105210-030C	1001-118-40D-S	Soil	4/23/2009 1:40:00 PM	4/23/2009	5/26/2009
105210-030D	1001-118-40D-S	Soil	4/23/2009 1:40:00 PM	4/23/2009	5/26/2009
105210-030E	1001-118-40D-S	Soil	4/23/2009 1:40:00 PM	4/23/2009	5/26/2009
105210-030F	1001-118-40D-S	Soil	4/23/2009 1:40:00 PM	4/23/2009	5/26/2009



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105210-031A	1001-119-2-S	Soil	4/23/2009 2:55:00 PM	4/23/2009	5/26/2009
105210-031B	1001-119-2-S	Soil	4/23/2009 2:55:00 PM	4/23/2009	5/26/2009
105210-031C	1001-119-2-S	Soil	4/23/2009 2:55:00 PM	4/23/2009	5/26/2009
105210-031D	1001-119-2-S	Soil	4/23/2009 2:55:00 PM	4/23/2009	5/26/2009
105210-032A	1001-119-5-S	Soil	4/23/2009 2:58:00 PM	4/23/2009	5/26/2009
105210-032B	1001-119-5-S	Soil	4/23/2009 2:58:00 PM	4/23/2009	5/26/2009
105210-032C	1001-119-5-S	Soil	4/23/2009 2:58:00 PM	4/23/2009	5/26/2009
105210-032D	1001-119-5-S	Soil	4/23/2009 2:58:00 PM	4/23/2009	5/26/2009
105210-033A	1001-119-10-S	Soil	4/23/2009 3:00:00 PM	4/23/2009	5/26/2009
105210-033B	1001-119-10-S	Soil	4/23/2009 3:00:00 PM	4/23/2009	5/26/2009
105210-033C	1001-119-10-S	Soil	4/23/2009 3:00:00 PM	4/23/2009	5/26/2009
105210-033D	1001-119-10-S	Soil	4/23/2009 3:00:00 PM	4/23/2009	5/26/2009
105210-034A	1001-119-20-S	Soil	4/23/2009 3:03:00 PM	4/23/2009	5/26/2009
105210-034B	1001-119-20-S	Soil	4/23/2009 3:03:00 PM	4/23/2009	5/26/2009
105210-034C	1001-119-20-S	Soil	4/23/2009 3:03:00 PM	4/23/2009	5/26/2009
105210-034D	1001-119-20-S	Soil	4/23/2009 3:03:00 PM	4/23/2009	5/26/2009
105210-035A	1001-119-25-S	Soil	4/23/2009 3:05:00 PM	4/23/2009	5/26/2009
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105210-035C	1001-119-25-S	Soil	4/23/2009 3:05:00 PM	4/23/2009	5/26/2009
105210-035D	1001-119-25-S	Soil	4/23/2009 3:05:00 PM	4/23/2009	5/26/2009
105210-036A	1001-119-30-S	Soil	4/23/2009 3:08:00 PM	4/23/2009	5/26/2009
105210-036B	1001-119-30-S	Soil	4/23/2009 3:08:00 PM	4/23/2009	5/26/2009
105210-036C	1001-119-30-S	Soil	4/23/2009 3:08:00 PM	4/23/2009	5/26/2009
105210-036D	1001-119-30-S	Soil	4/23/2009 3:08:00 PM	4/23/2009	5/26/2009
105210-037A	1001-119-35-S	Soil	4/23/2009 3:10:00 PM	4/23/2009	5/26/2009
105210-037B	1001-119-35-S	Soil	4/23/2009 3:10:00 PM	4/23/2009	5/26/2009
105210-037C	1001-119-35-S	Soil	4/23/2009 3:10:00 PM	4/23/2009	5/26/2009
105210-037D	1001-119-35-S	Soil	4/23/2009 3:10:00 PM	4/23/2009	5/26/2009
105210-038A	1001-119-40-S	Soil	4/23/2009 3:12:00 PM	4/23/2009	5/26/2009



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105210-038B	1001-119-40-S	Soil	4/23/2009 3:12:00 PM	4/23/2009	5/26/2009
105210-038C	1001-119-40-S	Soil	4/23/2009 3:12:00 PM	4/23/2009	5/26/2009
105210-038D	1001-119-40-S	Soil	4/23/2009 3:12:00 PM	4/23/2009	5/26/2009
105210-039A	1001-120-5-S	Soil	4/23/2009 3:50:00 PM	4/23/2009	5/26/2009
105210-039B	1001-120-5-S	Soil	4/23/2009 3:50:00 PM	4/23/2009	5/26/2009
105210-039C	1001-120-5-S	Soil	4/23/2009 3:50:00 PM	4/23/2009	5/26/2009
105210-039D	1001-120-5-S	Soil	4/23/2009 3:50:00 PM	4/23/2009	5/26/2009
105210-040A	1001-120-10-S	Soil	4/23/2009 3:55:00 PM	4/23/2009	5/26/2009
105210-040B	1001-120-10-S	Soil	4/23/2009 3:55:00 PM	4/23/2009	5/26/2009
105210-040C	1001-120-10-S	Soil	4/23/2009 3:55:00 PM	4/23/2009	5/26/2009
105210-040D	1001-120-10-S	Soil	4/23/2009 3:55:00 PM	4/23/2009	5/26/2009
105210-041A	1001-120-20-S	Soil	4/23/2009 3:58:00 PM	4/23/2009	5/26/2009
105210-041B	1001-120-20-S	Soil	4/23/2009 3:58:00 PM	4/23/2009	5/26/2009
105210-041C	1001-120-20-S	Soil	4/23/2009 3:58:00 PM	4/23/2009	5/26/2009
105210-041D	1001-120-20-S	Soil	4/23/2009 3:58:00 PM	4/23/2009	5/26/2009
105210-042A	1001-120-25-S	Soil	4/23/2009 4:00:00 PM	4/23/2009	5/26/2009
105210-042B	1001-120-25-S	Soil	4/23/2009 4:00:00 PM	4/23/2009	5/26/2009
105210-042C	1001-120-25-S	Soil	4/23/2009 4:00:00 PM	4/23/2009	5/26/2009
105210-042D	1001-120-25-S	Soil	4/23/2009 4:00:00 PM	4/23/2009	5/26/2009
105210-043A	1001-120-25D-S	Soil	4/23/2009 4:00:00 PM	4/23/2009	5/26/2009
105210-043B	1001-120-25D-S	Soil	4/23/2009 4:00:00 PM	4/23/2009	5/26/2009
105210-043C	1001-120-25D-S	Soil	4/23/2009 4:00:00 PM	4/23/2009	5/26/2009
105210-043D	1001-120-25D-S	Soil	4/23/2009 4:00:00 PM	4/23/2009	5/26/2009
105210-044A	1001-120-30-S	Soil	4/23/2009 4:03:00 PM	4/23/2009	5/26/2009
105210-044B	1001-120-30-S	Soil	4/23/2009 4:03:00 PM	4/23/2009	5/26/2009
105210-044C	1001-120-30-S	Soil	4/23/2009 4:03:00 PM	4/23/2009	5/26/2009
105210-044D	1001-120-30-S	Soil	4/23/2009 4:03:00 PM	4/23/2009	5/26/2009
105210-045A	1001-120-35-S	Soil	4/23/2009 4:05:00 PM	4/23/2009	5/26/2009
105210-045B	1001-120-35-S	Soil	4/23/2009 4:05:00 PM	4/23/2009	5/26/2009
105210-045C	1001-120-35-S	Soil	4/23/2009 4:05:00 PM	4/23/2009	5/26/2009



CLIENT: Ninyo & Moore
Project: 207126015
Lab Order: 105210
Contract No:

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
105210-045D	1001-120-35-S	Soil	4/23/2009 4:05:00 PM	4/23/2009	5/26/2009
105210-046A	1001-120-40-S	Soil	4/23/2009 4:08:00 PM	4/23/2009	5/26/2009
105210-046B	1001-120-40-S	Soil	4/23/2009 4:08:00 PM	4/23/2009	5/26/2009
105210-046C	1001-120-40-S	Soil	4/23/2009 4:08:00 PM	4/23/2009	5/26/2009
105210-046D	1001-120-40-S	Soil	4/23/2009 4:08:00 PM	4/23/2009	5/26/2009
105210-047A	QCEB-3	Water	4/23/2009 4:15:00 PM	4/23/2009	5/26/2009
105210-048A	Trip Blank	Water	4/23/2009	4/23/2009	5/26/2009



CLIENT: Ninyo & Moore
Project: 207126015
Lab Order: 105210

CASE NARRATIVE

All volatile analyses were performed using 5035 preservation requirements except sample 1001-120-40-S. Any high level dilutions were performed on a preserved methanol sample unless otherwise noted.

Analytical Comments for EPA 8015B(M)

Samples 105210-006, 105210-008, 105210-009, 105210-011, 105210-014, 105210-019, 105210-021, 105210-027, 105210-029, 105210-030, 105210-036, 105210-038, 105210-044, 105210-046, 105173-009EDUP, 105210-006GDUP, 105210-019EDUP, 105210-027GDUP, 105210-006GMS, 105210-006GMSD, 105210-030GMS and 105210-030GMSD were requested and analyzed past hold time.



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ANALYTICAL RESULTS

Print Date: 26-May-09

CLIENT: Ninyo & Moore
Lab Order: 105210
Project: 207126015
Lab ID: 105210-006D

Client Sample ID: 1001-115-30-S
Collection Date: 4/23/2009 8:20:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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HYDROCARBON CHAIN IDENTIFICATION

EPA 8015B

RunID: GC2_090521A	QC Batch: E09VS139	PrepDate: 4/23/2009	Analyst: KHN
T/R Hydrocarbons: C4-C12	ND 0.22 1.1	H mg/Kg	1 5/21/2009 04:22 PM
Surr: Bromofluorobenzene (FID)	115 0 59-145	H %REC	1 5/21/2009 04:22 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 26-May-09

CLIENT: Ninyo & Moore
Lab Order: 105210
Project: 207126015
Lab ID: 105210-006G

Client Sample ID: 1001-115-30-S
Collection Date: 4/23/2009 8:20:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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HYDROCARBON CHAIN IDENTIFICATION

LUFT

EPA 8015B(M)

RunID: GC16_090522B	QC Batch: 55474			PrepDate: 5/21/2009	Analyst: CBR
T/R Hydrocarbons: C13-C22	ND	10	10	H mg/Kg	1 5/22/2009 02:04 PM
T/R Hydrocarbons: C23-C32	ND	10	10	H mg/Kg	1 5/22/2009 02:04 PM
T/R Hydrocarbons:>C32	ND	10	10	H mg/Kg	1 5/22/2009 02:04 PM
Surr: p-Terphenyl	99.4	0	57-144	H %REC	1 5/22/2009 02:04 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 26-May-09

CLIENT: Ninyo & Moore
Lab Order: 105210
Project: 207126015
Lab ID: 105210-008D

Client Sample ID: 1001-115-40-S
Collection Date: 4/23/2009 8:30:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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HYDROCARBON CHAIN IDENTIFICATION

EPA 8015B

RunID: GC2_090521A	QC Batch: E09VS139	PrepDate: 4/23/2009	Analyst: KHN
T/R Hydrocarbons: C4-C12	ND 0.18 0.93	H mg/Kg	1 5/21/2009 04:38 PM
Surr: Bromofluorobenzene (FID)	116 0 59-145	H %REC	1 5/21/2009 04:38 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 26-May-09

CLIENT: Ninyo & Moore
Lab Order: 105210
Project: 207126015
Lab ID: 105210-008G

Client Sample ID: 1001-115-40-S
Collection Date: 4/23/2009 8:30:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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HYDROCARBON CHAIN IDENTIFICATION

LUFT

EPA 8015B(M)

RunID: GC16_090522B	QC Batch: 55474			PrepDate: 5/21/2009	Analyst: CBR
T/R Hydrocarbons: C13-C22	ND	10	10	H mg/Kg	1 5/22/2009 02:14 PM
T/R Hydrocarbons: C23-C32	ND	10	10	H mg/Kg	1 5/22/2009 02:14 PM
T/R Hydrocarbons:>C32	ND	10	10	H mg/Kg	1 5/22/2009 02:14 PM
Surr: p-Terphenyl	116	0	57-144	H %REC	1 5/22/2009 02:14 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 26-May-09

CLIENT: Ninyo & Moore
Lab Order: 105210
Project: 207126015
Lab ID: 105210-009D

Client Sample ID: 1001-115-40D-S
Collection Date: 4/23/2009 8:30:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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HYDROCARBON CHAIN IDENTIFICATION

EPA 8015B

RunID: GC2_090521A	QC Batch: E09VS139	PrepDate: 4/23/2009	Analyst: KHN
T/R Hydrocarbons: C4-C12	ND 0.18 0.92	H mg/Kg	1 5/21/2009 04:54 PM
Surr: Bromofluorobenzene (FID)	118 0 59-145	H %REC	1 5/21/2009 04:54 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 26-May-09

CLIENT: Ninyo & Moore
Lab Order: 105210
Project: 207126015
Lab ID: 105210-009G

Client Sample ID: 1001-115-40D-S
Collection Date: 4/23/2009 8:30:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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HYDROCARBON CHAIN IDENTIFICATION

LUFT

EPA 8015B(M)

RunID: GC16_090522B	QC Batch: 55474			PrepDate: 5/21/2009	Analyst: CBR
T/R Hydrocarbons: C13-C22	ND	10	10	H mg/Kg	1 5/22/2009 02:23 PM
T/R Hydrocarbons: C23-C32	ND	10	10	H mg/Kg	1 5/22/2009 02:23 PM
T/R Hydrocarbons:>C32	ND	10	10	H mg/Kg	1 5/22/2009 02:23 PM
Surr: p-Terphenyl	95.9	0	57-144	H %REC	1 5/22/2009 02:23 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 26-May-09

CLIENT: Ninyo & Moore
Lab Order: 105210
Project: 207126015
Lab ID: 105210-011D

Client Sample ID: 1001-114-30-S
Collection Date: 4/23/2009 9:20:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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HYDROCARBON CHAIN IDENTIFICATION

EPA 8015B

RunID: GC2_090521A	QC Batch: E09VS139	PrepDate: 4/23/2009	Analyst: KHN
T/R Hydrocarbons: C4-C12	ND 0.17 0.88	H mg/Kg	1 5/21/2009 05:09 PM
Surr: Bromofluorobenzene (FID)	117 0 59-145	H %REC	1 5/21/2009 05:09 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 26-May-09

CLIENT: Ninyo & Moore
Lab Order: 105210
Project: 207126015
Lab ID: 105210-011G

Client Sample ID: 1001-114-30-S
Collection Date: 4/23/2009 9:20:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
HYDROCARBON CHAIN IDENTIFICATION							
	LUFT		EPA 8015B(M)				
RunID: GC16_090522B	QC Batch: 55474		PrepDate: 5/21/2009		Analyst: CBR		
T/R Hydrocarbons: C13-C22	ND	10	10	H	mg/Kg	1	5/22/2009 02:32 PM
T/R Hydrocarbons: C23-C32	ND	10	10	H	mg/Kg	1	5/22/2009 02:32 PM
T/R Hydrocarbons:>C32	ND	10	10	H	mg/Kg	1	5/22/2009 02:32 PM
Surr: p-Terphenyl	96.7	0	57-144	H	%REC	1	5/22/2009 02:32 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 26-May-09

CLIENT: Ninyo & Moore
Lab Order: 105210
Project: 207126015
Lab ID: 105210-014D

Client Sample ID: 1001-114-40-S
Collection Date: 4/23/2009 9:35:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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HYDROCARBON CHAIN IDENTIFICATION

EPA 8015B

RunID: GC2_090521A	QC Batch: E09VS139	PrepDate: 4/23/2009	Analyst: KHN
T/R Hydrocarbons: C4-C12	ND 0.14	0.74	H mg/Kg 1 5/21/2009 05:25 PM
Surr: Bromofluorobenzene (FID)	117 0	59-145	H %REC 1 5/21/2009 05:25 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 26-May-09

CLIENT: Ninyo & Moore
Lab Order: 105210
Project: 207126015
Lab ID: 105210-014G

Client Sample ID: 1001-114-40-S
Collection Date: 4/23/2009 9:35:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
HYDROCARBON CHAIN IDENTIFICATION							
	LUFT		EPA 8015B(M)				
RunID: GC16_090522B	QC Batch: 55474		PrepDate: 5/21/2009		Analyst: CBR		
T/R Hydrocarbons: C13-C22	ND	10	10	H	mg/Kg	1	5/22/2009 02:42 PM
T/R Hydrocarbons: C23-C32	ND	10	10	H	mg/Kg	1	5/22/2009 02:42 PM
T/R Hydrocarbons:>C32	ND	10	10	H	mg/Kg	1	5/22/2009 02:42 PM
Surr: p-Terphenyl	93.6	0	57-144	H	%REC	1	5/22/2009 02:42 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 26-May-09

CLIENT: Ninyo & Moore
Lab Order: 105210
Project: 207126015
Lab ID: 105210-019D

Client Sample ID: 1001-116-30-S
Collection Date: 4/23/2009 10:38:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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HYDROCARBON CHAIN IDENTIFICATION

EPA 8015B

RunID: GC2_090521B	QC Batch: E09VS140	PrepDate: 4/23/2009	Analyst: KHN
T/R Hydrocarbons: C4-C12	ND 0.39 2.0	H mg/Kg	1 5/21/2009 08:01 PM
Surr: Bromofluorobenzene (FID)	106 0 59-145	H %REC	1 5/21/2009 08:01 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 26-May-09

CLIENT: Ninyo & Moore
Lab Order: 105210
Project: 207126015
Lab ID: 105210-019G

Client Sample ID: 1001-116-30-S
Collection Date: 4/23/2009 10:38:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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HYDROCARBON CHAIN IDENTIFICATION

LUFT

EPA 8015B(M)

RunID: GC16_090522A	QC Batch: 55478			PrepDate: 5/21/2009	Analyst: CBR
T/R Hydrocarbons: C13-C22	ND	10	10	H mg/Kg	1 5/22/2009 11:11 AM
T/R Hydrocarbons: C23-C32	ND	10	10	H mg/Kg	1 5/22/2009 11:11 AM
T/R Hydrocarbons:>C32	ND	10	10	H mg/Kg	1 5/22/2009 11:11 AM
Surr: p-Terphenyl	95.2	0	57-144	H %REC	1 5/22/2009 11:11 AM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 26-May-09

CLIENT: Ninyo & Moore
Lab Order: 105210
Project: 207126015
Lab ID: 105210-021D

Client Sample ID: 1001-116-40-S
Collection Date: 4/23/2009 10:50:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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HYDROCARBON CHAIN IDENTIFICATION

EPA 8015B

RunID: GC2_090521B	QC Batch: E09VS140	PrepDate: 4/23/2009	Analyst: KHN
T/R Hydrocarbons: C4-C12	ND 0.15 0.77	H mg/Kg 1	5/21/2009 08:33 PM
Surr: Bromofluorobenzene (FID)	115 0 59-145	H %REC 1	5/21/2009 08:33 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 26-May-09

CLIENT: Ninyo & Moore
Lab Order: 105210
Project: 207126015
Lab ID: 105210-021G

Client Sample ID: 1001-116-40-S
Collection Date: 4/23/2009 10:50:00 AM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
HYDROCARBON CHAIN IDENTIFICATION							
	LUFT		EPA 8015B(M)				
RunID: GC16_090522A	QC Batch: 55478		PrepDate: 5/21/2009		Analyst: CBR		
T/R Hydrocarbons: C13-C22	ND	10	10	H	mg/Kg	1	5/22/2009 11:20 AM
T/R Hydrocarbons: C23-C32	ND	10	10	H	mg/Kg	1	5/22/2009 11:20 AM
T/R Hydrocarbons:>C32	ND	10	10	H	mg/Kg	1	5/22/2009 11:20 AM
Surr: p-Terphenyl	117	0	57-144	H	%REC	1	5/22/2009 11:20 AM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 26-May-09

CLIENT: Ninyo & Moore
Lab Order: 105210
Project: 207126015
Lab ID: 105210-027D

Client Sample ID: 1001-118-30-S
Collection Date: 4/23/2009 1:25:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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HYDROCARBON CHAIN IDENTIFICATION

EPA 8015B

RunID: GC2_090521B	QC Batch: E09VS140	PrepDate: 4/23/2009	Analyst: KHN
T/R Hydrocarbons: C4-C12	ND 0.18 0.91	H mg/Kg	1 5/21/2009 08:48 PM
Surr: Bromofluorobenzene (FID)	114 0 59-145	H %REC	1 5/21/2009 08:48 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 26-May-09

CLIENT: Ninyo & Moore
Lab Order: 105210
Project: 207126015
Lab ID: 105210-027G

Client Sample ID: 1001-118-30-S
Collection Date: 4/23/2009 1:25:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
HYDROCARBON CHAIN IDENTIFICATION							
	LUFT		EPA 8015B(M)				
RunID: GC16_090522A	QC Batch: 55478		PrepDate: 5/21/2009		Analyst: CBR		
T/R Hydrocarbons: C13-C22	ND	10	10	H	mg/Kg	1	5/22/2009 11:29 AM
T/R Hydrocarbons: C23-C32	ND	10	10	H	mg/Kg	1	5/22/2009 11:29 AM
T/R Hydrocarbons:>C32	ND	10	10	H	mg/Kg	1	5/22/2009 11:29 AM
Surr: p-Terphenyl	95.4	0	57-144	H	%REC	1	5/22/2009 11:29 AM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 26-May-09

CLIENT: Ninyo & Moore
Lab Order: 105210
Project: 207126015
Lab ID: 105210-029D

Client Sample ID: 1001-118-40-S
Collection Date: 4/23/2009 1:40:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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HYDROCARBON CHAIN IDENTIFICATION

EPA 8015B

RunID: GC2_090521B	QC Batch: E09VS140	PrepDate: 4/23/2009	Analyst: KHN
T/R Hydrocarbons: C4-C12	ND 0.17 0.88	H mg/Kg	1 5/21/2009 09:04 PM
Surr: Bromofluorobenzene (FID)	105 0 59-145	H %REC	1 5/21/2009 09:04 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 26-May-09

CLIENT: Ninyo & Moore
Lab Order: 105210
Project: 207126015
Lab ID: 105210-029G

Client Sample ID: 1001-118-40-S
Collection Date: 4/23/2009 1:40:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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HYDROCARBON CHAIN IDENTIFICATION

LUFT

EPA 8015B(M)

RunID: GC16_090522A	QC Batch: 55478			PrepDate: 5/21/2009	Analyst: CBR
T/R Hydrocarbons: C13-C22	ND	10	10	H mg/Kg	1 5/22/2009 11:38 AM
T/R Hydrocarbons: C23-C32	ND	10	10	H mg/Kg	1 5/22/2009 11:38 AM
T/R Hydrocarbons:>C32	ND	10	10	H mg/Kg	1 5/22/2009 11:38 AM
Surr: p-Terphenyl	117	0	57-144	H %REC	1 5/22/2009 11:38 AM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 26-May-09

CLIENT: Ninyo & Moore
Lab Order: 105210
Project: 207126015
Lab ID: 105210-030D

Client Sample ID: 1001-118-40D-S
Collection Date: 4/23/2009 1:40:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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HYDROCARBON CHAIN IDENTIFICATION

EPA 8015B

RunID: GC2_090521B	QC Batch: E09VS140	PrepDate: 4/23/2009	Analyst: KHN
T/R Hydrocarbons: C4-C12	ND 0.16 0.81	H mg/Kg	1 5/21/2009 09:20 PM
Surr: Bromofluorobenzene (FID)	115 0 59-145	H %REC	1 5/21/2009 09:20 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 26-May-09

CLIENT: Ninyo & Moore
Lab Order: 105210
Project: 207126015
Lab ID: 105210-030G

Client Sample ID: 1001-118-40D-S
Collection Date: 4/23/2009 1:40:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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HYDROCARBON CHAIN IDENTIFICATION

LUFT

EPA 8015B(M)

RunID: GC16_090522A	QC Batch: 55478			PrepDate: 5/21/2009	Analyst: CBR
T/R Hydrocarbons: C13-C22	ND	10	10	H mg/Kg	1 5/22/2009 11:47 AM
T/R Hydrocarbons: C23-C32	ND	10	10	H mg/Kg	1 5/22/2009 11:47 AM
T/R Hydrocarbons:>C32	ND	10	10	H mg/Kg	1 5/22/2009 11:47 AM
Surr: p-Terphenyl	96.3	0	57-144	H %REC	1 5/22/2009 11:47 AM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 26-May-09

CLIENT: Ninyo & Moore
Lab Order: 105210
Project: 207126015
Lab ID: 105210-036B

Client Sample ID: 1001-119-30-S
Collection Date: 4/23/2009 3:08:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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HYDROCARBON CHAIN IDENTIFICATION

EPA 8015B

RunID: GC2_090521B	QC Batch: E09VS140	PrepDate: 4/23/2009	Analyst: KHN
T/R Hydrocarbons: C4-C12	ND 0.26 1.3	H mg/Kg 1	5/21/2009 09:35 PM
Surr: Bromofluorobenzene (FID)	116 0 59-145	H %REC 1	5/21/2009 09:35 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 26-May-09

CLIENT: Ninyo & Moore
Lab Order: 105210
Project: 207126015
Lab ID: 105210-036D

Client Sample ID: 1001-119-30-S
Collection Date: 4/23/2009 3:08:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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HYDROCARBON CHAIN IDENTIFICATION

LUFT

EPA 8015B(M)

RunID: GC16_090522A	QC Batch: 55478			PrepDate: 5/21/2009	Analyst: CBR
T/R Hydrocarbons: C13-C22	ND	10	10	H mg/Kg	1 5/22/2009 11:56 AM
T/R Hydrocarbons: C23-C32	ND	10	10	H mg/Kg	1 5/22/2009 11:56 AM
T/R Hydrocarbons:>C32	ND	10	10	H mg/Kg	1 5/22/2009 11:56 AM
Surr: p-Terphenyl	114	0	57-144	H %REC	1 5/22/2009 11:56 AM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 26-May-09

CLIENT: Ninyo & Moore
Lab Order: 105210
Project: 207126015
Lab ID: 105210-038B

Client Sample ID: 1001-119-40-S
Collection Date: 4/23/2009 3:12:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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HYDROCARBON CHAIN IDENTIFICATION

EPA 8015B

RunID: GC2_090521B	QC Batch: E09VS140	PrepDate: 4/23/2009	Analyst: KHN
T/R Hydrocarbons: C4-C12	ND 0.15 0.76	H mg/Kg	1 5/21/2009 09:51 PM
Surr: Bromofluorobenzene (FID)	106 0 59-145	H %REC	1 5/21/2009 09:51 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 26-May-09

CLIENT: Ninyo & Moore
Lab Order: 105210
Project: 207126015
Lab ID: 105210-038D

Client Sample ID: 1001-119-40-S
Collection Date: 4/23/2009 3:12:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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HYDROCARBON CHAIN IDENTIFICATION

LUFT

EPA 8015B(M)

RunID: GC16_090522A	QC Batch: 55478			PrepDate: 5/21/2009	Analyst: CBR
T/R Hydrocarbons: C13-C22	ND	10	10	H mg/Kg	1 5/22/2009 12:05 PM
T/R Hydrocarbons: C23-C32	ND	10	10	H mg/Kg	1 5/22/2009 12:05 PM
T/R Hydrocarbons:>C32	ND	10	10	H mg/Kg	1 5/22/2009 12:05 PM
Surr: p-Terphenyl	97.8	0	57-144	H %REC	1 5/22/2009 12:05 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 26-May-09

CLIENT: Ninyo & Moore
Lab Order: 105210
Project: 207126015
Lab ID: 105210-044B

Client Sample ID: 1001-120-30-S
Collection Date: 4/23/2009 4:03:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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HYDROCARBON CHAIN IDENTIFICATION

EPA 8015B

RunID: GC2_090521B	QC Batch: E09VS140	PrepDate: 4/23/2009	Analyst: KHN
T/R Hydrocarbons: C4-C12	ND 0.16 0.83	H mg/Kg	1 5/21/2009 10:06 PM
Surr: Bromofluorobenzene (FID)	111 0 59-145	H %REC	1 5/21/2009 10:06 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 26-May-09

CLIENT: Ninyo & Moore
Lab Order: 105210
Project: 207126015
Lab ID: 105210-044D

Client Sample ID: 1001-120-30-S
Collection Date: 4/23/2009 4:03:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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HYDROCARBON CHAIN IDENTIFICATION

LUFT

EPA 8015B(M)

RunID: GC16_090522A	QC Batch: 55478			PrepDate: 5/21/2009	Analyst: CBR
T/R Hydrocarbons: C13-C22	ND	10	10	H mg/Kg	1 5/22/2009 12:14 PM
T/R Hydrocarbons: C23-C32	ND	10	10	H mg/Kg	1 5/22/2009 12:14 PM
T/R Hydrocarbons:>C32	ND	10	10	H mg/Kg	1 5/22/2009 12:14 PM
Surr: p-Terphenyl	94.2	0	57-144	H %REC	1 5/22/2009 12:14 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 26-May-09

CLIENT: Ninyo & Moore
Lab Order: 105210
Project: 207126015
Lab ID: 105210-046D

Client Sample ID: 1001-120-40-S
Collection Date: 4/23/2009 4:08:00 PM
Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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HYDROCARBON CHAIN IDENTIFICATION

LUFT

EPA 8015B(M)

RunID: GC16_090522A	QC Batch: 55478			PrepDate: 5/21/2009	Analyst: CBR
T/R Hydrocarbons: C13-C22	ND	10	10	H mg/Kg	1 5/22/2009 12:23 PM
T/R Hydrocarbons: C23-C32	ND	10	10	H mg/Kg	1 5/22/2009 12:23 PM
T/R Hydrocarbons:>C32	ND	10	10	H mg/Kg	1 5/22/2009 12:23 PM
Surr: p-Terphenyl	95.8	0	57-144	H %REC	1 5/22/2009 12:23 PM

HYDROCARBON CHAIN IDENTIFICATION

EPA 8015B

RunID: GC2_090521B	QC Batch: E09VS140			PrepDate:	Analyst: KHN
T/R Hydrocarbons: C4-C12	ND	0.19	1.0	H mg/Kg	1 5/21/2009 10:22 PM
Surr: Bromofluorobenzene (FID)	102	0	59-145	H %REC	1 5/21/2009 10:22 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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CLIENT: Ninyo & Moore

Work Order: 105210

Project: 207126015

ANALYTICAL QC SUMMARY REPORT

TestCode: HC_S_SEMI

Sample ID: MB-55474	SampType: MBLK	TestCode: HC_S_SEMI	Units: mg/Kg	Prep Date: 5/21/2009	RunNo: 109275						
Client ID: PBS	Batch ID: 55474	TestNo: EPA 8015B(M LUFT	Analysis Date: 5/22/2009	SeqNo: 1716239							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C13-C22	ND	10									
T/R Hydrocarbons: C23-C32	ND	10									
T/R Hydrocarbons:>C32	ND	10									
Surr: p-Terphenyl	76.080		80.00		95.1	57	144				

Sample ID: 105210-006GDUP	SampType: DUP	TestCode: HC_S_SEMI	Units: mg/Kg	Prep Date: 5/21/2009	RunNo: 109275						
Client ID: 1001-115-30-S	Batch ID: 55474	TestNo: EPA 8015B(M LUFT	Analysis Date: 5/22/2009	SeqNo: 1716241							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
C12+ to C22	ND	10						0	0	20	H
C13-C22	ND	10						0	0	20	H
C18-C36	ND	10						0	0	20	H
T/R Hydrocarbons: C8	ND	10						0	0	20	H
C22+ to C40	ND	10						0	0	20	H
C23-C39	ND	10						0	0	20	H
T/R Hydrocarbons: C6-C12	ND	10						0	0	20	H
T/R Hydrocarbons: C8-C10	ND	10						0	0	20	H
T/R Hydrocarbons: C8-C12	ND	10						0	0	20	H
T/R Hydrocarbons: C8-C40	ND	10						0	0	20	H
T/R Hydrocarbons: C9-C25	ND	10						0	0	20	H
T/R Hydrocarbons: C10-C12	ND	10						0	0	20	H
T/R Hydrocarbons: C10-C14	ND	10						0	0	20	H
T/R Hydrocarbons: C10-C18	ND	10						0	0	20	H
T/R Hydrocarbons: C10-C28	ND	10						0	0	20	H
T/R Hydrocarbons: C12-C16	ND	10						0	0	20	H
T/R Hydrocarbons: C12-C40	ND	10						0	0	20	H
T/R Hydrocarbons: C13-C15	ND	10						0	0	20	H
T/R Hydrocarbons: C13-C22	ND	10						0	0	20	H

Qualifiers:

B Analyte detected in the associated Method Blank

ND Not Detected at the Reporting Limit

DO Surrogate Diluted Out

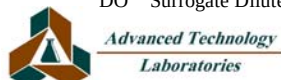
E Value above quantitation range

R RPD outside accepted recovery limits

Calculations are based on raw values

H Holding times for preparation or analysis exceeded

S Spike/Surrogate outside of limits due to matrix interference



CLIENT: Ninyo & Moore
Work Order: 105210
Project: 207126015

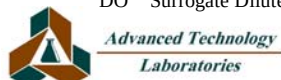
ANALYTICAL QC SUMMARY REPORT

TestCode: HC_S_SEMI

Sample ID: 105210-006GDUP		SampType: DUP		TestCode: HC_S_SEMI		Units: mg/Kg		Prep Date: 5/21/2009		RunNo: 109275	
Client ID: 1001-115-30-S		Batch ID: 55474		TestNo: EPA 8015B(M LUFT				Analysis Date: 5/22/2009		SeqNo: 1716241	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C13-C23	ND	10						0	0	20	H
T/R Hydrocarbons: C9-C18	ND	10						0	0	20	H
T/R Hydrocarbons: C15-C28	ND	10						0	0	20	H
T/R Hydrocarbons: C16-C20	ND	10						0	0	20	H
T/R Hydrocarbons: C16-C22	ND	10						0	0	20	H
T/R Hydrocarbons: C19-C32	ND	10						0	0	20	H
T/R Hydrocarbons: C20-C24	ND	10						0	0	20	H
T/R Hydrocarbons: C23-C32	ND	10						0	0	20	H
T/R Hydrocarbons: C23-C40	ND	10						0	0	20	H
T/R Hydrocarbons: C24-C28	ND	10						0	0	20	H
T/R Hydrocarbons: C24-C40	ND	10						0	0	20	H
T/R Hydrocarbons: C28-C32	ND	10						0	0	20	H
T/R Hydrocarbons: C28-C36	ND	10						0	0	20	H
T/R Hydrocarbons: C29-C36	ND	10						0	0	20	H
T/R Hydrocarbons: C32-C36	ND	10						0	0	20	H
T/R Hydrocarbons: C33-C40	ND	10						0	0	20	H
T/R Hydrocarbons: C34-C36	ND	10						0	0	20	H
T/R Hydrocarbons: C36-C40	ND	10						0	0	20	H
T/R Hydrocarbons: C38-C40	ND	10						0	0	20	H
T/R Hydrocarbons:>C23	ND	10						0	0	20	H
T/R Hydrocarbons:>C32	ND	10						0	0	20	H
T/R Hydrocarbons:>C40	ND	10						0	0	20	H
T/R Hydrocarbons: C8-C40 Total	ND	10						0	0	20	H
T/R Hydrocarbons: C13-C28	ND	10						0	0	0	H
T/R Hydrocarbons: C29-C40	ND	10						0	0	0	H
Surr: p-Terphenyl	70.760		80.00		88.4	57	144		0	0	H

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



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CLIENT: Ninyo & Moore
Work Order: 105210
Project: 207126015

ANALYTICAL QC SUMMARY REPORT

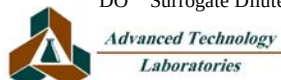
TestCode: HC_S_SEMI

Sample ID: MB-55478		SampType: MBLK	TestCode: HC_S_SEMI		Units: mg/Kg	Prep Date: 5/21/2009			RunNo: 109273			
Client ID: PBS		Batch ID: 55478	TestNo: EPA 8015B(M LUFT			Analysis Date: 5/22/2009			SeqNo: 1716160			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C13-C22		ND	10									
T/R Hydrocarbons: C23-C32		ND	10									
T/R Hydrocarbons:>C32		ND	10									
Surr: p-Terphenyl		77.030		80.00		96.3	57	144				

Sample ID: 105210-027GDUP		SampType: DUP		TestCode: HC_S_SEMI		Units: mg/Kg		Prep Date: 5/21/2009		RunNo: 109273	
Client ID: 1001-118-30-S		Batch ID: 55478		TestNo: EPA 8015B(M LUFT				Analysis Date: 5/22/2009		SeqNo: 1716164	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
C12+ to C22	ND	10						0	0	20	H
C13-C22	ND	10						0	0	20	H
C18-C36	ND	10						0	0	20	H
T/R Hydrocarbons: C8	ND	10						0	0	20	H
C22+ to C40	ND	10						0	0	20	H
C23-C39	ND	10						0	0	20	H
T/R Hydrocarbons: C6-C12	ND	10						0	0	20	H
T/R Hydrocarbons: C8-C10	ND	10						0	0	20	H
T/R Hydrocarbons: C8-C12	ND	10						0	0	20	H
T/R Hydrocarbons: C8-C40	ND	10						0	0	20	H
T/R Hydrocarbons: C9-C25	ND	10						0	0	20	H
T/R Hydrocarbons: C10-C12	ND	10						0	0	20	H
T/R Hydrocarbons: C10-C14	ND	10						0	0	20	H
T/R Hydrocarbons: C10-C18	ND	10						0	0	20	H
T/R Hydrocarbons: C10-C28	ND	10						0	0	20	H
T/R Hydrocarbons: C12-C16	ND	10						0	0	20	H
T/R Hydrocarbons: C12-C40	ND	10						0	0	20	H
T/R Hydrocarbons: C13-C15	ND	10						0	0	20	H
T/R Hydrocarbons: C13-C22	ND	10						0	0	20	H
T/R Hydrocarbons: C13-C23	ND	10						0	0	20	H
T/R Hydrocarbons: C9-C18	ND	10						0	0	20	H

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



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CLIENT: Ninyo & Moore
Work Order: 105210
Project: 207126015

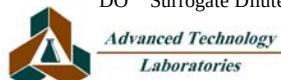
ANALYTICAL QC SUMMARY REPORT

TestCode: HC_S_SEMI

Sample ID: 105210-027GDUP		SampType: DUP		TestCode: HC_S_SEMI		Units: mg/Kg		Prep Date: 5/21/2009		RunNo: 109273	
Client ID: 1001-118-30-S		Batch ID: 55478		TestNo: EPA 8015B(M LUFT				Analysis Date: 5/22/2009		SeqNo: 1716164	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C15-C28	ND	10						0	0	20	H
T/R Hydrocarbons: C16-C20	ND	10						0	0	20	H
T/R Hydrocarbons: C16-C22	ND	10						0	0	20	H
T/R Hydrocarbons: C19-C32	ND	10						0	0	20	H
T/R Hydrocarbons: C20-C24	ND	10						0	0	20	H
T/R Hydrocarbons: C23-C32	ND	10						0	0	20	H
T/R Hydrocarbons: C23-C40	ND	10						0	0	20	H
T/R Hydrocarbons: C24-C28	ND	10						0	0	20	H
T/R Hydrocarbons: C24-C40	ND	10						0	0	20	H
T/R Hydrocarbons: C28-C32	ND	10						0	0	20	H
T/R Hydrocarbons: C28-C36	ND	10						0	0	20	H
T/R Hydrocarbons: C29-C36	ND	10						0	0	20	H
T/R Hydrocarbons: C32-C36	ND	10						0	0	20	H
T/R Hydrocarbons: C33-C40	ND	10						0	0	20	H
T/R Hydrocarbons: C34-C36	ND	10						0	0	20	H
T/R Hydrocarbons: C36-C40	ND	10						0	0	20	H
T/R Hydrocarbons: C38-C40	ND	10						0	0	20	H
T/R Hydrocarbons:>C23	ND	10						0	0	20	H
T/R Hydrocarbons:>C32	ND	10						0	0	20	H
T/R Hydrocarbons:>C40	ND	10						0	0	20	H
T/R Hydrocarbons: C8-C40 Total	ND	10						0	0	20	H
T/R Hydrocarbons: C13-C28	ND	10						0	0	0	H
T/R Hydrocarbons: C29-C40	ND	10						0	0	0	H
Surr: p-Terphenyl	75.330		80.00		94.2	57	144		0	0	H

Qualifiers:

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CLIENT: Ninyo & Moore
Work Order: 105210
Project: 207126015

ANALYTICAL QC SUMMARY REPORT

TestCode: HC_S_VOAC4C12

Sample ID: E090521LCS3	SampType: LCS	TestCode: HC_S_VOAC	Units: mg/Kg	Prep Date:				RunNo: 109245			
Client ID: LCSS	Batch ID: E09VS140	TestNo: EPA 8015B		Analysis Date: 5/21/2009				SeqNo: 1715831			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C4-C12	4.370	1.0	5.000	0	87.4	73	120				
Surr: Bromofluorobenzene (FID)	100.452		100.0		100	59	145				

Sample ID: E090521MB2MS	SampType: MS	TestCode: HC_S_VOAC	Units: mg/Kg	Prep Date:	RunNo: 109245						
Client ID: ZZZZZZ	Batch ID: E09VS140	TestNo: EPA 8015B		Analysis Date: 5/21/2009	SeqNo: 1715832						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C4-C12	3.933	1.0	5.000	0	78.7	39	135				
Surr: Bromofluorobenzene (FID)	97.115		100.0		97.1	59	145				

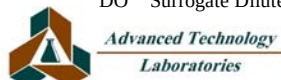
Sample ID: E090521MB2MSD	SampType: MSD	TestCode: HC_S_VOAC	Units: mg/Kg	Prep Date:				RunNo: 109245			
Client ID: ZZZZZZ	Batch ID: E09VS140	TestNo: EPA 8015B		Analysis Date: 5/21/2009				SeqNo: 1715833			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C4-C12	4.019	1.0	5.000	0	80.4	39	135	3.933	2.16	20	
Surr: Bromofluorobenzene (FID)	97.918		100.0		97.9	59	145		0	0	

Sample ID: E090521MB2	SampType: MBLK	TestCode: HC_S_VOAC	Units: mg/Kg	Prep Date:	RunNo: 109245						
Client ID: PBS	Batch ID: E09VS140	TestNo: EPA 8015B		Analysis Date: 5/21/2009	SeqNo: 1715834						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C4-C12	ND	1.0									
Surr: Bromofluorobenzene (FID)	102.468		100.0		102	59	145				

Sample ID: 105210-019EDUP	SampType: DUP	TestCode: HC_S_VOAC	Units: mg/Kg	Prep Date:				RunNo: 109245			
Client ID: 1001-116-30-S	Batch ID: E09VS140	TestNo: EPA 8015B		Analysis Date: 5/21/2009				SeqNo: 1715845			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C4-C12	ND	1.0						0	0	20	H

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out	Calculations are based on raw values			



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CLIENT: Ninyo & Moore
Work Order: 105210
Project: 207126015

ANALYTICAL QC SUMMARY REPORT

TestCode: HC_S_VOAC4C12

Sample ID: 105210-019EDUP		SampType: DUP		TestCode: HC_S_VOAC		Units: mg/Kg		Prep Date:		RunNo: 109245			
Client ID: 1001-116-30-S		Batch ID: E09VS140		TestNo: EPA 8015B				Analysis Date: 5/21/2009		SeqNo: 1715845			
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Bromofluorobenzene (FID)		91.301			100.0		91.3	59	145		0	0	H

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
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CLIENT: Ninyo & Moore
Work Order: 105210
Project: 207126015

ANALYTICAL QC SUMMARY REPORT

TestCode: HC_S_VOAC4C12P

Sample ID: E090521LCS1	SampType: LCS	TestCode: HC_S_VOAC	Units: mg/Kg	Prep Date:	RunNo: 109244						
Client ID: LCSS	Batch ID: E09VS139	TestNo: EPA 8015B	Analysis Date: 5/21/2009	SeqNo: 1715696							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

T/R Hydrocarbons: C4-C12	4.228	1.0	5.000	0	84.6	73	120
Surr: Bromofluorobenzene (FID)	94.154		100.0		94.2	59	145

Sample ID: E090521MB1MS	SampType: MS	TestCode: HC_S_VOAC	Units: mg/Kg	Prep Date:	RunNo: 109244						
Client ID: ZZZZZZ	Batch ID: E09VS139	TestNo: EPA 8015B		Analysis Date: 5/21/2009	SeqNo: 1715697						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

T/R Hydrocarbons: C4-C12	4.261	1.0	5.000	0	85.2	39	135
Surr: Bromofluorobenzene (FID)	96.182		100.0		96.2	59	145

Sample ID: E090521MB1MSD	SampType: MSD	TestCode: HC_S_VOAC	Units: mg/Kg	Prep Date:	RunNo: 109244						
Client ID: ZZZZZZ	Batch ID: E09VS139	TestNo: EPA 8015B	Analysis Date: 5/21/2009	SeqNo: 1715698							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

T/R Hydrocarbons: C4-C12	4.185	1.0	5.000	0	83.7	39	135	4.261	1.80	20
Surr: Bromofluorobenzene (FID)	99.607		100.0		99.6	59	145		0	0

Sample ID: E090521MB1	SampType: MBLK	TestCode: HC_S_VOAC	Units: mg/Kg	Prep Date:				RunNo: 109244			
Client ID: PBS	Batch ID: E09VS139	TestNo: EPA 8015B		Analysis Date: 5/21/2009				SeqNo: 1715699			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

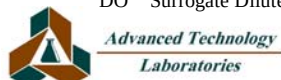
T/R Hydrocarbons: C4-C12	ND	1.0								
Surr: Bromofluorobenzene (FID)	101.430		100.0		101	59	145			

Sample ID: 105173-009EDUP	SampType: DUP	TestCode: HC_S_VOAC	Units: mg/Kg	Prep Date: 4/22/2009	RunNo: 109244						
Client ID: ZZZZZZ	Batch ID: E09VS139	TestNo: EPA 8015B		Analysis Date: 5/21/2009	SeqNo: 1715705						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

T/R Hydrocarbons: C4-C12	ND	0.87						0	0	20	H
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Qualifiers:

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ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



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CLIENT: Ninyo & Moore
Work Order: 105210
Project: 207126015

ANALYTICAL QC SUMMARY REPORT

TestCode: HC_S_VOAC4C12P

Sample ID: 105173-009EDUP	SampType: DUP	TestCode: HC_S_VOAC	Units: mg/Kg	Prep Date: 4/22/2009	RunNo: 109244						
Client ID: ZZZZZZ	Batch ID: E09VS139	TestNo: EPA 8015B		Analysis Date: 5/21/2009	SeqNo: 1715705						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Bromofluorobenzene (FID)	92.713		86.51		107	59	145		0	0	H

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
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CLIENT: Ninyo & Moore
Work Order: 105210
Project: 207126015

ANALYTICAL QC SUMMARY REPORT

TestCode: HC_S_VOAC4C12P

Sample ID: E090521LCS3	SampType: LCS	TestCode: HC_S_VOAC	Units: mg/Kg	Prep Date:	RunNo: 109245						
Client ID: LCSS	Batch ID: E09VS140	TestNo: EPA 8015B		Analysis Date: 5/21/2009	SeqNo: 1715732						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C4-C12	4.370	1.0	5.000	0	87.4	73	120				
Surr: Bromofluorobenzene (FID)	100.452		100.0		100	59	145				

Sample ID: E090521MB2MS	SampType: MS	TestCode: HC_S_VOAC	Units: mg/Kg	Prep Date:	RunNo: 109245						
Client ID: ZZZZZZ	Batch ID: E09VS140	TestNo: EPA 8015B		Analysis Date: 5/21/2009	SeqNo: 1715733						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C4-C12	3.933	1.0	5.000	0	78.7	39	135				
Surr: Bromofluorobenzene (FID)	97.115		100.0		97.1	59	145				

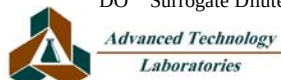
Sample ID: E090521MB2MSD	SampType: MSD	TestCode: HC_S_VOAC	Units: mg/Kg	Prep Date:				RunNo: 109245			
Client ID: ZZZZZZ	Batch ID: E09VS140	TestNo: EPA 8015B	Analysis Date: 5/21/2009				SeqNo: 1715734				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C4-C12	4.019	1.0	5.000	0	80.4	39	135	3.933	2.16	20	
Surr: Bromofluorobenzene (FID)	97.918		100.0		97.9	59	145		0	0	

Sample ID: E090521MB2		SampType: MBLK		TestCode: HC_S_VOAC		Units: mg/Kg		Prep Date:		RunNo: 109245			
Client ID: PBS		Batch ID: E09VS140		TestNo: EPA 8015B				Analysis Date: 5/21/2009		SeqNo: 1715735			
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C4-C12		ND		1.0									
Surr: Bromofluorobenzene (FID)		102.468		100.0		102		59	145				

Sample ID: 105210-019EDUP	SampType: DUP	TestCode: HC_S_VOAC	Units: mg/Kg	Prep Date: 4/23/2009	RunNo: 109245						
Client ID: 1001-116-30-S	Batch ID: E09VS140	TestNo: EPA 8015B		Analysis Date: 5/21/2009	SeqNo: 1715737						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C4-C12	ND	1.2						0	0	20	H

Qualifiers:

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DO	Surrogate Diluted Out		Calculations are based on raw values		



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CLIENT: Ninyo & Moore
Work Order: 105210
Project: 207126015

ANALYTICAL QC SUMMARY REPORT

TestCode: HC_S_VOAC4C12P

Sample ID: 105210-019EDUP	SampType: DUP	TestCode: HC_S_VOAC	Units: mg/Kg	Prep Date: 4/23/2009	RunNo: 109245						
Client ID: 1001-116-30-S	Batch ID: E09VS140	TestNo: EPA 8015B		Analysis Date: 5/21/2009	SeqNo: 1715737						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Bromofluorobenzene (FID)	107.921		118.2		91.3	59	145		0	0	H

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
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DO	Surrogate Diluted Out		Calculations are based on raw values		



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CLIENT: Ninyo & Moore

Work Order: 105210

Project: 207126015

ANALYTICAL QC SUMMARY REPORT

BatchID: 55474

Sample ID: LCS-55474	SampType: LCS	TestCode: 8015_S_DM	Units: mg/Kg	Prep Date: 5/21/2009	RunNo: 109275						
Client ID: LCSS	Batch ID: 55474	TestNo: EPA 8015B(M LUFT	Analysis Date: 5/22/2009	SeqNo: 1716215							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	1023.510	10	1000	0	102	81	128				
Surr: p-Terphenyl	81.380		80.00		102	57	144				

Sample ID: 105210-006GMS	SampType: MS	TestCode: 8015_S_DM	Units: mg/Kg	Prep Date: 5/21/2009	RunNo: 109275						
Client ID: 1001-115-30-S	Batch ID: 55474	TestNo: EPA 8015B(M LUFT	Analysis Date: 5/22/2009	SeqNo: 1716217							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	1031.380	10	1000	0	103	58	145				H
Surr: p-Terphenyl	92.480		80.00		116	57	144				H

Sample ID: 105210-006GMSD	SampType: MSD	TestCode: 8015_S_DM	Units: mg/Kg	Prep Date: 5/21/2009	RunNo: 109275						
Client ID: 1001-115-30-S	Batch ID: 55474	TestNo: EPA 8015B(M LUFT	Analysis Date: 5/22/2009	SeqNo: 1716218							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	940.480	10	1000	0	94.0	58	145	1031	9.22	20	H
Surr: p-Terphenyl	90.480		80.00		113	57	144		0	0	H

Qualifiers:

B Analyte detected in the associated Method Blank

ND Not Detected at the Reporting Limit

DO Surrogate Diluted Out

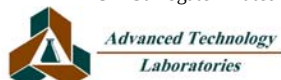
E Value above quantitation range

R RPD outside accepted recovery limits

Calculations are based on raw values

H Holding times for preparation or analysis exceeded

S Spike/Surrogate outside of limits due to matrix interference



CLIENT: Ninyo & Moore

Work Order: 105210

Project: 207126015

ANALYTICAL QC SUMMARY REPORT

BatchID: 55478

Sample ID: LCS-55478	SampType: LCS	TestCode: 8015_S_DM	Units: mg/Kg	Prep Date: 5/21/2009	RunNo: 109273						
Client ID: LCSS	Batch ID: 55478	TestNo: EPA 8015B(M LUFT	Analysis Date: 5/22/2009	SeqNo: 1716147							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	1036.770	10	1000	0	104	81	128				
Surr: p-Terphenyl	81.080		80.00		101	57	144				

Sample ID: 105210-030GMS	SampType: MS	TestCode: 8015_S_DM	Units: mg/Kg	Prep Date: 5/21/2009	RunNo: 109273						
Client ID: 1001-118-40D-S	Batch ID: 55478	TestNo: EPA 8015B(M LUFT	Analysis Date: 5/22/2009	SeqNo: 1716148							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	1009.190	10	1000	0	101	58	145				H
Surr: p-Terphenyl	80.240		80.00		100	57	144				H

Sample ID: 105210-030GMSD	SampType: MSD	TestCode: 8015_S_DM	Units: mg/Kg	Prep Date: 5/21/2009	RunNo: 109273						
Client ID: 1001-118-40D-S	Batch ID: 55478	TestNo: EPA 8015B(M LUFT	Analysis Date: 5/22/2009	SeqNo: 1716149							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	1015.720	10	1000	0	102	58	145	1009	0.645	20	H
Surr: p-Terphenyl	80.730		80.00		101	57	144		0	0	H

Qualifiers:

B Analyte detected in the associated Method Blank

ND Not Detected at the Reporting Limit

DO Surrogate Diluted Out

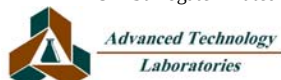
E Value above quantitation range

R RPD outside accepted recovery limits

Calculations are based on raw values

H Holding times for preparation or analysis exceeded

S Spike/Surrogate outside of limits due to matrix interference





Jones Environmental, Inc.

Testing Laboratories

**P.O. Box 5387 • Fullerton, CA 92838
(714) 449-9937 • FAX (714) 4499685**

JONES ENVIRONMENTAL

LABORATORY REPORT

Client:	Ninyo & Moore, Inc.	Report Date:	04/21/09
Client Address:	475 Goddard, Suite 200 Irvine, CA 92618	JEL Ref. No.:	C-1511
		Client Ref. No.:	TO-15
Attn:	Nancy Anglin	Date Sampled:	04/21/09
		Date Received:	04/21/09
Project	Cal Trans TO-15	Date Analyzed:	04/21/09
Project Address:	777 N. Front Street., Burbank, CA	Physical State:	Soil Gas

ANALYSES REQUESTED

1. EPA 8260B- Volatile Organics by GC/MS + Oxygenates
1. EPA 8260B- Volatile Hydrocarbons as Gasoline by GC/MS

Sampling – Soil Gas samples are collected in glass gas-tight syringes equipped with Teflon plungers. Tubing placed in the ground for soil gas sampling is purged three different times as recommended by DTSC/RWQCB regulations. This purge test determines how many purges of the soil gas tubing are needed throughout the project. One, three and seven purge volumes were analyzed to make this determination.

A tracer gas, n-Propanol, was placed at the tubing-surface interface before sampling. This compound is analyzed during the 8260B analytical run to determine if there are surface leaks into the subsurface due to improper installation of the probe. No n-Propanol was found in any of the samples reported herein.

The sampling rate was approximately 200 cc/min except when noted differently on the chain of custody record using a gas tight syringe. 7 purge volumes were used since this purging level gave the highest results for the compound(s) of greatest interest.

Analytical – Soil Gas samples were analyzed using EPA Method 8260 that includes extra compounds required by DTSC/RWQCB (such as Freon 113). Instrument Continuing Calibration Verification, QC Reference Standards, Instrument Blanks and Ambient Air Blanks are analyzed every 12 hours as prescribed by the method. In addition, Matrix Spike (MS) and Matrix Spike Duplicates (MSD) are analyzed with each batch of Soil Gas samples. A duplicate sample is analyzed each day of the sampling activity.

All samples were analyzed within 30 minutes of sampling.

Approval:

Steve Jones, Ph.D.
Laboratory Manager



Jones Environmental, Inc.

Testing Laboratories

P.O. Box 5387 • Fullerton, CA 92838
(714) 449-9937 • FAX (714) 4499685

JONES ENVIRONMENTAL

LABORATORY RESULTS

Client: Ninyo & Moore, Inc.
Client Address: 475 Goddard, Suite 200
Irvine, CA 92618

Report Date: 04/21/09
JEL Ref. No.: C-1511
Client Ref. No.: TO-15

Attn: Nancy Anglin

Date Sampled: 04/21/09

Project Cal Trans TO-15

Date Received: 04/21/09

Project Address: 777 N. Front Street., Burbank, CA

Date Analyzed: 04/21/09

Physical State: Soil Gas

EPA 8260B- Volatile Organics by GC/MS + Oxygenates/

Volatile Hydrocarbons as Gasoline

<u>Sample ID:</u>	<u>1001-101-</u> <u>5</u> <u>SG</u> <u>1P</u>	<u>1001-101-</u> <u>5</u> <u>SG</u> <u>3P</u>	<u>1001-101-</u> <u>5</u> <u>SG</u> <u>7P</u>	<u>1001-101-</u> <u>15</u> <u>SG</u>	<u>1001-102-</u> <u>5</u> <u>SG</u>	<u>Practical</u> <u>Quantitation</u> <u>Limits</u>	<u>Units</u>
Analytes:							
Benzene	ND	ND	ND	ND	ND	20	ug/M ³
Bromobenzene	ND	ND	ND	ND	ND	20	ug/M ³
Bromodichloromethane	ND	ND	ND	ND	ND	20	ug/M ³
Bromoform	ND	ND	ND	ND	ND	20	ug/M ³
n-Butylbenzene	ND	ND	ND	ND	ND	20	ug/M ³
sec-Butylbenzene	ND	ND	ND	ND	ND	20	ug/M ³
tert-Butylbenzene	ND	ND	ND	ND	ND	20	ug/M ³
Carbon tetrachloride	ND	ND	ND	ND	ND	20	ug/M ³
Chlorobenzene	ND	ND	ND	ND	ND	20	ug/M ³
Chloroethane	ND	ND	ND	ND	ND	20	ug/M ³
Chloroform	ND	ND	ND	ND	ND	20	ug/M ³
Chloromethane	ND	ND	ND	ND	ND	20	ug/M ³
2-Chlorotoluene	ND	ND	ND	ND	ND	20	ug/M ³
4-Chlorotoluene	ND	ND	ND	ND	ND	20	ug/M ³
Dibromochloromethane	ND	ND	ND	ND	ND	20	ug/M ³
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	20	ug/M ³
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	ND	20	ug/M ³
Dibromomethane	ND	ND	ND	ND	ND	20	ug/M ³
1,2- Dichlorobenzene	ND	ND	ND	ND	ND	20	ug/M ³
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	20	ug/M ³
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	20	ug/M ³
Dichlorodifluoromethane	ND	ND	ND	ND	ND	20	ug/M ³
1,1-Dichloroethane	ND	ND	ND	ND	ND	20	ug/M ³
1,2-Dichloroethane	ND	ND	ND	ND	ND	20	ug/M ³
1,1-Dichloroethene	ND	ND	ND	ND	ND	20	ug/M ³

ND = Not Detected



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Project Cal Trans TO-15
Project Address: 777 N. Front Street., Burbank, CA

Report Date: 04/21/09
JEL Ref. No.: C-1511
Client Ref. No.: TO-15

Date Sampled: 04/21/09
Date Received: 04/21/09
Date Analyzed: 04/21/09
Physical State: Soil Gas

EPA 8260B- Volatile Organics by GC/MS + Oxygenates/

Volatile Hydrocarbons as Gasoline

<u>Sample ID:</u>	<u>1001-101-</u> <u>5</u> <u>SG</u> <u>1P</u>	<u>1001-101-</u> <u>5</u> <u>SG</u> <u>3P</u>	<u>1001-101-</u> <u>5</u> <u>SG</u> <u>7P</u>	<u>1001-</u> <u>101-</u> <u>15</u> <u>SG</u>	<u>1001-102-</u> <u>5</u> <u>SG</u>	<u>Practical</u> <u>Quantitation</u> <u>Limits</u>	<u>Units</u>
Analytes:							
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	20	ug/M ³
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	20	ug/M ³
1,2-Dichloropropane	ND	ND	ND	ND	ND	20	ug/M ³
1,3-Dichloropropane	ND	ND	ND	ND	ND	20	ug/M ³
2,2-Dichloropropane	ND	ND	ND	ND	ND	20	ug/M ³
1,1-Dichloropropene	ND	ND	ND	ND	ND	20	ug/M ³
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	20	ug/M ³
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	20	ug/M ³
Ethylbenzene	ND	ND	ND	ND	ND	20	ug/M ³
Freon 113	ND	ND	ND	ND	ND	20	ug/M ³
Hexachlorobutadiene	ND	ND	ND	ND	ND	20	ug/M ³
Isopropylbenzene	ND	ND	ND	ND	ND	20	ug/M ³
4-Isopropyltoluene	ND	ND	ND	ND	ND	20	ug/M ³
Methylene chloride	ND	ND	ND	ND	ND	20	ug/M ³
Naphthalene	ND	ND	ND	ND	ND	20	ug/M ³
n-Propylbenzene	ND	ND	ND	ND	ND	20	ug/M ³
Styrene	ND	ND	ND	ND	ND	20	ug/M ³
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	20	ug/M ³
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	20	ug/M ³
Tetrachloroethylene	15900	16100	16200	36500	4820	20	ug/M ³
Toluene	41	27	23	42	ND	20	ug/M ³
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	20	ug/M ³
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	20	ug/M ³
1,1,1-Trichloroethane	104	ND	ND	ND	ND	20	ug/M ³
1,1,2-Trichloroethane	235	ND	ND	ND	ND	20	ug/M ³
Trichloroethylene	ND	ND	ND	ND	ND	20	ug/M ³

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Attn: Nancy Anglin

Date Sampled: 04/21/09
Date Received: 04/21/09
Date Analyzed: 04/21/09
Physical State: Soil Gas

Project Cal Trans TO-15
Project Address: 777 N. Front Street., Burbank, CA

EPA 8260B- Volatile Organics by GC/MS + Oxygenates/ Volatile Hydrocarbons as Gasoline

<u>Sample ID:</u>	<u>1001-101- 5 SG 1P</u>	<u>1001-101- 5 SG 3P</u>	<u>1001-101- 5 SG 7P</u>	<u>1001-101- 15 SG</u>	<u>1001-102- 5 SG</u>	<u>Practical Quantitation Limits</u>	<u>Units</u>
Analytes:							
Trichlorofluoromethane	ND	ND	ND	ND	ND	20	ug/M ³
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	20	ug/M ³
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	20	ug/M ³
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	20	ug/M ³
Vinyl chloride	ND	ND	ND	ND	ND	20	ug/M ³
Xylenes	ND	ND	ND	ND	ND	20	ug/M ³
MTBE	ND	ND	ND	ND	ND	20	ug/M ³
Ethyl-tert-butylether	ND	ND	ND	ND	ND	20	ug/M ³
Di-isopropylether	ND	ND	ND	ND	ND	20	ug/M ³
tert-amylmethylether	ND	ND	ND	ND	ND	20	ug/M ³
tert-Butylalcohol	ND	ND	ND	ND	ND	100	ug/M ³
Gasoline	ND	ND	ND	ND	ND	200	ug/M ³
TIC							
n-Propanol	ND	ND	ND	ND	ND	20	ug/M ³
Dilution Factor	1	1	1	1	1		
Surrogate Recovery :						QC Limits	
Dibromofluoromethane	101%	101%	100%	102%	102%	60 - 140	
Toluene-d ₈	107%	106%	103%	101%	104%	60 - 140	
4-Bromofluorobenzene	100%	101%	99%	98%	107%	60 - 140	

ND = Not Detected



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Project Cal Trans TO-15
Project Address: 777 N. Front Street., Burbank, CA

Report Date: 04/21/09
JEL Ref. No.: C-1511
Client Ref. No.: TO-15

Date Sampled: 04/21/09
Date Received: 04/21/09
Date Analyzed: 04/21/09
Physical State: Soil Gas

EPA 8260B- Volatile Organics by GC/MS + Oxygenates/

Volatile Hydrocarbons as Gasoline

<u>Sample ID:</u>	<u>1001-102-</u> <u>15</u> <u>SG</u>	<u>1001-112-</u> <u>5</u> <u>SG</u>	<u>1001-112-</u> <u>15</u> <u>SG</u>	<u>1001-103-</u> <u>5</u> <u>SG</u>	<u>1001-103-</u> <u>15</u> <u>SG</u>	<u>Practical</u> <u>Quantitation</u> <u>Limits</u>	<u>Units</u>
Analytes:							
Benzene	ND	ND	ND	ND	ND	20	ug/M ³
Bromobenzene	ND	ND	ND	ND	ND	20	ug/M ³
Bromodichloromethane	ND	ND	ND	ND	ND	20	ug/M ³
Bromoform	ND	ND	ND	ND	ND	20	ug/M ³
n-Butylbenzene	ND	ND	ND	ND	ND	20	ug/M ³
sec-Butylbenzene	ND	ND	ND	ND	ND	20	ug/M ³
tert-Butylbenzene	ND	ND	ND	ND	ND	20	ug/M ³
Carbon tetrachloride	ND	ND	ND	ND	ND	20	ug/M ³
Chlorobenzene	ND	ND	ND	ND	ND	20	ug/M ³
Chloroethane	ND	ND	ND	ND	ND	20	ug/M ³
Chloroform	ND	ND	ND	ND	ND	20	ug/M ³
Chloromethane	ND	ND	ND	ND	ND	20	ug/M ³
2-Chlorotoluene	ND	ND	ND	ND	ND	20	ug/M ³
4-Chlorotoluene	ND	ND	ND	ND	ND	20	ug/M ³
Dibromochloromethane	ND	ND	ND	ND	ND	20	ug/M ³
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	20	ug/M ³
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	ND	20	ug/M ³
Dibromomethane	ND	ND	ND	ND	ND	20	ug/M ³
1,2- Dichlorobenzene	ND	ND	ND	ND	ND	20	ug/M ³
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	20	ug/M ³
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	20	ug/M ³
Dichlorodifluoromethane	ND	ND	ND	ND	ND	20	ug/M ³
1,1-Dichloroethane	ND	ND	ND	ND	ND	20	ug/M ³
1,2-Dichloroethane	ND	ND	ND	ND	ND	20	ug/M ³
1,1-Dichloroethene	ND	ND	ND	ND	ND	20	ug/M ³

ND = Not Detected



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Attn: Nancy Anglin

Date Sampled: 04/21/09
Date Received: 04/21/09
Date Analyzed: 04/21/09
Physical State: Soil Gas

Project Cal Trans TO-15
Project Address: 777 N. Front Street., Burbank, CA

EPA 8260B- Volatile Organics by GC/MS + Oxygenates/

Volatile Hydrocarbons as Gasoline

<u>Sample ID:</u>	<u>1001-102-</u> <u>15</u> <u>SG</u>	<u>1001-112-</u> <u>5</u> <u>SG</u>	<u>1001-112-</u> <u>15</u> <u>SG</u>	<u>1001-</u> <u>103-</u> <u>5</u> <u>SG</u>	<u>1001-103-</u> <u>15</u> <u>SG</u>	<u>Practical</u> <u>Quantitation</u> <u>Limits</u>	<u>Units</u>
Analytes:							
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	20	ug/M ³
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	20	ug/M ³
1,2-Dichloropropane	ND	ND	ND	ND	ND	20	ug/M ³
1,3-Dichloropropane	ND	ND	ND	ND	ND	20	ug/M ³
2,2-Dichloropropane	ND	ND	ND	ND	ND	20	ug/M ³
1,1-Dichloropropene	ND	ND	ND	ND	ND	20	ug/M ³
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	20	ug/M ³
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	20	ug/M ³
Ethylbenzene	ND	ND	ND	ND	ND	20	ug/M ³
Freon 113	ND	ND	ND	ND	ND	20	ug/M ³
Hexachlorobutadiene	ND	ND	ND	ND	ND	20	ug/M ³
Isopropylbenzene	ND	ND	ND	ND	ND	20	ug/M ³
4-Isopropyltoluene	ND	ND	ND	ND	ND	20	ug/M ³
Methylene chloride	ND	ND	ND	ND	ND	20	ug/M ³
Naphthalene	ND	ND	ND	ND	ND	20	ug/M ³
n-Propylbenzene	ND	ND	ND	ND	ND	20	ug/M ³
Styrene	ND	ND	ND	ND	ND	20	ug/M ³
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	20	ug/M ³
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	20	ug/M ³
Tetrachloroethylene	4370	869	28200	32700	52400*	20	ug/M ³
Toluene	325	ND	64	235	45	20	ug/M ³
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	20	ug/M ³
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	20	ug/M ³
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	20	ug/M ³
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	20	ug/M ³
Trichloroethylene	ND	ND	ND	338	130	20	ug/M ³

ND = Not Detected



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Attn: Nancy Anglin

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Date Analyzed: 04/21/09
Physical State: Soil Gas

Project Cal Trans TO-15
Project Address: 777 N. Front Street., Burbank, CA

EPA 8260B- Volatile Organics by GC/MS + Oxygenates/

Volatile Hydrocarbons as Gasoline

<u>Sample ID:</u>	<u>1001-102-</u> <u>15</u> <u>SG</u>	<u>1001-112-</u> <u>5</u> <u>SG</u>	<u>1001-112-</u> <u>15</u> <u>SG</u>	<u>1001-103-</u> <u>5</u> <u>SG</u>	<u>1001-103-</u> <u>15</u> <u>SG</u>	<u>Practical</u> <u>Quantitation</u> <u>Limits</u>	<u>Units</u>
Analytes:							
Trichlorofluoromethane	ND	ND	ND	ND	ND	20	ug/M ³
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	20	ug/M ³
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	20	ug/M ³
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	20	ug/M ³
Vinyl chloride	ND	ND	ND	ND	ND	20	ug/M ³
Xylenes	ND	ND	ND	ND	ND	20	ug/M ³
MTBE	ND	ND	ND	ND	ND	20	ug/M ³
Ethyl-tert-butylether	ND	ND	ND	ND	ND	20	ug/M ³
Di-isopropylether	ND	ND	ND	ND	ND	20	ug/M ³
tert-amylmethylether	ND	ND	ND	ND	ND	20	ug/M ³
tert-Butylalcohol	ND	ND	ND	ND	ND	100	ug/M ³
Gasoline	ND	ND	ND	ND	ND	200	ug/M ³
TIC							
n-Propanol	ND	ND	ND	ND	ND	20	ug/M ³
Dilution Factor	1	1	1	1	1/4*		
Surrogate Recovery :						QC Limits	
Dibromofluoromethane	99%	99%	100%	103%	100%	60 - 140	
Toluene-d ₈	104%	106%	105%	104%	104%	60 - 140	
4-Bromofluorobenzene	101%	104%	106%	107%	106%	60 - 140	

ND = Not Detected

* = Dilutions for these compound(s); first number of all others



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Date Received: 04/21/09
Date Analyzed: 04/21/09
Physical State: Soil Gas

EPA 8260B- Volatile Organics by GC/MS + Oxygenates/

Volatile Hydrocarbons as Gasoline

<u>Sample ID:</u>	<u>1001-104-</u> <u>5</u> <u>SG</u>	<u>1001-104-</u> <u>15</u> <u>SG</u>	<u>1001-105-</u> <u>5</u> <u>SG</u>	<u>1001-105-</u> <u>15</u> <u>SG</u>	<u>1001-111-</u> <u>5</u> <u>SG</u>	<u>Practical</u> <u>Quantitation</u> <u>Limits</u>	<u>Units</u>
Analytes:							
Benzene	ND	ND	ND	ND	ND	20	ug/M ³
Bromobenzene	ND	ND	ND	ND	ND	20	ug/M ³
Bromodichloromethane	ND	ND	ND	ND	ND	20	ug/M ³
Bromoform	ND	ND	ND	ND	ND	20	ug/M ³
n-Butylbenzene	ND	ND	ND	ND	ND	20	ug/M ³
sec-Butylbenzene	ND	ND	ND	ND	ND	20	ug/M ³
tert-Butylbenzene	ND	ND	ND	ND	ND	20	ug/M ³
Carbon tetrachloride	ND	ND	ND	ND	ND	20	ug/M ³
Chlorobenzene	ND	ND	ND	ND	ND	20	ug/M ³
Chloroethane	ND	ND	ND	ND	ND	20	ug/M ³
Chloroform	ND	ND	ND	ND	ND	20	ug/M ³
Chloromethane	ND	ND	ND	ND	ND	20	ug/M ³
2-Chlorotoluene	ND	ND	ND	ND	ND	20	ug/M ³
4-Chlorotoluene	ND	ND	ND	ND	ND	20	ug/M ³
Dibromochloromethane	ND	ND	ND	ND	ND	20	ug/M ³
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	20	ug/M ³
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	ND	20	ug/M ³
Dibromomethane	ND	ND	ND	ND	ND	20	ug/M ³
1,2- Dichlorobenzene	ND	ND	ND	ND	ND	20	ug/M ³
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	20	ug/M ³
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	20	ug/M ³
Dichlorodifluoromethane	ND	ND	ND	ND	ND	20	ug/M ³
1,1-Dichloroethane	ND	ND	ND	ND	ND	20	ug/M ³
1,2-Dichloroethane	ND	ND	ND	ND	ND	20	ug/M ³
1,1-Dichloroethene	ND	ND	ND	ND	ND	20	ug/M ³

ND = Not Detected



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Physical State: Soil Gas

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Project Address: 777 N. Front Street., Burbank, CA

EPA 8260B- Volatile Organics by GC/MS + Oxygenates/

Volatile Hydrocarbons as Gasoline

<u>Sample ID:</u>	<u>1001-104-</u> <u>5</u> <u>SG</u>	<u>1001-104-</u> <u>15</u> <u>SG</u>	<u>1001-105-</u> <u>5</u> <u>SG</u>	<u>1001-</u> <u>105-</u> <u>15</u> <u>SG</u>	<u>1001-111-</u> <u>5</u> <u>SG</u>	<u>Practical</u> <u>Quantitation</u> <u>Limits</u>	<u>Units</u>
Analytes:							
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	20	ug/M ³
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	20	ug/M ³
1,2-Dichloropropane	ND	ND	ND	ND	ND	20	ug/M ³
1,3-Dichloropropane	ND	ND	ND	ND	ND	20	ug/M ³
2,2-Dichloropropane	ND	ND	ND	ND	ND	20	ug/M ³
1,1-Dichloropropene	ND	ND	ND	ND	ND	20	ug/M ³
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	20	ug/M ³
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	20	ug/M ³
Ethylbenzene	ND	ND	ND	ND	ND	20	ug/M ³
Freon 113	ND	ND	ND	ND	ND	20	ug/M ³
Hexachlorobutadiene	ND	ND	ND	ND	ND	20	ug/M ³
Isopropylbenzene	ND	ND	ND	ND	ND	20	ug/M ³
4-Isopropyltoluene	ND	ND	ND	ND	ND	20	ug/M ³
Methylene chloride	ND	ND	ND	ND	ND	20	ug/M ³
Naphthalene	ND	ND	ND	ND	ND	20	ug/M ³
n-Propylbenzene	ND	ND	ND	ND	ND	20	ug/M ³
Styrene	ND	ND	ND	ND	ND	20	ug/M ³
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	20	ug/M ³
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	20	ug/M ³
Tetrachloroethylene	4590	10800	783	1760	2730	20	ug/M ³
Toluene	ND	ND	25	65	334	20	ug/M ³
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	20	ug/M ³
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	20	ug/M ³
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	20	ug/M ³
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	20	ug/M ³
Trichloroethylene	52	60	ND	ND	ND	20	ug/M ³

ND = Not Detected



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Testing Laboratories

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JONES ENVIRONMENTAL

LABORATORY RESULTS

Client: Ninyo & Moore, Inc.
Client Address: 475 Goddard, Suite 200
Irvine, CA 92618

Report Date: 04/21/09
JEL Ref. No.: C-1511
Client Ref. No.: TO-15

Attn: Nancy Anglin

Date Sampled: 04/21/09
Date Received: 04/21/09
Date Analyzed: 04/21/09
Physical State: Soil Gas

Project Cal Trans TO-15
Project Address: 777 N. Front Street., Burbank, CA

EPA 8260B- Volatile Organics by GC/MS + Oxygenates/

Volatile Hydrocarbons as Gasoline

<u>Sample ID:</u>	<u>1001-104-</u> <u>5</u> <u>SG</u>	<u>1001-104-</u> <u>15</u> <u>SG</u>	<u>1001-105-</u> <u>5</u> <u>SG</u>	<u>1001-105-</u> <u>15</u> <u>SG</u>	<u>1001-111-</u> <u>5</u> <u>SG</u>	<u>Practical</u> <u>Quantitation</u> <u>Limits</u>	<u>Units</u>
Analytes:							
Trichlorofluoromethane	ND	ND	ND	ND	ND	20	ug/M ³
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	20	ug/M ³
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	20	ug/M ³
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	20	ug/M ³
Vinyl chloride	ND	ND	ND	ND	ND	20	ug/M ³
Xylenes	ND	ND	ND	ND	ND	20	ug/M ³
MTBE	ND	ND	ND	ND	ND	20	ug/M ³
Ethyl-tert-butylether	ND	ND	ND	ND	ND	20	ug/M ³
Di-isopropylether	ND	ND	ND	ND	ND	20	ug/M ³
tert-amylmethylether	ND	ND	ND	ND	ND	20	ug/M ³
tert-Butylalcohol	ND	ND	ND	ND	ND	100	ug/M ³
Gasoline	ND	ND	ND	ND	ND	200	ug/M ³
TIC							
n-Propanol	ND	ND	ND	ND	ND	20	ug/M ³
Dilution Factor	1	1	1	1	1		
Surrogate Recovery :						QC Limits	
Dibromofluoromethane	102%	104%	103%	104%	100%	60 - 140	
Toluene-d ₈	104%	104%	104%	104%	103%	60 - 140	
4-Bromofluorobenzene	105%	103%	99%	97%	98%	60 - 140	

ND = Not Detected



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JONES ENVIRONMENTAL

LABORATORY RESULTS

Client: Ninyo & Moore, Inc.
Client Address: 475 Goddard, Suite 200
Irvine, CA 92618

Attn: Nancy Anglin

Project Cal Trans TO-15
Project Address: 777 N. Front Street., Burbank, CA

Report Date: 04/21/09
JEL Ref. No.: C-1511
Client Ref. No.: TO-15

Date Sampled: 04/21/09
Date Received: 04/21/09
Date Analyzed: 04/21/09
Physical State: Soil Gas

EPA 8260B- Volatile Organics by GC/MS + Oxygenates/ Volatile Hydrocarbons as Gasoline

<u>Sample ID:</u>	<u>1001-111-</u> <u>15</u> <u>SG</u>	<u>1001-104-</u> <u>5</u> <u>SG</u> <u>DUP</u>	<u>Practical</u> <u>Quantitation</u> <u>Limits</u>	<u>Units</u>
Analytes:				
Benzene	ND	ND	20	ug/M ³
Bromobenzene	ND	ND	20	ug/M ³
Bromodichloromethane	ND	ND	20	ug/M ³
Bromoform	ND	ND	20	ug/M ³
n-Butylbenzene	ND	ND	20	ug/M ³
sec-Butylbenzene	ND	ND	20	ug/M ³
tert-Butylbenzene	ND	ND	20	ug/M ³
Carbon tetrachloride	ND	ND	20	ug/M ³
Chlorobenzene	ND	ND	20	ug/M ³
Chloroethane	ND	ND	20	ug/M ³
Chloroform	ND	ND	20	ug/M ³
Chloromethane	ND	ND	20	ug/M ³
2-Chlorotoluene	ND	ND	20	ug/M ³
4-Chlorotoluene	ND	ND	20	ug/M ³
Dibromochloromethane	ND	ND	20	ug/M ³
1,2-Dibromo-3-chloropropane	ND	ND	20	ug/M ³
1,2-Dibromoethane (EDB)	ND	ND	20	ug/M ³
Dibromomethane	ND	ND	20	ug/M ³
1,2- Dichlorobenzene	ND	ND	20	ug/M ³
1,3-Dichlorobenzene	ND	ND	20	ug/M ³
1,4-Dichlorobenzene	ND	ND	20	ug/M ³
Dichlorodifluoromethane	ND	ND	20	ug/M ³
1,1-Dichloroethane	ND	ND	20	ug/M ³
1,2-Dichloroethane	ND	ND	20	ug/M ³
1,1-Dichloroethene	ND	ND	20	ug/M ³

ND = Not Detected



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JONES ENVIRONMENTAL

LABORATORY RESULTS

Client: Ninyo & Moore, Inc.
Client Address: 475 Goddard, Suite 200
Irvine, CA 92618

Attn: Nancy Anglin

Project Cal Trans TO-15
Project Address: 777 N. Front Street., Burbank, CA

Report Date: 04/21/09
JEL Ref. No.: C-1511
Client Ref. No.: TO-15

Date Sampled: 04/21/09
Date Received: 04/21/09
Date Analyzed: 04/21/09
Physical State: Soil Gas

EPA 8260B- Volatile Organics by GC/MS + Oxygenates/ Volatile Hydrocarbons as Gasoline

<u>Sample ID:</u>	<u>1001-111- 15 SG</u>	<u>1001-104- 5 SG DUP</u>	<u>Practical Quantitation Limits</u>	<u>Units</u>
Analytes:				
cis-1,2-Dichloroethene	ND	ND	20	ug/M ³
trans-1,2-Dichloroethene	ND	ND	20	ug/M ³
1,2-Dichloropropane	ND	ND	20	ug/M ³
1,3-Dichloropropane	ND	ND	20	ug/M ³
2,2-Dichloropropane	ND	ND	20	ug/M ³
1,1-Dichloropropene	ND	ND	20	ug/M ³
cis-1,3-Dichloropropene	ND	ND	20	ug/M ³
trans-1,3-Dichloropropene	ND	ND	20	ug/M ³
Ethylbenzene	ND	ND	20	ug/M ³
Freon 113	ND	ND	20	ug/M ³
Hexachlorobutadiene	ND	ND	20	ug/M ³
Isopropylbenzene	ND	ND	20	ug/M ³
4-Isopropyltoluene	ND	ND	20	ug/M ³
Methylene chloride	ND	ND	20	ug/M ³
Naphthalene	ND	ND	20	ug/M ³
n-Propylbenzene	ND	ND	20	ug/M ³
Styrene	ND	ND	20	ug/M ³
1,1,1,2-Tetrachloroethane	ND	ND	20	ug/M ³
1,1,2,2-Tetrachloroethane	ND	ND	20	ug/M ³
Tetrachloroethylene	3380	4190	20	ug/M ³
Toluene	529	ND	20	ug/M ³
1,2,3-Trichlorobenzene	ND	ND	20	ug/M ³
1,2,4-Trichlorobenzene	ND	ND	20	ug/M ³
1,1,1-Trichloroethane	ND	ND	20	ug/M ³
1,1,2-Trichloroethane	ND	ND	20	ug/M ³
Trichloroethylene	ND	50	20	ug/M ³

ND = Not Detected



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JONES ENVIRONMENTAL

LABORATORY RESULTS

Client:	Ninyo & Moore, Inc.	Report Date:	04/21/09
Client Address:	475 Goddard, Suite 200 Irvine, CA 92618	JEL Ref. No.:	C-1511
		Client Ref. No.:	TO-15
Attn:	Nancy Anglin	Date Sampled:	04/21/09
		Date Received:	04/21/09
Project	Cal Trans TO-15	Date Analyzed:	04/21/09
Project Address:	777 N. Front Street., Burbank, CA	Physical State:	Soil Gas

EPA 8260B- Volatile Organics by GC/MS + Oxygenates/ Volatile Hydrocarbons as Gasoline

<u>Sample ID:</u>	<u>1001-111- 15 SG</u>	<u>1001-104- 5 SG DUP</u>	<u>Practical Quantitation Limits</u>	<u>Units</u>
Analytes:				
Trichlorofluoromethane	ND	ND	20	ug/M ³
1,2,3-Trichloropropane	ND	ND	20	ug/M ³
1,2,4-Trimethylbenzene	ND	ND	20	ug/M ³
1,3,5-Trimethylbenzene	ND	ND	20	ug/M ³
Vinyl chloride	ND	ND	20	ug/M ³
Xylenes	ND	ND	20	ug/M ³
MTBE	ND	ND	20	ug/M ³
Ethyl-tert-butylether	ND	ND	20	ug/M ³
Di-isopropylether	ND	ND	20	ug/M ³
tert-amylmethylether	ND	ND	20	ug/M ³
tert-Butylalcohol	ND	ND	100	ug/M ³
Gasoline	ND	ND	200	ug/M ³
TIC				
n-Propanol	ND	ND	20	ug/M ³
Dilution Factor	1	1		
Surrogate Recovery :			QC Limits	
Dibromofluoromethane	97%	96%	60 - 140	
Toluene-d ₈	104%	103%	60 - 140	
4-Bromofluorobenzene	98%	101%	60 - 140	

ND = Not Detected



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QUALITY CONTROL INFORMATION

Client:	Ninyo & Moore, Inc.	Report Date:	04/21/09
Client Address:	475 Goddard, Suite 200	JEL Ref. No.:	C-1511
	Irvine, CA 92618	Client Ref. No.:	TO-15
Attn:	Nancy Anglin	Date Sampled:	04/21/09
		Date Received:	04/21/09
Project	Cal Trans TO-15	Date Analyzed:	04/21/09
Project Address:	777 N. Front Street., Burbank, CA	Physical State:	Soil Gas

**EPA 8260B- Volatile Organics by GC/MS + Oxygenates/
Volatile Hydrocarbons as Gasoline**

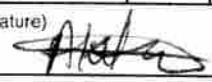
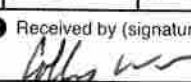
Sample Spiked: AMBIENT AIR

<u>Parameter</u>	<u>MS Recovery (%)</u>	<u>MSD Recovery (%)</u>	<u>RPD</u>	<u>Acceptability Range (%)</u>
1,1-Dichloroethylene	147%	149%	1.5%	60 - 140
Benzene	116%	118%	1.9%	60 - 140
Trichloroethylene	96%	98%	1.6%	60 - 140
Toluene	103%	100%	2.1%	60 - 140
Chlorobenzene	103%	99%	4.3%	60 - 140
Gasoline	113%	113%	0.1%	60 - 140

Method Blank = Not Detected

MS = Matrix Spike
MSD = Matrix Spike Duplicate
RPD = Relative Percent Difference

Chain-of-Custody Record

Client N+M			Date 4/21/2009		<div style="display: flex; justify-content: space-between;"> <div> Analysis Requested <div style="border: 1px solid black; padding: 5px; transform: rotate(-45deg); display: inline-block;"> SOIL GAS Purge Vol: ☐ 1P ☐ 3P ☒ 7P Tracer: 0-Prop Purge Rate: 200 cc/min </div> </div> <div> Sample Matrix: Soil (S), Sludge (SL), Aqueous (A), Soil Gas (SG) 2A60B Full VCP+PH </div> </div>													
Project Name CAL TRANS			Client Project #															
Project Address 777 N FRONT ST.			Turn Around Requested:															
Project Contact BURBANK, CA 91502			☐ Immediate Attention ☐ Rush 24-48 Hours ☐ Rush 72-96 Hours ☐ Normal ☒ Mobile Lab															
Project Contact TOMMY					<div style="display: flex; justify-content: space-between;"> <div> JEL Project # C-1511 Page 1 of 2 Lab Use Only Sample Condition as Received: Chilled ☐ yes ☒ no Sealed ☒ yes ☐ no </div> </div>													
Sample ID	Purge Volume	Discussion	Date	Time	Laboratory Sample Number	Sample Matrix: Soil (S), Sludge (SL), Aqueous (A), Soil Gas (SG)	1	2	3	4	5	6	7	8	9	10	Number of Containers	Remarks/Special Instructions
1001-101-5-SG-1P			4/21/09	07:50	C-1511-1	SG	x										1	
1001-101-5-SG-3P			4/21/09	08:01	C-1511-2	SG	x										1	
1001-101-5-SG-7P			4/21/09	08:27	C-1511-3	SG	x										1	
1001-101-15-SG			4/21/09	09:00	C-1511-4	SG	x										1	
1001-102-5-SG			4/21/09	09:12	C-1511-5	SG	x										1	
1001-102-15-SG			4/21/09	09:30	C-1511-6	SG	x										1	
1001-112-5-SG			4/21/09	09:54	C-1511-7	SG	x										1	
1001-112-15-SG			4/21/09	10:13	C-1511-8	SG	x										1	
1001-103-5-SG			4/21/09	10:30	C-1511-9	SG	x										1	
1001-103-15-SG			4/21/09	10:53	C-1511-10	SG	x										1	
1 Relinquished by (signature) 			Date 4/21/09		2 Received by (signature) 			Date 4/21/09		10		Total Number of Containers						
Company Alamo & Moore			Time 1300		Company JEL			Time 13:00		The delivery of samples and the signature on this Chain of Custody form constitutes authorization to perform the analyses specified above under the Terms and Conditions set forth on the back hereof.								
3 Relinquished by (signature)			Date		4 Received by Laboratory (signature)			Date										
Company			Time		Company			Time										

Chain-of-Custody Record

Client N+M		Date 4/21/2009	
Project Name Cal Trans		Client Project #	
Project Address 777 N Front St		Turn Around Requested: ☐ Immediate Attention ☐ Rush 24-48 Hours ☐ Rush 72-96 Hours ☐ Normal ☒ Mobile Lab	
Burbank, CA 91502			
Project Contact Tommy			
SOIL GAS Purge Vol: ☐ 1P ☐ 3P ☒ 7P Tracer: o-p10g Purge Rate: 200 cc/min		Analysis Requested <div style="transform: rotate(-45deg); border: 1px solid black; padding: 2px;"> Sample Matrix: Soil (S), Sludge (SL), Aqueous (A), Soil Gas (SG) 3x100B-Full Inc 3+TPH </div>	
JEL Project # C-1511		Page 2 of 2 Lab Use Only Sample Condition as Received: Chilled ☐ yes ☒ no Sealed ☒ yes ☐ no	

Sample ID	Purge Volume	Discussion	Date	Time	Laboratory Sample Number	Sample Matrix: Soil (S), Sludge (SL), Aqueous (A), Soil Gas (SG)	Analysis Requested	Number of Containers	Remarks/Special Instructions
1001-104-5-SG			4/21/09	11:09	C-1511-11	SG X		1	
1001-104-15-SG			4/21/09	11:28	C-1511-12	SG X		1	
1001-105-5-SG			4/21/09	11:45	C-1511-13	SG X		1	
1001-105-15-SG			4/21/09	12:04	C-1511-14	SG X		1	
1001-111-5-SG			4/21/09	12:18	C-1511-15	SG X		1	
1001-111-15-SG			4/21/09	12:42	C-1511-16	SG X		1	
1001-104-5-SG DUP			4/21/09	12:57	C-1511-17	SG X		1	

1 Relinquished by (signature) [Signature] Date 04/21/09		2 Received by (signature) [Signature] Date 4/21/09		Total Number of Containers 7	
Company Alingo & Moore Time 1300		Company JEL Time 13:00		The delivery of samples and the signature on this Chain of Custody form constitutes authorization to perform the analyses specified above under the Terms and Conditions set forth on the back hereof.	
3 Relinquished by (signature) Date		4 Received by Laboratory (signature) Date			
Company Time		Company Time			



Jones Environmental, Inc.

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JONES ENVIRONMENTAL

LABORATORY REPORT

Client:	Ninyo & Moore, Inc.	Report Date:	04/24/09
Client Address:	475 Goddard, Suite 200 Irvine, CA 92618	JEL Ref. No.:	C-1512
		Client Ref. No.:	TO-15
Attn:	Nancy Anglin	Date Sampled:	04/22/09
		Date Received:	04/22/09
Project	Cal Trans TO-15	Date Analyzed:	04/22/09
Project Address:	777 N. Front Street., Burbank, CA	Physical State:	Soil Gas

ANALYSES REQUESTED

1. EPA 8260B- Volatile Organics by GC/MS + Oxygenates
1. EPA 8260B- Volatile Hydrocarbons as Gasoline by GC/MS

Sampling – Soil Gas samples are collected in glass gas-tight syringes equipped with Teflon plungers. Tubing placed in the ground for soil gas sampling is purged three different times as recommended by DTSC/RWQCB regulations. This purge test determines how many purges of the soil gas tubing are needed throughout the project. One, three and seven purge volumes were analyzed to make this determination.

A tracer gas, n-Propanol, was placed at the tubing-surface interface before sampling. This compound is analyzed during the 8260B analytical run to determine if there are surface leaks into the subsurface due to improper installation of the probe. No n-Propanol was found in any of the samples reported herein.

The sampling rate was approximately 200 cc/min except when noted differently on the chain of custody record using a gas tight syringe. 7 purge volumes were used since this purging level gave the highest results for the compound(s) of greatest interest.

Analytical – Soil Gas samples were analyzed using EPA Method 8260 that includes extra compounds required by DTSC/RWQCB (such as Freon 113). Instrument Continuing Calibration Verification, QC Reference Standards, Instrument Blanks and Ambient Air Blanks are analyzed every 12 hours as prescribed by the method. In addition, Matrix Spike (MS) and Matrix Spike Duplicates (MSD) are analyzed with each batch of Soil Gas samples. A duplicate sample is analyzed each day of the sampling activity.

All samples were analyzed within 30 minutes of sampling.

Approval:

Steve Jones, Ph.D.
Laboratory Manager



Jones Environmental, Inc.

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JONES ENVIRONMENTAL

LABORATORY RESULTS

Client: Ninyo & Moore, Inc.
Client Address: 475 Goddard, Suite 200
Irvine, CA 92618

Report Date: 04/24/09
JEL Ref. No.: C-1512
Client Ref. No.: TO-15

Attn: Nancy Anglin

Date Sampled: 04/22/09

Project Cal Trans TO-15

Date Received: 04/22/09

Project Address: 777 N. Front Street., Burbank, CA

Date Analyzed: 04/22/09

Physical State: Soil Gas

EPA 8260B- Volatile Organics by GC/MS + Oxygenates/

Volatile Hydrocarbons as Gasoline

<u>Sample ID:</u>	<u>1001-107-</u> <u>5</u> <u>SG</u>	<u>1001-107-</u> <u>15</u> <u>SG</u>	<u>1001-106-</u> <u>5</u> <u>SG</u>	<u>1001-106-</u> <u>15</u> <u>SG</u>	<u>1001-108-</u> <u>5</u> <u>SG</u>	<u>Practical</u> <u>Quantitation</u> <u>Limits</u>	<u>Units</u>
Analytes:							
Benzene	ND	ND	ND	ND	ND	20	ug/M ³
Bromobenzene	ND	ND	ND	ND	ND	20	ug/M ³
Bromodichloromethane	ND	ND	ND	ND	ND	20	ug/M ³
Bromoform	ND	ND	ND	ND	ND	20	ug/M ³
n-Butylbenzene	ND	ND	ND	ND	ND	20	ug/M ³
sec-Butylbenzene	ND	ND	ND	ND	ND	20	ug/M ³
tert-Butylbenzene	ND	ND	ND	ND	ND	20	ug/M ³
Carbon tetrachloride	ND	ND	ND	ND	ND	20	ug/M ³
Chlorobenzene	ND	ND	ND	ND	ND	20	ug/M ³
Chloroethane	ND	ND	ND	ND	ND	20	ug/M ³
Chloroform	ND	ND	ND	ND	ND	20	ug/M ³
Chloromethane	ND	ND	ND	ND	ND	20	ug/M ³
2-Chlorotoluene	ND	ND	ND	ND	ND	20	ug/M ³
4-Chlorotoluene	ND	ND	ND	ND	ND	20	ug/M ³
Dibromochloromethane	ND	ND	ND	ND	ND	20	ug/M ³
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	20	ug/M ³
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	ND	20	ug/M ³
Dibromomethane	ND	ND	ND	ND	ND	20	ug/M ³
1,2- Dichlorobenzene	ND	ND	ND	ND	ND	20	ug/M ³
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	20	ug/M ³
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	20	ug/M ³
Dichlorodifluoromethane	ND	ND	ND	ND	ND	20	ug/M ³
1,1-Dichloroethane	ND	ND	ND	ND	ND	20	ug/M ³
1,2-Dichloroethane	ND	ND	ND	ND	ND	20	ug/M ³
1,1-Dichloroethene	ND	114	ND	78	ND	20	ug/M ³

ND = Not Detected



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JONES ENVIRONMENTAL

LABORATORY RESULTS

Client: Ninyo & Moore, Inc.
Client Address: 475 Goddard, Suite 200
Irvine, CA 92618

Report Date: 04/24/09
JEL Ref. No.: C-1512
Client Ref. No.: TO-15

Attn: Nancy Anglin

Date Sampled: 04/22/09
Date Received: 04/22/09
Date Analyzed: 04/22/09
Physical State: Soil Gas

Project Cal Trans TO-15
Project Address: 777 N. Front Street., Burbank, CA

EPA 8260B- Volatile Organics by GC/MS + Oxygenates/

Volatile Hydrocarbons as Gasoline

<u>Sample ID:</u>	<u>1001-107-</u> <u>5</u> <u>SG</u>	<u>1001-107-</u> <u>15</u> <u>SG</u>	<u>1001-106-</u> <u>5</u> <u>SG</u>	<u>1001-</u> <u>106-</u> <u>15</u> <u>SG</u>	<u>1001-108-</u> <u>5</u> <u>SG</u>	<u>Practical</u> <u>Quantitation</u> <u>Limits</u>	<u>Units</u>
Analytes:							
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	20	ug/M ³
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	20	ug/M ³
1,2-Dichloropropane	ND	ND	ND	ND	ND	20	ug/M ³
1,3-Dichloropropane	ND	ND	ND	ND	ND	20	ug/M ³
2,2-Dichloropropane	ND	ND	ND	ND	ND	20	ug/M ³
1,1-Dichloropropene	ND	ND	ND	ND	ND	20	ug/M ³
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	20	ug/M ³
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	20	ug/M ³
Ethylbenzene	ND	ND	ND	ND	ND	20	ug/M ³
Freon 113	ND	45	ND	ND	ND	20	ug/M ³
Hexachlorobutadiene	ND	ND	ND	ND	ND	20	ug/M ³
Isopropylbenzene	ND	ND	ND	ND	ND	20	ug/M ³
4-Isopropyltoluene	ND	ND	ND	ND	ND	20	ug/M ³
Methylene chloride	ND	ND	ND	ND	ND	20	ug/M ³
Naphthalene	ND	ND	ND	ND	ND	20	ug/M ³
n-Propylbenzene	ND	ND	ND	ND	ND	20	ug/M ³
Styrene	ND	ND	ND	ND	ND	20	ug/M ³
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	20	ug/M ³
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	20	ug/M ³
Tetrachloroethylene	ND	208	270	361	283	20	ug/M ³
Toluene	ND	395	587	197	149	20	ug/M ³
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	20	ug/M ³
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	20	ug/M ³
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	20	ug/M ³
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	20	ug/M ³
Trichloroethylene	ND	ND	ND	ND	ND	20	ug/M ³

ND = Not Detected



Jones Environmental, Inc.

Testing Laboratories

P.O. Box 5387 • Fullerton, CA 92838
(714) 449-9937 • FAX (714) 4499685

JONES ENVIRONMENTAL

LABORATORY RESULTS

Client: Ninyo & Moore, Inc.
Client Address: 475 Goddard, Suite 200
Irvine, CA 92618

Report Date: 04/24/09
JEL Ref. No.: C-1512
Client Ref. No.: TO-15

Attn: Nancy Anglin

Date Sampled: 04/22/09
Date Received: 04/22/09
Date Analyzed: 04/22/09
Physical State: Soil Gas

Project Cal Trans TO-15
Project Address: 777 N. Front Street., Burbank, CA

EPA 8260B- Volatile Organics by GC/MS + Oxygenates/

Volatile Hydrocarbons as Gasoline

<u>Sample ID:</u>	<u>1001-107-</u> <u>5</u> <u>SG</u>	<u>1001-107-</u> <u>15</u> <u>SG</u>	<u>1001-106-</u> <u>5</u> <u>SG</u>	<u>1001-106-</u> <u>15</u> <u>SG</u>	<u>1001-108-</u> <u>5</u> <u>SG</u>	<u>Practical</u> <u>Quantitation</u> <u>Limits</u>	<u>Units</u>
Analytes:							
Trichlorofluoromethane	ND	ND	ND	ND	ND	20	ug/M ³
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	20	ug/M ³
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	20	ug/M ³
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	20	ug/M ³
Vinyl chloride	ND	ND	ND	ND	ND	20	ug/M ³
Xylenes	ND	ND	ND	ND	ND	20	ug/M ³
MTBE	ND	ND	ND	ND	ND	20	ug/M ³
Ethyl-tert-butylether	ND	ND	ND	ND	ND	20	ug/M ³
Di-isopropylether	ND	ND	ND	ND	ND	20	ug/M ³
tert-amylmethylether	ND	ND	ND	ND	ND	20	ug/M ³
tert-Butylalcohol	ND	ND	ND	ND	ND	100	ug/M ³
Gasoline	ND	ND	ND	ND	ND	200	ug/M ³
TIC							
n-Propanol	ND	ND	ND	ND	ND	20	ug/M ³
Dilution Factor	1	1	1	1	1		
Surrogate Recovery :						QC Limits	
Dibromofluoromethane	100%	98%	97%	95%	94%	60 - 140	
Toluene-d ₈	110%	108%	108%	107%	109%	60 - 140	
4-Bromofluorobenzene	110%	101%	104%	100%	102%	60 - 140	

ND = Not Detected



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JONES ENVIRONMENTAL

LABORATORY RESULTS

Client: Ninyo & Moore, Inc.
Client Address: 475 Goddard, Suite 200
Irvine, CA 92618

Attn: Nancy Anglin

Project Cal Trans TO-15
Project Address: 777 N. Front Street., Burbank, CA

Report Date: 04/24/09
JEL Ref. No.: C-1512
Client Ref. No.: TO-15

Date Sampled: 04/22/09
Date Received: 04/22/09
Date Analyzed: 04/22/09
Physical State: Soil Gas

EPA 8260B- Volatile Organics by GC/MS + Oxygenates/

Volatile Hydrocarbons as Gasoline

<u>Sample ID:</u>	<u>1001-108-</u> <u>15</u> <u>SG</u>	<u>1001-109-</u> <u>5</u> <u>SG</u>	<u>1001-109-</u> <u>15</u> <u>SG</u>	<u>1001-110-</u> <u>5</u> <u>SG</u>	<u>1001-110-</u> <u>15</u> <u>SG</u>	<u>Practical</u> <u>Quantitation</u> <u>Limits</u>	<u>Units</u>
Analytes:							
Benzene	ND	ND	ND	ND	ND	20	ug/M ³
Bromobenzene	ND	ND	ND	ND	ND	20	ug/M ³
Bromodichloromethane	ND	ND	ND	ND	ND	20	ug/M ³
Bromoform	ND	ND	ND	ND	ND	20	ug/M ³
n-Butylbenzene	ND	ND	ND	ND	ND	20	ug/M ³
sec-Butylbenzene	ND	ND	ND	ND	ND	20	ug/M ³
tert-Butylbenzene	ND	ND	ND	ND	ND	20	ug/M ³
Carbon tetrachloride	ND	ND	ND	ND	ND	20	ug/M ³
Chlorobenzene	ND	ND	ND	ND	ND	20	ug/M ³
Chloroethane	ND	ND	ND	ND	ND	20	ug/M ³
Chloroform	ND	ND	ND	ND	ND	20	ug/M ³
Chloromethane	ND	ND	ND	ND	ND	20	ug/M ³
2-Chlorotoluene	ND	ND	ND	ND	ND	20	ug/M ³
4-Chlorotoluene	ND	ND	ND	ND	ND	20	ug/M ³
Dibromochloromethane	ND	ND	ND	ND	ND	20	ug/M ³
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	20	ug/M ³
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	ND	20	ug/M ³
Dibromomethane	ND	ND	ND	ND	ND	20	ug/M ³
1,2- Dichlorobenzene	ND	ND	ND	ND	ND	20	ug/M ³
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	20	ug/M ³
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	20	ug/M ³
Dichlorodifluoromethane	ND	ND	ND	ND	ND	20	ug/M ³
1,1-Dichloroethane	ND	ND	ND	ND	ND	20	ug/M ³
1,2-Dichloroethane	ND	ND	ND	ND	ND	20	ug/M ³
1,1-Dichloroethene	ND	ND	ND	ND	ND	20	ug/M ³

ND = Not Detected



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JONES ENVIRONMENTAL

LABORATORY RESULTS

Client: Ninyo & Moore, Inc.
Client Address: 475 Goddard, Suite 200
Irvine, CA 92618

Report Date: 04/24/09
JEL Ref. No.: C-1512
Client Ref. No.: TO-15

Attn: Nancy Anglin

Date Sampled: 04/22/09
Date Received: 04/22/09
Date Analyzed: 04/22/09
Physical State: Soil Gas

Project Cal Trans TO-15
Project Address: 777 N. Front Street., Burbank, CA

EPA 8260B- Volatile Organics by GC/MS + Oxygenates/

Volatile Hydrocarbons as Gasoline

<u>Sample ID:</u>	<u>1001-108-</u> <u>15</u> <u>SG</u>	<u>1001-109-</u> <u>5</u> <u>SG</u>	<u>1001-109-</u> <u>15</u> <u>SG</u>	<u>1001-</u> <u>110-</u> <u>5</u> <u>SG</u>	<u>1001-110-</u> <u>15</u> <u>SG</u>	<u>Practical</u> <u>Quantitation</u> <u>Limits</u>	<u>Units</u>
Analytes:							
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	20	ug/M ³
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	20	ug/M ³
1,2-Dichloropropane	ND	ND	ND	ND	ND	20	ug/M ³
1,3-Dichloropropane	ND	ND	ND	ND	ND	20	ug/M ³
2,2-Dichloropropane	ND	ND	ND	ND	ND	20	ug/M ³
1,1-Dichloropropene	ND	ND	ND	ND	ND	20	ug/M ³
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	20	ug/M ³
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	20	ug/M ³
Ethylbenzene	ND	ND	ND	ND	ND	20	ug/M ³
Freon 113	ND	ND	ND	ND	ND	20	ug/M ³
Hexachlorobutadiene	ND	ND	ND	ND	ND	20	ug/M ³
Isopropylbenzene	ND	ND	ND	ND	ND	20	ug/M ³
4-Isopropyltoluene	ND	ND	ND	ND	ND	20	ug/M ³
Methylene chloride	ND	ND	ND	ND	ND	20	ug/M ³
Naphthalene	ND	ND	ND	ND	ND	20	ug/M ³
n-Propylbenzene	ND	ND	ND	ND	ND	20	ug/M ³
Styrene	ND	ND	ND	ND	ND	20	ug/M ³
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	20	ug/M ³
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	20	ug/M ³
Tetrachloroethylene	141	1340	1570	5070	3470	20	ug/M ³
Toluene	393	147	386	52	374	20	ug/M ³
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	20	ug/M ³
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	20	ug/M ³
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	20	ug/M ³
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	20	ug/M ³
Trichloroethylene	ND	ND	ND	ND	ND	20	ug/M ³

ND = Not Detected



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LABORATORY RESULTS

Client: Ninyo & Moore, Inc.
Client Address: 475 Goddard, Suite 200
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Report Date: 04/24/09
JEL Ref. No.: C-1512
Client Ref. No.: TO-15

Attn: Nancy Anglin

Date Sampled: 04/22/09
Date Received: 04/22/09
Date Analyzed: 04/22/09
Physical State: Soil Gas

Project Cal Trans TO-15
Project Address: 777 N. Front Street., Burbank, CA

EPA 8260B- Volatile Organics by GC/MS + Oxygenates/

Volatile Hydrocarbons as Gasoline

<u>Sample ID:</u>	<u>1001-108-</u> <u>15</u> <u>SG</u>	<u>1001-109-</u> <u>5</u> <u>SG</u>	<u>1001-109-</u> <u>15</u> <u>SG</u>	<u>1001-110-</u> <u>5</u> <u>SG</u>	<u>1001-110-</u> <u>15</u> <u>SG</u>	<u>Practical</u> <u>Quantitation</u> <u>Limits</u>	<u>Units</u>
Analytes:							
Trichlorofluoromethane	ND	ND	ND	ND	ND	20	ug/M ³
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	20	ug/M ³
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	20	ug/M ³
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	20	ug/M ³
Vinyl chloride	ND	ND	ND	ND	ND	20	ug/M ³
Xylenes	ND	ND	ND	ND	ND	20	ug/M ³
MTBE	ND	ND	ND	ND	ND	20	ug/M ³
Ethyl-tert-butylether	ND	ND	ND	ND	ND	20	ug/M ³
Di-isopropylether	ND	ND	ND	ND	ND	20	ug/M ³
tert-amylmethylether	ND	ND	ND	ND	ND	20	ug/M ³
tert-Butylalcohol	ND	ND	ND	ND	ND	100	ug/M ³
Gasoline	ND	ND	ND	ND	ND	200	ug/M ³
TIC							
n-Propanol	ND	ND	ND	ND	ND	20	ug/M ³
Dilution Factor	1	1	1	1	1		
Surrogate Recovery :						QC Limits	
Dibromofluoromethane	93%	94%	86%	96%	96%	60 - 140	
Toluene-d ₈	112%	111%	121%	111%	106%	60 - 140	
4-Bromofluorobenzene	104%	104%	101%	106%	104%	60 - 140	

ND = Not Detected



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Attn: Nancy Anglin

Project Cal Trans TO-15
Project Address: 777 N. Front Street., Burbank, CA

Report Date: 04/24/09
JEL Ref. No.: C-1512
Client Ref. No.: TO-15

Date Sampled: 04/22/09
Date Received: 04/22/09
Date Analyzed: 04/22/09
Physical State: Soil Gas

EPA 8260B- Volatile Organics by GC/MS + Oxygenates/

Volatile Hydrocarbons as Gasoline

<u>Sample ID:</u>	<u>1001-110-</u> <u>5</u> <u>SG</u> <u>DUP</u>	<u>1001-117-</u> <u>25</u> <u>SG</u>	<u>1001-117-</u> <u>40</u> <u>SG</u>	<u>1001-113-</u> <u>25</u> <u>SG</u>	<u>1001-113-</u> <u>40</u> <u>SG</u>	<u>Practical</u> <u>Quantitation</u> <u>Limits</u>	<u>Units</u>
Analytes:							
Benzene	ND	ND	ND	ND	ND	20	ug/M ³
Bromobenzene	ND	ND	ND	ND	ND	20	ug/M ³
Bromodichloromethane	ND	ND	ND	ND	ND	20	ug/M ³
Bromoform	ND	ND	ND	ND	ND	20	ug/M ³
n-Butylbenzene	ND	ND	ND	ND	ND	20	ug/M ³
sec-Butylbenzene	ND	ND	ND	ND	ND	20	ug/M ³
tert-Butylbenzene	ND	ND	ND	ND	ND	20	ug/M ³
Carbon tetrachloride	ND	ND	ND	ND	ND	20	ug/M ³
Chlorobenzene	ND	ND	ND	ND	ND	20	ug/M ³
Chloroethane	ND	ND	ND	ND	ND	20	ug/M ³
Chloroform	ND	ND	ND	ND	ND	20	ug/M ³
Chloromethane	ND	ND	ND	ND	ND	20	ug/M ³
2-Chlorotoluene	ND	ND	ND	ND	ND	20	ug/M ³
4-Chlorotoluene	ND	ND	ND	ND	ND	20	ug/M ³
Dibromochloromethane	ND	ND	ND	ND	ND	20	ug/M ³
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	20	ug/M ³
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	ND	20	ug/M ³
Dibromomethane	ND	ND	ND	ND	ND	20	ug/M ³
1,2- Dichlorobenzene	ND	ND	ND	ND	ND	20	ug/M ³
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	20	ug/M ³
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	20	ug/M ³
Dichlorodifluoromethane	ND	ND	ND	ND	ND	20	ug/M ³
1,1-Dichloroethane	ND	ND	ND	ND	ND	20	ug/M ³
1,2-Dichloroethane	ND	ND	ND	ND	ND	20	ug/M ³
1,1-Dichloroethene	ND	ND	ND	ND	ND	20	ug/M ³

ND = Not Detected



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Report Date: 04/24/09
JEL Ref. No.: C-1512
Client Ref. No.: TO-15

Attn: Nancy Anglin

Date Sampled: 04/22/09

Project Cal Trans TO-15

Date Received: 04/22/09

Project Address: 777 N. Front Street., Burbank, CA

Date Analyzed: 04/22/09

Physical State: Soil Gas

EPA 8260B- Volatile Organics by GC/MS + Oxygenates/

Volatile Hydrocarbons as Gasoline

<u>Sample ID:</u>	<u>1001-110-</u> <u>5</u> <u>SG</u> <u>DUP</u>	<u>1001-117-</u> <u>25</u> <u>SG</u>	<u>1001-117-</u> <u>40</u> <u>SG</u>	<u>1001-</u> <u>113-</u> <u>25</u> <u>SG</u>	<u>1001-113-</u> <u>40</u> <u>SG</u>	<u>Practical</u> <u>Quantitation</u> <u>Limits</u>	<u>Units</u>
Analytes:							
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	20	ug/M ³
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	20	ug/M ³
1,2-Dichloropropane	ND	ND	ND	ND	ND	20	ug/M ³
1,3-Dichloropropane	ND	ND	ND	ND	ND	20	ug/M ³
2,2-Dichloropropane	ND	ND	ND	ND	ND	20	ug/M ³
1,1-Dichloropropene	ND	ND	ND	ND	ND	20	ug/M ³
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	20	ug/M ³
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	20	ug/M ³
Ethylbenzene	ND	ND	ND	ND	ND	20	ug/M ³
Freon 113	ND	ND	ND	ND	ND	20	ug/M ³
Hexachlorobutadiene	ND	ND	ND	ND	ND	20	ug/M ³
Isopropylbenzene	ND	ND	ND	ND	ND	20	ug/M ³
4-Isopropyltoluene	ND	ND	ND	ND	ND	20	ug/M ³
Methylene chloride	ND	ND	ND	ND	ND	20	ug/M ³
Naphthalene	ND	ND	ND	ND	ND	20	ug/M ³
n-Propylbenzene	ND	ND	ND	ND	ND	20	ug/M ³
Styrene	ND	ND	ND	ND	ND	20	ug/M ³
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	20	ug/M ³
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	20	ug/M ³
Tetrachloroethylene	4970	37800	46700	490	4970	20	ug/M ³
Toluene	57	30	ND	ND	ND	20	ug/M ³
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	20	ug/M ³
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	20	ug/M ³
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	20	ug/M ³
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	20	ug/M ³
Trichloroethylene	ND	ND	ND	ND	ND	20	ug/M ³

ND = Not Detected



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LABORATORY RESULTS

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Client Address: 475 Goddard, Suite 200
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Report Date: 04/24/09
JEL Ref. No.: C-1512
Client Ref. No.: TO-15

Attn: Nancy Anglin

Date Sampled: 04/22/09
Date Received: 04/22/09
Date Analyzed: 04/22/09
Physical State: Soil Gas

Project Cal Trans TO-15
Project Address: 777 N. Front Street., Burbank, CA

EPA 8260B- Volatile Organics by GC/MS + Oxygenates/

Volatile Hydrocarbons as Gasoline

<u>Sample ID:</u>	<u>1001-110-</u> <u>5</u> <u>SG</u> <u>DUP</u>	<u>1001-117-</u> <u>25</u> <u>SG</u>	<u>1001-117-</u> <u>40</u> <u>SG</u>	<u>1001-113-</u> <u>25</u> <u>SG</u>	<u>1001-113-</u> <u>40</u> <u>SG</u>	<u>Practical</u> <u>Quantitation</u> <u>Limits</u>	<u>Units</u>
Analytes:							
Trichlorofluoromethane	ND	ND	ND	ND	ND	20	ug/M ³
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	20	ug/M ³
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	20	ug/M ³
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	20	ug/M ³
Vinyl chloride	ND	ND	ND	ND	ND	20	ug/M ³
Xylenes	ND	ND	ND	ND	ND	20	ug/M ³
MTBE	ND	ND	ND	ND	ND	20	ug/M ³
Ethyl-tert-butylether	ND	ND	ND	ND	ND	20	ug/M ³
Di-isopropylether	ND	ND	ND	ND	ND	20	ug/M ³
tert-amylmethylether	ND	ND	ND	ND	ND	20	ug/M ³
tert-Butylalcohol	ND	ND	ND	ND	ND	100	ug/M ³
Gasoline	ND	ND	ND	ND	ND	200	ug/M ³
TIC							
n-Propanol	ND	ND	ND	ND	ND	20	ug/M ³
Dilution Factor	1	1	4	4	4		
Surrogate Recovery :						QC Limits	
Dibromofluoromethane	95%	100%	105%	97%	100%	60 - 140	
Toluene-d ₈	106%	110%	105%	109%	109%	60 - 140	
4-Bromofluorobenzene	103%	101%	101%	104%	108%	60 - 140	

ND = Not Detected



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JONES ENVIRONMENTAL

QUALITY CONTROL INFORMATION

Client:	Ninyo & Moore, Inc.	Report Date:	04/24/09
Client Address:	475 Goddard, Suite 200 Irvine, CA 92618	JEL Ref. No.:	C-1512
		Client Ref. No.:	TO-15
Attn:	Nancy Anglin	Date Sampled:	04/22/09
		Date Received:	04/22/09
Project	Cal Trans TO-15	Date Analyzed:	04/22/09
Project Address:	777 N. Front Street., Burbank, CA	Physical State:	Soil Gas

**EPA 8260B- Volatile Organics by GC/MS + Oxygenates/
Volatile Hydrocarbons as Gasoline**

Sample Spiked: AMBIENT AIR

<u>Parameter</u>	<u>MS Recovery (%)</u>	<u>MSD Recovery (%)</u>	<u>RPD</u>	<u>Acceptability Range (%)</u>
1,1-Dichloroethylene	119%	124%	4.4%	60 - 140
Benzene	109%	109%	0.5%	60 - 140
Trichloroethylene	97%	100%	2.2%	60 - 140
Toluene	100%	108%	7.7%	60 - 140
Chlorobenzene	99%	104%	5.6%	60 - 140
Gasoline	105%	110%	3.9%	60 - 140

Method Blank = Not Detected

MS = Matrix Spike
MSD = Matrix Spike Duplicate
RPD = Relative Percent Difference

Chain-of-Custody Record

Client Ninjo + Moore			Date 04/22/09		<div style="display: flex; justify-content: space-around;"> <div> SOIL GAS Purge Vol: ☐ 1P ☐ 3P ☒ 4P Tracer: <u>n-propanol</u> Purge Rate: <u>200</u> cc/min </div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);"> Sample Matrix: Soil (S), Sludge (SL), Aqueous (A), Soil Gas (SG) </div> <div> 8260B TPH-G </div> </div>											
Project Name Cal Trans			Client Project #													
Project Address 777 N. Front St.			Turn Around Requested: ☐ Immediate Attention ☐ Rush 24-48 Hours ☐ Rush 72-96 Hours ☐ Normal ☒ Mobile Lab													
Project Contact Tommy																
JEL Project # C-1512			Page 1 of 2		Lab Use Only Sample Condition as Received: Chilled ☐ yes ☒ no Sealed ☒ yes ☐ no											
Sample ID	Purge Volume	Discussion	Date	Time	Laboratory Sample Number	Number of Containers										Remarks/Special Instructions
1001-107-5-SG		7 Purge Vol.	4/22/09	09:30	C-1512-1	SG	X	X						1	Glass Gastight Syringe	
1001-107-15-SG		"	4/22/09	09:50	C-1512-2	SG	X	X						1	"	
1001-108-5-SG		"	4/22/09	10:13	C-1512-3	SG	X	X						1	"	
1001-108-15-SG		"	4/22/09	10:30	C-1512-4	SG	X	X						1	"	
1001-108-5-SG		"	4/22/09	10:50	C-1512-5	SG	X	X						1	"	
1001-108-15-SG		"	4/22/09	11:10	C-1512-6	SG	X	X						1	"	
1001-109-5-SG		"	4/22/09	11:30	C-1512-7	SG	X	X						1	"	
1001-109-15-SG		"	4/22/09	11:50	C-1512-8	SG	X	X						1	"	
1001-110-5-SG		"	4/22/09	12:10	C-1512-9	SG	X	X						1	"	
1001-110-15-SG		"	4/22/09	12:25	C-1512-10	SG	X	X						1	"	
1 Relinquished by (signature) <i>[Signature]</i>			Date 04/22/09		2 Received by (signature) <i>[Signature]</i>			Date 4/22/09			Total Number of Containers					
Company Ninjo & Moore			Time 16:18		Company JEL			Time 16:16			The delivery of samples and the signature on this Chain of Custody form constitutes authorization to perform the analyses specified above under the Terms and Conditions set forth on the back hereof.					
3 Relinquished by (signature)			Date		4 Received by Laboratory (signature)			Date								
Company			Time		Company			Time								

Chain-of-Custody Record

Client Ninyo & Moore		Date 04/22/09												JEL Project # C-1512		
Project Name Cal Trans		Client Project #												Page 2 of 2		
Project Address 777 N. Front St.		Turn Around Requested: ☐ Immediate Attention ☐ Rush 24-48 Hours ☐ Rush 72-96 Hours ☐ Normal ☒ Mobile Lab		SOIL GAS Purge Vol: ☐ 1P ☐ 3P ☒ 7P Tracer: n propane Purge Rate: ~200 cc/min Analysis Requested: Sample Matrix: Soil (S), Sludge (SL), Aqueous (A), Soil Gas (SG) 8260B TPH-G Number of Containers										Lab Use Only Sample Condition as Received: Chilled ☐ yes ☒ no Sealed ☒ yes ☐ no		
Project Contact Tommy																
Sample ID	Purge Volume	Discussion	Date	Time	Laboratory Sample Number											Remarks/Special Instructions
1001-110-5-SG DWP		7 Purge Vol	4/22/09	12:40	C-1512-11	SG	X	X							1	Glass Gastight Syringe
1001-117-25-SG		"	4/22/09	14:20	C-1512-12	SG	X	X							1	"
1001-117-40-SG		"	4/22/09	14:35	C-1512-13	SG	X	X							1	"
1001-113-25-SG		"	4/22/09	16:05	C-1512-14	SG	X	X							1	"
1001-113-40-SG		"	4/22/09	16:10	C-1512-15	SG	X	X							1	"
1 Relinquished by (signature) 			Date 04/22/09		2 Received by (signature) 			Date 4/22/09		Total Number of Containers						
Company Ninyo & Moore			Time 1618		Company JEL			Time 16:16		The delivery of samples and the signature on this Chain of Custody form constitutes authorization to perform the analyses specified above under the Terms and Conditions set forth on the back hereof.						
3 Relinquished by (signature)			Date		4 Received by Laboratory (signature)			Date								
Company			Time		Company			Time								



Jones Environmental, Inc.

Testing Laboratories

**P.O. Box 5387 • Fullerton, CA 92838
(714) 449-9937 • FAX (714) 4499685**

JONES ENVIRONMENTAL

LABORATORY REPORT

Client:	Ninyo & Moore, Inc.	Report Date:	04/24/09
Client Address:	475 Goddard, Suite 200 Irvine, CA 92618	JEL Ref. No.:	C-1513
		Client Ref. No.:	TO-15
Attn:	Nancy Anglin	Date Sampled:	04/23/09
		Date Received:	04/23/09
Project	Cal Trans TO-15	Date Analyzed:	04/23/09
Project Address:	777 N. Front Street., Burbank, CA	Physical State:	Soil Gas

ANALYSES REQUESTED

1. EPA 8260B- Volatile Organics by GC/MS + Oxygenates
1. EPA 8260B- Volatile Hydrocarbons as Gasoline by GC/MS

Sampling – Soil Gas samples are collected in glass gas-tight syringes equipped with Teflon plungers. Tubing placed in the ground for soil gas sampling is purged three different times as recommended by DTSC/RWQCB regulations. This purge test determines how many purges of the soil gas tubing are needed throughout the project. One, three and seven purge volumes were analyzed to make this determination.

A tracer gas, n-Propanol, was placed at the tubing-surface interface before sampling. This compound is analyzed during the 8260B analytical run to determine if there are surface leaks into the subsurface due to improper installation of the probe. No n-Propanol was found in any of the samples reported herein.

The sampling rate was approximately 200 cc/min except when noted differently on the chain of custody record using a gas tight syringe. 7 purge volumes were used since this purging level gave the highest results for the compound(s) of greatest interest.

Analytical – Soil Gas samples were analyzed using EPA Method 8260 that includes extra compounds required by DTSC/RWQCB (such as Freon 113). Instrument Continuing Calibration Verification, QC Reference Standards, Instrument Blanks and Ambient Air Blanks are analyzed every 12 hours as prescribed by the method. In addition, Matrix Spike (MS) and Matrix Spike Duplicates (MSD) are analyzed with each batch of Soil Gas samples. A duplicate sample is analyzed each day of the sampling activity.

All samples were analyzed within 30 minutes of sampling.

Approval:

Steve Jones, Ph.D.
Laboratory Manager



Jones Environmental, Inc.

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JONES ENVIRONMENTAL

LABORATORY RESULTS

Client: Ninyo & Moore, Inc.
Client Address: 475 Goddard, Suite 200
Irvine, CA 92618

Attn: Nancy Anglin

Project Cal Trans TO-15
Project Address: 777 N. Front Street., Burbank, CA

Report Date: 04/24/09
JEL Ref. No.: C-1513
Client Ref. No.: TO-15

Date Sampled: 04/23/09
Date Received: 04/23/09
Date Analyzed: 04/23/09
Physical State: Soil Gas

EPA 8260B- Volatile Organics by GC/MS + Oxygenates/

Volatile Hydrocarbons as Gasoline

<u>Sample ID:</u>	<u>1001-115-</u> <u>5</u> <u>SG</u>	<u>1001-115-</u> <u>15</u> <u>SG</u>	<u>1001-115-</u> <u>25</u> <u>SG</u>	<u>1001-115-</u> <u>40</u> <u>SG</u>	<u>1001-115-</u> <u>25</u> <u>SG</u> <u>DUP</u>	<u>Practical</u> <u>Quantitation</u> <u>Limits</u>	<u>Units</u>
Analytes:							
Benzene	ND	ND	ND	ND	ND	20	ug/M ³
Bromobenzene	ND	ND	ND	ND	ND	20	ug/M ³
Bromodichloromethane	ND	ND	ND	ND	ND	20	ug/M ³
Bromoform	ND	ND	ND	ND	ND	20	ug/M ³
n-Butylbenzene	ND	ND	ND	ND	ND	20	ug/M ³
sec-Butylbenzene	ND	ND	ND	ND	ND	20	ug/M ³
tert-Butylbenzene	ND	ND	ND	ND	ND	20	ug/M ³
Carbon tetrachloride	ND	ND	ND	ND	ND	20	ug/M ³
Chlorobenzene	ND	ND	ND	ND	ND	20	ug/M ³
Chloroethane	ND	ND	ND	ND	ND	20	ug/M ³
Chloroform	ND	75	243	186	311	20	ug/M ³
Chloromethane	ND	ND	ND	ND	ND	20	ug/M ³
2-Chlorotoluene	ND	ND	ND	ND	ND	20	ug/M ³
4-Chlorotoluene	ND	ND	ND	ND	ND	20	ug/M ³
Dibromochloromethane	ND	ND	ND	ND	ND	20	ug/M ³
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	20	ug/M ³
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	ND	20	ug/M ³
Dibromomethane	ND	ND	ND	ND	ND	20	ug/M ³
1,2- Dichlorobenzene	ND	ND	ND	ND	ND	20	ug/M ³
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	20	ug/M ³
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	20	ug/M ³
Dichlorodifluoromethane	ND	ND	ND	ND	ND	20	ug/M ³
1,1-Dichloroethane	ND	ND	ND	ND	ND	20	ug/M ³
1,2-Dichloroethane	ND	ND	ND	ND	ND	20	ug/M ³
1,1-Dichloroethene	ND	ND	ND	ND	ND	20	ug/M ³

ND = Not Detected



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JONES ENVIRONMENTAL

LABORATORY RESULTS

Client: Ninyo & Moore, Inc.
Client Address: 475 Goddard, Suite 200
Irvine, CA 92618

Report Date: 04/24/09
JEL Ref. No.: C-1513
Client Ref. No.: TO-15

Attn: Nancy Anglin

Date Sampled: 04/23/09
Date Received: 04/23/09
Date Analyzed: 04/23/09
Physical State: Soil Gas

Project Cal Trans TO-15
Project Address: 777 N. Front Street., Burbank, CA

EPA 8260B- Volatile Organics by GC/MS + Oxygenates/

Volatile Hydrocarbons as Gasoline

<u>Sample ID:</u>	<u>1001-115-</u> <u>5</u> <u>SG</u>	<u>1001-115-</u> <u>15</u> <u>SG</u>	<u>1001-115-</u> <u>25</u> <u>SG</u>	<u>1001-</u> <u>115-</u> <u>40</u> <u>SG</u>	<u>1001-115-</u> <u>25</u> <u>SG</u> <u>DUP</u>	<u>Practical</u> <u>Quantitation</u> <u>Limits</u>	<u>Units</u>
Analytes:							
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	20	ug/M ³
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	20	ug/M ³
1,2-Dichloropropane	ND	ND	ND	ND	ND	20	ug/M ³
1,3-Dichloropropane	ND	ND	ND	ND	ND	20	ug/M ³
2,2-Dichloropropane	ND	ND	ND	ND	ND	20	ug/M ³
1,1-Dichloropropene	ND	ND	ND	ND	ND	20	ug/M ³
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	20	ug/M ³
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	20	ug/M ³
Ethylbenzene	ND	ND	ND	ND	ND	20	ug/M ³
Freon 113	ND	ND	ND	ND	ND	20	ug/M ³
Hexachlorobutadiene	ND	ND	ND	ND	ND	20	ug/M ³
Isopropylbenzene	ND	ND	ND	ND	ND	20	ug/M ³
4-Isopropyltoluene	ND	ND	ND	ND	ND	20	ug/M ³
Methylene chloride	ND	ND	ND	ND	ND	20	ug/M ³
Naphthalene	ND	ND	ND	ND	ND	20	ug/M ³
n-Propylbenzene	ND	ND	ND	ND	ND	20	ug/M ³
Styrene	ND	ND	ND	ND	ND	20	ug/M ³
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	20	ug/M ³
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	20	ug/M ³
Tetrachloroethylene	345	694	599	173	772	20	ug/M ³
Toluene	156	80	119	98	112	20	ug/M ³
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	20	ug/M ³
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	20	ug/M ³
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	20	ug/M ³
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	20	ug/M ³
Trichloroethylene	ND	117	169	41	234	20	ug/M ³

ND = Not Detected



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LABORATORY RESULTS

Client: Ninyo & Moore, Inc.
Client Address: 475 Goddard, Suite 200
Irvine, CA 92618

Report Date: 04/24/09
JEL Ref. No.: C-1513
Client Ref. No.: TO-15

Attn: Nancy Anglin

Date Sampled: 04/23/09
Date Received: 04/23/09
Date Analyzed: 04/23/09
Physical State: Soil Gas

Project Cal Trans TO-15
Project Address: 777 N. Front Street., Burbank, CA

EPA 8260B- Volatile Organics by GC/MS + Oxygenates/

Volatile Hydrocarbons as Gasoline

<u>Sample ID:</u>	<u>1001-115- 5 SG</u>	<u>1001-115- 15 SG</u>	<u>1001-115- 25 SG</u>	<u>1001-115- 40 SG</u>	<u>1001-115- 25 SG DUP</u>	<u>Practical Quantitation Limits</u>	<u>Units</u>
Analytes:							
Trichlorofluoromethane	ND	ND	ND	ND	ND	20	ug/M ³
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	20	ug/M ³
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	20	ug/M ³
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	20	ug/M ³
Vinyl chloride	ND	ND	ND	ND	ND	20	ug/M ³
Xylenes	ND	ND	ND	ND	ND	20	ug/M ³
MTBE	ND	ND	ND	ND	ND	20	ug/M ³
Ethyl-tert-butylether	ND	ND	ND	ND	ND	20	ug/M ³
Di-isopropylether	ND	ND	ND	ND	ND	20	ug/M ³
tert-amylmethylether	ND	ND	ND	ND	ND	20	ug/M ³
tert-Butylalcohol	ND	ND	ND	ND	ND	100	ug/M ³
Gasoline	ND	ND	ND	ND	ND	200	ug/M ³
TIC							
n-Propanol	ND	ND	ND	ND	ND	20	ug/M ³
Dilution Factor	1	1	1	1	1		
Surrogate Recovery :						QC Limits	
Dibromofluoromethane	104%	109%	110%	104%	106%	60 - 140	
Toluene-d ₈	103%	106%	101%	107%	106%	60 - 140	
4-Bromofluorobenzene	106%	109%	103%	108%	110%	60 - 140	

ND = Not Detected



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JONES ENVIRONMENTAL

LABORATORY RESULTS

Client: Ninyo & Moore, Inc.
Client Address: 475 Goddard, Suite 200
Irvine, CA 92618

Attn: Nancy Anglin

Project Cal Trans TO-15
Project Address: 777 N. Front Street., Burbank, CA

Report Date: 04/24/09
JEL Ref. No.: C-1513
Client Ref. No.: TO-15

Date Sampled: 04/23/09
Date Received: 04/23/09
Date Analyzed: 04/23/09
Physical State: Soil Gas

EPA 8260B- Volatile Organics by GC/MS + Oxygenates/

Volatile Hydrocarbons as Gasoline

<u>Sample ID:</u>	<u>1001-114-</u> <u>25</u> <u>SG</u>	<u>1001-114-</u> <u>40</u> <u>SG</u>	<u>1001-116-</u> <u>40</u> <u>SG</u>	<u>1001-116-</u> <u>25</u> <u>SG</u>	<u>1001-116-</u> <u>15</u> <u>SG</u>	<u>Practical</u> <u>Quantitation</u> <u>Limits</u>	<u>Units</u>
Analytes:							
Benzene	ND	ND	ND	ND	ND	20	ug/M ³
Bromobenzene	ND	ND	ND	ND	ND	20	ug/M ³
Bromodichloromethane	ND	ND	ND	ND	ND	20	ug/M ³
Bromoform	ND	ND	ND	ND	ND	20	ug/M ³
n-Butylbenzene	ND	ND	ND	ND	ND	20	ug/M ³
sec-Butylbenzene	ND	ND	ND	ND	ND	20	ug/M ³
tert-Butylbenzene	ND	ND	ND	ND	ND	20	ug/M ³
Carbon tetrachloride	ND	ND	ND	ND	ND	20	ug/M ³
Chlorobenzene	ND	ND	ND	ND	ND	20	ug/M ³
Chloroethane	ND	ND	ND	ND	ND	20	ug/M ³
Chloroform	ND	ND	ND	ND	ND	20	ug/M ³
Chloromethane	ND	ND	ND	ND	ND	20	ug/M ³
2-Chlorotoluene	ND	ND	ND	ND	ND	20	ug/M ³
4-Chlorotoluene	ND	ND	ND	ND	ND	20	ug/M ³
Dibromochloromethane	ND	ND	ND	ND	ND	20	ug/M ³
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	20	ug/M ³
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	ND	20	ug/M ³
Dibromomethane	ND	ND	ND	ND	ND	20	ug/M ³
1,2- Dichlorobenzene	ND	ND	ND	ND	ND	20	ug/M ³
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	20	ug/M ³
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	20	ug/M ³
Dichlorodifluoromethane	ND	ND	ND	ND	ND	20	ug/M ³
1,1-Dichloroethane	ND	ND	ND	ND	ND	20	ug/M ³
1,2-Dichloroethane	ND	ND	ND	ND	ND	20	ug/M ³
1,1-Dichloroethene	ND	ND	1530	685	296	20	ug/M ³

ND = Not Detected



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JONES ENVIRONMENTAL

LABORATORY RESULTS

Client: Ninyo & Moore, Inc.
Client Address: 475 Goddard, Suite 200
Irvine, CA 92618

Report Date: 04/24/09
JEL Ref. No.: C-1513
Client Ref. No.: TO-15

Attn: Nancy Anglin

Date Sampled: 04/23/09

Project Cal Trans TO-15

Date Received: 04/23/09

Project Address: 777 N. Front Street., Burbank, CA

Date Analyzed: 04/23/09

Physical State: Soil Gas

EPA 8260B- Volatile Organics by GC/MS + Oxygenates/

Volatile Hydrocarbons as Gasoline

<u>Sample ID:</u>	<u>1001-114-</u> <u>25</u> <u>SG</u>	<u>1001-114-</u> <u>40</u> <u>SG</u>	<u>1001-116-</u> <u>40</u> <u>SG</u>	<u>1001-</u> <u>116-</u> <u>25</u> <u>SG</u>	<u>1001-116-</u> <u>15</u> <u>SG</u>	<u>Practical</u> <u>Quantitation</u> <u>Limits</u>	<u>Units</u>
Analytes:							
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	20	ug/M ³
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	20	ug/M ³
1,2-Dichloropropane	ND	ND	ND	ND	ND	20	ug/M ³
1,3-Dichloropropane	ND	ND	ND	ND	ND	20	ug/M ³
2,2-Dichloropropane	ND	ND	ND	ND	ND	20	ug/M ³
1,1-Dichloropropene	ND	ND	ND	ND	ND	20	ug/M ³
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	20	ug/M ³
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	20	ug/M ³
Ethylbenzene	ND	ND	ND	ND	ND	20	ug/M ³
Freon 113	ND	ND	58	34	ND	20	ug/M ³
Hexachlorobutadiene	ND	ND	ND	ND	ND	20	ug/M ³
Isopropylbenzene	ND	ND	ND	ND	ND	20	ug/M ³
4-Isopropyltoluene	ND	ND	ND	ND	ND	20	ug/M ³
Methylene chloride	ND	ND	ND	ND	ND	20	ug/M ³
Naphthalene	ND	ND	ND	ND	ND	20	ug/M ³
n-Propylbenzene	ND	ND	ND	ND	ND	20	ug/M ³
Styrene	ND	ND	ND	ND	ND	20	ug/M ³
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	20	ug/M ³
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	20	ug/M ³
Tetrachloroethylene	268	193	241	90	ND	20	ug/M ³
Toluene	99	157	203	155	242	20	ug/M ³
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	20	ug/M ³
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	20	ug/M ³
1,1,1-Trichloroethane	ND	ND	1090	1460	1040	20	ug/M ³
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	20	ug/M ³
Trichloroethylene	ND	ND	42	ND	ND	20	ug/M ³

ND = Not Detected



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JONES ENVIRONMENTAL

LABORATORY RESULTS

Client: Ninyo & Moore, Inc.
Client Address: 475 Goddard, Suite 200
Irvine, CA 92618

Report Date: 04/24/09
JEL Ref. No.: C-1513
Client Ref. No.: TO-15

Attn: Nancy Anglin

Date Sampled: 04/23/09
Date Received: 04/23/09
Date Analyzed: 04/23/09
Physical State: Soil Gas

Project Cal Trans TO-15
Project Address: 777 N. Front Street., Burbank, CA

EPA 8260B- Volatile Organics by GC/MS + Oxygenates/

Volatile Hydrocarbons as Gasoline

<u>Sample ID:</u>	<u>1001-114-</u> <u>25</u> <u>SG</u>	<u>1001-114-</u> <u>40</u> <u>SG</u>	<u>1001-116-</u> <u>40</u> <u>SG</u>	<u>1001-116-</u> <u>25</u> <u>SG</u>	<u>1001-116-</u> <u>15</u> <u>SG</u>	<u>Practical</u> <u>Quantitation</u> <u>Limits</u>	<u>Units</u>
Analytes:							
Trichlorofluoromethane	ND	ND	ND	ND	ND	20	ug/M ³
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	20	ug/M ³
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	20	ug/M ³
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	20	ug/M ³
Vinyl chloride	ND	ND	ND	ND	ND	20	ug/M ³
Xylenes	ND	ND	ND	ND	ND	20	ug/M ³
MTBE	ND	ND	ND	ND	ND	20	ug/M ³
Ethyl-tert-butylether	ND	ND	ND	ND	ND	20	ug/M ³
Di-isopropylether	ND	ND	ND	ND	ND	20	ug/M ³
tert-amylmethylether	ND	ND	ND	ND	ND	20	ug/M ³
tert-Butylalcohol	ND	ND	ND	ND	ND	100	ug/M ³
Gasoline	ND	ND	203	ND	242	200	ug/M ³
TIC							
n-Propanol	ND	ND	ND	ND	ND	20	ug/M ³
Dilution Factor	1	1	1	1	1		
Surrogate Recovery :						QC Limits	
Dibromofluoromethane	107%	109%	99%	100%	107%	60 - 140	
Toluene-d ₈	106%	100%	110%	108%	104%	60 - 140	
4-Bromofluorobenzene	111%	108%	109%	105%	106%	60 - 140	

ND = Not Detected



Jones Environmental, Inc.

Testing Laboratories

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(714) 449-9937 • FAX (714) 4499685

JONES ENVIRONMENTAL

LABORATORY RESULTS

Client: Ninyo & Moore, Inc.
Client Address: 475 Goddard, Suite 200
Irvine, CA 92618

Attn: Nancy Anglin

Project Cal Trans TO-15
Project Address: 777 N. Front Street., Burbank, CA

Report Date: 04/24/09
JEL Ref. No.: C-1513
Client Ref. No.: TO-15

Date Sampled: 04/23/09
Date Received: 04/23/09
Date Analyzed: 04/23/09
Physical State: Soil Gas

EPA 8260B- Volatile Organics by GC/MS + Oxygenates/

Volatile Hydrocarbons as Gasoline

<u>Sample ID:</u>	<u>1001-116-</u> <u>5</u> <u>SG</u>	<u>1001-118-</u> <u>5</u> <u>SG</u>	<u>1001-118-</u> <u>15</u> <u>SG</u>	<u>1001-118-</u> <u>25</u> <u>SG</u>	<u>1001-118-</u> <u>40</u> <u>SG</u>	<u>Practical</u> <u>Quantitation</u> <u>Limits</u>	<u>Units</u>
Analytes:							
Benzene	ND	ND	ND	ND	ND	20	ug/M ³
Bromobenzene	ND	ND	ND	ND	ND	20	ug/M ³
Bromodichloromethane	ND	ND	ND	ND	ND	20	ug/M ³
Bromoform	ND	ND	ND	ND	ND	20	ug/M ³
n-Butylbenzene	ND	ND	ND	ND	ND	20	ug/M ³
sec-Butylbenzene	ND	ND	ND	ND	ND	20	ug/M ³
tert-Butylbenzene	ND	ND	ND	ND	ND	20	ug/M ³
Carbon tetrachloride	ND	ND	ND	ND	ND	20	ug/M ³
Chlorobenzene	ND	ND	ND	ND	ND	20	ug/M ³
Chloroethane	ND	ND	ND	ND	ND	20	ug/M ³
Chloroform	ND	ND	ND	ND	ND	20	ug/M ³
Chloromethane	ND	ND	ND	ND	ND	20	ug/M ³
2-Chlorotoluene	ND	ND	ND	ND	ND	20	ug/M ³
4-Chlorotoluene	ND	ND	ND	ND	ND	20	ug/M ³
Dibromochloromethane	ND	ND	ND	ND	ND	20	ug/M ³
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	20	ug/M ³
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	ND	20	ug/M ³
Dibromomethane	ND	ND	ND	ND	ND	20	ug/M ³
1,2- Dichlorobenzene	ND	ND	ND	ND	ND	20	ug/M ³
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	20	ug/M ³
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	20	ug/M ³
Dichlorodifluoromethane	ND	ND	ND	ND	ND	20	ug/M ³
1,1-Dichloroethane	ND	ND	ND	ND	ND	20	ug/M ³
1,2-Dichloroethane	ND	ND	ND	ND	ND	20	ug/M ³
1,1-Dichloroethene	ND	ND	ND	ND	ND	20	ug/M ³

ND = Not Detected



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JONES ENVIRONMENTAL

LABORATORY RESULTS

Client: Ninyo & Moore, Inc.
Client Address: 475 Goddard, Suite 200
Irvine, CA 92618

Report Date: 04/24/09
JEL Ref. No.: C-1513
Client Ref. No.: TO-15

Attn: Nancy Anglin

Date Sampled: 04/23/09
Date Received: 04/23/09
Date Analyzed: 04/23/09
Physical State: Soil Gas

Project Cal Trans TO-15
Project Address: 777 N. Front Street., Burbank, CA

EPA 8260B- Volatile Organics by GC/MS + Oxygenates/

Volatile Hydrocarbons as Gasoline

<u>Sample ID:</u>	<u>1001-116-</u> <u>5</u> <u>SG</u>	<u>1001-118-</u> <u>5</u> <u>SG</u>	<u>1001-118-</u> <u>15</u> <u>SG</u>	<u>1001-</u> <u>118-</u> <u>25</u> <u>SG</u>	<u>1001-118-</u> <u>40</u> <u>SG</u>	<u>Practical</u> <u>Quantitation</u> <u>Limits</u>	<u>Units</u>
Analytes:							
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	20	ug/M ³
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	20	ug/M ³
1,2-Dichloropropane	ND	ND	ND	ND	ND	20	ug/M ³
1,3-Dichloropropane	ND	ND	ND	ND	ND	20	ug/M ³
2,2-Dichloropropane	ND	ND	ND	ND	ND	20	ug/M ³
1,1-Dichloropropene	ND	ND	ND	ND	ND	20	ug/M ³
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	20	ug/M ³
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	20	ug/M ³
Ethylbenzene	ND	ND	ND	ND	ND	20	ug/M ³
Freon 113	ND	ND	ND	ND	ND	20	ug/M ³
Hexachlorobutadiene	ND	ND	ND	ND	ND	20	ug/M ³
Isopropylbenzene	ND	ND	ND	ND	ND	20	ug/M ³
4-Isopropyltoluene	ND	ND	ND	ND	ND	20	ug/M ³
Methylene chloride	ND	ND	ND	ND	ND	20	ug/M ³
Naphthalene	ND	ND	ND	ND	ND	20	ug/M ³
n-Propylbenzene	ND	ND	ND	ND	ND	20	ug/M ³
Styrene	ND	ND	ND	ND	ND	20	ug/M ³
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	20	ug/M ³
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	20	ug/M ³
Tetrachloroethylene	ND	1230	560	4910	27100	20	ug/M ³
Toluene	231	ND	107	ND	ND	20	ug/M ³
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	20	ug/M ³
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	20	ug/M ³
1,1,1-Trichloroethane	581	ND	ND	ND	ND	20	ug/M ³
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	20	ug/M ³
Trichloroethylene	ND	ND	ND	ND	22	20	ug/M ³

ND = Not Detected



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LABORATORY RESULTS

Client: Ninyo & Moore, Inc.
Client Address: 475 Goddard, Suite 200
Irvine, CA 92618

Report Date: 04/24/09
JEL Ref. No.: C-1513
Client Ref. No.: TO-15

Attn: Nancy Anglin

Date Sampled: 04/23/09
Date Received: 04/23/09
Date Analyzed: 04/23/09
Physical State: Soil Gas

Project Cal Trans TO-15
Project Address: 777 N. Front Street., Burbank, CA

EPA 8260B- Volatile Organics by GC/MS + Oxygenates/

Volatile Hydrocarbons as Gasoline

<u>Sample ID:</u>	<u>1001-116-</u> <u>5</u> <u>SG</u>	<u>1001-118-</u> <u>5</u> <u>SG</u>	<u>1001-118-</u> <u>15</u> <u>SG</u>	<u>1001-118-</u> <u>25</u> <u>SG</u>	<u>1001-118-</u> <u>40</u> <u>SG</u>	<u>Practical</u> <u>Quantitation</u> <u>Limits</u>	<u>Units</u>
Analytes:							
Trichlorofluoromethane	ND	ND	ND	ND	ND	20	ug/M ³
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	20	ug/M ³
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	20	ug/M ³
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	20	ug/M ³
Vinyl chloride	ND	ND	ND	ND	ND	20	ug/M ³
Xylenes	ND	ND	ND	ND	ND	20	ug/M ³
MTBE	ND	ND	ND	ND	ND	20	ug/M ³
Ethyl-tert-butylether	ND	ND	ND	ND	ND	20	ug/M ³
Di-isopropylether	ND	ND	ND	ND	ND	20	ug/M ³
tert-amylmethylether	ND	ND	ND	ND	ND	20	ug/M ³
tert-Butylalcohol	ND	ND	ND	ND	ND	100	ug/M ³
Gasoline	ND	ND	ND	ND	ND	200	ug/M ³
TIC							
n-Propanol	ND	ND	ND	ND	ND	20	ug/M ³
Dilution Factor	1	1	1	4	1		
Surrogate Recovery :						QC Limits	
Dibromofluoromethane	106%	106%	97%	106%	103%	60 - 140	
Toluene-d ₈	106%	98%	104%	98%	102%	60 - 140	
4-Bromofluorobenzene	109%	100%	95%	100%	102%	60 - 140	

ND = Not Detected



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JONES ENVIRONMENTAL

QUALITY CONTROL INFORMATION

Client:	Ninyo & Moore, Inc.	Report Date:	04/24/09
Client Address:	475 Goddard, Suite 200	JEL Ref. No.:	C-1513
	Irvine, CA 92618	Client Ref. No.:	TO-15
Attn:	Nancy Anglin	Date Sampled:	04/23/09
		Date Received:	04/23/09
Project	Cal Trans TO-15	Date Analyzed:	04/23/09
Project Address:	777 N. Front Street., Burbank, CA	Physical State:	Soil Gas

**EPA 8260B- Volatile Organics by GC/MS + Oxygenates/
Volatile Hydrocarbons as Gasoline**

Sample Spiked: AMBIENT AIR

<u>Parameter</u>	<u>MS Recovery (%)</u>	<u>MSD Recovery (%)</u>	<u>RPD</u>	<u>Acceptability Range (%)</u>
1,1-Dichloroethylene	124%	129%	3.9%	60 - 140
Benzene	113%	108%	4.3%	60 - 140
Trichloroethylene	98%	101%	3.8%	60 - 140
Toluene	115%	119%	3.2%	60 - 140
Chlorobenzene	109%	105%	3.7%	60 - 140
Gasoline	112%	113%	0.8%	60 - 140

Method Blank = Not Detected

MS = Matrix Spike
MSD = Matrix Spike Duplicate
RPD = Relative Percent Difference

Chain-of-Custody Record

Client Ninjo & Moore	Date 04/23/09
Project Name Cal Trans	Client Project #
Project Address 777 N. Front St.	Turn Around Requested:
Burbank, CA	☐ Immediate Attention ☐ Rush 24-48 Hours ☐ Rush 72-96 Hours ☐ Normal ☒ Mobile Lab
Project Contact Tommy	

SOIL GAS
 Purge Vol: ☐ 1P ☐ 3P ☒ 7P
 Tracer: **N Propane**
 Purge Rate: **~200** cc/min

JEL Project #
C-1513

Page **1** of **1**

Lab Use Only

Sample Condition as Received:

Chilled ☐ yes ☒ no

Sealed ☒ yes ☐ no

Sample ID	Purge Volume	Discussion	Date	Time	Laboratory Sample Number	Analysis Requested	Number of Containers	Remarks/Special Instructions
1001-115-5-SG		7 Purge Vol.	4/23/09	09:00	C-1513-1	SG X X	1	Glass Gaslight Syringe
1001-115-15-SG		"	4/23/09	09:15	C-1513-2	SG X X	1	"
1001-115-25-SG		"	4/23/09	09:30	C-1513-3	SG X X	1	"
1001-115-40-SG		"	4/23/09	09:45	C-1513-4	SG X X	1	"
1001-115-25-SG DUP		"	4/23/09	10:03	C-1513-5	SG X X	1	"
1001-114-25-SG		"	4/23/09	10:22	C-1513-6	SG X Y	1	"
1001-114-40-SG		"	4/23/09	10:40	C-1513-7	SG X X	1	"
1001-116-40-SG		"	4/23/09	11:10	C-1513-8	SG X X	1	"
1001-116-25-SG		"	4/23/09	11:30	C-1513-9	SG X X	1	"
1001-116-15-SG		"	4/23/09	12:35	C-1513-10	SG X X	1	"

1 Relinquished by (signature) Tommy	Date 4/23/09	2 Received by (signature) [Signature]	Date 4/23/09	Total Number of Containers
Company Ninjo & Moore	Time 15:35	Company JEL	Time 15:35	
3 Relinquished by (signature)	Date	4 Received by Laboratory (signature)	Date	
Company	Time	Company	Time	

The delivery of samples and the signature on this Chain of Custody form constitutes authorization to perform the analyses specified above under the Terms and Conditions set forth on the back hereof.

Chain-of-Custody Record

Client Ningo & Moore		Date 04/23/09	
Project Name Cal Trans		Client Project #	
Project Address 777 N. Front St.		Turn Around Requested: ☐ Immediate Attention ☐ Rush 24-48 Hours ☐ Rush 72-96 Hours ☐ Normal ☒ Mobile Lab	
Project Contact Burbank, CA			
Project Contact Tommy			
SOIL GAS Purge Vol: ☐ 1P ☐ 3P ☒ 7P Tracer: n-propanol Purge Rate: -200 cc/min		Analysis Requested Sample Matrix: Soil (S), Sludge (SL), Aqueous (A), Soil Gas (SG) 92608 TPH-G Number of Containers	
JEL Project # C-1513		Page 2 of 2	
Lab Use Only		Sample Condition as Received: Chilled ☐ yes ☒ no Sealed ☒ yes ☐ no	

Sample ID	Purge Volume	Discussion	Date	Time	Laboratory Sample Number	SG	X	X								Number of Containers	Remarks/Special Instructions
1001-116-5-SG		7Purge Vol.	4/23/09	12:51	C-1513-11	SG	X	X								1	Glass Gastight Syringe
1001-118-5-SG		" "	4/23/09	14:00	C-1513-12	SG	X	X								1	" "
1001-118-15-SG		" "	4/23/09	14:19	C-1513-13	SG	X	X								1	" "
1001-118-25-SG		" "	4/23/09	14:35	C-1513-14	SG	X	X								1	" "
1001-118-40-SG		" "	4/23/09	14:55	C-1513-15	SG	X	X								1	" "

1 Relinquished by (signature) 		Date 4/23/09		2 Received by (signature) 		Date 4/23/09		Total Number of Containers	
Company Ningo & Moore		Time 15:35		Company JEL		Time 15:35		The delivery of samples and the signature on this Chain of Custody form constitutes authorization to perform the analyses specified above under the Terms and Conditions set forth on the back hereof.	
3 Relinquished by (signature)		Date		4 Received by Laboratory (signature)		Date			
Company		Time		Company		Time			



Jones Environmental, Inc.

Testing Laboratories

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JONES ENVIRONMENTAL

LABORATORY REPORT

Client:	Ninyo & Moore, Inc.	Report Date:	04/24/09
Client Address:	475 Goddard, Suite 200 Irvine, CA 92618	JEL Ref. No.:	C-1514
		Client Ref. No.:	TO-15
Attn:	Nancy Anglin	Date Sampled:	04/24/09
		Date Received:	04/24/09
Project	Cal Trans TO-15	Date Analyzed:	04/24/09
Project Address:	777 N. Front Street., Burbank, CA	Physical State:	Soil Gas

ANALYSES REQUESTED

1. EPA 8260B- Volatile Organics by GC/MS + Oxygenates
1. EPA 8260B- Volatile Hydrocarbons as Gasoline by GC/MS

Sampling – Soil Gas samples are collected in glass gas-tight syringes equipped with Teflon plungers. Tubing placed in the ground for soil gas sampling is purged three different times as recommended by DTSC/RWQCB regulations. This purge test determines how many purges of the soil gas tubing are needed throughout the project. One, three and seven purge volumes were analyzed to make this determination.

A tracer gas, n-Propanol, was placed at the tubing-surface interface before sampling. This compound is analyzed during the 8260B analytical run to determine if there are surface leaks into the subsurface due to improper installation of the probe. No n-Propanol was found in any of the samples reported herein.

The sampling rate was approximately 200 cc/min except when noted differently on the chain of custody record using a gas tight syringe. 7 purge volumes were used since this purging level gave the highest results for the compound(s) of greatest interest.

Analytical – Soil Gas samples were analyzed using EPA Method 8260 that includes extra compounds required by DTSC/RWQCB (such as Freon 113). Instrument Continuing Calibration Verification, QC Reference Standards, Instrument Blanks and Ambient Air Blanks are analyzed every 12 hours as prescribed by the method. In addition, Matrix Spike (MS) and Matrix Spike Duplicates (MSD) are analyzed with each batch of Soil Gas samples. A duplicate sample is analyzed each day of the sampling activity.

All samples were analyzed within 30 minutes of sampling.

Approval:

Steve Jones, Ph.D.
Laboratory Manager



Jones Environmental, Inc.

Testing Laboratories

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JONES ENVIRONMENTAL

LABORATORY RESULTS

Client: Ninyo & Moore, Inc.
Client Address: 475 Goddard, Suite 200
Irvine, CA 92618

Attn: Nancy Anglin

Project Cal Trans TO-15
Project Address: 777 N. Front Street., Burbank, CA

Report Date: 04/24/09
JEL Ref. No.: C-1514
Client Ref. No.: TO-15

Date Sampled: 04/24/09
Date Received: 04/24/09
Date Analyzed: 04/24/09
Physical State: Soil Gas

EPA 8260B- Volatile Organics by GC/MS + Oxygenates/

Volatile Hydrocarbons as Gasoline

<u>Sample ID:</u>	<u>1001-119-</u> <u>5</u> <u>SG</u>	<u>1001-119-</u> <u>15</u> <u>SG</u>	<u>1001-119-</u> <u>25</u> <u>SG</u>	<u>1001-119-</u> <u>40</u> <u>SG</u>	<u>1001-120-</u> <u>5</u> <u>SG</u>	<u>Practical</u> <u>Quantitation</u> <u>Limits</u>	<u>Units</u>
Analytes:							
Benzene	ND	ND	ND	ND	ND	20	ug/M ³
Bromobenzene	ND	ND	ND	ND	ND	20	ug/M ³
Bromodichloromethane	ND	ND	ND	ND	ND	20	ug/M ³
Bromoform	ND	ND	ND	ND	ND	20	ug/M ³
n-Butylbenzene	ND	ND	ND	ND	ND	20	ug/M ³
sec-Butylbenzene	ND	ND	ND	ND	ND	20	ug/M ³
tert-Butylbenzene	ND	ND	ND	ND	ND	20	ug/M ³
Carbon tetrachloride	ND	ND	ND	ND	ND	20	ug/M ³
Chlorobenzene	ND	ND	ND	ND	ND	20	ug/M ³
Chloroethane	ND	ND	ND	ND	ND	20	ug/M ³
Chloroform	ND	124	398	725	ND	20	ug/M ³
Chloromethane	ND	ND	ND	ND	ND	20	ug/M ³
2-Chlorotoluene	ND	ND	ND	ND	ND	20	ug/M ³
4-Chlorotoluene	ND	ND	ND	ND	ND	20	ug/M ³
Dibromochloromethane	ND	ND	ND	ND	ND	20	ug/M ³
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	20	ug/M ³
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	ND	20	ug/M ³
Dibromomethane	ND	ND	ND	ND	ND	20	ug/M ³
1,2- Dichlorobenzene	ND	ND	ND	ND	ND	20	ug/M ³
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	20	ug/M ³
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	20	ug/M ³
Dichlorodifluoromethane	ND	ND	ND	ND	ND	20	ug/M ³
1,1-Dichloroethane	ND	ND	ND	ND	ND	20	ug/M ³
1,2-Dichloroethane	ND	ND	ND	ND	ND	20	ug/M ³
1,1-Dichloroethene	ND	ND	ND	ND	ND	20	ug/M ³

ND = Not Detected



Jones Environmental, Inc.

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JONES ENVIRONMENTAL

LABORATORY RESULTS

Client: Ninyo & Moore, Inc.
Client Address: 475 Goddard, Suite 200
Irvine, CA 92618

Report Date: 04/24/09
JEL Ref. No.: C-1514
Client Ref. No.: TO-15

Attn: Nancy Anglin

Date Sampled: 04/24/09
Date Received: 04/24/09
Date Analyzed: 04/24/09
Physical State: Soil Gas

Project Cal Trans TO-15
Project Address: 777 N. Front Street., Burbank, CA

EPA 8260B- Volatile Organics by GC/MS + Oxygenates/

Volatile Hydrocarbons as Gasoline

<u>Sample ID:</u>	<u>1001-119-</u> <u>5</u> <u>SG</u>	<u>1001-119-</u> <u>15</u> <u>SG</u>	<u>1001-119-</u> <u>25</u> <u>SG</u>	<u>1001-</u> <u>119-</u> <u>40</u> <u>SG</u>	<u>1001-120-</u> <u>5</u> <u>SG</u>	<u>Practical</u> <u>Quantitation</u> <u>Limits</u>	<u>Units</u>
Analytes:							
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	20	ug/M ³
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	20	ug/M ³
1,2-Dichloropropane	ND	ND	ND	ND	ND	20	ug/M ³
1,3-Dichloropropane	ND	ND	ND	ND	ND	20	ug/M ³
2,2-Dichloropropane	ND	ND	ND	ND	ND	20	ug/M ³
1,1-Dichloropropene	ND	ND	ND	ND	ND	20	ug/M ³
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	20	ug/M ³
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	20	ug/M ³
Ethylbenzene	ND	ND	ND	ND	ND	20	ug/M ³
Freon 113	ND	52	ND	96	ND	20	ug/M ³
Hexachlorobutadiene	ND	ND	ND	ND	ND	20	ug/M ³
Isopropylbenzene	ND	ND	ND	ND	ND	20	ug/M ³
4-Isopropyltoluene	ND	ND	ND	ND	ND	20	ug/M ³
Methylene chloride	ND	ND	ND	ND	ND	20	ug/M ³
Naphthalene	ND	ND	ND	ND	ND	20	ug/M ³
n-Propylbenzene	ND	ND	ND	ND	ND	20	ug/M ³
Styrene	ND	ND	ND	ND	ND	20	ug/M ³
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	20	ug/M ³
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	20	ug/M ³
Tetrachloroethylene	2000	3050	5270	7750	10000	20	ug/M ³
Toluene	ND	103	100	ND	335	20	ug/M ³
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	20	ug/M ³
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	20	ug/M ³
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	20	ug/M ³
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	20	ug/M ³
Trichloroethylene	795	ND	5710	6920	22	20	ug/M ³

ND = Not Detected



Jones Environmental, Inc.

Testing Laboratories

P.O. Box 5387 • Fullerton, CA 92838
(714) 449-9937 • FAX (714) 4499685

JONES ENVIRONMENTAL

LABORATORY RESULTS

Client: Ninyo & Moore, Inc.
Client Address: 475 Goddard, Suite 200
Irvine, CA 92618

Report Date: 04/24/09
JEL Ref. No.: C-1514
Client Ref. No.: TO-15

Attn: Nancy Anglin

Date Sampled: 04/24/09
Date Received: 04/24/09
Date Analyzed: 04/24/09
Physical State: Soil Gas

Project Cal Trans TO-15
Project Address: 777 N. Front Street., Burbank, CA

EPA 8260B- Volatile Organics by GC/MS + Oxygenates/

Volatile Hydrocarbons as Gasoline

<u>Sample ID:</u>	<u>1001-119- 5 SG</u>	<u>1001-119- 15 SG</u>	<u>1001-119- 25 SG</u>	<u>1001-119- 40 SG</u>	<u>1001-120- 5 SG</u>	<u>Practical Quantitation Limits</u>	<u>Units</u>
Analytes:							
Trichlorofluoromethane	ND	ND	ND	ND	ND	20	ug/M ³
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	20	ug/M ³
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	20	ug/M ³
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	20	ug/M ³
Vinyl chloride	ND	ND	ND	ND	ND	20	ug/M ³
Xylenes	ND	ND	ND	ND	ND	20	ug/M ³
MTBE	ND	ND	ND	ND	ND	20	ug/M ³
Ethyl-tert-butylether	ND	ND	ND	ND	ND	20	ug/M ³
Di-isopropylether	ND	ND	ND	ND	ND	20	ug/M ³
tert-amylmethylether	ND	ND	ND	ND	ND	20	ug/M ³
tert-Butylalcohol	ND	ND	ND	ND	ND	100	ug/M ³
Gasoline	ND	ND	ND	ND	ND	200	ug/M ³
TIC							
n-Propanol	ND	ND	ND	ND	ND	20	ug/M ³
Dilution Factor	1	1	1	1	1		
Surrogate Recovery :						QC Limits	
Dibromofluoromethane	100%	100%	98%	98%	102%	60 - 140	
Toluene-d ₈	109%	107%	104%	106%	107%	60 - 140	
4-Bromofluorobenzene	105%	104%	101%	103%	105%	60 - 140	

ND = Not Detected



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Attn: Nancy Anglin

Date Sampled: 04/24/09
Date Received: 04/24/09
Date Analyzed: 04/24/09
Physical State: Soil Gas

Project Cal Trans TO-15
Project Address: 777 N. Front Street., Burbank, CA

EPA 8260B- Volatile Organics by GC/MS + Oxygenates/

Volatile Hydrocarbons as Gasoline

Sample ID:	<u>1001-120-</u> <u>15</u> <u>SG</u>	<u>1001-120-</u> <u>25</u> <u>SG</u>	<u>1001-120-</u> <u>40</u> <u>SG</u>	<u>1001-120-</u> <u>5</u> <u>SG</u> <u>DUP</u>	Practical Quantitation Limits	Units
Analytes:						
Benzene	ND	ND	ND	ND	20	ug/M ³
Bromobenzene	ND	ND	ND	ND	20	ug/M ³
Bromodichloromethane	ND	ND	ND	ND	20	ug/M ³
Bromoform	ND	ND	ND	ND	20	ug/M ³
n-Butylbenzene	ND	ND	ND	ND	20	ug/M ³
sec-Butylbenzene	ND	ND	ND	ND	20	ug/M ³
tert-Butylbenzene	ND	ND	ND	ND	20	ug/M ³
Carbon tetrachloride	ND	ND	ND	ND	20	ug/M ³
Chlorobenzene	ND	ND	ND	ND	20	ug/M ³
Chloroethane	ND	ND	ND	ND	20	ug/M ³
Chloroform	ND	ND	ND	ND	20	ug/M ³
Chloromethane	ND	ND	ND	ND	20	ug/M ³
2-Chlorotoluene	ND	ND	ND	ND	20	ug/M ³
4-Chlorotoluene	ND	ND	ND	ND	20	ug/M ³
Dibromochloromethane	ND	ND	ND	ND	20	ug/M ³
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	20	ug/M ³
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	20	ug/M ³
Dibromomethane	ND	ND	ND	ND	20	ug/M ³
1,2- Dichlorobenzene	ND	ND	ND	ND	20	ug/M ³
1,3-Dichlorobenzene	ND	ND	ND	ND	20	ug/M ³
1,4-Dichlorobenzene	ND	ND	ND	ND	20	ug/M ³
Dichlorodifluoromethane	ND	ND	ND	ND	20	ug/M ³
1,1-Dichloroethane	ND	ND	ND	ND	20	ug/M ³
1,2-Dichloroethane	ND	ND	ND	ND	20	ug/M ³
1,1-Dichloroethene	ND	109	171	ND	20	ug/M ³

ND = Not Detected



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JONES ENVIRONMENTAL

LABORATORY RESULTS

Client: Ninyo & Moore, Inc.
Client Address: 475 Goddard, Suite 200
Irvine, CA 92618

Report Date: 04/24/09
JEL Ref. No.: C-1514
Client Ref. No.: TO-15

Attn: Nancy Anglin

Date Sampled: 04/24/09
Date Received: 04/24/09
Date Analyzed: 04/24/09
Physical State: Soil Gas

Project Cal Trans TO-15
Project Address: 777 N. Front Street., Burbank, CA

EPA 8260B- Volatile Organics by GC/MS + Oxygenates/

Volatile Hydrocarbons as Gasoline

<u>Sample ID:</u>	<u>1001-120-</u> <u>15</u> <u>SG</u>	<u>1001-120-</u> <u>25</u> <u>SG</u>	<u>1001-120-</u> <u>40</u> <u>SG</u>	<u>1001-</u> <u>120-</u> <u>5</u> <u>SG</u> <u>DUP</u>	<u>Practical</u> <u>Quantitation</u> <u>Limits</u>	<u>Units</u>
Analytes:						
cis-1,2-Dichloroethene	ND	ND	ND	ND	20	ug/M ³
trans-1,2-Dichloroethene	ND	ND	ND	ND	20	ug/M ³
1,2-Dichloropropane	ND	ND	ND	ND	20	ug/M ³
1,3-Dichloropropane	ND	ND	ND	ND	20	ug/M ³
2,2-Dichloropropane	ND	ND	ND	ND	20	ug/M ³
1,1-Dichloropropene	ND	ND	ND	ND	20	ug/M ³
cis-1,3-Dichloropropene	ND	ND	ND	ND	20	ug/M ³
trans-1,3-Dichloropropene	ND	ND	ND	ND	20	ug/M ³
Ethylbenzene	ND	ND	ND	ND	20	ug/M ³
Freon 113	118	165	195	ND	20	ug/M ³
Hexachlorobutadiene	ND	ND	ND	ND	20	ug/M ³
Isopropylbenzene	ND	ND	ND	ND	20	ug/M ³
4-Isopropyltoluene	ND	ND	ND	ND	20	ug/M ³
Methylene chloride	ND	ND	ND	ND	20	ug/M ³
Naphthalene	ND	ND	ND	ND	20	ug/M ³
n-Propylbenzene	ND	ND	ND	ND	20	ug/M ³
Styrene	ND	ND	ND	ND	20	ug/M ³
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	20	ug/M ³
1,1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	20	ug/M ³
Tetrachloroethylene	6760	9020	3150	9790	20	ug/M ³
Toluene	209	190	329	320	20	ug/M ³
1,2,3-Trichlorobenzene	ND	ND	ND	ND	20	ug/M ³
1,2,4-Trichlorobenzene	ND	ND	ND	ND	20	ug/M ³
1,1,1-Trichloroethane	ND	ND	ND	ND	20	ug/M ³
1,1,2-Trichloroethane	ND	ND	ND	ND	20	ug/M ³
Trichloroethylene	158	589	198	ND	20	ug/M ³

ND = Not Detected



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Testing Laboratories

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JONES ENVIRONMENTAL

LABORATORY RESULTS

Client: Ninyo & Moore, Inc.
Client Address: 475 Goddard, Suite 200
Irvine, CA 92618

Report Date: 04/24/09
JEL Ref. No.: C-1514
Client Ref. No.: TO-15

Attn: Nancy Anglin

Date Sampled: 04/24/09
Date Received: 04/24/09
Date Analyzed: 04/24/09
Physical State: Soil Gas

Project Cal Trans TO-15
Project Address: 777 N. Front Street., Burbank, CA

EPA 8260B- Volatile Organics by GC/MS + Oxygenates/

Volatile Hydrocarbons as Gasoline

<u>Sample ID:</u>	<u>1001-120- 15 SG</u>	<u>1001-120- 25 SG</u>	<u>1001-120- 40 SG</u>	<u>1001-120- 5 SG DUP</u>	<u>Practical Quantitation Limits</u>	<u>Units</u>
Analytes:						
Trichlorofluoromethane	ND	ND	ND	ND	20	ug/M ³
1,2,3-Trichloropropane	ND	ND	ND	ND	20	ug/M ³
1,2,4-Trimethylbenzene	ND	ND	ND	ND	20	ug/M ³
1,3,5-Trimethylbenzene	ND	ND	ND	ND	20	ug/M ³
Vinyl chloride	ND	ND	ND	ND	20	ug/M ³
Xylenes	ND	ND	ND	ND	20	ug/M ³
MTBE	ND	ND	ND	ND	20	ug/M ³
Ethyl-tert-butylether	ND	ND	ND	ND	20	ug/M ³
Di-isopropylether	ND	ND	ND	ND	20	ug/M ³
tert-amylmethylether	ND	ND	ND	ND	20	ug/M ³
tert-Butylalcohol	ND	ND	ND	ND	100	ug/M ³
Gasoline	ND	ND	ND	ND	200	ug/M ³
TIC						
n-Propanol	ND	ND	ND	ND	20	ug/M ³
Dilution Factor	1	1	1	1		
Surrogate Recovery :					QC Limits	
Dibromofluoromethane	98%	97%	97%	98%	60 - 140	
Toluene-d ₈	106%	104%	107%	104%	60 - 140	
4-Bromofluorobenzene	104%	102%	101%	104%	60 - 140	

ND = Not Detected



Jones Environmental, Inc.

Testing Laboratories

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(714) 449-9937 • FAX (714) 4499685**

JONES ENVIRONMENTAL

QUALITY CONTROL INFORMATION

Client:	Ninyo & Moore, Inc.	Report Date:	04/24/09
Client Address:	475 Goddard, Suite 200 Irvine, CA 92618	JEL Ref. No.:	C-1514
		Client Ref. No.:	TO-15
Attn:	Nancy Anglin	Date Sampled:	04/24/09
		Date Received:	04/24/09
Project	Cal Trans TO-15	Date Analyzed:	04/24/09
Project Address:	777 N. Front Street., Burbank, CA	Physical State:	Soil Gas

**EPA 8260B- Volatile Organics by GC/MS + Oxygenates/
Volatile Hydrocarbons as Gasoline**

Sample Spiked: AMBIENT AIR

<u>Parameter</u>	<u>MS Recovery (%)</u>	<u>MSD Recovery (%)</u>	<u>RPD</u>	<u>Acceptability Range (%)</u>
1,1-Dichloroethylene	131%	130%	0.4%	60 - 140
Benzene	111%	114%	2.3%	60 - 140
Trichloroethylene	96%	96%	0.3%	60 - 140
Toluene	104%	106%	1.6%	60 - 140
Chlorobenzene	102%	104%	1.9%	60 - 140
Gasoline	109%	110%	1.1%	60 - 140

Method Blank = Not Detected

MS = Matrix Spike
MSD = Matrix Spike Duplicate
RPD = Relative Percent Difference

Chain-of-Custody Record

Client N+M			Date 4/24/2009			Analysis Requested Sample Matrix: SOIL GAS Soil (S), Sludge (SL), Aqueous (A), Soil Gas (SG) SALOB Full + TPH										JEL Project # C-1514	
Project Name			Client Project #													Page 1 of 1	
Project Address 777 North Front St			Turn Around Requested: ☐ Immediate Attention ☐ Rush 24-48 Hours ☐ Rush 72-96 Hours ☐ Normal ☒ Mobile Lab													Lab Use Only Sample Condition as Received: Chilled ☐ yes ☒ no Sealed ☒ yes ☐ no	
Project Contact Burbank CA			Purge Vol: ☐ 1P ☐ 3P ☒ 7P Tracer: n-pap Purge Rate: 200 cc/min														
Project Contact Tommy																	

Sample ID	Purge Volume	Discussion	Date	Time	Laboratory Sample Number	Sample Matrix	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	Remarks/Special Instructions
1001-119-5-SG			4/24/09	7:20	C-1514-1	SG	X																														
1001-119-15-SG			4/24/09	7:37	C-1514-2	SG	X																														
1001-119-25-SG			4/24/09	7:55	C-1514-3	SG	X																														
1001-119-40-SG			4/24/09	8:15	C-1514-4	SG	X																														
1001-120-5-SG			4/24/09	8:32	C-1514-5	SG	X																														
1001-120-15-SG			4/24/09	8:50	C-1514-6	SG	X																														
1001-120-25-SG			4/24/09	9:07	C-1514-7	SG	X																														
1001-120-40-SG			4/24/09	9:27	C-1514-8	SG	X																														
1001-120-5-SG Deep			4/24/09	9:45	C-1514-9	SG	X																														

1 Relinquished by (signature) 		Date 4/24/09		2 Received by (signature) 		Date 4/24/09		9		Total Number of Containers	
Company Ningo + Moore		Time 10:15		Company JEL		Time 10:15				The delivery of samples and the signature on this Chain of Custody form constitutes authorization to perform the analyses specified above under the Terms and Conditions set forth on the back hereof.	
3 Relinquished by (signature)		Date		4 Received by Laboratory (signature)		Date					
Company		Time		Company		Time					

APPENDIX D

DISPOSAL DOCUMENTATION

NON-HAZARDOUS WASTE MANIFEST		1. Generator ID Number		2. Page 1 of		3. Emergency Response Phone		4. Waste Tracking Number	
		Not Required		1		(562) 786-8200		010728	
5. Generator's Name and Mailing Address						Generator's Site Address (if different than mailing address)			
Dept. of Transportation, Dist. 7, OEECS...						Project Location			
100 S. Main Street, 12th Floor, MS-16 Los Angeles Ca.						777 N. Front Street, Burbank, California			
Generator's Phone:									
6. Transporter 1 Company Name						U.S. EPA ID Number			
KM Industrial, Inc.						CAL000274783			
7. Transporter 2 Company Name						U.S. EPA ID Number			
8. Designated Facility Name and Site Address						U.S. EPA ID Number			
Crosby & Overton						CAD028409019			
1630 W. 16th St. Long Beach CA 90813									
562-432-5445									
Facility's Phone:									
9. Waste Shipping Name and Description					10. Containers		11. Total Quantity	12. Unit Wt./Vol.	
					No.	Type			
1. Non Hazardous Waste Liquids					1	DM	30	G	
2. Non-Hazardous Waste Solids					115G	DM	6000	P	
3.									
4.									
13. Special Handling Instructions and Additional Information						9b(1) Profile #: 80044 9b(2) Profile #: 80045 Wear protective equipment while handling. Weights or volumes are approximate 24 hour emergency telephone number (562) 786-8200 KM Job #: 40387 Appointment #: 060509 Time: 1330 Hours <div style="text-align: right; font-size: 1.2em;">D13602</div>			
14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.									
Generator's/Officer's Printed/Typed Name						Signature		Month Day Year	
Jack Liu On Behalf of Dept. of Transportation						<i>[Signature]</i>		5 27 09	
15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit: _____									
Transporter Signature (for exports only): _____ Date leaving U.S.: _____									
16. Transporter Acknowledgment of Receipt of Materials									
Transporter 1 Printed/Typed Name						Signature		Month Day Year	
Joe Goff						<i>[Signature]</i>		06 05 09	
Transporter 2 Printed/Typed Name						Signature		Month Day Year	
17. Discrepancy									
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection									
Manifest Reference Number: _____									
17b. Alternate Facility (or Generator)						U.S. EPA ID Number			
Facility's Phone: _____									
17c. Signature of Alternate Facility (or Generator)								Month Day Year	
H135/HAI									
18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a									
Printed/Typed Name						Signature		Month Day Year	
Laura Christensen						<i>[Signature]</i>		06 05 09	

APPENDIX E

ACCESS DATABASE

APPENDIX F

PETROLEUM CONTAMINATED SOIL CALCULATIONS AND CONTAMINATION RELATED CONSTRUCTION COSTS

TABLE F1 – PETROLEUM CONTAMINATED SOIL VOLUME CALCULATIONS

Area	Volume
Surface to 2 feet below ground surface	1200 x 60 x 2 feet = 144,000 cubic feet ≈ 5,500 cubic yards
2 to 20 feet below ground surface North portion South portion	180 x 75 x 18 feet = 294,300 cubic feet ≈ 11,000 cubic yards + 75 x 38 x 18 feet
Total Volume	438,300 cubic feet ≈ 16,500 cubic yards

TABLE F2 – COSTS FOR EXCAVATION AND VAPOR MONITORING OF SOIL

Work Plan/Sampling and Analysis Plan/Health and Safety Plan/Soil Management Plan	\$8,000.00
Permitting	\$5,000.00
Excavation and Loading (assumes up to 30 field days)	\$60,000.00
Management, Field Observation, and Vapor Monitoring (assumes up to 30 field days)	\$60,000.00
Laboratory Testing	\$5,000.00
Reporting	\$6,000.00
TOTAL	\$144,000.00
Estimate based on 2009 rates and assumes no more than 30 days of field activities	

TABLE F3 – RANGE OF COSTS FOR TRANSPORT AND DISPOSAL OF PETROLEUM CONTAMINATED SOIL

Transport of up to 24,750 tons of soil to be used as daily cover at the County Sanitation Scholl Canyon Landfill in Glendale, California at \$45.00/ton. Soil can not contain TPH concentrations in excess of 1,000 mg/kg. Soil must be brought in end dumps. Soil containing TPH detections greater than ND but less than 1,000 mg/kg must be permitted by the RWQCB and may not contain odors or it will be rejected.	Transportation	\$866,250.00	
	Disposal	\$247,500.00	
	Total	<u>\$1,113,750.00</u>	≈ \$67.50 /cubic yard
Transport of up to 24,750 tons of soil to be treated at Thermal Remediation Services in Adelanto, California at \$70.00/ton.	Transportation	\$594,000.00	
	Disposal	\$977,625.00	
	Total	<u>\$1,571,625.00</u>	≈ \$95.25 /cubic yard
Transport and disposal of up to 24,750 tons of soil at the Sunshine Class III landfill in Sylmar, California at \$75.00/ton. Soil can not contain TPH concentrations in excess of 100 mg/kg. Soil may not contain odors or it will be rejected.	Transportation	\$1,113,750.00	
	Disposal	\$742,500.00	
	Total	<u>\$1,856,250.00</u>	≈ \$112.50 /cubic yard
Estimate based on 2009 rates and assumes no more than 16,500 cubic yards/24,750 tons of petroleum contaminated soil.			

APPENDIX G

SITE CLEAN UP GOALS

TABLE 1
Phase 2 Targeted Soil Cleanup Levels

Depth Below Land Surface (Feet)	Targeted Cleanup Level (ug/kg) ^{-a-}				Equivalent Soil Gas Concentration (ug/L) ^{-b-}			
	PCE	TCE	1,1,1-TCA	1,1-DCE	PCE	TCE	1,1,1-TCA	1,1-DCE
0 - 10	78	78	3,112	93	86	35	475	187
10 - 20	63	63	2,520	76	71	28	385	150
20 - 30	48	48	1,928	58	55	20	295	120
30 - 40	34	34	1,354	41	38	15	205	80
40 - 50	20	20	780	23	22	10	120	50
50 - 60	18	18	700	21	20	9	105	45
60 - 70	9	9	352	11	10	6	55	25
70 - 80	6	6	248	7	7	4	40	15
80 - water table	5	5	200	6	6	3	30	12

Notes:

^{-a-} Targeted cleanup goals (HGC, 1996)

^{-b-} Equivalent mass calculated from equation 14, Appendix A of Interim Site Assessment and Cleanup Guidebook (California Regional Water Quality Control Board, 1996)

TABLE 2
Maximum Soil Screening Levels for Petroleum Hydrocarbons

Compound	Maximum Soil Screening Level		Equivalent Soil Gas Concentration	
	80 Feet ^{-a-}	20 Feet ^{-a-}	80 Feet ^{-a-}	20 Feet ^{-a-}
	mg/kg		µg/L	
Benzene	0.033	0.011	15.0	5.0
Toluene	2.0	0.3	528	79.2
EthylBenzene	7.0	0.7	2,450	245
Total Xylenes	20	1.75	7,150	625
TPH, as gasoline	500	500	2,300	2,300

Notes:

^{-a-} Distance in feet above water talbe

µg/L: micrograms per liter

mg/kg Milligrams per kilogram

Soil screening levels from Table 1-4 of Interim Site Assessment and Cleanup Guidebook

Equivalent mass calculated from equation 14, Appendix A of Interim Site Assessment and Cleanup Guidebook
 (California Regional Water Quality Control Board, 1996)



**California Regional Water Quality Control Board
Los Angeles Region**



Linda S. Adams
Acting Secretary for
Environmental Protection

320 West Fourth Street, Suite 200, Los Angeles, California 90013
(213) 576-6600 • Fax (213) 576-6640
<http://www.waterboards.ca.gov/losangeles>

Edmund G. Brown Jr.
Governor

**REQUIREMENT TO PROVIDE TECHNICAL REPORT - WORK PLAN
(CALIFORNIA WATER CODE SECTION 13267¹)
DIRECTED TO NORTHRIDGE PROPERTIES, LLC
FORMER ZERO CORPORATION FACILITY
777 NORTH FRONT STREET, BURBANK, CALIFORNIA
(FILE NO. 109.6162)**

You are legally obligated to respond to this Order. Please read this carefully.

You are the responsible party identified for a soil investigation at the referenced site.

During the 1998 United States Environmental Protection Agency Superfund investigation, information provided to the California Regional Quality Control Board, Los Angeles Region (Regional Board) from the Upper Los Angeles River Area Watermaster (ULARA) indicated some of the groundwater supply wells in the San Fernando Valley Groundwater Basin (SFVGB) had been contaminated by hexavalent chromium (Cr⁶). Upon receipt of this information, the Regional Board re-evaluated the Chemical Use Questionnaire (CUQ) provided by each facility from the Superfund investigation to determine which facilities stored and/or used chromium compounds, including Cr⁶.

Based on our evaluation of these CUQs, Regional Board identified 112 sites to conduct further investigation to determine whether chromium and Cr⁶ concentrations in the soil at these sites indicate any significant past release and pose a threat to public drinking water supply wells or may have already polluted groundwater resources. These investigations are conducted under Regional Board's order of March 15, 2004, pursuant to California Water Code (CWC) Section 13267.

Although the referenced site was not among the 112 aforementioned sites, additional investigation at the referenced site is warranted upon further review of the following information:

The primary responsible party for this case was previously issued a *Certificate of Completion* letter by the Los Angeles Regional Water Quality Control Board, as the Administering Agency, in 2002. However, due to the occurrence of Cr⁶ contamination of the aquifer providing public water supply, and exceptions to the *Certificate of Completion* as specified in the Health and Safety Code², this action is

¹ California Water Code section 13267 states, in part: (b)(1) In conducting an investigation. . . , the regional board may require that any person who has discharged, discharges, or is suspected of having discharged or, discharging, or who proposes to discharge waste within its region . . . shall furnish, under penalty of perjury, technical or monitoring program reports which the regional board requires. The burden, including costs, of these reports shall bear a reasonable relationship to the need for the report and the benefits to be obtained from the reports. In requiring those reports, the regional board shall provide the person with a written explanation with regard to the need for the reports, and shall identify the evidence that supports requiring that person to provide the reports.

² Health and Safety Code section 25264(c) states that after a certificate of completion has been issued, the agency may not take action further action against the party receiving the certificate of completion with respect to the hazardous materials release that was the subject of the investigation and remediation unless: (4) A hazardous materials release is discovered at the site that was not the subject of the site investigation and remedial action for which the certificate of completion was issued; and (5) new facts causes the administering agency to find that further

May 10, 2011

justified and warranted. Detailed information regarding chromium use at the former industrial facility has come to the attention of Regional Board staff as follows:

1. Regional Board files indicate the extensive use of chromate salts (hexavalent chromium) as part of the aluminum chromate conversion coating operations performed at the former Zero Corporation facility between the 1960's and late 1990's.
2. The 2009 Caltrans soil investigation conducted on the property, near former waste discharge features revealed that there were detectable concentrations of Cr⁶ in the soil which exceed the typical background concentration in the native soils in the San Fernando Valley.
3. The Caltrans investigation also shows that the shallow soil vapor results for volatile organic compounds (VOCs) such as perchloroethylene (PCE) and trichloroethylene (TCE) exceeds California Human Health Screening Levels (CHHSLs) in the shallow soils. Additionally, the report also suggests that subsurface VOC concentrations have rebounded significantly since the site was remediated in 2001.

Therefore, pursuant to section 13267(b) of the CWC, you are hereby directed to submit the following on or before **July 15, 2011**:

1. A work plan for an onsite soil investigation. We are providing a guidance document entitled "*General Work Plan Requirements for a Heavy Metal Soil Investigation*" to assist you with this task. Additional information can be found in our guidance manual entitled "*Interim Site Assessment & Cleanup Guidebook (May 1996)*," which can be found at the Regional Board web-site at:

http://www.waterboards.ca.gov/losangeles/water_issues/programs/remediation/may_1996_voc_guidance.shtml.

2. The work plan must contain a health and safety plan (H&SP), as per the guidelines.
3. The work plan shall include the detailed information of former and existing chromium storage, hazardous waste management, and associated practices;
4. The work plan must include proposed soil sampling borings in various locations down to a depth of 25 feet below grade in the areas of the former plating process and waste treatment (all sumps, and clarifiers, etc.).
5. The Work plan must include a quality assurance/quality control QA/QC section, which discusses the types of field and laboratory QA/QC samples to be analyzed and how analytical data is validated and how suspect data is merged. For additional procedural information and QA/QC guidelines refer to the following web links:

site investigation and remedial action are required in order to prevent a significant risk to human health and safety or to the environment.

Mr. Alan Skobin
777 North Front Street, Burbank, California

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May 10, 2011

http://www.swrcb.ca.gov/losangeles/water_issues/programs/ust/guidelines/la_county_guidelines_93.pdf

http://www.waterboards.ca.gov/losangeles/water_issues/programs/remediation/Board_SGV-SFVCleanupProgram_Sept2008_QAPP.pdf

The California Business and Professions Code Sections 6735, 7835, and 7835.1 require that engineering and geologic evaluations and judgments be performed by or under the directions of registered professionals. All fieldwork related to implementing the required work plan (technical report) such as well installation(s) must be conducted by, or under the direct responsible supervision of, a registered geologist or licensed civil engineer. All technical documents submitted to this Regional Board must be reviewed, signed and stamped by a State of California Professional Geologist, or a Professional Civil Engineer with at least five years hydrogeologic experience. Therefore, all future work must be performed by or under the direction of a professional geologist or California registered civil engineer. A statement is required in the report that the registered professional in responsible charge actually supervised or personally conducted all the work associated with the project.

Pursuant to section 13268(b)(1) of the CWC, failure to submit the required technical or monitoring reports described above may result in the imposition of civil liability penalties by the Regional Board, without further warning, of up to \$1,000 per day for each day the report is not received after the above due dates.

Please note that the Regional Board requires you to include a perjury statement in all reports submitted under 13267 Order and Cleanup and Abatement Order. The perjury statement shall be signed by a senior authorized representative of Northridge Properties, LLC (and not by a consultant). The statement shall be in the following format:

"I, [NAME], do hereby declare under penalty of perjury under the laws of State of California that I am [JOB TITLE] for Northridge Properties, LLC, that I am authorized to attest to the veracity of the information contained in [NAME AND DATE OF REPORT] is true and correct, and that this declaration was executed at [PLACE], [STATE], on [DATE]."

The State Water Resources Control Board (State Water Board) adopted regulations requiring the electronic submittals of information over the Internet using the State Water Board GeoTracker database. You are required not only to submit hard copy reports required in this Order but also to comply by uploading all reports and correspondence prepared to date and additional required data to the GeoTracker system. Information about GeoTracker submittals, including links to text of the governing regulations, can be found on the Internet at the following link:

http://www.waterboards.ca.gov/water_issues/programs/ust/electronic_submittal

We believe that the burdens, including costs, of these reports bear a reasonable relationship to the need for the reports and the benefits to be obtained from the reports. If you disagree and have information about the burdens, including costs, of complying with these requirements, provide such information to Mr. Larry Moore within ten days of the date of this letter so that we may reconsider the requirements.

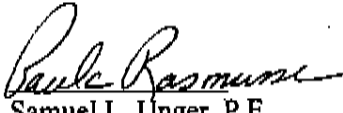
Mr. Alan Skobin
777 North Front Street, Burbank, California

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May 10, 2011

Any person aggrieved by this action of the Regional Water Board may petition the State Water Board to review the action in accordance with Water Code section 13320 and California Code of Regulations, title 23, sections 2050 and following. The State Water Board must *receive* the petition by 5:00 p.m., 30 days after the date of this Order, except that if the thirtieth day following the date of this Order falls on a Saturday, Sunday, or state holiday, the petition must be received by the State Water Board by 5:00 p.m. on the next business day. Copies of the law and regulations applicable to filing petitions may be found on the Internet at: http://www.waterboards.ca.gov/public_notices/petitions/water_quality or will be provided upon request.

SO ORDERED.

for 
Samuel L. Unger, P.E.
Executive Officer

May 10, 2011



California Regional Water Quality Control Board

Los Angeles Region

320 West Fourth Street, Suite 200, Los Angeles, California 90013
(213) 576-6600 • Fax (213) 576-6640
<http://www.waterboards.ca.gov/losangeles>



Matthew Rodriguez
Secretary for
Environmental Protection

Edmund G. Brown Jr.
Governor

December 20, 2011

Mr. Donald C. Nanney, Esq.
for Northridge Properties, LLC
Gilchrist & Rutter Professional Corp.
1299 Ocean Avenue
Santa Monica, California 90401

SUBJECT: APPROVAL OF SOIL ASSESSMENT WORK PLAN

**CASE/FILE: FORMER ZERO CORPORATION AT 777 NORTH FRONT STREET,
BURBANK, CALIFORNIA (FILE NO. 109.6162)**

Dear Mr. Nanney:

The Los Angeles Regional Water Quality Control Board (Regional Board) staff has reviewed your draft "Soil Assessment Work plan" (Work plan) dated August 15, 2011, and a work plan revision letter and figure dated November 23, 2011 that was submitted by your consultant, Geosyntec, Inc. (Geosyntec) for the above reference property (Site).

The Regional Board arranged for an on-site inspection meeting on October 13, 2011 between your environmental consultant, Mr. Eric Smalstig, the United States Environmental Protection Agency (USEPA), Region 9 contractor, Alex Lapostol, and yourself. This meeting was intended to make an observation of the current conditions of the site, and to confirm previous assumptions regarding the subsurface features of the former industrial waste water treatment system, i.e. clarifiers and sumps.

Based on discussions during the on-site inspection, Geosyntec produced the aforementioned November 23, 2011 revision letter and figure. The figure shows proposed soil borings, and the additional clarifier observed at the site during the October 13, 2011 site inspection.

The EPA contractor discussed a modified scope of work with your consultant based on the specific requirements of the Regional Board, including additional requirements as per the California Health and Safety code is described, as follows:

CALIFORNIA HEALTH AND SAFETY CODE REQUIREMENTS -- INDOOR AIR

Based on State legislation, Senate Bill 32 – California Land, Environment, and Restoration and Reuse Act, and California Health and Safety Code, Sections 57008-57010, this Regional Board, as a regulatory agency, has been designated to require "specified information" and/or to compare shallow soil vapor results at your site, and to screen those values against the California Human Health Screening Levels (CHHSLs), at 5 and 10 feet below grade surface (bgs) at the subject site. Thus, the property owner will subsequently be required to provide additional soil vapor evaluations to determine the nature of a

California Environmental Protection Agency

previous hazardous materials release; to the extent which it may affect human health via shallow soil vapor intrusion into habitable spaces, such as an office or commercial setting.

However, due to the current site conditions, and the eventual demolition of the remaining concrete slab(s) and subsurface features, and correspondent soil grading and redevelopment activities, this requirement will be put in abeyance until those aforementioned activities commence. You, or the future property owner, must notify this office upon finalizing a demolition and soil grading plan and coordinate with Regional Board staff to implement field work to comply with this requirement.

REQUIRED SCOPE OF WORK

Regional Board staff hereby approves your Work Plan, with the following additions:

1. Soil matrix sampling: Drilling and completion of 5 soil borings (at each clarifier identified during the Oct 13th site inspection) to a total depth of 25 feet below grade. Soil samples will be collected at 5 foot intervals, and submitted to the California certified analytical laboratory and submitted for analysis for Title 22 metals, and hexavalent chromium.
2. You shall prepare and submit a subsurface Soil Investigation Report (Investigation Report) to document and summarize the field activities and findings of the completed work. The investigation Report summarizing the field work shall be developed following the Regional Board's "*Guidelines for Report Submittals*" (March 1991, Revised June 1993) and shall be submitted as electronic Adobe® "pdf" format for Geotracker upload. Additionally, laboratory Quality Assurance/Quality Control (QA/QC) data should be included with each final report. A copy of the guidelines can be found at the following URL:

http://www.waterboards.ca.gov/losangeles/water_issues/programs/ust/guidelines/la_county_guidelines_93.pdf

3. The investigation should be conducted in accordance with the "*Quality Assurance Project Plan (QAPP) for the San Fernando Valley/San Gabriel Valley Cleanup Program*" guidance document, located at the following URL Website:

http://www.waterboards.ca.gov/losangeles/water_issues/programs/remediation/

The due date for submitted the final report is 90 calendar days after the completion of the field work. Please inform the Regional Board staff at least five working days prior to the commencement of the work in order that we may have a representative present. Regional Board staff recommends that two copies of the investigative report be submitted to this Regional Board approximately three weeks prior to completion of the field work.

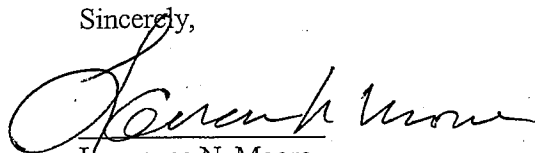
If you have any questions, please contact me via telephone at (213) 576-6730, or via electronic mail Imoore@waterboards.ca.gov.

Mr. Donald C. Nanney
Former Zero Corp. 777 N. Front St. Burbank, CA

- 3 -

December 20, 2011

Sincerely,



Lawrence N. Moore
Senior Staff Scientist

cc: Ms. Lisa Hanusiak, USEPA Region 9
Mr. Leighton Fong, City of Glendale
Mr. Robert McKinney, Los Angeles Department of Water & Power
Mr. Milad Taghavi, Los Angeles Department of Water & Power
Mr. Bill Mace, City of Burbank Water Supply Department
Mr. Richard Slade, ULARA WaterMaster
Mr. Alan Skobin, Northridge Properties

Prepared for

Northridge Properties, LLC

15505 Roscoe Boulevard
North Hills, California 91343

SOIL ASSESSMENT REPORT

**777 NORTH FRONT STREET
BURBANK, CALIFORNIA**

Prepared by

Geosyntec 
consultants

engineers | scientists | innovators

2100 Main Street, Suite 150
Huntington Beach, California 92648
Telephone: (714) 969-0800
Fax (714) 969-0820
www.geosyntec.com

Project Number HR1305

September 10, 2012

SOIL ASSESSMENT REPORT

777 North Front Street

Burbank, California

September 2012

Supervision of fieldwork activities related to implementing the approved work plan was performed by the staff of Geosyntec Consultants, Inc., (Geosyntec) under the direction of the licensed professional with sufficient hydrogeologic experience whose signature appears hereon. The Soil Assessment Report was prepared under the supervision of the same. Consistent with applicable professional standards of care, our opinions and recommendations are based, in part, on data furnished by others as noted in this report where applicable. Geosyntec is not able to independently verify data provided by others. Geosyntec services were performed, and this report has been prepared, in accordance with generally accepted professional standards of care applicable to the scope of services authorized by Northridge Properties, LLC, consistent with direction from the Los Angeles Regional Water Quality Control Board, and no other warranty is provided in connection therewith.



Eric Smalstig, P.E.
Principal, Geosyntec Consultants, Inc.
License No. C56128

I, Herbert F. Boeckmann, II, do hereby declare under penalty of perjury under the laws of the State of California that I am a Member of Northridge Properties, LLC, a California limited liability company (the "Company"); that I am authorized to attest to the veracity of the information contained in the report described herein; that the information contained in Geosyntec Consultants, Inc.'s "Soil Assessment Report, 777 North Front Street, Burbank, California," dated September 10, 2012 (the "Report"), is true and correct; that I have no personal knowledge or expertise with respect to the findings and information contained in the Report and I am relying on the professionals who prepared it; that the issuance of the Report and this Declaration is not an admission that the Company was or is a discharger within the meaning of Water Code Section 13267, which the Company expressly denies; and that this Declaration was executed at North Hills, California, on September 28, 2012.



Herbert F. Boeckmann, II, Member
Northridge Properties, LLC

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Figure 1: Site Location

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APPENDICES

Appendix A: Approved Work Plan

Appendix B: Laboratory Analytical Report

Appendix C: Boring Logs

1. INTRODUCTION

1.1 Project Overview

This Soil Assessment Report (Report) contains a summary of the soil sampling activities performed at the former industrial site located at 777 North Front Street, in Burbank, California (the Site) and an assessment of the analytical results. The Report was prepared by Dr. Rita Kampalath of Geosyntec Consultants, Inc. (Geosyntec), and was reviewed by Dr. Matt Thomas and Mr. Eric Smalstig, P.E. also of Geosyntec, in accordance with the peer review policy of the firm. Geosyntec has prepared this Report on behalf of its client Northridge Properties, LLC, for submission to the Los Angeles Regional Water Quality Control Board (LARWQCB) per the requirements of the approved Work Plan (Appendix A) that was prepared in response to an Order to provide a soil investigation work plan (LARWQCB, 2011b) sent to Northridge Properties, LLC, in a letter dated May 10, 2011 (LARWQCB, 2011a).

Based on the conclusions of this Report presented in Section 5: (1) that the limited number of hexavalent chromium (Cr^6) detections at the Site are not significant, (2) that the vertical distribution of detections of Cr^6 are inconsistent with historical releases of Cr^6 at concentrations that could have impacted groundwater in the past, (3) that Cr^6 concentrations in Site soils do not pose a threat to groundwater at the Site in the future, (4) that the low concentrations of Cr^6 and Title 22 metals in the soils at the Site are at levels that are protective of human health, and (5) that arsenic detected in soils at the Site are consistent with naturally occurring background arsenic levels in California, and given their consistency with past soil sampling results as detailed in the LARWQCB approved Work Plan (Appendix A) and summarized in Section 2.3 of this Report, Geosyntec concludes that no further investigations for hexavalent chromium or other metals are warranted and recommends Northridge Properties, LLC, request Site closure from LARWQCB.

Therefore, on behalf of Northridge Properties, LLC, Geosyntec has been asked to respectfully request that LARWQCB issue a closure letter for the above referenced Site. In addition, because the Site reopener was not due to any regulatory concern regarding volatile organic compounds or other contaminants, which were the subject of previous investigations and remedial action and closure, the requested closure should clarify that the Site was not reopened for any purpose other than this soil assessment and that no further action is required.

1.2 **Report Organization**

The remainder of this Report is organized into the following sections:

- Section 2, *Background*;
- Section 3, *Soil Sampling*;
- Section 4, *Results*; and
- Section 5, *Conclusions and Recommendations*.

References, a table, figures, and appendices are included at the end of the text.

2. BACKGROUND

2.1 Property Description

The Site located at 777 North Front Street (LARWQCB File No. 109.6162) consists of an approximately 8-acre lot in the City of Burbank, approximately 13 miles north-northwest of downtown Los Angeles (Figure 1). It is bordered by Interstate 5, Burbank Boulevard, and Front Street (Figure 2).

From 1920 to 1961, the Site was occupied by General Water Heater Company, and then was purchased by Zero Corporation (Zero) for use by a division of the company called Zero Enclosures, whose primary business was fabrication of metal enclosures. In addition to Zero Enclosures' operations, from 1964 to 1973, a part of the Site was leased to Ocean Technology Inc., a subsidiary of Zero, which used the space to manufacture and assemble electronic products.

Zero's manufacturing operations were discontinued in December, 1991. From then until 2002, the Site was used for storage (a 1995 city directory shows the occupant as Western Moving & Storage, Inc.) and later as temporary filming locations for the entertainment industry (Mactech 2005, p. 14; Law/Crandall 1997, p. 1). The Site was sold to the Ford Leasing Development Company in 1998. Since 2002, the Site has been unoccupied, with on-site buildings having been demolished in 2004 leaving concrete pads and foundations currently remaining on the Site.

A parcel of land adjacent to the Site on the southwest was leased by Zero from the Southern Pacific Transportation Company for chemical storage. This parcel is currently owned by the City of Burbank and was used in part for realignment of Front Street and with a portion remaining as a strip between the Site and realigned Front Street.

2.2 Regional Hexavalent Chromium Contamination

The Site is located within the San Fernando Valley Groundwater Basin (SFVGB). In 1980, the California Department of Health Services (DHS) requested all major groundwater users to conduct tests for the presence of certain industrial chemicals in the water they were serving. The results of testing indicated elevated concentrations of a number of volatile organic compounds (VOCs) in groundwater under large portions of the San Fernando Valley, which led to the designation of four separate areas that together comprise the San Fernando Valley Superfund Sites.

During the 1998 United States Environmental Protection Agency (USEPA) Superfund investigation, information provided to LARWQCB from the Upper Los Angeles River Area Watermaster (ULARA) indicated some of the groundwater supply wells in the SFVGB had been contaminated by hexavalent chromium (Cr^6) (LARWQCB, 2011b). Subsequently, the Regional Board re-evaluated Chemical Use Questionnaires (CUQs) provided by each facility during the Superfund investigation and identified 112 sites, presumably the most suspect sites, to conduct further investigation to determine whether Cr^6 concentrations in the soil at these sites indicated any significant past release that may have contributed to the regional Cr^6 contamination or that might pose a threat to public drinking water supply wells in the future. It is significant to note that the subject Site was not among the 112 sites identified by the Regional Board at that time.

2.3 Recent Site Regulatory Context

The former responsible party for the Site had been issued a Certificate of Completion by Cal/EPA in 2002 for a remediation effort unrelated to Cr^6 . The Site remained closed until it was reopened by the LARWQCB Order entitled “*Requirement To Provide Technical Report – Work Plan*” (LARWQCB, 2011b). The primary reasons for issuance of the Order given in the accompanying letter (LARWQCB, 2011a) were: (1) the records of historical use of Cr^6 at the facility and (2) the results of a California Department of Transportation (Caltrans) soil investigation that indicated there exist a limited number of detections of Cr^6 at the Site (Ninyo & Moore, 2009) at concentrations that, according to the Regional Board, are in exceedance of normal background concentrations of Cr^6 in the San Fernando Valley (LARWQCB, 2011a).

A few important results from the Caltrans soil investigation are summarized here. During the investigation 12 soil borings were advanced and samples were collected at 2, 5, 10, and 20 feet below ground surface (bgs) and analyzed for metals (including Cr^6). The soil boring locations were toward the eastern side of the Site nearer Interstate 5 and away from some of the larger building pads where Cr^6 was directly handled and/or used in industrial activities. Hexavalent chromium was detected in only four of the 48 samples (~8%), with three of four detections occurring in soils at or lesser than 5 feet bgs. There was a single detection of Cr^6 at 20 feet bgs at a concentration that was just 0.04 mg/kg above the detection limit. The concentrations of these detections were low, the highest concentration being 0.18 mg/kg, nearly 100 times lower than the California Human Health Screening Levels for Soil (CHHSLs) for residential land use which is more conservative than the commercial/industrial CHSSL (see Table 1). A detailed

summary of the results of the Caltrans Report were provided in the approved Work Plan (Appendix A).

It is important to note that the detections of Cr⁶ reported in the Caltrans Report (Ninyo & Moore, 2009) were not a cause for health or environmental concerns in and of themselves, but they raised the question to LARWQCB as to whether there might be significant Cr⁶ impacts to soils in other locations at the Site where Cr⁶ was directly handled and/or used in industrial activities. In addition, previous investigations in those areas had tested for Title 22 metals, including total chromium, not speciated for Cr⁶, with sampling at shallow depths not exceeding five feet bgs (Law/Crandall 1997); and LARWQCB now questions whether deeper sampling with testing speciated for Cr⁶, and a screening for other Title 22 metals, would reveal evidence for concern.

The aforementioned Order was issued by LARWQCB to Northridge Properties, LLC, on May 10, 2011. Northridge Properties, LLC, worked with LARWQCB to target locations at the Site where impacts, if any, would be anticipated should any unauthorized releases of Cr⁶ have occurred in the past. The five former clarifier locations shown on Figure 2 were selected. On behalf of Northridge Properties, LLC, Geosyntec submitted the Soil Assessment Work Plan – Hexavalent Chromium (Geosyntec, 2011), which was approved by the Regional Board in a letter dated 20 December, 2011. After that time, further negotiations and clarifications with LARWQCB resulted in a requirement to analyze samples collected at 10 and 20 feet bgs from two of the five locations for the suite of Title 22 metals in addition to Cr⁶. These changes were confirmed in a letter sent to the Regional Board on 7 June, 2012. The original work plan submitted (Geosyntec, 2011) and the subsequent confirmation letter of 7 June 2012, constitute the approved Work Plan and are included in Appendix A.

Sampling activities in the approved Work Plan were implemented on 28 June, 2012, and Geosyntec has prepared this Report to present and provide an assessment of the analytical results obtained.

3. SOIL SAMPLING

3.1 General

The Soil Assessment activities described in this Report were conducted in accordance with the Site-specific Health and Safety Plan (HASP) and the approved Work Plan (Appendix A) prepared in accordance with the LARWQCB request.

3.2 Field Work Preparation

Five locations on the Site were chosen for sampling with LARWQCB concurrence. As mentioned previously, these locations were identified as potential areas of concern based on discussions with LARWQCB and review of facility maps, which indicated the former presence of clarifiers (now closed and filled with concrete, with the locations visible on site). It was determined that one boring would be drilled adjacent to each former clarifier to a maximum depth of 20 feet bgs or refusal (see Figure 2 for boring locations). Each clarifier was located in the field and a boring location was marked with white paint on the concrete surface approximately 2.5 feet from the edge of the clarifier in the locations shown on Figure 2.

Underground Service Alert (USA) was notified more than 48 hours prior to beginning drilling activities to identify underground utilities in the vicinity of the proposed borehole locations and to reduce the potential for accidentally encountering buried utility lines (USA ticket number B21730160). Geosyntec also contracted with Goldak Geophysics to conduct a subsurface geophysical survey on June 14, 2012, to identify locations of potential underground utilities. Once all utilities were cleared, concrete coring was scheduled.

Due to uncertainty in the thickness of the concrete surface cover at the Site and uncertainty in the dimensions of the former clarifiers, it was determined that slant drilling was not feasible at the Site. On June 27, 2012, Interphase Environmental, Inc., (Interphase), a drilling and soil sampling subcontractor, cored through the concrete at the marked boring locations prior to drilling activities which began the following day.

3.3 Soil Sampling

On June 28, 2012, under the direction of Geosyntec, Interphase advanced five borings (labeled SS-1 through SS-5; Figure 2) in the cored boring locations identified using a direct push drill rig and a continuous soil core was collected to a depth of approximately 20 feet bgs using a 4-foot sampler lined with acetate sleeves. Borings were visually logged for geologic lithology in accordance with the Unified Soil Classification System (USCS). The first 5 feet of each boring was completed by hand auger to reduce the potential for impairing unidentified underground utilities or pipes. Soil samples were collected from the cores at 5-foot intervals using disposable sampling equipment in order to avoid cross contamination of samples. The first sample was collected at a depth of 5 feet bgs, with subsequent samples collected at depths of 10, 15, and 20 feet bgs in accordance with the approved Work Plan (Appendix A). A total of 20 primary soil samples were collected in this manner and two duplicate soil samples (labeled SS-6-10 and SS-7-20) were collected from two of the sampling locations (SS-3-10 and SS-5-20, respectively), which had been chosen at random. The duplicate samples were submitted to the laboratory blind.

The soil samples were collected in 4-oz. glass jars sealed with Teflon®-lined plastic caps for analysis of Cr⁶ (EPA Methods 3060A and 7199), with samples at 10 and 20 feet bgs from two of the borings (borings SS-2 and SS-3) also analyzed for the suite of Title 22 metals (EPA Methods 3050B and 6010B). Individual soil samples were labeled with unique identifiers, logged on laboratory chain of custody forms, placed in an ice-filled cooler, and transported to Calscience Environmental Laboratories, Inc. (Calscience), a local National Environmental Laboratory Accreditation Conference (NELAC) accredited laboratory. The borings were backfilled with bentonite chips from 20 feet bgs to just below the concrete surface and capped with concrete flush to existing grade. Remaining soil cores were stored in a 55-gallon DOT-approved drum during drilling and sampling activities and were removed from the Site. Upon receipt of laboratory results and waste profiling, the remaining soil cores were properly disposed by the driller as non-hazardous waste.

The non-dedicated soil sampling equipment (e.g., coring bits and hand augers) was washed prior to each sample collection by the “three-bucket-wash” method; sampling equipment was first washed in a solution of Alconox and potable water, then rinsed with potable water, and finally rinsed with distilled water and allowed to air-dry.

3.4 **Laboratory Analysis**

Samples were transported with proper chain of custody forms to Calscience Environmental Laboratories, Inc. (Calscience), located at 7440 Lincoln Way, in Garden Grove, California. Samples were analyzed for Cr⁶ using EPA Method 3060A for extraction, and EPA Method 7199 for analysis. Samples at 10 and 20 feet bgs from borings SS-2 and SS-3 were additionally analyzed for Title 22 metals using EPA Method 3050B for extraction, and EPA Method 6010B for analysis. The laboratory analytical results for the soil samples are discussed in Section 4. The laboratory analytical report is provided in Appendix B.

4. RESULTS

4.1 Introduction

The laboratory analytical results for the soil samples arranged by boring location and depth are summarized in Table 1. In order to have a basis of comparison, Table 1 also includes the California Human Health Screening Levels for Soil (CHHSLs) for both residential and commercial/industrial land use (OEHHA, 2005, and subsequent revisions to tables). Soil lithology and analytical results are described in the following sections and the laboratory analytical report is included in Appendix B.

4.2 Soil Lithology

The five soil borings (SS-1 through SS-5) advanced at the Site were logged for soil lithology in accordance with the Unified Soil Classification System (USCS) and screened visually for evidence of contamination. The boring logs showing the soil lithology at each boring location are provided in Appendix C.

4.3 Soil Analytical Results

A total of 20 primary soil samples were collected at five-foot intervals from 5 to 20 feet bgs from the five soil boring locations, with all samples analyzed for Cr⁶ using EPA Method 3060A for extraction, and EPA Method 7199 for analysis, and samples collected at 10 and 20 feet bgs from borings SS-2 and SS-3 also analyzed for Title 22 metals using EPA Method 3050B for extraction, and EPA Method 6010B for analysis. Table 1 summarizes the analytical results and provides commercial/industrial CHHSLs (i.e., chemical-specific soil health screening levels for commercial/industrial land use) for comparison. A plan view of boring locations is provided in Figure 3 that includes tables with soil sample depths and concentrations of Cr⁶. Results of these analyses are summarized in the bulleted list below and described in more detail in the sections that follow:

- Cr⁶ was detected in only four of 20 (20%) soil samples collected from locations where impacts, if any, would be anticipated;
- Concentrations of Cr⁶ detected were significantly less than 10 times below the residential CHHSL, which is more conservative than the commercial/industrial CHHSL (see Table 1);

- Three of the four detections of Cr⁶ were in shallow soils (at or lesser than 10 feet bgs);
- The single detection of Cr⁶ at 20 feet bgs was at a concentration that was just 0.01 mg/kg above the detection limit;
- The concentrations of arsenic detected at the Site, while exceeding the commercial/industrial CHHSL, are consistent with naturally occurring background arsenic levels in California (Bradford et. al, 1996; LBNL, 2002);
- With the exception of arsenic and the single detection of cadmium, all Title 22 metals detected at the Site were at concentrations below residential CHHSLs (see Table 1);
- The concentration of the single detection of cadmium at a depth of 20 feet bgs was below the commercial/industrial CHHSL (see Table 1).

4.3.1 Hexavalent Chromium

Hexavalent chromium, which was the primary constituent of concern for this Soil Assessment was detected in only four of the 20 (20%) primary soil samples collected. These detections were in samples collected at depths of 5 and 10 feet bgs in boring SS-2, at 20 feet bgs in boring SS-4 and at 5 feet bgs in boring SS-5. All concentrations were significantly less than 10 times below the residential CHHSL, which is more conservative than the commercial/industrial CHHSL (see Table 1).

4.3.2 Title 22 Metals

Two of the five borings (SS-2 and SS-3) were analyzed for Title 22 metals at depths of 10 and 20 feet bgs, in accordance with the approved Work Plan (Appendix A). These four soil samples had detections of several Title 22 metals.

Arsenic was detected in all four soil samples analyzed at levels that exceeded CHHSLs. However, it has been noted that natural background levels of arsenic in California soils are often found to exceed health-based, direct-exposure goals. The concentrations of

arsenic detected at the Site are consistent with naturally occurring background arsenic levels in California (Bradford et. al, 1996; LBNL, 2002).

Barium, beryllium, total chromium, cobalt, copper, lead, nickel, vanadium and zinc were detected in soil samples collected from borings SS-2 and SS-3, while cadmium was detected in only one soil sample at a depth of 20 feet bgs from boring SS-2. With the exception of naturally occurring arsenic levels and the single detection of cadmium, concentrations of all analytes were below the more conservative residential CHHSLs. The concentration of the single detection of cadmium was below the commercial/industrial CHHSL (see Table 1).

5. CONCLUSIONS AND RECOMMENDATIONS

5.1 Summary

Based on the soil sampling data collected as part of this Soil Assessment as presented in the preceding section of this Report (see Table 1) and the analyses presented in the following sections, several conclusions related to chemical impacts at the Site can be drawn:

- The detections of Cr⁶ in only 20% of the soil samples collected from locations where impacts, if any, would be anticipated and at low concentrations significantly less than 10 times below the more conservative residential CHHSL indicate that the limited number and low concentrations of Cr⁶ detections at the Site are not significant;
- The vertical distribution of detections of Cr⁶, primarily in shallow soil samples (at or lesser than 10 feet bgs) are inconsistent with historical releases of Cr⁶ at concentrations that could have impacted groundwater and do not provide evidence to suggest that historical Site activities contributed to the San Fernando Valley Groundwater Basin (SFVGB) Cr⁶ contamination that is currently under investigation by LARWQCB and USEPA;
- The vertical distribution primarily in shallow soil samples and the concentrations of Cr⁶, orders of magnitude below the TTLC (500 mg/kg) and the more conservative value of 10 times the STLC, demonstrate that Cr⁶ concentrations in Site soils are unlikely to pose a threat to groundwater at the Site in the future;
- The low concentrations of Cr⁶ and Title 22 metals with the exceptions of arsenic and the single detection of cadmium (i.e., below residential CHHSLs other than the single detection of cadmium which was below commercial/industrial CHHSLs and at a depth of 20 feet bgs) and the concentrations of arsenic being consistent with naturally occurring background arsenic levels in California demonstrate that metals concentrations in the soils at the Site are at levels that are protective of human health.

The conclusions summarized above in bulleted format are described in more detail in the following sections.

5.2 Hexavalent Chromium

Hexavalent chromium, the chief focus of the LARWQCB Order (LARWQCB, 2011b) and of this Soil Assessment, was detected in only four of the 20 soil samples collected (20%) from sample locations that were specifically selected for this field program and approved by LARWQCB because they were locations where impacts, if any, would be anticipated (i.e., adjacent to the former clarifiers, now closed and filled with concrete). Furthermore the detections of Cr⁶ were at low concentrations (below the commercial/industrial CHSSL and significantly less than 10 times lower than the more conservative residential CHHSL as shown in Table 1). These results indicate that the limited Cr⁶ detections at the Site are not significant.

In terms of vertical distribution, three of the four detections of Cr⁶ occurred in soils at or fewer than 10 feet bgs. The single detection that occurred at 20 feet bgs was at a low concentration, just 0.01 mg/kg above the detection limit. These results are inconsistent with historical releases of Cr⁶ at concentrations that could have impacted groundwater and do not provide evidence to suggest that historical Site activities contributed to the San Fernando Valley Groundwater Basin (SFVGB) Cr⁶ contamination that is currently under investigation by LARWQCB and USEPA.

The vertical distribution of Cr⁶ detections in shallow soils makes it unlikely that the groundwater table would come into contact with these soils. Furthermore, the low concentrations of Cr⁶ are orders of magnitude below the Total Threshold Limit Concentration (TTLC = 500 mg/kg) and the more conservative value of 10 times the Soluble Threshold Limit Concentration (STLC; i.e., the threshold value for STLC leachability testing = 50 mg/kg) which is an indication of a contaminant's potential to impact (i.e., leach into and/or migrate downward to) groundwater. These results demonstrate that Cr⁶ concentrations in Site soils do not pose a threat to groundwater at the Site in the future.

5.3 Title 22 Metals

Several Title 22 metals, specifically arsenic, barium, beryllium, cadmium, total chromium, cobalt, copper, lead, nickel, vanadium and zinc were detected in soil

samples collected from the Site. These metals are commonly detected in soils within Southern California. With the exception of arsenic and the single detection of cadmium, the concentrations of Title 22 metals were below the more conservative residential CHHSLs. The concentration of the single detection of cadmium was still low, below the commercial/industrial CHHSL (see Table 1), and at a depth of 20 feet bgs, making contact with potential surface receptors highly unlikely. These results together indicate that Site soils do not pose a risk to human health due to these metals.

Although arsenic was found at concentrations above the commercial/industrial CHHSL, it has been well-documented that natural background levels of arsenic in California soils are often found to exceed published health-based, direct-exposure goals. The concentrations of arsenic detected at the Site are consistent with naturally occurring background arsenic levels in California (Bradford et. al, 1996; LBNL, 2002). A study conducted by the California Department of Toxic Substances Control (DTSC) on Los Angeles United School District sites estimated the 95% upper confidence limit of the 99th percentile concentration for arsenic at 6 mg/kg (DTSC, 2005). Another DTSC study determined an upper-bound estimate of 12 mg/kg for naturally occurring arsenic in Southern California soils (DTSC, 2008). The levels of arsenic found at the Site are also consistent with these regionally-specific background levels.

5.4 Recommendations

Given the conclusions of this Soil Assessment and their consistency with past soil sampling results detailed in the approved Work Plan (Appendix A) and summarized in Section 2.3 of this Report, Geosyntec concludes that no further investigations for hexavalent chromium or other metals are warranted and recommends Northridge Properties, LLC, request Site closure from LARWQCB.

Therefore, on behalf of Northridge Properties, LLC, Geosyntec has been asked to respectfully request that LARWQCB issue a closure letter for the Site referenced herein. In addition, because the Site reopener was not due to any regulatory concern regarding volatile organic compounds or other contaminants, which were the subject of previous investigations and remedial action and closure, the requested closure should clarify that the Site was not reopened for any purpose other than this soil assessment and that no further action is required.

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TABLE

Table 1
Soil Sample Analytical Results
Soil Assessment
777 North Front Street
Burbank, California

			Title 22 Metals																
Analyte		Chromium, Hexavalent	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium, Total	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
Units		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Residential CHHSL*		17	30	0.07	5,200	16 ⁽²⁾	1.7	100,000 ⁽³⁾	660	3,000	80	18	380	1,600	380	380	5	530	23,000
Commercial/Industrial CHHSL*		37	380	0.24	63,000	190 ⁽²⁾	7.5	100,000 ⁽³⁾	3,200	38,000	320	180	4,800	16,000	4,800	4,800	63	6,700	100,000
SS-1	5	ND<0.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10	ND<0.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	15	ND<0.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	20	ND<0.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SS-2	5	1.10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10	0.96	ND<0.750	6.23 ⁽⁴⁾	75.7	ND<0.250	ND<0.500	33.0	7.02	244	1.67	ND<0.0835	ND<0.250	10.8	ND<0.750	ND<0.250	ND<0.750	31.1	753
	15	ND<0.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	20	ND<0.4	ND<0.750	8.06 ⁽⁴⁾	178	0.699	3.23	20.4	30.6	79.0	2.21	ND<0.0835	ND<0.250	102	ND<0.750	ND<0.250	ND<0.750	42.7	12,100
SS-3	5	ND<0.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10 ⁽¹⁾	ND<0.4/ND<0.4	ND<0.750/ND<0.750	6.83/6.59 ⁽⁴⁾	168/166	0.387/0.337	ND<0.500/ND<0.500	22.6/19.0	14.2/12.5	23.9/21.2	1.89/1.70	ND<0.0835/ND<0.0835	ND<0.250/ND<0.250	17.6/15.1	ND<0.750/ND<0.750	ND<0.250/ND<0.250	ND<0.750/ND<0.750	44.5/37.8	63.8/55.0
	15	ND<0.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	20	ND<0.4	ND<0.750	7.78 ⁽⁴⁾	234	0.436	ND<0.500	21.4	14.4	26.9	2.44	ND<0.0835	ND<0.250	17.1	ND<0.750	ND<0.250	ND<0.750	44.5	59.4
SS-4	5	ND<0.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10	ND<0.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	15	ND<0.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	20	0.41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SS-5	5	1.30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10	ND<0.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	15	ND<0.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	20 ⁽¹⁾	ND<0.4/ND<0.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

* California Human Health Screening Levels for Soil (CHHSLs)

- Compound not analyzed for this sample

168/166 Results are reported as (primary sample results)/(duplicate sample results)

6.23 Bold type indicates exceedance of a commercial/industrial CHHSL comparison criteria

⁽¹⁾ Field duplicate samples were collected for these primary samples and were submitted to the laboratory blind. Duplicate for SS-3-10 is SS-6-10 in reports and duplicate for SS-5-20 is SS-7-20 in reports.

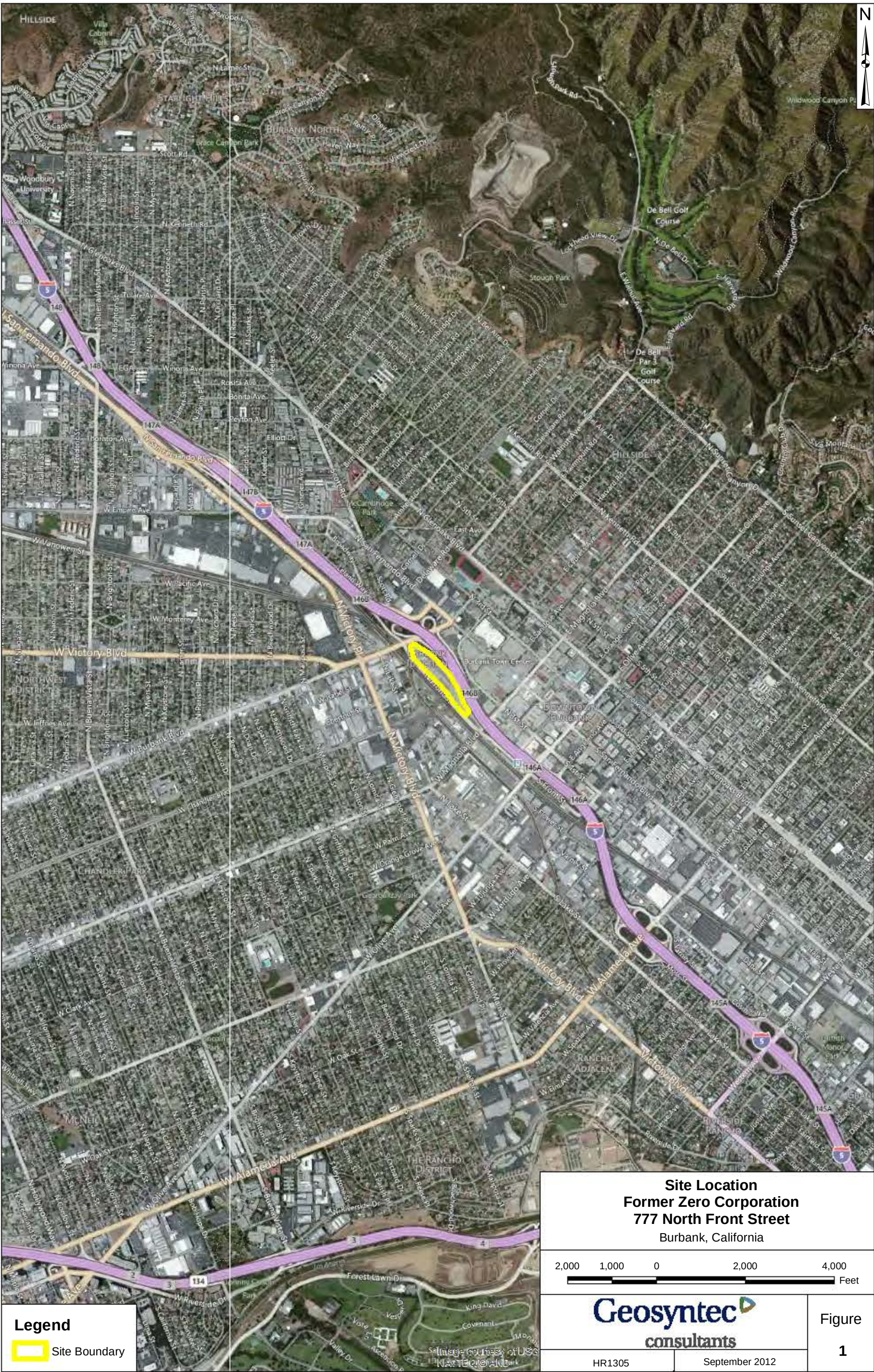
⁽²⁾ CHHSL excludes beryllium oxide and beryllium sulfate

⁽³⁾ Comparison criteria are for Cr(III); there are separate comparison criteria for Cr(VI)

⁽⁴⁾ Natural background concentrations of arsenic in California are often well above the health-based, direct-exposure goals in soil of 0.07 mg/kg for residential land use and 0.24 mg/kg for commercial/industrial land use (e.g., Bradford et. al, 1996; LBNL, 2002).

FIGURES

S:\GIS\HR1305\Projects\LocationMap 20110804.mxd tps 9/10/2012



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Legend

- SS-3**  Geosyntec Soil Boring
-  Former Clarifier (Based on Site Plan provided by Northridge Properties, LLC and field observations)
-  Former Building Location
-  Site Boundary

Site Map and Boring Locations
Former Zero Corporation
777 North Front Street
Burbank, California



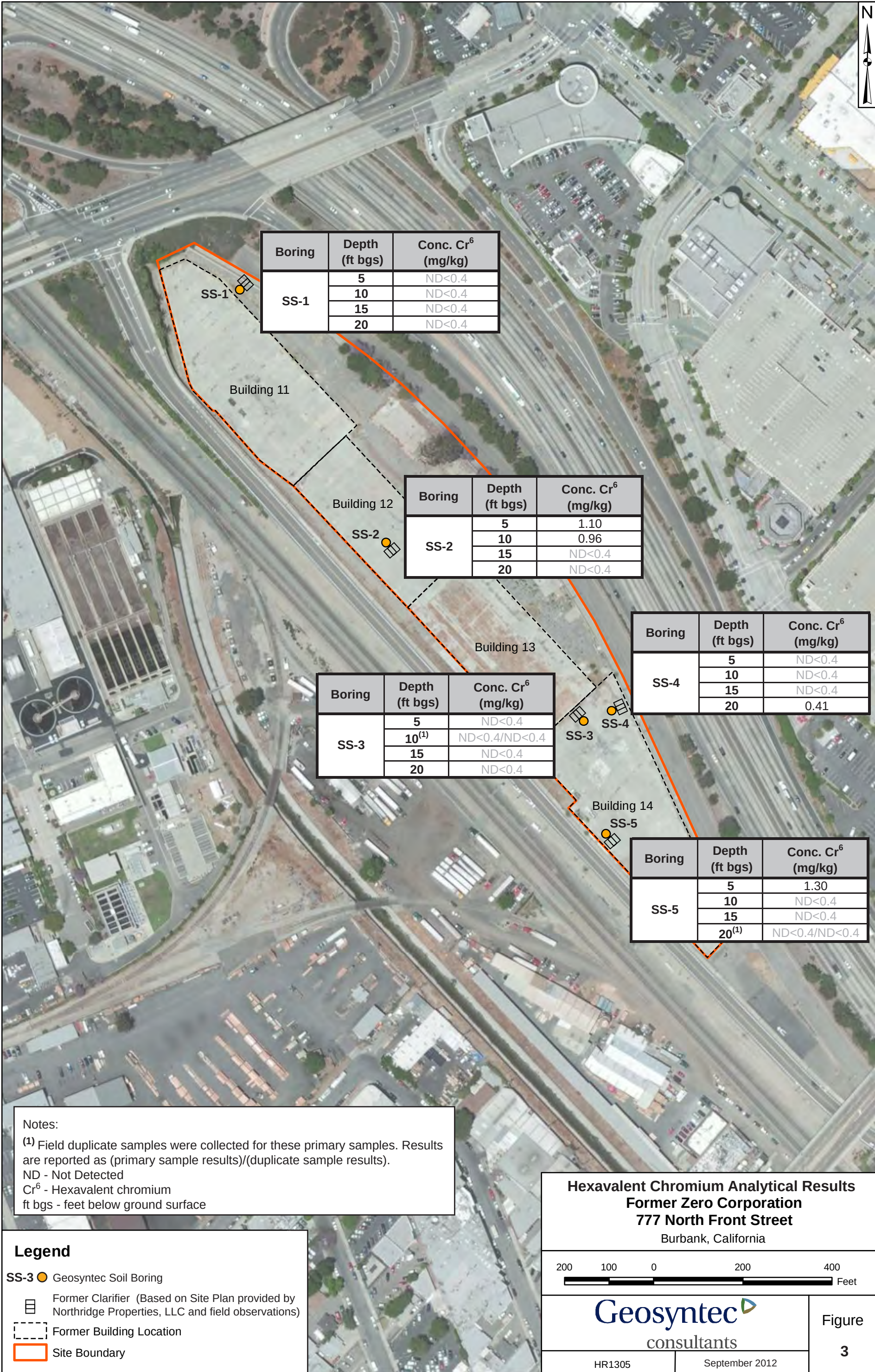
Geosyntec
consultants

Figure
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HR1305

September 2012

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APPENDIX A

APPROVED WORK PLAN

August 15, 2011
DRAFT

Samuel Unger
Executive Officer
Regional Water Quality Control Board, Los Angeles Region
320 West Fourth Street, Suite 200
Los Angeles, CA 90013

Subject: Soil Assessment Work Plan – Hexavalent Chromium
777 North Front Street, Burbank, California

Dear Mr. Unger:

INTRODUCTION

This document consists of a Work Plan for additional soil assessment to be conducted at the 777 North Front Street property, located in Burbank, California (the Site). This Work Plan was prepared by Geosyntec Consultants, Inc. (Geosyntec) at the request of Gilchrist & Rutter Professional Corp. (Gilchrist) on behalf of Northridge Properties, LLC, the owner of the property, for submittal to the Los Angeles Regional Water Quality Control Board (LARWQCB). The soil assessment is being conducted in response to a LARWQCB requirement sent to the Northridge Properties, LLC, in a letter dated May 10, 2011 [LARWQCB, 2011a]. The historical information contained in this Work Plan is based on Geosyntec's review and understanding of previous environmental reports and other reference material prepared by third parties (see Reference section). No warranty of the information provided in the third party reports or referenced materials is expressed or implied. Geosyntec reserves the right to correct any statement that we later find to be inaccurate in any way.

During the 1998 United States Environmental Protection Agency (USEPA) Superfund investigation of the San Fernando region which focused on volatile organic compounds (VOCs), groundwater supply well testing indicated the presence of hexavalent chromium (Cr^6) at levels significantly higher than expected background concentrations [LARWQCB, 2011a]. Based on this information, the LARWQCB reviewed Chemical Use Questionnaires (CUQs) provided by facilities in the area and identified 112 sites on which to conduct further investigation based on information that may indicate past

usage of chromium in their industrial activities. Though the Site was not part of the original 112 sites, further evaluation by the LARWQCB and results from an onsite 2009 Caltrans soil investigation of a strip of land along the northeasterly border of the Site led the LARWQCB to request that a soil investigation be conducted focused on Cr⁶ as described in their May 10 letter [LARWQCB, 2011a]. The primary objective of the scope of work described in this work plan is to satisfy the request of the LARWQCB to conduct a soil assessment at the Site for Cr⁶. The remainder of this Work Plan is divided into the following sections:

- Background;
- Sampling and Analysis Plan;
- Data Analysis and Reporting; and
- Closing.

BACKGROUND

Site Description & Operational History

The Site is located on an approximately 8-acre parcel in the City of Burbank, approximately 13 miles north-northwest of downtown Los Angeles. It is bordered to the northeast by old, vacated alignment of Front Street (beyond which is Interstate 5), to the northwest by Burbank Boulevard, to the southwest by a flood control channel and by a strip of land owned by the City of Burbank (beyond which is the new alignment of Front Street, and Front Street, and to the southeast by a parcel of land between old and new Front Street (also owned by the City) (Figure 1).

From 1920 to 1961, the Site was occupied by General Water Heater Company, and then was purchased by Zero Corporation (Zero) for use by a division of the company called Zero Enclosures, whose primary business was fabrication of metal enclosures. Six buildings were constructed at the Site to house historical manufacturing operations (Figure 2). In addition to Zero Enclosures' operations, from 1964 to 1973, a part of the Site was leased to Ocean Technology Inc., a subsidiary of Zero, which used the space to manufacture and assemble electronic products.

Zero's manufacturing operations were discontinued in December 1991. From that point until 2002, the Site was used for storage (a 1995 city directory shows the occupant as Western Moving & Storage, Inc.) and later as film studios for the entertainment industry [Mactech, 2005; Law/Crandall, 1997]. After that time, the Site was unoccupied, with on-site buildings demolished in 2004. Current aerial photographs show that concrete pads and foundations remain on the Site. The Site was sold in 1998 by Zero to the Ford Leasing Development Company, which sold it to Northridge Properties, LLC, in 2005.

A parcel of land adjacent to the Site on the southwest was leased by Zero from the Southern Pacific Transportation Company for use as chemical storage. This parcel is currently owned by the City of Burbank and was used in part for realignment of Front Street.

Description of Historical Activities

Zero's manufacturing operations included aluminum case drawing and washing, aluminum alodining (a metal coating process), chromate deoxidizing, steel phosphate coating and chromium sealing, painting (the Zero facility contained paint booths, a water-based paint shop and drying booth), aluminum machining, etching, deoxidizing and cleaning, aluminum vapor degreasing, and grinding [Targhee, 1991]. During Zero Enclosure's operations, the Site also contained four clarifiers, two underground storage tanks (USTs), two designated chemical storage areas, two paint storage areas, one oil storage area, one acid storage area, one acid/caustic soda storage area, and one hazardous waste staging area [Targhee, 1991]. The approximate former locations of the four clarifiers are shown in Figure 2. In 1987, the two USTs, which had been used to store unleaded gasoline, were removed from the Site under Los Angeles County Department of Public Works (LACDPW) oversight. A building permit was issued in 1993 for the removal and/or abandonment of clarifiers on the Site [Mactech, 2005].

A review of historical information indicates that an industrial waste permit was issued to Zero in 1967 [Targhee, 1991]. Wastes generated onsite included acetone, ketones, 1,1,1-TCA, waste oil, waste acids and paint sludges [Targhee, 1991]. Hazardous materials used in and/or generated from industrial activities on the Site were stored in the storage areas described above (chemical storage, oil storage, acid storage, acid/caustic soda storage, and hazardous waste staging areas) [Meredith/Boli & Associates, 1997].

In 1975, Zero was cited by the California Department of Health Services (DHS) and the City of Burbank for disposing excess chromium in a wastewater discharge. After an inspection of the Site and housekeeping activities, no further action was recommended by DHS [Targhee 1991]. A land ban generator inspection report was written in August 1988 by DHS which primarily discussed Site chemical handling and disposal practices. The report did not indicate chemicals had been disposed to the ground nor the presence of observed surface chemical staining [Targhee, 1991].

Site Geologic/Hydrogeologic Setting

The Site is located within the eastern San Fernando Valley. The majority of this area consists of alluvium, lake, playa and terrace deposits, and unconsolidated and semi-consolidated sedimentary deposits, with the area beneath the Site including recent Holocene-age to Pleistocene-age alluvial fan deposits derived from the Verdugo Mountains [Mactech, 2005]. During the most recent drilling activities conducted at a portion of the Site in 2009, soil encountered to depths of approximately 40 feet consisted primarily of sand, silty sand, clayey sand and sandy silt with trace gravel [Ninyo and Moore, 2009].

Based on measurements from on-site monitoring wells (installed after groundwater monitoring was required by LARWQCB as part of Site soil remediation activities described further in the next section) and recent environmental investigations over the period 1992 to 2009, depth to groundwater at the Site has varied between 94 and 126 feet below ground surface. The 1998 Seismic Hazard Evaluation for the Burbank Quadrangle [Mactech, 2005] indicated that the highest historical groundwater in the area was between 20 and 30 feet below ground surface.

Groundwater in the vicinity of the Site generally flows south to southeast toward the Los Angeles River. As a result of local groundwater treatment pumping activities close to the Site, the groundwater gradient and flow direction at the Site has been known to fluctuate in the past [Ninyo & Moore, 2009].

Previous Environmental Investigation and Regulatory History

Following excavation and removal of the USTs from the Site in 1987, samples were taken beneath each tank at a depth of 3 feet. The highest level of Total Petroleum Hydrocarbons detected was 31 parts per million (ppm) in one location. Based on this result, after the tank excavation pit was backfilled and repaved, and the tanks were triple rinsed with rinsate and disposed off-site, the LACDPW signed closure documentation indicating that no further action was required [Targhee, 1991].

In 1991, as part of its Well Investigation Program, the LARWQCB mandated that an initial subsurface investigation be conducted at the Site to assess VOC concentrations in soils. Based on the results of this initial survey, follow-on studies were conducted which eventually led to remedial activities aimed at addressing elevated levels of several chlorinated hydrocarbons in both shallow and deep soils. These activities (primarily Soil Vapor Extraction) were completed in 2000, with a Certificate of Completion issued by the LARWQCB dated July 1, 2002 [LARWQCB, 2002]. Waste soils generated by sampling activities were tested for metals including total chromium, which was detected in the one sample analyzed at 33 milligrams per kilogram (mg/kg) (shown on Table 1) [Hydro Geo Chem, 1998].

The soil remediation activities performed by Hydro Geo Chem also included a requirement for onsite groundwater monitoring [Hydro Geo Chem, 1998]. Trichloroethene (TCE) and tetrachloroethene (PCE) were the primary VOCs detected in groundwater samples, with only TCE detected above the targeted cleanup goal established in the Phase 1 remediation Work Plan during the last two years of remediation activities [Hydro Geo Chem 2000]. Based on comparison to the relatively low VOC levels detected in soil and soil vapor samples it was concluded that the groundwater TCE concentrations could not be entirely attributed to on-site contamination and was probably due to regional VOC issues. Hydro Geo Chem also tested for heavy metals, including chromium, in monitoring well purge water and reported these data in self-monitoring reports submitted to the LARWQCB (analytical results from samples collected between 1999 and 2001 ranged from non-detect to 12ug/L). A request to end groundwater monitoring activities was included with the request for a No Further Action determination for the remediation activities submitted by Hydro Geo Chem [Hydro Geo Chem, 2000]. A Certificate of Completion indicating that “the Site Investigation and Remedial Action at the Site has been satisfactorily completed and a permanent remedy has been accomplished” was issued by LARWQCB on July 1, 2002 [LARWQCB, 2002].

In October 1997, as part of a Site environmental assessment for Galpin Motors, Inc. (at the time, a prospective buyer of the property, but did not purchase it), Law/Crandall collected soil samples from a total of 18 borings for analysis of Title 22 (California Code of Regulations) metals. Twenty (20) soil samples collected from depths between 1 and 5 feet below ground surface (bgs) were analyzed for total chromium; duplicate (split) samples from 12 of the 20 Law/Crandall sampling locations were also analyzed by Hydro Geo Chem. The soil boring locations are included on Figure 2 and a summary of the total chromium soil sample results is included as Table 1. Total

chromium was detected in each of the 20 soil samples analyzed, up to a maximum concentration of 42.5 mg/kg. In September 1997, Emcon conducted a Site assessment for the City of Burbank along the previous, now vacated, alignment of North Front Street. Six borings were drilled and soil samples were collected from depths between 5 to 20 feet bgs, with one sample collected at 40 feet bgs. Samples were analyzed for eight of the Title 22 metals including: barium, chromium (total), cobalt, copper, lead, nickel, vanadium, and zinc. These soil results were compared to ten times their Soluble Threshold Limit Concentration (10xSTLC) which, if exceeded, would indicate the need for further analysis and a possible classification as hazardous waste. The soil boring locations are included on Figure 2 and the total chromium soil data are presented in Table 1. The results indicated that reported total chromium concentrations were below the 10xSTLC screening level of 50 mg/kg. One sample at 10 ft bgs tested higher than the 10xSTLC for copper (sample concentration was 421 mg/kg). As a follow-up, additional samples were taken in the same boring location at several depths to test for soluble copper using the California Waste Extraction Test (WET) method. Results from this testing were found to be significantly lower than the STLC for copper [Emcon, 1998]. Based on these results, no further investigation or analysis was performed by Emcon.

In 2009, Ninyo & Moore performed an investigation for the California Department of Transportation (Caltrans) in support of a possible acquisition of a portion of the Site along the previous, now vacated, alignment of North Front Street. In addition to data collected to confirm the adequacy of Site closure with respect to VOCs, 20 soil borings were drilled to depths of up to 20 feet bgs and soil samples were analyzed for metals (including total chromium and Cr⁶). The soil boring locations are included on Figure 2 and the total and Cr⁶ soil sample results are included in Table 1. Total chromium was detected in each of the samples at relatively low levels (highest was 54 mg/kg) and Cr⁶ was detected in 4 samples, with the highest concentration reported at 0.18 mg/kg. Results for total chromium were concluded to be significantly below the 10xSTLC level (50 mg/kg), and Cr⁶ concentrations in each of the samples were also significantly lower than the target screening level used in the report, which was the EPA Preliminary Remediation Goal (PRG) for commercial/industrial properties of 200 mg/kg [Ninyo & Moore 2009].

SAMPLING AND ANALYSIS PLAN

General

To expand on the previous assessments of the Site for evidence of historical chromium releases described in previous sections, soil borings will be drilled in five locations (one boring per location) to a depth of 20 feet bgs in the areas identified in Figure 3. These locations were designated as areas of concern based on conversations with the LARWQCB and review of Zero Enclosures facility maps which indicated the presence of Site features, such as clarifiers and a former pretreatment process area. Locations where previous sampling activities had occurred were also taken into account. Based on the amount of sampling that has taken place at the Site to date, and the geologic materials present at the Site, one boring per Site feature location to 20 feet bgs will be sufficient to characterize these areas for the potential for Cr⁶ impacts. The results from this sampling event will be documented and summarized along with previous assessment results for the LARWQCB to confirm closure of the Cr⁶ question or to develop next steps, as needed.

Fieldwork Preparation and Borehole Installation

Soil borings will be installed using a direct push drill rig. Borings will be drilled to depths of up to 20 feet bgs or until refusal. As the Site is vacant without knowledgeable Site personnel, borehole locations will be cleared of underground utilities by performing a geophysical survey in advance of field work, and notification of Underground Service Alert (USA) prior to commencing field work. Concrete coring will be performed prior to drilling in areas currently covered with a concrete foundation.

Sample Collection

Soil cores will be continuously recovered over the entire borehole depth using a 2-foot sampler lined with acetate sleeves. Boreholes will be visually logged for geologic lithology in accordance with the Unified Soil Classification System (USCS) through evaluation of drill cuttings and soil samples. Soil cores will be visually evaluated for evidence of impacts or odors. Select soil samples will be retained for laboratory analytical testing. Soil samples will be collected at roughly 5-foot intervals, however sample locations may be adjusted based on the results of observations of visual impacts or odors, or the identification of low permeable layers. Soil samples will be stored in a cooler on ice pending shipment to CalScience Laboratories under chain of custody protocol. Samples will be analyzed for Cr⁶ speciation.

Decontamination and Investigation-Derived Waste Disposal

Boreholes will be abandoned with hydrated bentonite pellets. Augers will be decontaminated with a three-stage rinse between borehole locations. The direct push method does not produce drill significant cuttings; however, some waste cuttings and decontamination water will be generated. Investigation-derived wastes will be stored in drums for off-site disposal.

Quality Assurance/Quality Control

Duplicate samples will be collected from each sample location and approximately 10% of the total sample number will be analyzed. Samples of water used to rinse equipment after decontamination procedures are completed will be collected to evaluate the effectiveness of decontamination protocols. Trip blanks will be stored with analytical samples during transport to the analytical lab.

Quality control procedures of Calscience Laboratories will be included in an appendix to the final report along with lab reports.

DATA ANALYSIS AND REPORTING

A data summary report will be prepared to document field activities and present the findings of the investigation. This report will be submitted to the LARWQCB within six weeks of receipt of the laboratory analytical results. The report will include figures illustrating sampling locations and copies of laboratory analytical data. The investigation analytical results will be evaluated based on a comparison with historical Cr⁶ data, background levels of Cr⁶ in the area, as well as EPA-established screening levels. If appropriate, the report will include recommendations for further analysis or investigation/delineation. Per the requirements of the LARWQCB, boring logs will also be prepared and included in the report.

Samuel Unger
August 15, 2011
Page 9 – 777 N. Front St. DRAFT

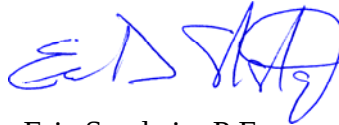
CLOSING

We are seeking your concurrence with and approval of this Work Plan. If you have any questions or comments on the contents of this letter, please do not hesitate to contact Eric Smalstig of Geosyntec at 714-969-0800.

Sincerely,



Mike Reardon, P.E.
Senior Engineer



Eric Smalstig, P.E.
Principal

Copies to:

Larry Moore, LARWQCB (via electronic mail)

Jeffrey Hu, LARWQCB (via electronic mail)

Alex Lapostol, E2 (via electronic mail)

Don Nanney, Gilchrist & Rutter, PC (via electronic mail)

REFERENCES & BIBLIOGRAPHY

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MACTEC, 2005. Report of Phase I Environmental Site Assessment – Former Zero Corporation Facility. 5 April.

Meredith/Boli & Associates, Inc., 1997. Memorandum – 777 Front Street. 4 November.

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Samuel Unger
August 15, 2011
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Targhee, Inc., 1991. Limited Phase I Environmental Assessment Report. 26 March.

TABLE

**Table 1: Summary of Historical Total Chromium Soils Data
Former Zero Corporation and Vicinity
777 N. Front Street, Burbank, California**

Location	Company	Date Sampled	Total Chromium Conc. (mg/kg)	Hexavalent Chromium Conc. (mg/kg)
BE1@2.5'	Law/Crandall ¹	9/10/1997	7.06/7.7 (HGC) ¹	NA
BE2@2.5'	Law/Crandall ¹	9/15/1997	42.5	NA
BE3@2'	Law/Crandall ¹	9/10/1997	15/2.8 (HGC) ¹	NA
BE4@5'	Law/Crandall ¹	9/15/1997	11.9	NA
BE5@1'	Law/Crandall ¹	9/10/1997	6.03/20 (HGC) ¹	NA
BE6@5'	Law/Crandall ¹	9/10/1997	0.06/27 (HGC) ¹	NA
BE7@5'	Law/Crandall ¹	9/10/1997	19.9/5.4 (HGC) ¹	NA
BE8@1'	Law/Crandall ¹	9/10/1997	18.4/18 (HGC) ¹	NA
BE9@5'	Law/Crandall ¹	9/10/1997	19.6/2.6 (HGC) ¹	NA
BG10@1'	Law/Crandall ¹	9/15/1997	16/19 (HGC) ¹	NA
BG11@1'	Law/Crandall ¹	9/12/1997	12	NA
BG12@1'	Law/Crandall ¹	9/15/1997	16.6	NA
BG12B@1'	Law/Crandall ¹	9/15/1997	16.3	NA
BG13@5'	Law/Crandall ¹	9/12/1997	22.1/27 (HGC) ¹	NA
BG14@1'	Law/Crandall ¹	9/15/1997	3.76	NA
BG15@1'	Law/Crandall ¹	9/12/1997	11.9	NA
BG16@1'	Law/Crandall ¹	9/15/1997	15/26 (HGC) ¹	NA
BG17@1'	Law/Crandall ¹	9/12/1997	12/17 (HGC) ¹	NA
BG18@1'	Law/Crandall ¹	9/15/1997	5.43	NA
BG18@5'	Law/Crandall ¹	9/15/1997	18/26 (HGC) ¹	NA
Waste Soils	Hydro Geo Chem, Inc. ²	1997 or 1998	33	NA
B1@5'	EMCON ³	9/26/1997	22.7	NA
B1@10'	EMCON ³	9/26/1997	21.3	NA
B1@15'	EMCON ³	9/26/1997	16.7	NA
B1@20'	EMCON ³	9/26/1997	15.5	NA
B2@5'	EMCON ³	9/26/1997	10.7	NA
B2@10'	EMCON ³	9/26/1997	11.4	NA
B2@15'	EMCON ³	9/26/1997	16.6	NA
B2@20'	EMCON ³	9/26/1997	8.17	NA
B3@5'	EMCON ³	9/26/1997	24.7	NA
B3@10'	EMCON ³	9/26/1997	21.6	NA
B3@15'	EMCON ³	9/26/1997	21.4	NA

Location	Company	Date Sampled	Total Chromium Conc. (mg/kg)	Hexavalent Chromium Conc. (mg/kg)
B3@20'	EMCON ³	9/26/1997	20.6	NA
B4@5'	EMCON ³	9/26/1997	27.3	NA
B4@10'	EMCON ³	9/26/1997	17.7	NA
B4@15'	EMCON ³	9/26/1997	16.7	NA
B4@20'	EMCON ³	9/26/1997	15	NA
B5@5'	EMCON ³	9/26/1997	10.7	NA
B5@10'	EMCON ³	9/26/1997	9.18	NA
B5@15'	EMCON ³	9/26/1997	6.14	NA
B5@20'	EMCON ³	9/26/1997	13.2	NA
B6@5'	EMCON ³	9/26/1997	12.9	NA
B6@10'	EMCON ³	9/26/1997	16.3	NA
B6@15'	EMCON ³	9/26/1997	8.16	NA
B6@20'	EMCON ³	9/26/1997	11.7	NA
B6@25'	EMCON ³	9/26/1997	11.7	NA
B6@30'	EMCON ³	9/26/1997	13.2	NA
B6@35'	EMCON ³	9/26/1997	11.8	NA
B6@40'	EMCON ³	9/26/1997	12.3	NA
1001-101-2-S	Ninyo & Moore ⁴	4/20/2009	21	<0.10
1001-101-5-S	Ninyo & Moore ⁴	4/20/2009	20	<0.10
1001-101-10-S	Ninyo & Moore ⁴	4/20/2009	14	<0.10
1001-101-20-S	Ninyo & Moore ⁴	4/20/2009	8.5	<0.10
1001-102-2-S	Ninyo & Moore ⁴	4/20/2009	24	<0.10
1001-102-5-S	Ninyo & Moore ⁴	4/20/2009	16	<0.10
1001-102-10-S	Ninyo & Moore ⁴	4/20/2009	17	<0.10
1001-102-20-S	Ninyo & Moore ⁴	4/20/2009	23	<0.10
1001-103-2-S	Ninyo & Moore ⁴	4/20/2009	21	<0.10
1001-103-5-S	Ninyo & Moore ⁴	4/20/2009	17	<0.10
1001-103-10-S	Ninyo & Moore ⁴	4/20/2009	18	<0.10
1001-103-20-S	Ninyo & Moore ⁴	4/20/2009	21	<0.10
1001-104-2-S	Ninyo & Moore ⁴	4/20/2009	24	<0.10
1001-104-5-S	Ninyo & Moore ⁴	4/20/2009	19	<0.10
1001-104-10-S	Ninyo & Moore ⁴	4/20/2009	21	<0.10
1001-104-20-S	Ninyo & Moore ⁴	4/20/2009	19	<0.10
1001-105-2-S	Ninyo & Moore ⁴	4/20/2009	25	<0.10
1001-105-5-S	Ninyo & Moore ⁴	4/20/2009	23	<0.10
1001-105-10-S	Ninyo & Moore ⁴	4/20/2009	25	<0.10
1001-105-20-S	Ninyo & Moore ⁴	4/20/2009	9.5	<0.10
1001-106-2-S	Ninyo & Moore ⁴	4/21/2009	29	<0.10

Location	Company	Date Sampled	Total Chromium Conc. (mg/kg)	Hexavalent Chromium Conc. (mg/kg)
1001-106-5-S	Ninyo & Moore ⁴	4/21/2009	28	0.18
1001-106-10-S	Ninyo & Moore ⁴	4/21/2009	23	<0.10
1001-106-20-S	Ninyo & Moore ⁴	4/21/2009	25	<0.10
1001-106-20D-S	Ninyo & Moore ⁴	4/21/2009	22	<0.10
1001-107-2-S	Ninyo & Moore ⁴	4/21/2009	54	0.12
1001-107-5-S	Ninyo & Moore ⁴	4/21/2009	35	0.10
1001-107-10-S	Ninyo & Moore ⁴	4/21/2009	22	<0.10
1001-107-20-S	Ninyo & Moore ⁴	4/21/2009	19	0.14
1001-108-2-S	Ninyo & Moore ⁴	4/21/2009	26	<0.10
1001-108-5-S	Ninyo & Moore ⁴	4/21/2009	21	<0.10
1001-108-10-S	Ninyo & Moore ⁴	4/21/2009	27	<0.10
1001-108-10D-S	Ninyo & Moore ⁴	4/21/2009	30	<0.10
1001-108-20-S	Ninyo & Moore ⁴	4/21/2009	18	<0.10
1001-109-2-S	Ninyo & Moore ⁴	4/21/2009	19	<0.10
1001-109-5-S	Ninyo & Moore ⁴	4/21/2009	25	<0.10
1001-109-10-S	Ninyo & Moore ⁴	4/21/2009	13	<0.10
1001-109-20-S	Ninyo & Moore ⁴	4/21/2009	15	<0.10
1001-110-2-S	Ninyo & Moore ⁴	4/21/2009	18	<0.10
1001-110-5-S	Ninyo & Moore ⁴	4/21/2009	26	<0.10
1001-110-5D-S	Ninyo & Moore ⁴	4/21/2009	24	<0.10
1001-110-10-S	Ninyo & Moore ⁴	4/21/2009	17	<0.10
1001-110-20-S	Ninyo & Moore ⁴	4/21/2009	9.7	<0.10
1001-111-2-S	Ninyo & Moore ⁴	4/20/2009	20	<0.10
1001-111-2D-S	Ninyo & Moore ⁴	4/20/2009	21	<0.10
1001-111-5-S	Ninyo & Moore ⁴	4/20/2009	25	<0.10
1001-111-10-S	Ninyo & Moore ⁴	4/20/2009	13	<0.10
1001-111-20-S	Ninyo & Moore ⁴	4/20/2009	21	<0.10
1001-111-20D-S	Ninyo & Moore ⁴	4/20/2009	16	<0.10
1001-112-2-S	Ninyo & Moore ⁴	4/20/2009	22	<0.10
1001-112-5-S	Ninyo & Moore ⁴	4/20/2009	16	<0.10
1001-112-10-S	Ninyo & Moore ⁴	4/20/2009	8.5	<0.10
1001-112-20-S	Ninyo & Moore ⁴	4/20/2009	21	<0.10

Notes:

mg/kg - Milligrams per kilogram

NA - Not analyzed as part of the investigation

HGC - Hydro Geo Chem, Inc.

Data From:

1 - Law/Crandall based sampling, splits given to Hydro Geo Chem, Inc. for quality control
Law/Crandall, 1997. Report of Environmental Evaluation - 777 North Front Street. 1 October, Table 1.

Hydro Geo Chem, Inc., 2000. Work Plan for No Further Action Closure - Former Zero Facility. 28 June, Table 4.

2 - Hydro Geo Chem, Inc., 1998. Groundwater Monitoring Report January 1997 Through January 1998 - Zero Facility. 3 April, Table 5.

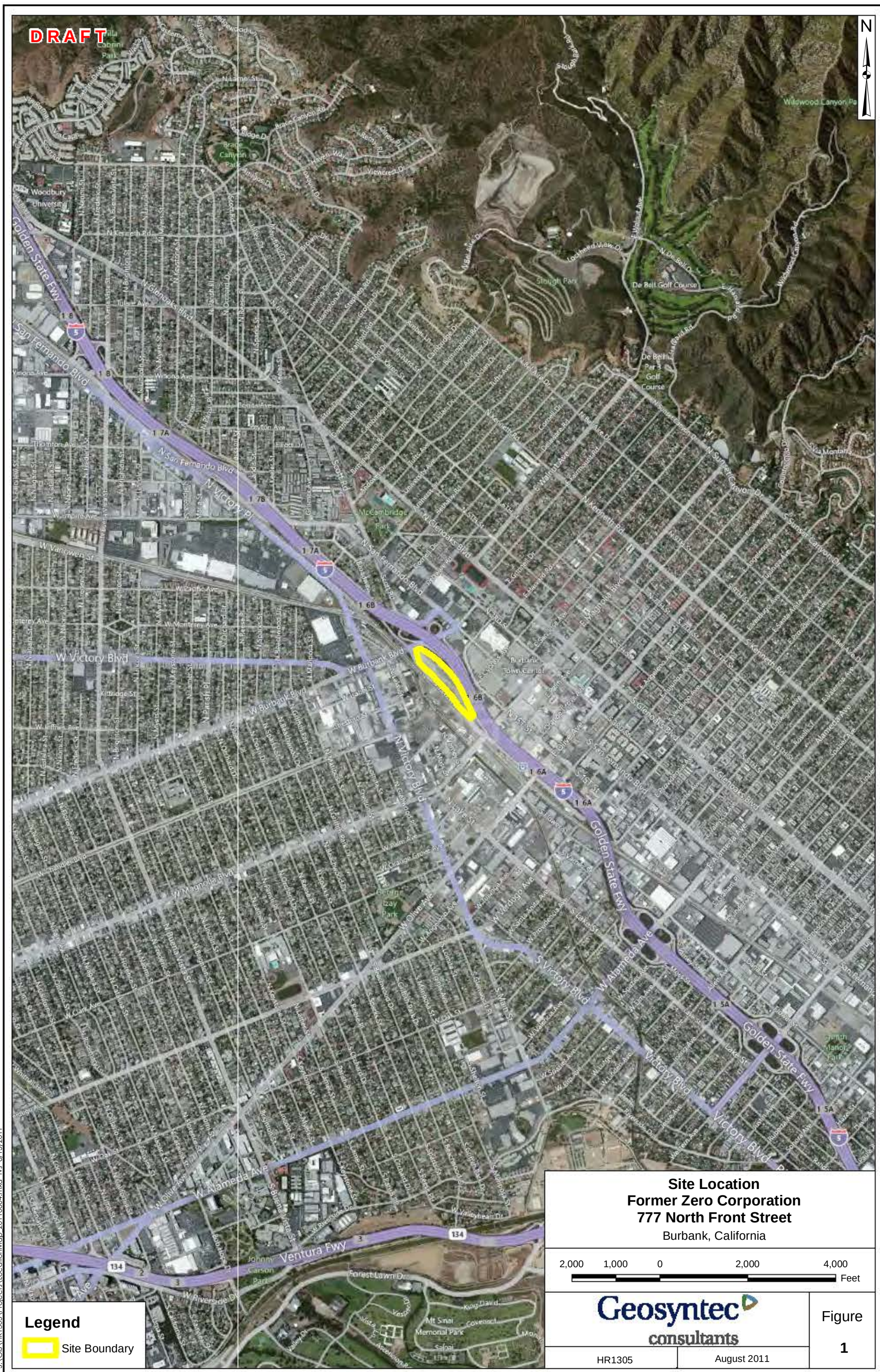
3 - EMCON, 1997. Results of Phase II Environmental Site Assessment - North Front Street. 22 October, Appendix C.

4 - Ninyo & Moore, 2009. Parcel Acquisition Site Investigation - 777 North Front Street. 30 June, Table 3.

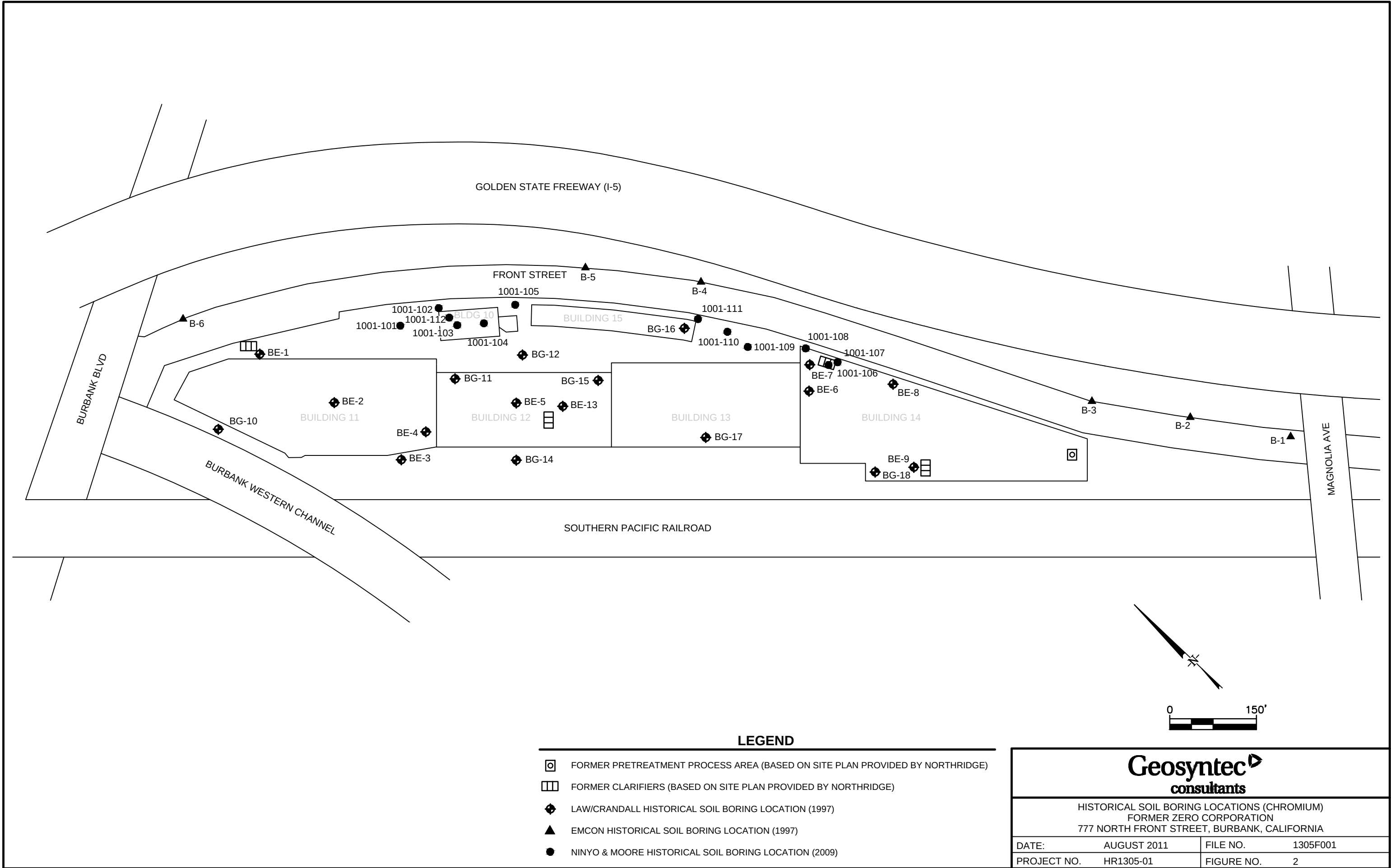
Total Chromium analyzed using EPA Test Method 6010B

Hexavalent Chromium analyzed using EPA Test Method 7196A

FIGURES



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S:\GIS\HR1305\Projects\SitePlan_20110804.mxd fvs 10/28/2011



Legend

- Geosyntec Proposed Soil Boring (2011)
- ☐ Former Clarifier
(Based on Site Plan Provided by Northridge)
- ☐ Former Building Location
- ☐ Site Boundary

Proposed Soil Boring Locations
Former Zero Corporation
777 North Front Street
Burbank, California



Geosyntec
consultants

Figure
3

HR1305 October 2011

June 7, 2012

Larry Moore
Project Manager
Regional Water Quality Control Board, Los Angeles Region
320 West Fourth Street, Suite 200
Los Angeles, CA 90013

Subject: Soil Assessment Confirmation / Metals Testing
Case/File: Former Zero Corporation (File No. 109.6162)
777 North Front Street, Burbank, California

Dear Mr. Moore:

This letter supersedes our letter dated May 24, 2012. The purpose of this letter is to confirm specific provisions of the Regional Water Quality Control Board (Regional Board) approved Work Plan for additional soil assessment to be conducted at the 777 North Front Street property, located in Burbank, California (the Site). The soil assessment is to be conducted in response to a letter and California Water Code Section 13267 Requirement to Provide Technical Report, dated May 10, 2011 [LARWQCB, 2011a], sent by the Regional Board to the owner of the Site, Northridge Properties, LLC. The Soil Assessment Work Plan (Work Plan) proposed analysis of soil samples only for hexavalent chromium (Cr⁶), consistent with the focus of LARWQCB, 2011a. The Work Plan was approved by the Regional Board in a letter dated December 20, 2011, which called for analysis of soil samples for Title 22 metals and Cr⁶. This confirmation letter was prepared by Geosyntec Consultants, Inc. (Geosyntec) at the request of Gilchrist & Rutter Professional Corp. (Gilchrist) on behalf of Northridge Properties, LLC.

Because past studies of soil samples for Title 22 metals have not indicated metals of concern [Law/Crandall, 1997; Hydro Geo Chem, 2000; and Ninyo & Moore, 2009], other than the Regional Board's concern regarding Cr⁶ as stated in LARWQCB, 2011a, and to avoid incurring unwarranted analytical costs, we requested (in our letter of May 24, 2012) confirmation that the soils to be sampled again at identified Site locations in accordance with the approved Work Plan will be analyzed only for speciated chromium

(specifically Cr⁶). Following subsequent discussions, we understand that you have agreed instead to limit the number of soil samples to be analyzed for Title 22 metals. Specifically, two of the five borings will include soil sampling for Title 22 metals analysis at 10 feet and 20 feet (boring termination depth), in addition to speciated Cr⁶. We will work with you to select the two borings for this additional testing. We also understand that the purpose for the testing for Title 22 metals is to obtain additional data to support the issuance of a no further action determination for the Site if indicated by the data.

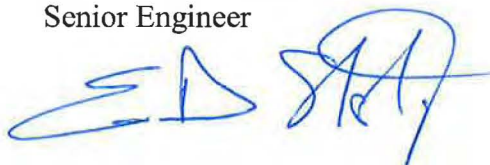
We are seeking your concurrence with this confirmation letter as to the required scope of work. If you have questions or comments on the contents of this letter, please do not hesitate to contact Eric Smalstig of Geosyntec at 714-969-0800.

Finally, while cooperating with the Section 13267 Requirement to Provide Technical Report, Northridge Properties reserves all its contentions, rights, remedies and defenses in this matter, including but not limited to those stated in Petition No. A-2167 on file with the State Water Resources Control Board.

Sincerely,



Mike Reardon, P.E.
Senior Engineer



Eric Smalstig, P.E.
Principal

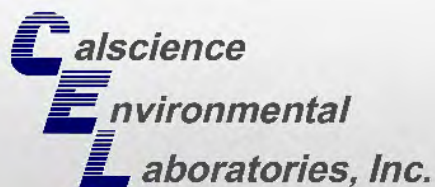
Copies to:

Alex Lapostol, E2 (via electronic mail)

Don Nanney, Gilchrist & Rutter, PC (via electronic mail)

APPENDIX B

LABORATORY ANALYTICAL REPORT



CALSCIENCE

WORK ORDER NUMBER: 12-06-1919

The difference is service



AIR :: SOIL :: WATER :: MARINE CHEMISTRY

Analytical Report For

Client: Geosyntec Consultants

Client Project Name: HR1305

Attention: Matt Thomas
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

Matt Thomas

Approved for release on 07/6/2012 by:
Stephen Nowak
Project Manager

ResultLink ▶

Email your PM ▶



Calscience Environmental Laboratories, Inc. (Calscience) certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any defense to any litigation which may arise.



Contents

Client Project Name: HR1305
Work Order Number: 12-06-1919

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	2.2 EPA 6010B/7471A CAC Title 22 Metals / EPA 7471A Mercury (Solid)	9
3	Quality Control Sample Data	12
	3.1 MS/MSD and/or Duplicate	12
	3.2 LCS/LCSD	17
4	Glossary of Terms and Qualifiers	21
5	Chain of Custody/Sample Receipt Form	22

Client: Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460
Attn: Matt Thomas

Work Order: 12-06-1919
Project name: HR1305
Received: 06/28/12 13:05

DETECTIONS SUMMARY

Client Sample ID

Analyte	Result	Qualifiers	Reporting Limit	Units	Method	Extraction
SS-2-5 (12-06-1919-5)						
Chromium, Hexavalent	1100		400	ug/kg	EPA 7199	EPA 3060A
SS-2-10 (12-06-1919-6)						
Arsenic	6.23		0.750	mg/kg	EPA 6010B	EPA 3050B
Barium	75.7		0.500	mg/kg	EPA 6010B	EPA 3050B
Chromium	33.0		0.250	mg/kg	EPA 6010B	EPA 3050B
Cobalt	7.02		0.250	mg/kg	EPA 6010B	EPA 3050B
Copper	244		0.500	mg/kg	EPA 6010B	EPA 3050B
Lead	1.67		0.500	mg/kg	EPA 6010B	EPA 3050B
Nickel	10.8		0.250	mg/kg	EPA 6010B	EPA 3050B
Vanadium	31.1		0.250	mg/kg	EPA 6010B	EPA 3050B
Zinc	753		1.00	mg/kg	EPA 6010B	EPA 3050B
Chromium, Hexavalent	960		400	ug/kg	EPA 7199	EPA 3060A
SS-2-20 (12-06-1919-8)						
Arsenic	8.06		0.750	mg/kg	EPA 6010B	EPA 3050B
Barium	178		0.500	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.699		0.250	mg/kg	EPA 6010B	EPA 3050B
Cadmium	3.23		0.500	mg/kg	EPA 6010B	EPA 3050B
Chromium	20.4		0.250	mg/kg	EPA 6010B	EPA 3050B
Cobalt	30.6		0.250	mg/kg	EPA 6010B	EPA 3050B
Copper	79.0		0.500	mg/kg	EPA 6010B	EPA 3050B
Lead	2.21		0.500	mg/kg	EPA 6010B	EPA 3050B
Nickel	102		0.250	mg/kg	EPA 6010B	EPA 3050B
Vanadium	42.7		0.250	mg/kg	EPA 6010B	EPA 3050B
Zinc	12100		100	mg/kg	EPA 6010B	EPA 3050B
SS-3-10 (12-06-1919-10)						
Arsenic	6.83		0.750	mg/kg	EPA 6010B	EPA 3050B
Barium	168		0.500	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.387		0.250	mg/kg	EPA 6010B	EPA 3050B
Chromium	22.6		0.250	mg/kg	EPA 6010B	EPA 3050B
Cobalt	14.2		0.250	mg/kg	EPA 6010B	EPA 3050B
Copper	23.9		0.500	mg/kg	EPA 6010B	EPA 3050B
Lead	1.89		0.500	mg/kg	EPA 6010B	EPA 3050B
Nickel	17.6		0.250	mg/kg	EPA 6010B	EPA 3050B
Vanadium	44.5		0.250	mg/kg	EPA 6010B	EPA 3050B
Zinc	63.8		1.00	mg/kg	EPA 6010B	EPA 3050B

*MDL is shown.



Client: Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460
Attn: Matt Thomas

Work Order: 12-06-1919
Project name: HR1305
Received: 06/28/12 13:05

DETECTIONS SUMMARY

Client Sample ID

Analyte	Result	Qualifiers	Reporting Limit	Units	Method	Extraction
SS-3-20 (12-06-1919-12)						
Arsenic	7.78		0.750	mg/kg	EPA 6010B	EPA 3050B
Barium	234		0.500	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.436		0.250	mg/kg	EPA 6010B	EPA 3050B
Chromium	21.4		0.250	mg/kg	EPA 6010B	EPA 3050B
Cobalt	14.4		0.250	mg/kg	EPA 6010B	EPA 3050B
Copper	26.9		0.500	mg/kg	EPA 6010B	EPA 3050B
Lead	2.44		0.500	mg/kg	EPA 6010B	EPA 3050B
Nickel	17.1		0.250	mg/kg	EPA 6010B	EPA 3050B
Vanadium	44.5		0.250	mg/kg	EPA 6010B	EPA 3050B
Zinc	59.4		1.00	mg/kg	EPA 6010B	EPA 3050B
SS-4-20 (12-06-1919-16)						
Chromium, Hexavalent	410		400	ug/kg	EPA 7199	EPA 3060A
SS-5-5 (12-06-1919-17)						
Chromium, Hexavalent	1300		400	ug/kg	EPA 7199	EPA 3060A
SS-6-10 (12-06-1919-21)						
Arsenic	6.59		0.750	mg/kg	EPA 6010B	EPA 3050B
Barium	166		0.500	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.337		0.250	mg/kg	EPA 6010B	EPA 3050B
Chromium	19.0		0.250	mg/kg	EPA 6010B	EPA 3050B
Cobalt	12.5		0.250	mg/kg	EPA 6010B	EPA 3050B
Copper	21.2		0.500	mg/kg	EPA 6010B	EPA 3050B
Lead	1.70		0.500	mg/kg	EPA 6010B	EPA 3050B
Nickel	15.1		0.250	mg/kg	EPA 6010B	EPA 3050B
Vanadium	37.8		0.250	mg/kg	EPA 6010B	EPA 3050B
Zinc	55.0		1.00	mg/kg	EPA 6010B	EPA 3050B

Subcontracted analyses, if any, are not included in this summary.

*MDL is shown.

Analytical Report



Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

Date Received: 06/28/12
Work Order No: 12-06-1919
Preparation: EPA 3060A
Method: EPA 7199

Project: HR1305

Page 1 of 4

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SS-1-5	12-06-1919-1-A	06/28/12 07:30	Solid	IC 12	06/29/12	06/29/12 16:58	120629L01

Comment(s): -The reporting limit is elevated resulting from matrix interference.

Parameter	Result	RL	DF	Qual	Units
Chromium, Hexavalent	ND	400	10		ug/kg

SS-1-10	12-06-1919-2-A	06/28/12 07:32	Solid	IC 12	06/29/12	06/30/12 12:12	120630L01
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Comment(s): -The reporting limit is elevated resulting from matrix interference.

Parameter	Result	RL	DF	Qual	Units
Chromium, Hexavalent	ND	400	10		ug/kg

SS-1-15	12-06-1919-3-A	06/28/12 07:34	Solid	IC 12	06/29/12	06/29/12 17:43	120629L01
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Comment(s): -The reporting limit is elevated resulting from matrix interference.

Parameter	Result	RL	DF	Qual	Units
Chromium, Hexavalent	ND	400	10		ug/kg

SS-1-20	12-06-1919-4-A	06/28/12 07:36	Solid	IC 12	06/29/12	06/29/12 17:51	120629L01
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Comment(s): -The reporting limit is elevated resulting from matrix interference.

Parameter	Result	RL	DF	Qual	Units
Chromium, Hexavalent	ND	400	10		ug/kg

SS-2-5	12-06-1919-5-A	06/28/12 08:00	Solid	IC 12	06/29/12	06/29/12 17:58	120629L01
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Parameter	Result	RL	DF	Qual	Units
Chromium, Hexavalent	1100	400	10		ug/kg

SS-2-10	12-06-1919-6-A	06/28/12 08:04	Solid	IC 12	06/29/12	06/29/12 18:06	120629L01
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Parameter	Result	RL	DF	Qual	Units
Chromium, Hexavalent	960	400	10		ug/kg

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Analytical Report



Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

Date Received: 06/28/12
Work Order No: 12-06-1919
Preparation: EPA 3060A
Method: EPA 7199

Project: HR1305

Page 2 of 4

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SS-2-15	12-06-1919-7-A	06/28/12 08:08	Solid	IC 12	06/29/12	06/29/12 18:13	120629L01

Comment(s): -The reporting limit is elevated resulting from matrix interference.

Parameter	Result	RL	DF	Qual	Units
Chromium, Hexavalent	ND	400	10		ug/kg

SS-2-20	12-06-1919-8-A	06/28/12 08:12	Solid	IC 12	06/29/12	06/30/12 12:19	120630L01
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Comment(s): -The reporting limit is elevated resulting from matrix interference.

Parameter	Result	RL	DF	Qual	Units
Chromium, Hexavalent	ND	400	10		ug/kg

SS-3-5	12-06-1919-9-A	06/28/12 09:10	Solid	IC 12	06/29/12	06/29/12 18:28	120629L01
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Comment(s): -The reporting limit is elevated resulting from matrix interference.

Parameter	Result	RL	DF	Qual	Units
Chromium, Hexavalent	ND	400	10		ug/kg

SS-3-10	12-06-1919-10-A	06/28/12 09:15	Solid	IC 12	06/29/12	06/29/12 18:44	120629L01
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Comment(s): -The reporting limit is elevated resulting from matrix interference.

Parameter	Result	RL	DF	Qual	Units
Chromium, Hexavalent	ND	400	10		ug/kg

SS-3-15	12-06-1919-11-A	06/28/12 09:16	Solid	IC 12	06/29/12	06/29/12 19:32	120629L01
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Comment(s): -The reporting limit is elevated resulting from matrix interference.

Parameter	Result	RL	DF	Qual	Units
Chromium, Hexavalent	ND	400	10		ug/kg

SS-3-20	12-06-1919-12-A	06/28/12 09:18	Solid	IC 12	06/29/12	06/29/12 19:40	120629L01
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Comment(s): -The reporting limit is elevated resulting from matrix interference.

Parameter	Result	RL	DF	Qual	Units
Chromium, Hexavalent	ND	400	10		ug/kg

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Analytical Report



Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

Date Received: 06/28/12
Work Order No: 12-06-1919
Preparation: EPA 3060A
Method: EPA 7199

Project: HR1305

Page 3 of 4

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SS-4-5	12-06-1919-13-A	06/28/12 08:43	Solid	IC 12	06/29/12	06/29/12 19:47	120629L01

Comment(s): -The reporting limit is elevated resulting from matrix interference.

Parameter	Result	RL	DF	Qual	Units
Chromium, Hexavalent	ND	400	10		ug/kg

SS-4-10	12-06-1919-14-A	06/28/12 08:47	Solid	IC 12	06/29/12	06/29/12 19:55	120629L01
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Comment(s): -The reporting limit is elevated resulting from matrix interference.

Parameter	Result	RL	DF	Qual	Units
Chromium, Hexavalent	ND	400	10		ug/kg

SS-4-15	12-06-1919-15-A	06/28/12 08:51	Solid	IC 12	06/29/12	06/29/12 20:02	120629L01
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Comment(s): -The reporting limit is elevated resulting from matrix interference.

Parameter	Result	RL	DF	Qual	Units
Chromium, Hexavalent	ND	400	10		ug/kg

SS-4-20	12-06-1919-16-A	06/28/12 08:55	Solid	IC 12	06/29/12	06/29/12 20:10	120629L01
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Parameter	Result	RL	DF	Qual	Units
Chromium, Hexavalent	410	400	10		ug/kg

SS-5-5	12-06-1919-17-A	06/28/12 09:53	Solid	IC 12	06/29/12	06/29/12 20:17	120629L01
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Parameter	Result	RL	DF	Qual	Units
Chromium, Hexavalent	1300	400	10		ug/kg

SS-5-10	12-06-1919-18-A	06/28/12 09:58	Solid	IC 12	06/29/12	06/29/12 20:25	120629L01
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Comment(s): -The reporting limit is elevated resulting from matrix interference.

Parameter	Result	RL	DF	Qual	Units
Chromium, Hexavalent	ND	400	10		ug/kg

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Analytical Report



Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

Date Received: 06/28/12
Work Order No: 12-06-1919
Preparation: EPA 3060A
Method: EPA 7199

Project: HR1305

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SS-5-15	12-06-1919-19-A	06/28/12 10:02	Solid	IC 12	06/29/12	06/29/12 20:32	120629L01

Comment(s): -The reporting limit is elevated resulting from matrix interference.

Parameter	Result	RL	DF	Qual	Units
Chromium, Hexavalent	ND	400	10		ug/kg

SS-5-20	12-06-1919-20-A	06/28/12 10:07	Solid	IC 12	06/29/12	06/29/12 20:40	120629L01
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Comment(s): -The reporting limit is elevated resulting from matrix interference.

Parameter	Result	RL	DF	Qual	Units
Chromium, Hexavalent	ND	400	10		ug/kg

SS-6-10	12-06-1919-21-A	06/28/12 09:28	Solid	IC 12	06/29/12	06/30/12 11:27	120630L01
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Comment(s): -The reporting limit is elevated resulting from matrix interference.

Parameter	Result	RL	DF	Qual	Units
Chromium, Hexavalent	ND	400	10		ug/kg

SS-7-20	12-06-1919-24-A	06/28/12 10:30	Solid	IC 12	06/29/12	06/30/12 12:04	120630L01
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Comment(s): -The reporting limit is elevated resulting from matrix interference.

Parameter	Result	RL	DF	Qual	Units
Chromium, Hexavalent	ND	400	10		ug/kg

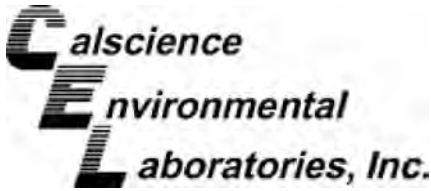
Method Blank	099-05-125-2,402	N/A	Solid	IC 12	06/29/12	06/29/12 16:27	120629L01
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Parameter	Result	RL	DF	Qual	Units
Chromium, Hexavalent	ND	40	1		ug/kg

Method Blank	099-05-125-2,404	N/A	Solid	IC 12	06/29/12	06/30/12 10:30	120630L01
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Parameter	Result	RL	DF	Qual	Units
Chromium, Hexavalent	ND	40	1		ug/kg

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

Date Received: 06/28/12
Work Order No: 12-06-1919
Preparation: EPA 3050B / EPA 7471A Total
Method: EPA 6010B / EPA 7471A
Units: mg/kg

Project: HR1305

Page 1 of 3

Client Sample Number	Lab Sample Number	Date /Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SS-2-10	12-06-1919-6-A	06/28/12 08:04	Solid	ICP 7300	06/29/12	06/29/12 19:34	120629L01

Comment(s): -Mercury analysis was performed on 06/29/12 12:57 with batch 120629L02.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Antimony	ND	0.750	1		Mercury	ND	0.0835	1	
Arsenic	6.23	0.750	1		Molybdenum	ND	0.250	1	
Barium	75.7	0.500	1		Nickel	10.8	0.250	1	
Beryllium	ND	0.250	1		Selenium	ND	0.750	1	
Cadmium	ND	0.500	1		Silver	ND	0.250	1	
Chromium	33.0	0.250	1		Thallium	ND	0.750	1	
Cobalt	7.02	0.250	1		Vanadium	31.1	0.250	1	
Copper	244	0.500	1		Zinc	753	1.00	1	
Lead	1.67	0.500	1						

SS-2-20	12-06-1919-8-A	06/28/12 08:12	Solid	ICP 7300	06/29/12	06/29/12 19:36	120629L01
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Comment(s): -Mercury analysis was performed on 06/29/12 13:00 with batch 120629L02.

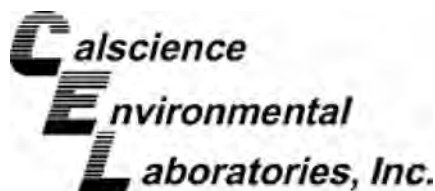
Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Antimony	ND	0.750	1		Mercury	ND	0.0835	1	
Arsenic	8.06	0.750	1		Molybdenum	ND	0.250	1	
Barium	178	0.500	1		Nickel	102	0.250	1	
Beryllium	0.699	0.250	1		Selenium	ND	0.750	1	
Cadmium	3.23	0.500	1		Silver	ND	0.250	1	
Chromium	20.4	0.250	1		Thallium	ND	0.750	1	
Cobalt	30.6	0.250	1		Vanadium	42.7	0.250	1	
Copper	79.0	0.500	1		Zinc	12100	100	100	
Lead	2.21	0.500	1						

SS-3-10	12-06-1919-10-A	06/28/12 09:15	Solid	ICP 7300	06/29/12	06/29/12 19:37	120629L01
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Comment(s): -Mercury analysis was performed on 06/29/12 13:02 with batch 120629L02.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Antimony	ND	0.750	1		Mercury	ND	0.0835	1	
Arsenic	6.83	0.750	1		Molybdenum	ND	0.250	1	
Barium	168	0.500	1		Nickel	17.6	0.250	1	
Beryllium	0.387	0.250	1		Selenium	ND	0.750	1	
Cadmium	ND	0.500	1		Silver	ND	0.250	1	
Chromium	22.6	0.250	1		Thallium	ND	0.750	1	
Cobalt	14.2	0.250	1		Vanadium	44.5	0.250	1	
Copper	23.9	0.500	1		Zinc	63.8	1.00	1	
Lead	1.89	0.500	1						

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

Date Received: 06/28/12
Work Order No: 12-06-1919
Preparation: EPA 3050B / EPA 7471A Total
Method: EPA 6010B / EPA 7471A
Units: mg/kg

Project: HR1305

Page 2 of 3

Client Sample Number	Lab Sample Number	Date /Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SS-3-20	12-06-1919-12-A	06/28/12 09:18	Solid	ICP 7300	06/29/12	06/29/12 19:38	120629L01

Comment(s): -Mercury analysis was performed on 06/29/12 13:09 with batch 120629L02.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Antimony	ND	0.750	1		Mercury	ND	0.0835	1	
Arsenic	7.78	0.750	1		Molybdenum	ND	0.250	1	
Barium	234	0.500	1		Nickel	17.1	0.250	1	
Beryllium	0.436	0.250	1		Selenium	ND	0.750	1	
Cadmium	ND	0.500	1		Silver	ND	0.250	1	
Chromium	21.4	0.250	1		Thallium	ND	0.750	1	
Cobalt	14.4	0.250	1		Vanadium	44.5	0.250	1	
Copper	26.9	0.500	1		Zinc	59.4	1.00	1	
Lead	2.44	0.500	1						

SS-6-10	12-06-1919-21-A	06/28/12 09:28	Solid	ICP 7300	06/29/12	06/29/12 19:39	120629L01
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Comment(s): -Mercury analysis was performed on 06/29/12 13:11 with batch 120629L02.

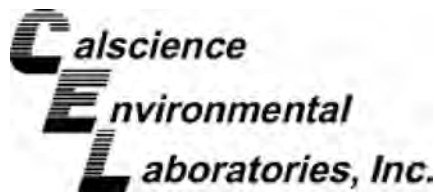
Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Antimony	ND	0.750	1		Mercury	ND	0.0835	1	
Arsenic	6.59	0.750	1		Molybdenum	ND	0.250	1	
Barium	166	0.500	1		Nickel	15.1	0.250	1	
Beryllium	0.337	0.250	1		Selenium	ND	0.750	1	
Cadmium	ND	0.500	1		Silver	ND	0.250	1	
Chromium	19.0	0.250	1		Thallium	ND	0.750	1	
Cobalt	12.5	0.250	1		Vanadium	37.8	0.250	1	
Copper	21.2	0.500	1		Zinc	55.0	1.00	1	
Lead	1.70	0.500	1						

Method Blank	099-04-007-8,698	N/A	Solid	Mercury	06/29/12	06/29/12 12:46	120629L02
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Comment(s): -Preparation/analysis for Mercury was performed by EPA 7471A.

Parameter	Result	RL	DF	Qual
Mercury	ND	0.0835	1	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

Date Received: 06/28/12
Work Order No: 12-06-1919
Preparation: EPA 3050B / EPA 7471A Total
Method: EPA 6010B / EPA 7471A
Units: mg/kg

Project: HR1305

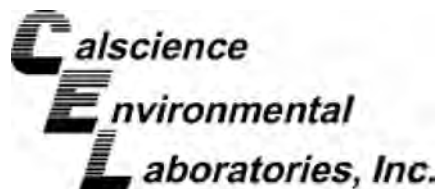
Page 3 of 3

Client Sample Number	Lab Sample Number	Date /Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	097-01-002-15,953	N/A	Solid	ICP 7300	06/29/12	06/29/12 18:40	120629L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Antimony	ND	0.750	1		Lead	ND	0.500	1	
Arsenic	ND	0.750	1		Molybdenum	ND	0.250	1	
Barium	ND	0.500	1		Nickel	ND	0.250	1	
Beryllium	ND	0.250	1		Selenium	ND	0.750	1	
Cadmium	ND	0.500	1		Silver	ND	0.250	1	
Chromium	ND	0.250	1		Thallium	ND	0.750	1	
Cobalt	ND	0.250	1		Vanadium	ND	0.250	1	
Copper	ND	0.500	1		Zinc	ND	1.00	1	

Return to Contents

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Quality Control - Spike/Spike Duplicate



Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

Date Received: 06/28/12
Work Order No: 12-06-1919
Preparation: EPA 3050B
Method: EPA 6010B

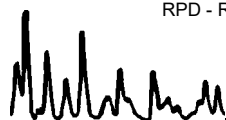
Project HR1305

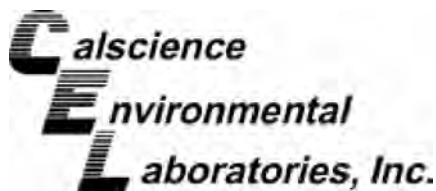
Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
SS-3-10	Solid	ICP 7300	06/29/12	06/29/12	120629S01

Parameter	SAMPLE CONC	SPIKE ADDED	MS CONC	MS %REC	MSD CONC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Antimony	ND	25.00	4.310	17	3.345	13	50-115	25	0-20	3,4
Arsenic	6.827	25.00	29.57	91	29.42	90	75-125	1	0-20	
Barium	167.6	25.00	195.1	4X	204.7	4X	75-125	4X	0-20	Q
Beryllium	0.3873	25.00	23.39	92	23.75	93	75-125	1	0-20	
Cadmium	ND	25.00	22.45	90	22.70	91	75-125	1	0-20	
Chromium	22.62	25.00	45.04	90	45.38	91	75-125	1	0-20	
Cobalt	14.21	25.00	37.21	92	38.20	96	75-125	3	0-20	
Copper	23.90	25.00	48.38	98	50.41	106	75-125	4	0-20	
Lead	1.891	25.00	23.81	88	24.16	89	75-125	1	0-20	
Molybdenum	ND	25.00	21.70	87	22.03	88	75-125	2	0-20	
Nickel	17.64	25.00	40.82	93	41.44	95	75-125	2	0-20	
Selenium	ND	25.00	20.55	82	21.46	86	75-125	4	0-20	
Silver	ND	12.50	11.04	88	11.15	89	75-125	1	0-20	
Thallium	ND	25.00	18.24	73	18.40	74	75-125	1	0-20	3
Vanadium	44.50	25.00	65.58	84	67.32	91	75-125	3	0-20	
Zinc	63.84	25.00	79.23	62	82.12	73	75-125	4	0-20	3

Return to Contents

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - PDS / PDSD



Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

Date Received 06/28/12
Work Order No: 12-06-1919
Preparation: EPA 3050B
Method: EPA 6010B

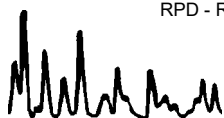
Project: HR1305

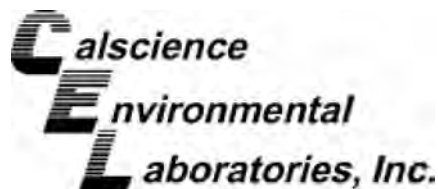
Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	PDS / PDSD Batch Number
SS-3-10	Solid	ICP 7300	06/29/12	06/29/12	120629S01

Parameter	SAMPLE CONC	SPIKE ADDED	PDS CONC	PDS %REC	PDSD CONC	PDSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Antimony	ND	25.00	20.80	83	21.66	87	75-125	4	0-20	
Arsenic	6.827	25.00	29.10	89	29.12	89	75-125	0	0-20	
Barium	167.6	25.00	189.6	88	192.9	101	75-125	2	0-20	
Beryllium	0.3873	25.00	22.53	89	23.12	91	75-125	3	0-20	
Cadmium	ND	25.00	21.68	87	21.85	87	75-125	1	0-20	
Chromium	22.62	25.00	43.85	85	45.07	90	75-125	3	0-20	
Cobalt	14.21	25.00	36.79	90	36.92	91	75-125	0	0-20	
Copper	23.90	25.00	47.99	96	48.89	100	75-125	2	0-20	
Lead	1.891	25.00	22.98	84	23.19	85	75-125	1	0-20	
Molybdenum	ND	25.00	22.17	89	22.44	90	75-125	1	0-20	
Nickel	17.64	25.00	39.82	89	39.97	89	75-125	0	0-20	
Selenium	ND	25.00	21.26	85	22.07	88	75-125	4	0-20	
Silver	ND	12.50	10.36	83	10.57	85	75-125	2	0-20	
Thallium	ND	25.00	17.66	71	17.72	71	75-125	0	0-20	5
Vanadium	44.50	25.00	65.52	84	67.28	91	75-125	3	0-20	
Zinc	63.84	25.00	77.38	54	78.88	60	75-125	2	0-20	5

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RPD - Relative Percent Difference , CL - Control Limit





Quality Control - Spike/Spike Duplicate



Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

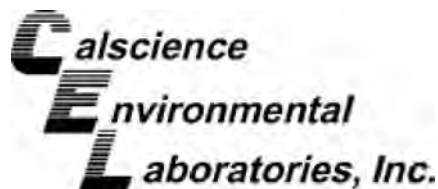
Date Received: 06/28/12
Work Order No: 12-06-1919
Preparation: EPA 3060A
Method: EPA 7199

Project HR1305

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
SS-1-5	Solid	IC 12	06/29/12	06/29/12	120629S01

Parameter	<u>SAMPLE CONC</u>	<u>SPIKE ADDED</u>	<u>MS CONC</u>	<u>MS %REC</u>	<u>MSD CONC</u>	<u>MSD %REC</u>	<u>%REC CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
Chromium, Hexavalent	ND	40000	39000	98	39000	96	75-125	1	0-25	

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - Spike/Spike Duplicate



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Huntington Beach, CA 92648-2460

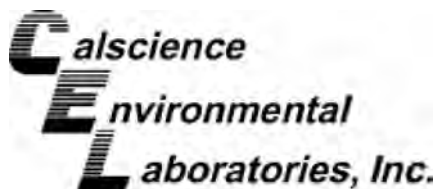
Date Received: 06/28/12
Work Order No: 12-06-1919
Preparation: EPA 3060A
Method: EPA 7199

Project HR1305

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
SS-6-10	Solid	IC 12	06/29/12	06/30/12	120630S01

Parameter	<u>SAMPLE CONC</u>	<u>SPIKE ADDED</u>	<u>MS CONC</u>	<u>MS %REC</u>	<u>MSD CONC</u>	<u>MSD %REC</u>	<u>%REC CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
Chromium, Hexavalent	ND	40000	41000	103	40000	99	75-125	4	0-25	

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - Spike/Spike Duplicate



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Huntington Beach, CA 92648-2460

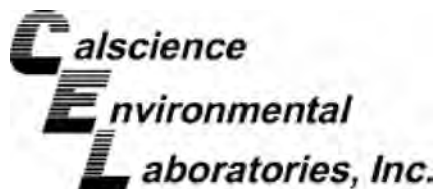
Date Received: 06/28/12
Work Order No: 12-06-1919
Preparation: EPA 7471A Total
Method: EPA 7471A

Project HR1305

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
SS-3-10	Solid	Mercury	06/29/12	06/29/12	120629S02

Parameter	<u>SAMPLE CONC</u>	<u>SPIKE ADDED</u>	<u>MS CONC</u>	<u>MS %REC</u>	<u>MSD CONC</u>	<u>MSD %REC</u>	<u>%REC CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
Mercury	ND	0.8350	0.7471	89	0.6825	82	71-137	9	0-14	

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - LCS/LCS Duplicate



Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

Date Received: N/A
Work Order No: 12-06-1919
Preparation: EPA 3050B
Method: EPA 6010B

Project: HR1305

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number					
097-01-002-15,953	Solid	ICP 7300	06/29/12	06/29/12	120629L01					
Parameter	<u>SPIKE ADDED</u>	<u>LCS CONC</u>	<u>LCS %REC</u>	<u>LCSD CONC</u>	<u>LCSD %REC</u>	<u>%REC CL</u>	<u>ME_CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
Antimony	25.00	25.88	104	25.99	104	80-120	73-127	0	0-20	
Arsenic	25.00	24.18	97	24.14	97	80-120	73-127	0	0-20	
Barium	25.00	26.16	105	26.47	106	80-120	73-127	1	0-20	
Beryllium	25.00	24.52	98	24.53	98	80-120	73-127	0	0-20	
Cadmium	25.00	25.56	102	25.77	103	80-120	73-127	1	0-20	
Chromium	25.00	25.38	102	25.67	103	80-120	73-127	1	0-20	
Cobalt	25.00	26.87	107	27.12	108	80-120	73-127	1	0-20	
Copper	25.00	25.95	104	26.17	105	80-120	73-127	1	0-20	
Lead	25.00	25.59	102	25.55	102	80-120	73-127	0	0-20	
Molybdenum	25.00	24.97	100	25.05	100	80-120	73-127	0	0-20	
Nickel	25.00	27.16	109	27.40	110	80-120	73-127	1	0-20	
Selenium	25.00	24.62	98	24.70	99	80-120	73-127	0	0-20	
Silver	12.50	12.55	100	12.70	102	80-120	73-127	1	0-20	
Thallium	25.00	25.85	103	25.91	104	80-120	73-127	0	0-20	
Vanadium	25.00	24.73	99	24.99	100	80-120	73-127	1	0-20	
Zinc	25.00	26.30	105	26.39	106	80-120	73-127	0	0-20	

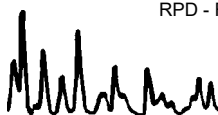
Total number of LCS compounds : 16

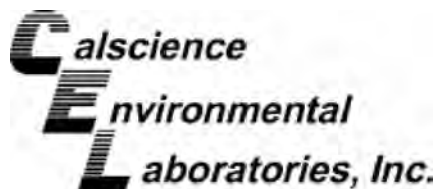
Total number of ME compounds : 0

Total number of ME compounds allowed : 1

LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - LCS/LCS Duplicate



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Huntington Beach, CA 92648-2460

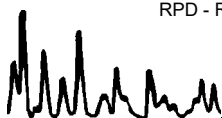
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Work Order No: 12-06-1919
Preparation: EPA 3060A
Method: EPA 7199

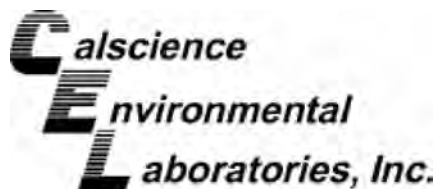
Project: HR1305

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-05-125-2,402	Solid	IC 12	06/29/12	06/29/12	120629L01

Parameter	<u>SPIKE ADDED</u>	<u>LCS CONC</u>	<u>LCS %REC</u>	<u>LCSD CONC</u>	<u>LCSD %REC</u>	<u>%REC CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
Chromium, Hexavalent	20000	20000	99	20000	102	80-120	3	0-20	

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - LCS/LCS Duplicate



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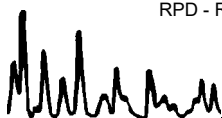
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Method: EPA 7199

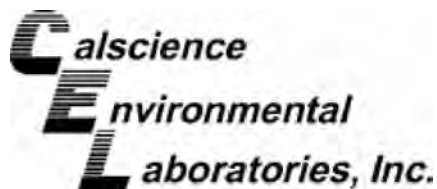
Project: HR1305

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-05-125-2,404	Solid	IC 12	06/29/12	06/30/12	120630L01

Parameter	<u>SPIKE ADDED</u>	<u>LCS CONC</u>	<u>LCS %REC</u>	<u>LCSD CONC</u>	<u>LCSD %REC</u>	<u>%REC CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
Chromium, Hexavalent	20000	20000	101	19000	97	80-120	4	0-20	

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - LCS/LCS Duplicate



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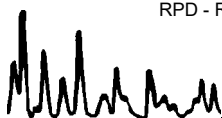
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Work Order No: 12-06-1919
Preparation: EPA 7471A Total
Method: EPA 7471A

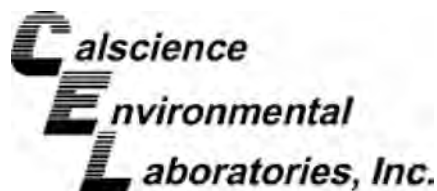
Project: HR1305

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-04-007-8,698	Solid	Mercury	06/29/12	06/29/12	120629L02

Parameter	<u>SPIKE ADDED</u>	<u>LCS CONC</u>	<u>LCS %REC</u>	<u>LCSD CONC</u>	<u>LCSD %REC</u>	<u>%REC CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
Mercury	0.8350	0.8020	96	0.8008	96	85-121	0	0-10	

RPD - Relative Percent Difference , CL - Control Limit





Glossary of Terms and Qualifiers



Work Order Number: 12-06-1919

Qualifier	Definition
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported without further clarification.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
ME	LCS/LCSD Recovery Percentage is within Marginal Exceedance (ME) Control Limit range.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.

MPN - Most Probable Number

WO # / LAB USE ONLY

12-06-1919

Date

6/28/12

Page

1 of 3

LABORATORY CLIENT:
Geosyntec Consultants
ADDRESS: 2100 Main St., Suite 150
CITY: H.B. STATE: CA ZIP: 92648
TEL: 714-969-0800 E-MAIL: MThomas@Geosyntec.com
TURNAROUND TIME:
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☒ STANDARD
☐ COELT EDF GLOBAL ID

CLIENT PROJECT NAME / NUMBER: HR1308
PROJECT CONTACT: Matt Thomas
P.O. NO.:
SAMPLER(S): (PRINT) A.S.

REQUESTED ANALYSES

LAB USE ONLY	SAMPLE ID	SAMPLING		MATRIX	NO. OF CONT.	LOG CODE			TPH (g) or GRO	TPH (d) or DRO or (C6C36) or (C6-C4)	TPH ()	BTEX / MTBE (8260) or ()	VOCs (8260)	Oxygenates (8260)	En Core / Terra Core Prep (5035)	SVOCs (8270)	Pesticides (8081)	PCBs (8082)	PNAs (8310) or (8270)	T22 Metals (6010B/747X)	Cr(VI) [7196 or 7199 or 218.6]
		DATE	TIME			Unpreserved	Preserved	Field Filtered													
1	SS-1-S	6/28/12	7:30	Soil	1	/															
2	SS-1-10		7:32	Soil	1	/															
3	SS-1-15		7:34	Soil	1	/															
4	SS-1-20		7:36	Soil	1	/															
5	SS-2-S		8:00		1	/															
6	SS-2-10		8:04		1	/															
7	SS-2-15		8:08		1	/															
8	SS-2-20		8:12		1	/															
9	SS-3-S		8:43		1	/															
10	SS-3-10		8:47		1	/															

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Relinquished by: (Signature) [Signature]
Received by: (Signature/Affiliation) [Signature] A. 12
Received by: (Signature/Affiliation) [Signature] [Signature] @ 6/28/12
Received by: (Signature/Affiliation) [Signature]
Date: 6/28/12 Time: 1306
Date: Date: Time: Time:

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12-06-1919
Date **6/28/12**
Page **2** of **3**

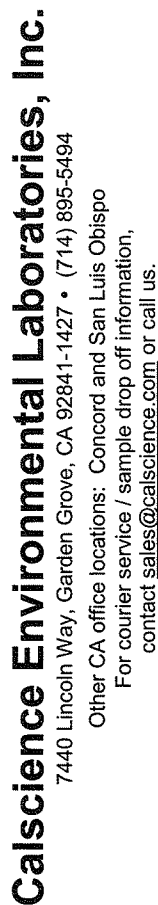
LABORATORY CLIENT: Geosyntec Consultants		CLIENT PROJECT NAME / NUMBER: HR1305	P.O. NO.:
ADDRESS: 2100 Main St, Suite 150		PROJECT CONTACT: Matt Thomas	SAMPLER(S): (PRINT) A.S.
CITY: H.B.	STATE: CA	ZIP: 92683	
TEL: 714-969-0800	E-MAIL: MThomas@Geosyntec.com		

TURNAROUND TIME: ☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ STANDARD	LOG CODE
☐ COELT EDF	GLOBAL ID

SPECIAL INSTRUCTIONS:

LAB USE ONLY	SAMPLE ID	SAMPLING		MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	TPH (g) or GRO	TPH (d) or DRO or (C6C36)	TPH (	BTEX / MTBE (8260) or (	VOCs (8260)	Oxygenates (8260)	En Core / Terra Core Prep	SVOCs (8270)	Pesticides (8081)	PCBs (8082)	PNAs (8310) or (8270)	T22 Metals (6010B/747X)	Cr(VI) [7196 or 7199 or 218							
		DATE	TIME																									
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12	02-3-55	6/18/12	8:18	Soil	1	/														/	/							
13	5-4-55		8:43		1	/																/	/					
14	01-4-10		8:47		1	/																/	/					
15	51-4-55		8:51		1	/																/	/					
16	02-4-20	6/18/12	8:55	Soil	1	/														/	/							
17	5-5-55		9:53		1	/																/	/					
18	01-5-10		9:58		1	/																/	/					
19	55-5-15		10:02		1	/																/	/					
20	55-5-20		10:07	Soil	1	/														/	/							

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Date 6/28/12 Page 3 of 3

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Date 6/28/12
Page 1 of 3

LABORATORY CLIENT: <i>Geosynthetic Consultants</i>				CLIENT PROJECT NAME / NUMBER: <i>HR1305</i>				P.O. NO.:			
ADDRESS: <i>2100 Main St., Suite 150</i>				PROJECT CONTACT: <i>Matt Thomas</i>				SAMPLER(S): (PRINT) <i>AS</i>			
CITY: <i>H.B.</i>				STATE: <i>CA</i>				ZIP: <i>92648</i>			
TEL: <i>714-969-0800</i>				E-MAIL: <i>MThomas@Geosynthetic.com</i>				REQUESTED ANALYSES			
TURNAROUND TIME: ☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ STANDARD				LOG CODE							
☐ COELT EDF GLOBAL ID											
SPECIAL INSTRUCTIONS:											
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	<i>SS-1-20</i>		<i>7:36</i>	<i>Soil</i>	<i>1</i>	<i>/</i>		<i>BTEX / MTBE (8260) or ()</i>			
	<i>SS-2-S</i>		<i>8:00</i>		<i>1</i>	<i>/</i>		<i>VOCs (8260)</i>			
	<i>SS-2-10</i>		<i>8:04</i>		<i>1</i>	<i>/</i>		<i>Oxygenates (8260)</i>			
	<i>SS-2-15</i>		<i>8:08</i>		<i>1</i>	<i>/</i>		<i>En Core / Terra Core Prep (5035)</i>			
	<i>SS-2-20</i>		<i>8:12</i>		<i>1</i>	<i>/</i>		<i>SVOCs (8270)</i>			
	<i>SS-3-S</i>		<i>8:15</i>		<i>1</i>	<i>/</i>		<i>Pesticides (8081)</i>			
	<i>SS-3-10</i>		<i>8:47</i>		<i>1</i>	<i>/</i>		<i>PCBs (8082)</i>			
								<i>PNAs (8310) or (8270)</i>			
								<i>T22 Metals (6010B/747X)</i>			
								<i>Cr(VI) [7196 or 7199 or 218.6]</i>			

Relinquished by: (Signature) <i>[Signature]</i>	Received by: (Signature/Affiliation) <i>[Signature]</i>	Date: <i>6/28/12</i>	Time: <i>1306</i>
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Date 2/18/2019 Page 2 of 3

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LABORATORY CLIENT: Geosyntec Consultants		CLIENT PROJECT NAME / NUMBER: HR1305		P.O. NO.:	
ADDRESS: 2100 Main St. Suite 150		PROJECT CONTACT: Matt Thomas		SAMPLER(S): (PRINT) A.C.S.	
CITY: H.B. STATE: CA ZIP: 92668					
TEL: 714-969-0800 E-MAIL: MThomas@Geosyntec.com					
TURNAROUND TIME: ☐ SAME DAY ☐ 24 HR ☐ 48 HR ☒ 72 HR ☒ STANDARD					
☐ COELT EDF GLOBAL ID		LOG CODE			
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		DATE	TIME		
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	SS-4-20		8:55		1
	SS-5-5		9:53		1
	SS-5-10		9:58		1
	SS-5-15		10:02		1
	SS-5-20		10:07		1
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Relinquished by: (Signature)		Received by: (Signature/Affiliation)			Date: Time:

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Please note that pages 1 and 2 of 2 of our T/Cs are printed on the reverse side of the Green and Yellow copies respectively.

01/01/12 Revision

[Return to Contents](#)

CHAIN OF CUSTODY RECORD

contact sales@calscience.com or call us.

	SPECIAL INSTRUCTIONS:	() OR	503	[9]
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Relinquished by: (Signature)		Received by: (Signature/Affiliation)	Date: 6/28/11	Time: 1306
Relinquished by: (Signature)		Received by: (Signature/Affiliation)	Date:	Time:
Relinquished by: (Signature)		Received by: (Signature/Affiliation)	Date:	Time:

01/01/12 Revision

WORK ORDER #: **12-06-1919****SAMPLE RECEIPT FORM**Cooler 1 of 1CLIENT: GEOSYNTEC CONSULTANTSDATE: 06/28/12**TEMPERATURE:** Thermometer ID: SC2 (Criteria: 0.0 °C – 6.0 °C, not frozen)Temperature 3.5 °C - 0.3 °C (CF) = 3.2 °C ☒ Blank ☐ Sample☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____).☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.☐ Received at ambient temperature, placed on ice for transport by Courier.Ambient Temperature: ☐ Air ☐ FilterInitial: PS**CUSTODY SEALS INTACT:**☐ Cooler ☐ _____ ☐ No (Not Intact) ☒ Not Present ☐ N/AInitial: PS☐ Sample ☐ _____ ☐ No (Not Intact) ☒ Not PresentInitial: SH**SAMPLE CONDITION:**

	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples.....	☒	☐	☐
COC document(s) received complete.....	☒	☐	☐
☐ Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
☐ No analysis requested. ☐ Not relinquished. ☐ No date/time relinquished.			
Sampler's name indicated on COC.....	☒	☐	☐
Sample container label(s) consistent with COC.....	☒	☐	☐
Sample container(s) intact and good condition.....	☒	☐	☐
Proper containers and sufficient volume for analyses requested.....	☒	☐	☐
Analyses received within holding time.....	☒	☐	☐
pH / Res. Chlorine / Diss. Sulfide / Diss. Oxygen received within 24 hours...	☐	☐	☒
Proper preservation noted on COC or sample container.....	☐	☐	☒
☐ Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace.....	☐	☐	☒
Tedlar bag(s) free of condensation.....	☐	☐	☒

CONTAINER TYPE:Solid: ☒ 4ozCGJ ☐ 8ozCGJ ☐ 16ozCGJ ☐ Sleeve (____) ☐ EnCores® ☐ TerraCores® ☐ _____Water: ☐ VOA ☐ VOAh ☐ VOAna₂ ☐ 125AGB ☐ 125AGBh ☐ 125AGBp ☐ 1AGB ☐ 1AGBna₂ ☐ 1AGBs☐ 500AGB ☐ 500AGJ ☐ 500AGJs ☐ 250AGB ☐ 250CGB ☐ 250CGBs ☐ 1PB ☐ 1PBna ☐ 500PB☐ 250PB ☐ 250PBn ☐ 125PB ☐ 125PBz₂na ☐ 100PJ ☐ 100PJna₂ ☐ _____ ☐ _____ ☐ _____Air: ☐ Tedlar® ☐ Summa® Other: ☐ _____ Trip Blank Lot#: _____ Labeled/Checked by: SHContainer: C: Clear A: Amber P: Plastic G: Glass J: Jar B: Bottle Z: Ziploc/Resealable Bag E: Envelope Reviewed by: YUPreservative: h: HCL n: HNO₃ na₂: Na₂S₂O₃ na: NaOH p: H₃PO₄ s: H₂SO₄ u: Ultra-pure z₂na: ZnAc₂+NaOH f: Filtered Scanned by: YU

APPENDIX C

BORING LOGS



2100 Main St
Suite 150
Huntington Beach, CA 92648
Tel: (714) 969-0800
Fax: (714) 969-0820

BORING **SS-1**
START DRILL DATE Jun 28, 12
FINISH DRILL DATE Jun 28, 12
LOCATION 777 Front St., Burbank
PROJECT FORMER ZERO CORP
NUMBER HR1305

SHEET 1 OF 1

ELEVATION DATA:
GROUND SURF. (Ft)
TOP OF CASING (Ft)
DATUM Ground Surface

GS FORM:
GEOTECH2 01/04

BOREHOLE LOG

DEPTH (ft-bgs)	ELEVATION (ft)	DESCRIPTION	GRAPHIC LOG	SAMPLE						COMMENTS	LABORATORY RESULTS									
				SAMPLE NO.	TYPE	BLOWS PER 6"	N VALUE	RECOVERY (%)	PID READING (ppm)		TIME (00:00)	DRY DENSITY (pcf)	MAX. DRY DENSITY (pcf)	PERCENT FINES (%)	PERCENT GRAVEL (%)	MOIST. CONTENT (%)	OPT. MOIST. CONTENT (%)	ATTERBERG LIMITS		
																		LIQUID LIMIT	PLASTIC LIMIT	PLASTICITY INDEX
		1) Soil Name (USCS) 6) Plasticity 2) Color 7) Density/Consistency 3) Moisture 8) Other (Mineral Content, Discoloration, Odor, etc.) 4) Grain Size 5) Percentage								1) Rig Behavior 2) Air Monitoring 3) Pocket Pen 4) Tor Vane										
		Sand (SP) very dark grey (75YR 2/1); moist; fine-grained sand with trace medium to coarse-grained sand and fine gravel; trace silt; (5, 90, 5) unconsolidated.																		
5		Sand (SP); as above.																		
10		Silty sand (SM); very dark greyish brown (10YR 3/2); moist; fine-grained sand; (25, 75, 0); unconsolidated.																		
15		Silty sand (SM); very dark greyish brown (10YR 3/2); moist; fine-grained sand; (20, 80, 0); slightly dense.																		
20		Clay (CL); dark greenish brown (10YR 4/2); moist; trace fine-grained sand and silt (95, 5, 0); low to moderate density; slightly dense.																		
		Boring terminated @ 20' bgs.																		
25																				
30																				

CONTRACTOR
EQUIPMENT
DRILL MTHD
DIAMETER
LOGGER Kyle Gadley

NORTHING
EASTING
COORDINATE SYSTEM:
REVIEWER

NOTES: Soil boring logged on 7/26/12 from bagged samples collected on 6/28/12.

SEE KEY SHEET FOR SYMBOLS AND ABBREVIATIONS



2100 Main St
Suite 150
Huntington Beach, CA 92648
Tel: (714) 969-0800
Fax: (714) 969-0820

BORING SS-2
START DRILL DATE Jun 28, 12
FINISH DRILL DATE Jun 28, 12
LOCATION 777 Front St., Burbank
PROJECT FORMER ZERO CORP
NUMBER HR1305

SHEET 1 OF 1
ELEVATION DATA:
GROUND SURF. (Ft)
TOP OF CASING (Ft)
DATUM Ground Surface

GS FORM:
GEOTECH2 01/04

BOREHOLE LOG

DEPTH (ft-bgs)	ELEVATION (ft)	DESCRIPTION	GRAPHIC LOG	SAMPLE						COMMENTS	LABORATORY RESULTS									
				SAMPLE NO.	TYPE	BLOWS PER 6"	N VALUE	RECOVERY (%)	PID READING (ppm)		TIME (00:00)	DRY DENSITY (pcf)	MAX. DRY DENSITY (pcf)	PERCENT FINES (%)	PERCENT GRAVEL (%)	MOIST. CONTENT (%)	OPT. MOIST. CONTENT (%)	ATTERBERG LIMITS		
																		LIQUID LIMIT	PLASTIC LIMIT	PLASTICITY INDEX
		1) Soil Name (USCS) 6) Plasticity 2) Color 7) Density/Consistency 3) Moisture 8) Other (Mineral Content, Discoloration, Odor, etc.) 4) Grain Size 5) Percentage								1) Rig Behavior 2) Air Monitoring 3) Pocket Pen 4) Tor Vane										
		Sand (SP); brown (10YR 4/3); moist; fine to coarse-grained sand with trace fine gravel; unconsolidated. (5, 90, 5).																		
5		Sand (SP); as above; very dark greenish brown; gravel size increased.																		
10		Silty Sand (SM); dark greenish brown (10YR 4/3); moist; fine-grained sand with trace medium-grained sand; (40, 60, 0); slightly dense.																		
15		Sand (SP); greyish brown (10YR 5/2); moist; fine to medium grained sand with sub-angular rock fragments (less than or equal to 4cm); trace silt; (5, 90, 5); unconsolidated.																		
20		Silty Sand (SM); very dark greyish brown (10YR 3/2); moist; fine-grained sand; trace medium-grained sand; slightly dense (30, 70, 0).																		
		Boring terminated @20' bgs.																		
25																				
30																				

CONTRACTOR
EQUIPMENT
DRILL MTHD
DIAMETER
LOGGER Kyle Gadley

NORTHING
EASTING
COORDINATE SYSTEM:
REVIEWER

NOTES: Soil boring logged on 7/26/12 from bagged samples collected on 6/28/12.

SEE KEY SHEET FOR SYMBOLS AND ABBREVIATIONS



2100 Main St
Suite 150
Huntington Beach, CA 92648
Tel: (714) 969-0800
Fax: (714) 969-0820

BORING SS-3
START DRILL DATE Jun 28, 12
FINISH DRILL DATE Jun 28, 12
LOCATION 777 Front St., Burbank
PROJECT FORMER ZERO CORP
NUMBER HR1305

SHEET 1 OF 1
ELEVATION DATA:
GROUND SURF. (Ft)
TOP OF CASING (Ft)
DATUM Ground Surface

GS FORM:
GEOTECH2 01/04

BOREHOLE LOG

DEPTH (ft-bgs)	ELEVATION (ft)	DESCRIPTION	GRAPHIC LOG	SAMPLE						COMMENTS	LABORATORY RESULTS									
				SAMPLE NO.	TYPE	BLOWS PER 6"	N VALUE	RECOVERY (%)	PID READING (ppm)		TIME (00:00)	DRY DENSITY (pcf)	MAX. DRY DENSITY (pcf)	PERCENT FINES (%)	PERCENT GRAVEL (%)	MOIST. CONTENT (%)	OPT. MOIST. CONTENT (%)	ATTERBERG LIMITS		
																		LIQUID LIMIT	PLASTIC LIMIT	PLASTICITY INDEX
		1) Soil Name (USCS) 6) Plasticity 2) Color 7) Density/Consistency 3) Moisture 8) Other (Mineral Content, Discoloration, Odor, etc.) 4) Grain Size 5) Percentage								1) Rig Behavior 2) Air Monitoring 3) Pocket Pen 4) Tor Vane										
		Sand (SP); very dark grey (75YR 3/1); moist; fine-grained sand with trace coarse-grained sand; trace silt; (5, 95, 0); unconsolidated.																		
5		Silty Sand (SM); very dark greyish brown (10YR 3/2); moist; fine-grained; (25, 75, 0); unconsolidated.																		
10		Sand (SP); very dark greyish brown (10R 3/2); moist; fine-grained sand with trace medium-grained sand; (5, 95, 0); unconsolidated.																		
15																				
20		Silty Sand (SM); very dark greyish brown (10 YR 3/2); moist; fine-grained sand; slightly dense; (30, 70, 0).																		
		Boring terminated @20' bgs.																		
25																				
30																				

CONTRACTOR
EQUIPMENT
DRILL MTHD
DIAMETER
LOGGER Kyle Gadley

NORTHING
EASTING
COORDINATE SYSTEM:
REVIEWER

NOTES: Soil boring logged on 7/26/12 from bagged samples collected on 6/28/12.

SEE KEY SHEET FOR SYMBOLS AND ABBREVIATIONS



2100 Main St
Suite 150
Huntington Beach, CA 92648
Tel: (714) 969-0800
Fax: (714) 969-0820

BORING SS-4
START DRILL DATE Jun 28, 12
FINISH DRILL DATE Jun 28, 12
LOCATION 777 Front St., Burbank
PROJECT FORMER ZERO CORP
NUMBER HR1305

SHEET 1 OF 1
ELEVATION DATA:
GROUND SURF. (Ft)
TOP OF CASING (Ft)
DATUM Ground Surface

GS FORM:
GEOTECH2 01/04

BOREHOLE LOG

DEPTH (ft-bgs)	ELEVATION (ft)	DESCRIPTION	GRAPHIC LOG	SAMPLE						COMMENTS	LABORATORY RESULTS									
				SAMPLE NO.	TYPE	BLOWS PER 6"	N VALUE	RECOVERY (%)	PID READING (ppm)		TIME (00:00)	DRY DENSITY (pcf)	MAX. DRY DENSITY (pcf)	PERCENT FINES (%)	PERCENT GRAVEL (%)	MOIST. CONTENT (%)	OPT. MOIST. CONTENT (%)	ATTERBERG LIMITS		
																		LIQUID LIMIT	PLASTIC LIMIT	PLASTICITY INDEX
		1) Soil Name (USCS) 6) Plasticity 2) Color 7) Density/Consistency 3) Moisture 8) Other (Mineral Content, Discoloration, Odor, etc.) 4) Grain Size 5) Percentage								1) Rig Behavior 2) Air Monitoring 3) Pocket Pen 4) Tor Vane										
		Silty Sand (SM); very dark greenish brown (10 YR 3/2); moist; fine-grained sand; (25, 75, 0); slightly dense.																		
5		Sand (SP); very dark greenish brown (10 YR 3/2); moist; fine-grained sand; trace silt; (5, 95, 0); unconsolidated.																		
10																				
15																				
20		Sand (SP); vas above; trace medium-grained sand; (5, 95, 0); loosely consolidated.																		
		Boring terminated @20' bgs.																		
25																				
30																				

CONTRACTOR
EQUIPMENT
DRILL MTHD
DIAMETER
LOGGER Kyle Gadley

NORTHING
EASTING
COORDINATE SYSTEM:
REVIEWER

NOTES: Soil boring logged on 7/26/12 from bagged samples collected on 6/28/12.

SEE KEY SHEET FOR SYMBOLS AND ABBREVIATIONS



2100 Main St
Suite 150
Huntington Beach, CA 92648
Tel: (714) 969-0800
Fax: (714) 969-0820

BORING SS-5
START DRILL DATE Jun 28, 12
FINISH DRILL DATE Jun 28, 12
LOCATION 777 Front St., Burbank
PROJECT FORMER ZERO CORP
NUMBER HR1305

SHEET 1 OF 1

ELEVATION DATA:
GROUND SURF. (Ft)
TOP OF CASING (Ft)
DATUM Ground Surface

GS FORM:
GEOTECH2 01/04

BOREHOLE LOG

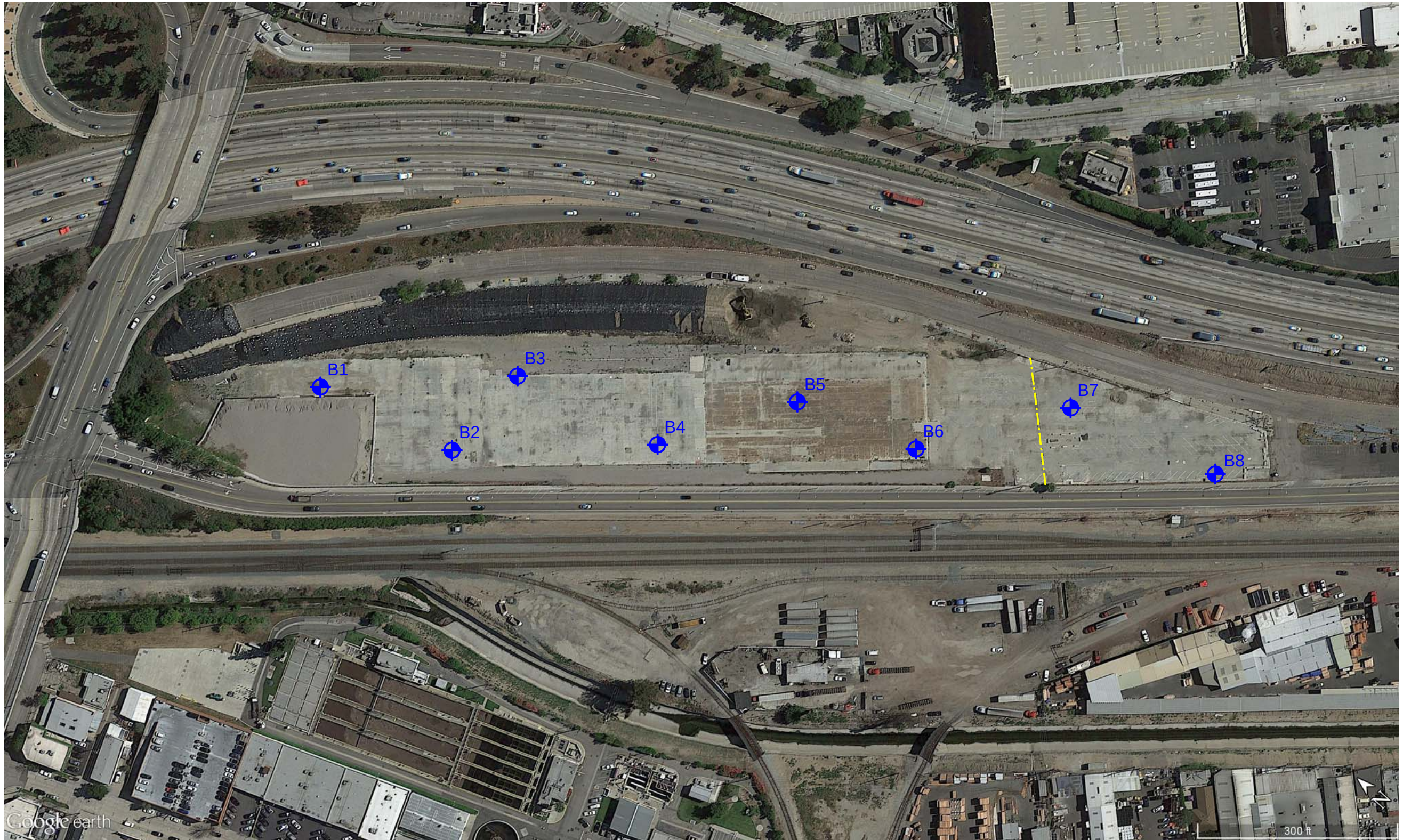
DEPTH (ft-bgs)	ELEVATION (ft)	DESCRIPTION 1) Soil Name (USCS) 6) Plasticity 2) Color 7) Density/Consistency 3) Moisture 8) Other (Mineral Content, Discoloration, Odor, etc.) 4) Grain Size 5) Percentage	GRAPHIC LOG	SAMPLE						COMMENTS 1) Rig Behavior 2) Air Monitoring 3) Pocket Pen 4) Tor Vane	LABORATORY RESULTS									
				SAMPLE NO.	TYPE	BLOWS PER 6"	N VALUE	RECOVERY (%)	PID READING (ppm)		TIME (00:00)	DRY DENSITY (pcf)	MAX. DRY DENSITY (pcf)	PERCENT FINES (%)	PERCENT GRAVEL (%)	MOIST. CONTENT (%)	OPT. MOIST. CONTENT (%)	ATTERBERG LIMITS		
																		LIQUID LIMIT	PLASTIC LIMIT	PLASTICITY INDEX
		Sand (SP); brown (10YR 4/3); moist; fine to coarse-grained sand; loosely consolidated; (0, 100, 0).																		
5		Sand (SP); as above; very dark greenish brown; trace silt; (5, 95, 0).																		
10		Sand (SP); as above; very dark grey (75YR 3/1).																		
15		Silty Sand (SM); very dark grey (10YR 3/1); moist; fine-grained sand (40, 60, 0); moderately dense.																		
		Silty Sand (SM); As above; dark grey (10 YR 4/1); (30, 70, 0).																		
20		Boring terminated @20' bgs																		
25																				
30																				

CONTRACTOR
EQUIPMENT
DRILL MTHD
DIAMETER
LOGGER Kyle Gadley

NORTHING
EASTING
COORDINATE SYSTEM:
REVIEWER

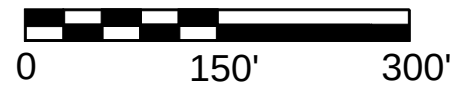
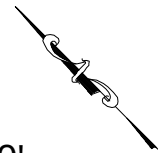
NOTES: Soil boring logged on 7/26/12 from bagged samples collected on 6/28/12.

SEE KEY SHEET FOR SYMBOLS AND ABBREVIATIONS



LEGEND

-  B1 Approximate Location of Boring
-  Marked Location of ExxonMobil 8" Line



GEOCON
WEST, INC.



ENVIRONMENTAL GEOTECHNICAL MATERIALS
3303 N. SAN FERNANDO BLVD. - SUITE 100 - BURBANK, CA 91504
PHONE (818) 841-8388 - FAX (818) 841-1704

DRAFTED BY: MDS

CHECKED BY:

PRELIMINARY SITE PLAN

777 N FRONT ST
777 N FRONT ST
BURBANK, CA

DRAFT

PROJECT NO.A9377-06-01

FIG.1



January 29, 2016

Michael Strane
Geocon West, Inc.
3303 N. San Fernando Blvd., Suite 100
Burbank, CA 91504
Tel: (818) 841-8388
Fax: (818) 841-1704

ELAP No.: 1838
CSDLAC No.: 10196
ORELAP No.: CA300003
TCEQ No. : T104704502

Re: ATL Work Order Number : 1600338
Client Reference : 777 N Front St., A9377-06-01

Enclosed are the results for sample(s) received on January 22, 2016 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated on the enclosed chain of custody in accordance with applicable laboratory certifications. The laboratory results contained in this report specifically pertains to the sample(s) submitted.

Thank you for the opportunity to serve the needs of your company. If you have any questions, please feel free to contact me or your Project Manager.

Sincerely,

A handwritten signature in black ink, appearing to read "Eddie Rodriguez", with a small "ER" monogram below it.

Eddie Rodriguez
Laboratory Director

The cover letter and the case narrative are an integral part of this analytical report and its absence renders the report invalid. Test results contained within this data package meet the requirements of applicable state-specific certification programs. The report cannot be reproduced without written permission from the client and Advanced Technology Laboratories.



Certificate of Analysis

Geocon West, Inc.

3303 N. San Fernando Blvd., Suite 100

Burbank , CA 91504

Project Number : 777 N Front St., A9377-06-01

Report To : Michael Strane

Reported : 01/29/2016

SUMMARY OF SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
B4 @ 0 - 14' / 777 N FRONT ST BUR	1600338-01	Soil	1/21/16 10:00	1/22/16 9:54



Certificate of Analysis

Geocon West, Inc.

3303 N. San Fernando Blvd., Suite 100

Burbank, CA 91504

Project Number : 777 N Front St., A9377-06-01

Report To : Michael Strane

Reported : 01/29/2016

Client Sample ID B4 @ 0 - 14' / 777 N FRONT ST BURBANK SW S105

Lab ID: 1600338-01

Title 22 Metals by ICP-AES EPA 6010B

Analyst: SB

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B6A0701	01/28/2016	01/28/16 15:42	
Arsenic	2.9	1.0	1	B6A0701	01/28/2016	01/28/16 15:42	
Barium	140	1.0	1	B6A0701	01/28/2016	01/28/16 15:42	
Beryllium	ND	1.0	1	B6A0701	01/28/2016	01/28/16 15:42	
Cadmium	ND	1.0	1	B6A0701	01/28/2016	01/28/16 15:42	
Chromium	86	1.0	1	B6A0701	01/28/2016	01/28/16 15:42	
Cobalt	8.9	1.0	1	B6A0701	01/28/2016	01/28/16 15:42	
Copper	230	2.0	1	B6A0701	01/28/2016	01/28/16 15:42	
Lead	41	1.0	1	B6A0701	01/28/2016	01/28/16 15:42	
Molybdenum	7.0	1.0	1	B6A0701	01/28/2016	01/28/16 15:42	
Nickel	18	1.0	1	B6A0701	01/28/2016	01/28/16 15:42	
Selenium	ND	1.0	1	B6A0701	01/28/2016	01/28/16 15:42	
Silver	ND	1.0	1	B6A0701	01/28/2016	01/28/16 15:42	
Thallium	ND	1.0	1	B6A0701	01/28/2016	01/28/16 15:42	
Vanadium	44	1.0	1	B6A0701	01/28/2016	01/28/16 15:42	
Zinc	110	1.0	1	B6A0701	01/28/2016	01/28/16 15:42	

Mercury by AA (Cold Vapor) EPA 7471A

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Mercury	0.16	0.10	1	B6A0706	01/27/2016	01/27/16 17:28	

Gasoline Range Organics by EPA 8015B (Modified)

Analyst: MFR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C6-C12	ND	1.0	1	B6A0620	01/25/2016	01/25/16 12:24	
Surrogate: 4-Bromofluorobenzene	60.4 %	37 - 153		B6A0620	01/25/2016	01/25/16 12:24	

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C8-C10	ND	10	1	B6A0623	01/25/2016	01/25/16 12:56	
C10-C18	ND	10	1	B6A0623	01/25/2016	01/25/16 12:56	
C18-C28	ND	10	1	B6A0623	01/25/2016	01/25/16 12:56	



Certificate of Analysis

Geocon West, Inc.

3303 N. San Fernando Blvd., Suite 100

Burbank, CA 91504

Project Number : 777 N Front St., A9377-06-01

Report To : Michael Strane

Reported : 01/29/2016

Client Sample ID B4 @ 0 - 14' / 777 N FRONT ST BURBANK SW S105

Lab ID: 1600338-01

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C28-C36	ND	10	1	B6A0623	01/25/2016	01/25/16 12:56	
C36-C40	ND	10	1	B6A0623	01/25/2016	01/25/16 12:56	
C8-C40 Total	ND	10	1	B6A0623	01/25/2016	01/25/16 12:56	
Surrogate: p-Terphenyl	101 %	49 - 142		B6A0623	01/25/2016	01/25/16 12:56	

Volatile Organic Compounds by EPA 8260B

Analyst: AG

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B6A0601	01/25/2016	01/25/16 15:14	
1,1,1-Trichloroethane	ND	5.0	1	B6A0601	01/25/2016	01/25/16 15:14	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B6A0601	01/25/2016	01/25/16 15:14	
1,1,2-Trichloroethane	ND	5.0	1	B6A0601	01/25/2016	01/25/16 15:14	
1,1-Dichloroethane	ND	5.0	1	B6A0601	01/25/2016	01/25/16 15:14	
1,1-Dichloroethene	ND	5.0	1	B6A0601	01/25/2016	01/25/16 15:14	
1,1-Dichloropropene	ND	5.0	1	B6A0601	01/25/2016	01/25/16 15:14	
1,2,3-Trichloropropane	ND	5.0	1	B6A0601	01/25/2016	01/25/16 15:14	
1,2,3-Trichlorobenzene	ND	5.0	1	B6A0601	01/25/2016	01/25/16 15:14	
1,2,4-Trichlorobenzene	ND	5.0	1	B6A0601	01/25/2016	01/25/16 15:14	
1,2,4-Trimethylbenzene	ND	5.0	1	B6A0601	01/25/2016	01/25/16 15:14	
1,2-Dibromo-3-chloropropane	ND	10	1	B6A0601	01/25/2016	01/25/16 15:14	
1,2-Dibromoethane	ND	5.0	1	B6A0601	01/25/2016	01/25/16 15:14	
1,2-Dichlorobenzene	ND	5.0	1	B6A0601	01/25/2016	01/25/16 15:14	
1,2-Dichloroethane	ND	5.0	1	B6A0601	01/25/2016	01/25/16 15:14	
1,2-Dichloropropane	ND	5.0	1	B6A0601	01/25/2016	01/25/16 15:14	
1,3,5-Trimethylbenzene	ND	5.0	1	B6A0601	01/25/2016	01/25/16 15:14	
1,3-Dichlorobenzene	ND	5.0	1	B6A0601	01/25/2016	01/25/16 15:14	
1,3-Dichloropropane	ND	5.0	1	B6A0601	01/25/2016	01/25/16 15:14	
1,4-Dichlorobenzene	ND	5.0	1	B6A0601	01/25/2016	01/25/16 15:14	
2,2-Dichloropropane	ND	5.0	1	B6A0601	01/25/2016	01/25/16 15:14	
2-Chlorotoluene	ND	5.0	1	B6A0601	01/25/2016	01/25/16 15:14	
4-Chlorotoluene	ND	5.0	1	B6A0601	01/25/2016	01/25/16 15:14	
4-Isopropyltoluene	ND	5.0	1	B6A0601	01/25/2016	01/25/16 15:14	
Benzene	ND	5.0	1	B6A0601	01/25/2016	01/25/16 15:14	
Bromobenzene	ND	5.0	1	B6A0601	01/25/2016	01/25/16 15:14	
Bromodichloromethane	ND	5.0	1	B6A0601	01/25/2016	01/25/16 15:14	
Bromoform	ND	5.0	1	B6A0601	01/25/2016	01/25/16 15:14	



Certificate of Analysis

Geocon West, Inc.

3303 N. San Fernando Blvd., Suite 100

Burbank, CA 91504

Project Number : 777 N Front St., A9377-06-01

Report To : Michael Strane

Reported : 01/29/2016

Client Sample ID B4 @ 0 - 14' / 777 N FRONT ST BURBANK SW S105

Lab ID: 1600338-01

Volatile Organic Compounds by EPA 8260B

Analyst: AG

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Bromomethane	ND	5.0	1	B6A0601	01/25/2016	01/25/16 15:14	
Carbon tetrachloride	ND	5.0	1	B6A0601	01/25/2016	01/25/16 15:14	
Chlorobenzene	ND	5.0	1	B6A0601	01/25/2016	01/25/16 15:14	
Chloroethane	ND	5.0	1	B6A0601	01/25/2016	01/25/16 15:14	
Chloroform	ND	5.0	1	B6A0601	01/25/2016	01/25/16 15:14	
Chloromethane	ND	5.0	1	B6A0601	01/25/2016	01/25/16 15:14	
cis-1,2-Dichloroethene	ND	5.0	1	B6A0601	01/25/2016	01/25/16 15:14	
cis-1,3-Dichloropropene	ND	5.0	1	B6A0601	01/25/2016	01/25/16 15:14	
Dibromochloromethane	ND	5.0	1	B6A0601	01/25/2016	01/25/16 15:14	
Dibromomethane	ND	5.0	1	B6A0601	01/25/2016	01/25/16 15:14	
Dichlorodifluoromethane	ND	5.0	1	B6A0601	01/25/2016	01/25/16 15:14	
Ethylbenzene	ND	5.0	1	B6A0601	01/25/2016	01/25/16 15:14	
Hexachlorobutadiene	ND	5.0	1	B6A0601	01/25/2016	01/25/16 15:14	
Isopropylbenzene	ND	5.0	1	B6A0601	01/25/2016	01/25/16 15:14	
m,p-Xylene	ND	10	1	B6A0601	01/25/2016	01/25/16 15:14	
Methylene chloride	ND	5.0	1	B6A0601	01/25/2016	01/25/16 15:14	
n-Butylbenzene	ND	5.0	1	B6A0601	01/25/2016	01/25/16 15:14	
n-Propylbenzene	ND	5.0	1	B6A0601	01/25/2016	01/25/16 15:14	
Naphthalene	ND	5.0	1	B6A0601	01/25/2016	01/25/16 15:14	
o-Xylene	ND	5.0	1	B6A0601	01/25/2016	01/25/16 15:14	
sec-Butylbenzene	ND	5.0	1	B6A0601	01/25/2016	01/25/16 15:14	
Styrene	ND	5.0	1	B6A0601	01/25/2016	01/25/16 15:14	
tert-Butylbenzene	ND	5.0	1	B6A0601	01/25/2016	01/25/16 15:14	
Tetrachloroethene	ND	5.0	1	B6A0601	01/25/2016	01/25/16 15:14	
Toluene	ND	5.0	1	B6A0601	01/25/2016	01/25/16 15:14	
trans-1,2-Dichloroethene	ND	5.0	1	B6A0601	01/25/2016	01/25/16 15:14	
Trichloroethene	ND	5.0	1	B6A0601	01/25/2016	01/25/16 15:14	
Trichlorofluoromethane	ND	5.0	1	B6A0601	01/25/2016	01/25/16 15:14	
Vinyl chloride	ND	5.0	1	B6A0601	01/25/2016	01/25/16 15:14	
Surrogate: 1,2-Dichloroethane-d4	104 %	20 - 189		B6A0601	01/25/2016	01/25/16 15:14	
Surrogate: 4-Bromofluorobenzene	95.5 %	20 - 173		B6A0601	01/25/2016	01/25/16 15:14	
Surrogate: Dibromofluoromethane	94.8 %	26 - 178		B6A0601	01/25/2016	01/25/16 15:14	
Surrogate: Toluene-d8	102 %	31 - 166		B6A0601	01/25/2016	01/25/16 15:14	



Certificate of Analysis

Geocon West, Inc.

3303 N. San Fernando Blvd., Suite 100

Burbank , CA 91504

Project Number : 777 N Front St., A9377-06-01

Report To : Michael Strane

Reported : 01/29/2016

QUALITY CONTROL SECTION

Title 22 Metals by ICP-AES EPA 6010B - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
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Batch B6A0701 - EPA 3050B_S

Blank (B6A0701-BLK1)

Prepared: 1/28/2016 Analyzed: 1/28/2016

Antimony	ND	2.0			NR
Arsenic	ND	1.0			NR
Barium	ND	1.0			NR
Beryllium	ND	1.0			NR
Cadmium	ND	1.0			NR
Chromium	ND	1.0			NR
Cobalt	ND	1.0			NR
Copper	ND	2.0			NR
Lead	ND	1.0			NR
Molybdenum	ND	1.0			NR
Nickel	ND	1.0			NR
Selenium	ND	1.0			NR
Silver	ND	1.0			NR
Thallium	ND	1.0			NR
Vanadium	ND	1.0			NR
Zinc	ND	1.0			NR

LCS (B6A0701-BS1)

Prepared: 1/28/2016 Analyzed: 1/28/2016

Antimony	51.6578	2.0	50.0000	103	80 - 120
Arsenic	49.8994	1.0	50.0000	99.8	80 - 120
Barium	54.4881	1.0	50.0000	109	80 - 120
Beryllium	49.6663	1.0	50.0000	99.3	80 - 120
Cadmium	51.5404	1.0	50.0000	103	80 - 120
Chromium	54.4259	1.0	50.0000	109	80 - 120
Cobalt	52.3605	1.0	50.0000	105	80 - 120
Copper	50.1333	2.0	50.0000	100	80 - 120
Lead	52.0527	1.0	50.0000	104	80 - 120
Molybdenum	50.7253	1.0	50.0000	101	80 - 120
Nickel	51.1782	1.0	50.0000	102	80 - 120
Selenium	46.1039	1.0	50.0000	92.2	80 - 120
Silver	50.1620	1.0	50.0000	100	80 - 120
Thallium	54.3588	1.0	50.0000	109	80 - 120
Vanadium	53.9873	1.0	50.0000	108	80 - 120
Zinc	49.7096	1.0	50.0000	99.4	80 - 120

Matrix Spike (B6A0701-MS1)

Source: 1600333-02

Prepared: 1/28/2016 Analyzed: 1/28/2016

Antimony	86.7742	2.0	125.000	0.475517	69.0	28 - 106
Arsenic	97.1940	1.0	125.000	5.23270	73.6	57 - 109
Barium	356.313	1.0	125.000	258.094	78.6	18 - 159
Beryllium	95.1404	1.0	125.000	0.395605	75.8	61 - 107



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Geocon West, Inc.

3303 N. San Fernando Blvd., Suite 100

Burbank , CA 91504

Project Number : 777 N Front St., A9377-06-01

Report To : Michael Strane

Reported : 01/29/2016

Title 22 Metals by ICP-AES EPA 6010B - Quality Control (cont'd)

Analyte	Result (mg/kg)	PQL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
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Batch B6A0701 - EPA 3050B_S (continued)

Matrix Spike (B6A0701-MS1) - Continued

Source: 1600333-02

Prepared: 1/28/2016 Analyzed: 1/28/2016

Cadmium	88.2512	1.0	125.000	0.101428	70.5	53 - 104			
Chromium	132.723	1.0	125.000	33.1535	79.7	53 - 121			
Cobalt	101.104	1.0	125.000	10.4726	72.5	55 - 109			
Copper	139.925	2.0	125.000	32.4792	86.0	58 - 124			
Lead	154.357	1.0	125.000	38.3379	92.8	35 - 129			
Molybdenum	90.5697	1.0	125.000	0.697554	71.9	57 - 108			
Nickel	131.922	1.0	125.000	38.0667	75.1	44 - 122			
Selenium	87.0605	1.0	125.000	ND	69.6	54 - 104			
Silver	101.231	1.0	125.000	ND	81.0	60 - 112			
Thallium	94.8156	1.0	125.000	3.46208	73.1	50 - 103			
Vanadium	133.884	1.0	125.000	35.2719	78.9	54 - 123			
Zinc	142.009	1.0	125.000	45.3961	77.3	29 - 132			

Matrix Spike Dup (B6A0701-MSD1)

Source: 1600333-02

Prepared: 1/28/2016 Analyzed: 1/28/2016

Antimony	85.1217	2.0	125.000	0.475517	67.7	28 - 106	1.92	20	
Arsenic	96.3474	1.0	125.000	5.23270	72.9	57 - 109	0.875	20	
Barium	317.760	1.0	125.000	258.094	47.7	18 - 159	11.4	20	
Beryllium	92.1201	1.0	125.000	0.395605	73.4	61 - 107	3.23	20	
Cadmium	85.8802	1.0	125.000	0.101428	68.6	53 - 104	2.72	20	
Chromium	134.803	1.0	125.000	33.1535	81.3	53 - 121	1.55	20	
Cobalt	99.4180	1.0	125.000	10.4726	71.2	55 - 109	1.68	20	
Copper	131.846	2.0	125.000	32.4792	79.5	58 - 124	5.95	20	
Lead	143.753	1.0	125.000	38.3379	84.3	35 - 129	7.11	20	
Molybdenum	89.2430	1.0	125.000	0.697554	70.8	57 - 108	1.48	20	
Nickel	132.623	1.0	125.000	38.0667	75.6	44 - 122	0.530	20	
Selenium	85.2245	1.0	125.000	ND	68.2	54 - 104	2.13	20	
Silver	98.4230	1.0	125.000	ND	78.7	60 - 112	2.81	20	
Thallium	93.4622	1.0	125.000	3.46208	72.0	50 - 103	1.44	20	
Vanadium	131.588	1.0	125.000	35.2719	77.1	54 - 123	1.73	20	
Zinc	136.102	1.0	125.000	45.3961	72.6	29 - 132	4.25	20	



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Project Number : 777 N Front St., A9377-06-01

Report To : Michael Strane

Reported : 01/29/2016

Mercury by AA (Cold Vapor) EPA 7471A - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
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Batch B6A0706 - EPA 7471_S

Blank (B6A0706-BLK1)

Prepared: 1/27/2016 Analyzed: 1/27/2016

Mercury ND 0.10 NR

LCS (B6A0706-BS1)

Prepared: 1/27/2016 Analyzed: 1/27/2016

Mercury 0.888558 0.10 0.833333 107 80 - 120

Matrix Spike (B6A0706-MS1)

Source: 1600333-02

Prepared: 1/27/2016 Analyzed: 1/27/2016

Mercury 0.781286 0.10 0.833333 0.086873 83.3 70 - 130

Matrix Spike Dup (B6A0706-MSD1)

Source: 1600333-02

Prepared: 1/27/2016 Analyzed: 1/27/2016

Mercury 0.860363 0.10 0.833333 0.086873 92.8 70 - 130 9.63 20

Post Spike (B6A0706-PS1)

Source: 1600333-02

Prepared: 1/27/2016 Analyzed: 1/27/2016

Mercury 0.007548 5.00000E-3 0.001042 130 85 - 115 M1



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3303 N. San Fernando Blvd., Suite 100

Burbank, CA 91504

Project Number : 777 N Front St., A9377-06-01

Report To : Michael Strane

Reported : 01/29/2016

Gasoline Range Organics by EPA 8015B (Modified) - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD	RPD Limit	Notes
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Batch B6A0620 - GCVOA_S

Blank (B6A0620-BLK1)

Prepared: 1/25/2016 Analyzed: 1/25/2016

C6-C12	ND	1.0				NR			
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Surrogate: 4-Bromofluorobenzene

0.1984

0.200000

99.2

37 - 153

LCS (B6A0620-BS1)

Prepared: 1/25/2016 Analyzed: 1/25/2016

Gasoline Range Organics	4.86100	1.0	5.00000		97.2	70 - 130			
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Surrogate: 4-Bromofluorobenzene

0.1996

0.200000

99.8

37 - 153

Duplicate (B6A0620-DUP1)

Source: 1600343-01

Prepared: 1/25/2016 Analyzed: 1/25/2016

Gasoline Range Organics	ND	1.0		ND	NR			20	
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Surrogate: 4-Bromofluorobenzene

0.1984

0.200000

99.2

37 - 153

Matrix Spike (B6A0620-MS1)

Source: 1600343-01

Prepared: 1/25/2016 Analyzed: 1/25/2016

Gasoline Range Organics	3.52100	1.0	5.00000	ND	70.4	20 - 130			
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Surrogate: 4-Bromofluorobenzene

0.1920

0.200000

96.0

37 - 153

Matrix Spike Dup (B6A0620-MSD1)

Source: 1600343-01

Prepared: 1/25/2016 Analyzed: 1/25/2016

Gasoline Range Organics	3.74000	1.0	5.00000	ND	74.8	20 - 130	6.03	20	
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Surrogate: 4-Bromofluorobenzene

0.1965

0.200000

98.3

37 - 153



Certificate of Analysis

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Burbank, CA 91504

Project Number : 777 N Front St., A9377-06-01

Report To : Michael Strane

Reported : 01/29/2016

Hydrocarbon Chain Distribution by EPA 8015B (Modified) - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
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Batch B6A0623 - GCSEMI_DRO_S

Blank (B6A0623-BLK1)

Prepared: 1/25/2016 Analyzed: 1/25/2016

C8-C10	ND	10			NR				
C10-C18	ND	10			NR				
C18-C28	ND	10			NR				
C28-C36	ND	10			NR				
C36-C40	ND	10			NR				
C8-C40 Total	ND	10			NR				

Surrogate: <i>p</i> -Terphenyl	86.29		84.0000		103	49 - 142			
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LCS (B6A0623-BS1)

Prepared: 1/25/2016 Analyzed: 1/25/2016

DRO	1422.51	10	1000.00		142	48 - 155			
Surrogate: <i>p</i> -Terphenyl	79.09		84.0000		94.2	49 - 142			

Duplicate (B6A0623-DUP1)

Source: 1600343-01

Prepared: 1/25/2016 Analyzed: 1/25/2016

DRO	ND	10		ND	NR			20	
Surrogate: <i>p</i> -Terphenyl	96.46		84.0000		115	49 - 142			

Matrix Spike (B6A0623-MS1)

Source: 1600343-01

Prepared: 1/25/2016 Analyzed: 1/25/2016

DRO	1566.14	10	1000.00	ND	157	30 - 173			
Surrogate: <i>p</i> -Terphenyl	81.46		84.0000		97.0	49 - 142			

Matrix Spike Dup (B6A0623-MSD1)

Source: 1600343-01

Prepared: 1/25/2016 Analyzed: 1/25/2016

DRO	1549.22	10	1000.00	ND	155	30 - 173	1.09	20	
Surrogate: <i>p</i> -Terphenyl	81.60		84.0000		97.1	49 - 142			



Certificate of Analysis

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Report To : Michael Strane

Reported : 01/29/2016

Volatile Organic Compounds by EPA 8260B - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD	RPD Limit	Notes
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Batch B6A0601 - MSVOA_S

Blank (B6A0601-BLK1)

Prepared: 1/25/2016 Analyzed: 1/25/2016

1,1,1,2-Tetrachloroethane	ND	5.0			NR
1,1,1-Trichloroethane	ND	5.0			NR
1,1,2,2-Tetrachloroethane	ND	5.0			NR
1,1,2-Trichloroethane	ND	5.0			NR
1,1-Dichloroethane	ND	5.0			NR
1,1-Dichloroethene	ND	5.0			NR
1,1-Dichloropropene	ND	5.0			NR
1,2,3-Trichloropropane	ND	5.0			NR
1,2,3-Trichlorobenzene	ND	5.0			NR
1,2,4-Trichlorobenzene	ND	5.0			NR
1,2,4-Trimethylbenzene	ND	5.0			NR
1,2-Dibromo-3-chloropropane	ND	10			NR
1,2-Dibromoethane	ND	5.0			NR
1,2-Dichlorobenzene	ND	5.0			NR
1,2-Dichloroethane	ND	5.0			NR
1,2-Dichloropropane	ND	5.0			NR
1,3,5-Trimethylbenzene	ND	5.0			NR
1,3-Dichlorobenzene	ND	5.0			NR
1,3-Dichloropropane	ND	5.0			NR
1,4-Dichlorobenzene	ND	5.0			NR
2,2-Dichloropropane	ND	5.0			NR
2-Chlorotoluene	ND	5.0			NR
4-Chlorotoluene	ND	5.0			NR
4-Isopropyltoluene	ND	5.0			NR
Benzene	ND	5.0			NR
Bromobenzene	ND	5.0			NR
Bromodichloromethane	ND	5.0			NR
Bromoform	ND	5.0			NR
Bromomethane	ND	5.0			NR
Carbon tetrachloride	ND	5.0			NR
Chlorobenzene	ND	5.0			NR
Chloroethane	ND	5.0			NR
Chloroform	ND	5.0			NR
Chloromethane	ND	5.0			NR
cis-1,2-Dichloroethene	ND	5.0			NR
cis-1,3-Dichloropropene	ND	5.0			NR
Dibromochloromethane	ND	5.0			NR
Dibromomethane	ND	5.0			NR
Dichlorodifluoromethane	ND	5.0			NR
Ethylbenzene	ND	5.0			NR
Hexachlorobutadiene	ND	5.0			NR



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Project Number : 777 N Front St., A9377-06-01

Report To : Michael Strane

Reported : 01/29/2016

Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD	RPD Limit	Notes
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Batch B6A0601 - MSVOA_S (continued)

Blank (B6A0601-BLK1) - Continued

Prepared: 1/25/2016 Analyzed: 1/25/2016

Isopropylbenzene	ND	5.0			NR				
m,p-Xylene	ND	10			NR				
Methylene chloride	ND	5.0			NR				
n-Butylbenzene	ND	5.0			NR				
n-Propylbenzene	ND	5.0			NR				
Naphthalene	ND	5.0			NR				
o-Xylene	ND	5.0			NR				
sec-Butylbenzene	ND	5.0			NR				
Styrene	ND	5.0			NR				
tert-Butylbenzene	ND	5.0			NR				
Tetrachloroethene	ND	5.0			NR				
Toluene	ND	5.0			NR				
trans-1,2-Dichloroethene	ND	5.0			NR				
Trichloroethene	ND	5.0			NR				
Trichlorofluoromethane	ND	5.0			NR				
Vinyl chloride	ND	5.0			NR				

Surrogate: 1,2-Dichloroethane-d4	43.30		50.0000		86.6	20 - 189
Surrogate: 4-Bromofluorobenzene	49.26		50.0000		98.5	20 - 173
Surrogate: Dibromofluoromethane	45.92		50.0000		91.8	26 - 178
Surrogate: Toluene-d8	51.39		50.0000		103	31 - 166

LCS (B6A0601-BS1)

Prepared: 1/25/2016 Analyzed: 1/25/2016

1,1,1,2-Tetrachloroethane	43.9300	5.0	50.0000		87.9	74 - 117
1,1,1-Trichloroethane	46.3900	5.0	50.0000		92.8	65 - 130
1,1,2,2-Tetrachloroethane	43.8600	5.0	50.0000		87.7	63 - 123
1,1,2-Trichloroethane	44.4000	5.0	50.0000		88.8	66 - 122
1,1-Dichloroethane	46.0700	5.0	50.0000		92.1	65 - 124
1,1-Dichloroethene	57.0300	5.0	50.0000		114	60 - 130
1,1-Dichloropropene	46.5800	5.0	50.0000		93.2	75 - 121
1,2,3-Trichloropropane	44.5000	5.0	50.0000		89.0	62 - 126
1,2,3-Trichlorobenzene	41.9300	5.0	50.0000		83.9	72 - 120
1,2,4-Trichlorobenzene	43.4400	5.0	50.0000		86.9	75 - 121
1,2,4-Trimethylbenzene	44.5700	5.0	50.0000		89.1	82 - 118
1,2-Dibromo-3-chloropropane	41.5400	10	50.0000		83.1	67 - 121
1,2-Dibromoethane	41.8300	5.0	50.0000		83.7	69 - 123
1,2-Dichlorobenzene	44.5600	5.0	50.0000		89.1	81 - 114
1,2-Dichloroethane	42.4000	5.0	50.0000		84.8	71 - 119
1,2-Dichloropropane	45.0800	5.0	50.0000		90.2	71 - 118
1,3,5-Trimethylbenzene	44.0200	5.0	50.0000		88.0	81 - 120
1,3-Dichlorobenzene	46.3500	5.0	50.0000		92.7	80 - 115
1,3-Dichloropropane	44.6800	5.0	50.0000		89.4	77 - 117



Certificate of Analysis

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Burbank, CA 91504

Project Number : 777 N Front St., A9377-06-01

Report To : Michael Strane

Reported : 01/29/2016

Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD	RPD Limit	Notes
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Batch B6A0601 - MSVOA_S (continued)

LCS (B6A0601-BS1) - Continued

Prepared: 1/25/2016 Analyzed: 1/25/2016

1,4-Dichlorobenzene	45.2900	5.0	50.0000		90.6	80 - 115			
2,2-Dichloropropane	41.1300	5.0	50.0000		82.3	58 - 141			
2-Chlorotoluene	46.8100	5.0	50.0000		93.6	78 - 120			
4-Chlorotoluene	46.7500	5.0	50.0000		93.5	79 - 119			
4-Isopropyltoluene	44.7600	5.0	50.0000		89.5	81 - 125			
Benzene	90.2200	5.0	100.000		90.2	73 - 116			
Bromobenzene	43.2800	5.0	50.0000		86.6	78 - 115			
Bromodichloromethane	44.0300	5.0	50.0000		88.1	73 - 120			
Bromoform	42.7500	5.0	50.0000		85.5	68 - 124			
Bromomethane	51.7300	5.0	50.0000		103	26 - 163			
Carbon tetrachloride	45.2600	5.0	50.0000		90.5	67 - 130			
Chlorobenzene	44.7400	5.0	50.0000		89.5	82 - 114			
Chloroethane	48.4900	5.0	50.0000		97.0	40 - 151			
Chloroform	46.0000	5.0	50.0000		92.0	68 - 124			
Chloromethane	37.1000	5.0	50.0000		74.2	18 - 144			
cis-1,2-Dichloroethene	46.6600	5.0	50.0000		93.3	66 - 125			
cis-1,3-Dichloropropene	43.5200	5.0	50.0000		87.0	77 - 120			
Dibromochloromethane	42.0000	5.0	50.0000		84.0	76 - 118			
Dibromomethane	43.2600	5.0	50.0000		86.5	69 - 122			
Dichlorodifluoromethane	42.6900	5.0	50.0000		85.4	0 - 155			
Ethylbenzene	85.8900	5.0	100.000		85.9	79 - 115			
Hexachlorobutadiene	46.7600	5.0	50.0000		93.5	71 - 121			
Isopropylbenzene	45.2000	5.0	50.0000		90.4	78 - 126			
m,p-Xylene	83.3300	10	100.000		83.3	80 - 119			
Methylene chloride	45.6600	5.0	50.0000		91.3	56 - 129			
n-Butylbenzene	47.7000	5.0	50.0000		95.4	78 - 127			
n-Propylbenzene	46.6600	5.0	50.0000		93.3	77 - 128			
Naphthalene	40.1700	5.0	50.0000		80.3	61 - 141			
o-Xylene	83.8800	5.0	100.000		83.9	81 - 116			
sec-Butylbenzene	44.5800	5.0	50.0000		89.2	81 - 125			
Styrene	45.7600	5.0	50.0000		91.5	82 - 120			
tert-Butylbenzene	45.0100	5.0	50.0000		90.0	80 - 123			
Tetrachloroethene	45.9400	5.0	50.0000		91.9	75 - 123			
Toluene	91.4700	5.0	100.000		91.5	75 - 119			
trans-1,2-Dichloroethene	47.0600	5.0	50.0000		94.1	62 - 127			
Trichloroethene	46.1600	5.0	50.0000		92.3	73 - 119			
Trichlorofluoromethane	48.7400	5.0	50.0000		97.5	47 - 157			
Vinyl chloride	43.9600	5.0	50.0000		87.9	27 - 147			
Surrogate: 1,2-Dichloroethane-d4	53.58		50.0000		107	20 - 189			
Surrogate: 4-Bromofluorobenzene	47.56		50.0000		95.1	20 - 173			
Surrogate: Dibromofluoromethane	51.02		50.0000		102	26 - 178			



Certificate of Analysis

Geocon West, Inc.

3303 N. San Fernando Blvd., Suite 100

Burbank, CA 91504

Project Number : 777 N Front St., A9377-06-01

Report To : Michael Strane

Reported : 01/29/2016

Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD	RPD Limit	Notes
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Batch B6A0601 - MSVOA_S (continued)

LCS (B6A0601-BS1) - Continued

Prepared: 1/25/2016 Analyzed: 1/25/2016

Surrogate: Toluene-d8

50.08

50.0000

100

31 - 166

Duplicate (B6A0601-DUP1)

Source: 1600343-02

Prepared: 1/25/2016 Analyzed: 1/25/2016

1,1,1,2-Tetrachloroethane	ND	5.0	ND	NR		20
1,1,1-Trichloroethane	ND	5.0	ND	NR		20
1,1,2,2-Tetrachloroethane	ND	5.0	ND	NR		20
1,1,2-Trichloroethane	ND	5.0	ND	NR		20
1,1-Dichloroethane	ND	5.0	ND	NR		20
1,1-Dichloroethene	ND	5.0	ND	NR		20
1,1-Dichloropropene	ND	5.0	ND	NR		20
1,2,3-Trichloropropane	ND	5.0	ND	NR		20
1,2,3-Trichlorobenzene	ND	5.0	ND	NR		20
1,2,4-Trichlorobenzene	ND	5.0	ND	NR		20
1,2,4-Trimethylbenzene	ND	5.0	ND	NR		20
1,2-Dibromo-3-chloropropane	ND	10	ND	NR		20
1,2-Dibromoethane	ND	5.0	ND	NR		20
1,2-Dichlorobenzene	ND	5.0	ND	NR		20
1,2-Dichloroethane	ND	5.0	ND	NR		20
1,2-Dichloropropane	ND	5.0	ND	NR		20
1,3,5-Trimethylbenzene	ND	5.0	ND	NR		20
1,3-Dichlorobenzene	ND	5.0	ND	NR		20
1,3-Dichloropropane	ND	5.0	ND	NR		20
1,4-Dichlorobenzene	ND	5.0	ND	NR		20
2,2-Dichloropropane	ND	5.0	ND	NR		20
2-Chlorotoluene	ND	5.0	ND	NR		20
4-Chlorotoluene	ND	5.0	ND	NR		20
4-Isopropyltoluene	ND	5.0	ND	NR		20
Benzene	ND	5.0	ND	NR		20
Bromobenzene	ND	5.0	ND	NR		20
Bromodichloromethane	ND	5.0	ND	NR		20
Bromoform	ND	5.0	ND	NR		20
Bromomethane	ND	5.0	ND	NR		20
Carbon tetrachloride	ND	5.0	ND	NR		20
Chlorobenzene	ND	5.0	ND	NR		20
Chloroethane	ND	5.0	ND	NR		20
Chloroform	ND	5.0	ND	NR		20
Chloromethane	ND	5.0	ND	NR		20
cis-1,2-Dichloroethene	ND	5.0	ND	NR		20
cis-1,3-Dichloropropene	ND	5.0	ND	NR		20
Dibromochloromethane	ND	5.0	ND	NR		20
Dibromomethane	ND	5.0	ND	NR		20
Dichlorodifluoromethane	ND	5.0	ND	NR		20



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Burbank, CA 91504

Project Number : 777 N Front St., A9377-06-01

Report To : Michael Strane

Reported : 01/29/2016

Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD	RPD Limit	Notes
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Batch B6A0601 - MSVOA_S (continued)

Duplicate (B6A0601-DUP1) - Continued

Source: 1600343-02

Prepared: 1/25/2016 Analyzed: 1/25/2016

Ethylbenzene	ND	5.0		ND	NR			20	
Hexachlorobutadiene	ND	5.0		ND	NR			20	
Isopropylbenzene	ND	5.0		ND	NR			20	
m,p-Xylene	ND	10		ND	NR			20	
Methylene chloride	ND	5.0		ND	NR			20	
n-Butylbenzene	ND	5.0		ND	NR			20	
n-Propylbenzene	ND	5.0		ND	NR			20	
Naphthalene	ND	5.0		ND	NR			20	
o-Xylene	ND	5.0		ND	NR			20	
sec-Butylbenzene	ND	5.0		ND	NR			20	
Styrene	ND	5.0		ND	NR			20	
tert-Butylbenzene	ND	5.0		ND	NR			20	
Tetrachloroethene	ND	5.0		ND	NR			20	
Toluene	ND	5.0		ND	NR			20	
trans-1,2-Dichloroethene	ND	5.0		ND	NR			20	
Trichloroethene	ND	5.0		ND	NR			20	
Trichlorofluoromethane	ND	5.0		ND	NR			20	
Vinyl chloride	ND	5.0		ND	NR			20	
Surrogate: 1,2-Dichloroethane-d4	48.34		50.0000		96.7	20 - 189			
Surrogate: 4-Bromofluorobenzene	47.21		50.0000		94.4	20 - 173			
Surrogate: Dibromofluoromethane	49.00		50.0000		98.0	26 - 178			
Surrogate: Toluene-d8	48.72		50.0000		97.4	31 - 166			

Matrix Spike (B6A0601-MS1)

Source: 1600343-03

Prepared: 1/25/2016 Analyzed: 1/25/2016

1,1,1,2-Tetrachloroethane	43.2200	5.0	50.0000	ND	86.4	45 - 122			
1,1,1-Trichloroethane	46.2100	5.0	50.0000	ND	92.4	46 - 131			
1,1,2,2-Tetrachloroethane	45.3500	5.0	50.0000	ND	90.7	34 - 133			
1,1,2-Trichloroethane	46.0700	5.0	50.0000	ND	92.1	40 - 133			
1,1-Dichloroethane	45.7500	5.0	50.0000	ND	91.5	50 - 120			
1,1-Dichloroethene	51.6100	5.0	50.0000	ND	103	42 - 130			
1,1-Dichloropropene	48.4600	5.0	50.0000	ND	96.9	49 - 125			
1,2,3-Trichloropropane	45.9400	5.0	50.0000	ND	91.9	42 - 130			
1,2,3-Trichlorobenzene	44.8500	5.0	50.0000	ND	89.7	2 - 136			
1,2,4-Trichlorobenzene	45.7400	5.0	50.0000	ND	91.5	6 - 137			
1,2,4-Trimethylbenzene	44.0000	5.0	50.0000	ND	88.0	37 - 129			
1,2-Dibromo-3-chloropropane	41.9100	10	50.0000	ND	83.8	36 - 135			
1,2-Dibromoethane	42.8400	5.0	50.0000	ND	85.7	43 - 129			
1,2-Dichlorobenzene	43.5100	5.0	50.0000	ND	87.0	31 - 129			
1,2-Dichloroethane	44.3200	5.0	50.0000	ND	88.6	50 - 122			
1,2-Dichloropropane	44.9500	5.0	50.0000	ND	89.9	51 - 119			
1,3,5-Trimethylbenzene	43.3200	5.0	50.0000	ND	86.6	38 - 130			



Certificate of Analysis

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3303 N. San Fernando Blvd., Suite 100

Burbank, CA 91504

Project Number : 777 N Front St., A9377-06-01

Report To : Michael Strane

Reported : 01/29/2016

Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
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Batch B6A0601 - MSVOA_S (continued)

Matrix Spike (B6A0601-MS1) - Continued

Source: 1600343-03

Prepared: 1/25/2016 Analyzed: 1/25/2016

1,3-Dichlorobenzene	45.5100	5.0	50.0000	ND	91.0	31 - 128			
1,3-Dichloropropane	44.3500	5.0	50.0000	ND	88.7	52 - 122			
1,4-Dichlorobenzene	44.3400	5.0	50.0000	ND	88.7	31 - 128			
2,2-Dichloropropane	41.3000	5.0	50.0000	ND	82.6	42 - 140			
2-Chlorotoluene	46.5300	5.0	50.0000	ND	93.1	38 - 129			
4-Chlorotoluene	46.2400	5.0	50.0000	ND	92.5	38 - 128			
4-Isopropyltoluene	44.2900	5.0	50.0000	ND	88.6	31 - 137			
Benzene	91.6400	5.0	100.000	ND	91.6	51 - 117			
Bromobenzene	44.3700	5.0	50.0000	ND	88.7	41 - 125			
Bromodichloromethane	43.5000	5.0	50.0000	ND	87.0	50 - 122			
Bromoform	42.3800	5.0	50.0000	ND	84.8	39 - 131			
Bromomethane	64.6700	5.0	50.0000	ND	129	10 - 154			
Carbon tetrachloride	47.2200	5.0	50.0000	ND	94.4	44 - 131			
Chlorobenzene	43.4300	5.0	50.0000	ND	86.9	46 - 123			
Chloroethane	52.4900	5.0	50.0000	ND	105	27 - 143			
Chloroform	45.9100	5.0	50.0000	ND	91.8	50 - 124			
Chloromethane	36.7600	5.0	50.0000	ND	73.5	8 - 139			
cis-1,2-Dichloroethene	46.2800	5.0	50.0000	ND	92.6	48 - 125			
cis-1,3-Dichloropropene	43.8200	5.0	50.0000	ND	87.6	51 - 123			
Dibromochloromethane	41.8500	5.0	50.0000	ND	83.7	48 - 124			
Dibromomethane	44.8700	5.0	50.0000	ND	89.7	48 - 124			
Dichlorodifluoromethane	42.2700	5.0	50.0000	ND	84.5	0 - 150			
Ethylbenzene	84.1400	5.0	100.000	ND	84.1	46 - 123			
Hexachlorobutadiene	44.9900	5.0	50.0000	ND	90.0	5 - 132			
Isopropylbenzene	45.9400	5.0	50.0000	ND	91.9	43 - 132			
m,p-Xylene	81.0900	10	100.000	ND	81.1	45 - 128			
Methylene chloride	47.2200	5.0	50.0000	ND	94.4	37 - 126			
n-Butylbenzene	48.0000	5.0	50.0000	ND	96.0	24 - 138			
n-Propylbenzene	47.1000	5.0	50.0000	ND	94.2	40 - 133			
Naphthalene	44.7400	5.0	50.0000	ND	89.5	10 - 149			
o-Xylene	81.1200	5.0	100.000	ND	81.1	45 - 125			
sec-Butylbenzene	44.8600	5.0	50.0000	ND	89.7	33 - 136			
Styrene	42.5100	5.0	50.0000	ND	85.0	43 - 128			
tert-Butylbenzene	44.8500	5.0	50.0000	ND	89.7	36 - 133			
Tetrachloroethene	45.3300	5.0	50.0000	ND	90.7	41 - 129			
Toluene	91.5200	5.0	100.000	ND	91.5	49 - 124			
trans-1,2-Dichloroethene	47.5700	5.0	50.0000	ND	95.1	44 - 126			
Trichloroethene	47.2700	5.0	50.0000	ND	94.5	38 - 139			
Trichlorofluoromethane	50.3500	5.0	50.0000	ND	101	30 - 157			
Vinyl chloride	46.6200	5.0	50.0000	ND	93.2	19 - 142			

Surrogate: 1,2-Dichloroethane-d4	48.61		50.0000		97.2	20 - 189
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Certificate of Analysis

Geocon West, Inc.

3303 N. San Fernando Blvd., Suite 100

Burbank, CA 91504

Project Number : 777 N Front St., A9377-06-01

Report To : Michael Strane

Reported : 01/29/2016

Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
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Batch B6A0601 - MSVOA_S (continued)

Matrix Spike (B6A0601-MS1) - Continued

Source: 1600343-03

Prepared: 1/25/2016 Analyzed: 1/25/2016

Surrogate: 4-Bromofluorobenzene	46.89		50.0000		93.8	20 - 173			
Surrogate: Dibromofluoromethane	50.97		50.0000		102	26 - 178			
Surrogate: Toluene-d8	49.47		50.0000		98.9	31 - 166			

Matrix Spike Dup (B6A0601-MSD1)

Source: 1600343-03

Prepared: 1/25/2016 Analyzed: 1/25/2016

1,1,1,2-Tetrachloroethane	42.2700	5.0	50.0000	ND	84.5	45 - 122	2.22	20	
1,1,1-Trichloroethane	45.1300	5.0	50.0000	ND	90.3	46 - 131	2.36	20	
1,1,2,2-Tetrachloroethane	45.7800	5.0	50.0000	ND	91.6	34 - 133	0.944	20	
1,1,2-Trichloroethane	43.9300	5.0	50.0000	ND	87.9	40 - 133	4.76	20	
1,1-Dichloroethane	44.3500	5.0	50.0000	ND	88.7	50 - 120	3.11	20	
1,1-Dichloroethene	50.6100	5.0	50.0000	ND	101	42 - 130	1.96	20	
1,1-Dichloropropene	45.5900	5.0	50.0000	ND	91.2	49 - 125	6.10	20	
1,2,3-Trichloropropane	45.9700	5.0	50.0000	ND	91.9	42 - 130	0.0653	20	
1,2,3-Trichlorobenzene	42.0100	5.0	50.0000	ND	84.0	2 - 136	6.54	20	
1,2,4-Trichlorobenzene	41.8300	5.0	50.0000	ND	83.7	6 - 137	8.93	20	
1,2,4-Trimethylbenzene	42.7800	5.0	50.0000	ND	85.6	37 - 129	2.81	20	
1,2-Dibromo-3-chloropropane	40.2800	10	50.0000	ND	80.6	36 - 135	3.97	20	
1,2-Dibromoethane	43.2300	5.0	50.0000	ND	86.5	43 - 129	0.906	20	
1,2-Dichlorobenzene	42.4400	5.0	50.0000	ND	84.9	31 - 129	2.49	20	
1,2-Dichloroethane	41.3100	5.0	50.0000	ND	82.6	50 - 122	7.03	20	
1,2-Dichloropropane	43.3200	5.0	50.0000	ND	86.6	51 - 119	3.69	20	
1,3,5-Trimethylbenzene	42.0700	5.0	50.0000	ND	84.1	38 - 130	2.93	20	
1,3-Dichlorobenzene	44.8000	5.0	50.0000	ND	89.6	31 - 128	1.57	20	
1,3-Dichloropropane	43.5800	5.0	50.0000	ND	87.2	52 - 122	1.75	20	
1,4-Dichlorobenzene	43.9100	5.0	50.0000	ND	87.8	31 - 128	0.975	20	
2,2-Dichloropropane	39.7200	5.0	50.0000	ND	79.4	42 - 140	3.90	20	
2-Chlorotoluene	44.9800	5.0	50.0000	ND	90.0	38 - 129	3.39	20	
4-Chlorotoluene	45.1300	5.0	50.0000	ND	90.3	38 - 128	2.43	20	
4-Isopropyltoluene	42.4700	5.0	50.0000	ND	84.9	31 - 137	4.20	20	
Benzene	86.3600	5.0	100.000	ND	86.4	51 - 117	5.93	20	
Bromobenzene	42.8300	5.0	50.0000	ND	85.7	41 - 125	3.53	20	
Bromodichloromethane	41.3500	5.0	50.0000	ND	82.7	50 - 122	5.07	20	
Bromoform	41.6500	5.0	50.0000	ND	83.3	39 - 131	1.74	20	
Bromomethane	60.2000	5.0	50.0000	ND	120	10 - 154	7.16	20	
Carbon tetrachloride	44.9800	5.0	50.0000	ND	90.0	44 - 131	4.86	20	
Chlorobenzene	42.5000	5.0	50.0000	ND	85.0	46 - 123	2.16	20	
Chloroethane	52.3900	5.0	50.0000	ND	105	27 - 143	0.191	20	
Chloroform	44.7200	5.0	50.0000	ND	89.4	50 - 124	2.63	20	
Chloromethane	34.5100	5.0	50.0000	ND	69.0	8 - 139	6.31	20	
cis-1,2-Dichloroethene	45.3400	5.0	50.0000	ND	90.7	48 - 125	2.05	20	
cis-1,3-Dichloropropene	41.9000	5.0	50.0000	ND	83.8	51 - 123	4.48	20	
Dibromochloromethane	41.6100	5.0	50.0000	ND	83.2	48 - 124	0.575	20	



Certificate of Analysis

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3303 N. San Fernando Blvd., Suite 100

Burbank, CA 91504

Project Number : 777 N Front St., A9377-06-01

Report To : Michael Strane

Reported : 01/29/2016

Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
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Batch B6A0601 - MSVOA_S (continued)

Matrix Spike Dup (B6A0601-MSD1) - Continued

Source: 1600343-03

Prepared: 1/25/2016 Analyzed: 1/25/2016

Dibromomethane	42.4400	5.0	50.0000	ND	84.9	48 - 124	5.57	20	
Dichlorodifluoromethane	40.6800	5.0	50.0000	ND	81.4	0 - 150	3.83	20	
Ethylbenzene	80.9700	5.0	100.000	ND	81.0	46 - 123	3.84	20	
Hexachlorobutadiene	42.9300	5.0	50.0000	ND	85.9	5 - 132	4.69	20	
Isopropylbenzene	44.0500	5.0	50.0000	ND	88.1	43 - 132	4.20	20	
m,p-Xylene	78.0700	10	100.000	ND	78.1	45 - 128	3.79	20	
Methylene chloride	46.3400	5.0	50.0000	ND	92.7	37 - 126	1.88	20	
n-Butylbenzene	45.6200	5.0	50.0000	ND	91.2	24 - 138	5.08	20	
n-Propylbenzene	45.2900	5.0	50.0000	ND	90.6	40 - 133	3.92	20	
Naphthalene	41.6700	5.0	50.0000	ND	83.3	10 - 149	7.11	20	
o-Xylene	78.2500	5.0	100.000	ND	78.2	45 - 125	3.60	20	
sec-Butylbenzene	42.6200	5.0	50.0000	ND	85.2	33 - 136	5.12	20	
Styrene	42.0100	5.0	50.0000	ND	84.0	43 - 128	1.18	20	
tert-Butylbenzene	43.1700	5.0	50.0000	ND	86.3	36 - 133	3.82	20	
Tetrachloroethene	43.8900	5.0	50.0000	ND	87.8	41 - 129	3.23	20	
Toluene	86.0300	5.0	100.000	ND	86.0	49 - 124	6.18	20	
trans-1,2-Dichloroethene	45.8800	5.0	50.0000	ND	91.8	44 - 126	3.62	20	
Trichloroethene	44.7400	5.0	50.0000	ND	89.5	38 - 139	5.50	20	
Trichlorofluoromethane	50.0000	5.0	50.0000	ND	100	30 - 157	0.698	20	
Vinyl chloride	46.0300	5.0	50.0000	ND	92.1	19 - 142	1.27	20	

Surrogate: 1,2-Dichloroethane-d4	55.15		50.0000		110	20 - 189			
Surrogate: 4-Bromofluorobenzene	46.73		50.0000		93.5	20 - 173			
Surrogate: Dibromofluoromethane	51.60		50.0000		103	26 - 178			
Surrogate: Toluene-d8	48.27		50.0000		96.5	31 - 166			



Certificate of Analysis

Geocon West, Inc.

3303 N. San Fernando Blvd., Suite 100

Burbank, CA 91504

Project Number : 777 N Front St., A9377-06-01

Report To : Michael Strane

Reported : 01/29/2016

Notes and Definitions

M1	Matrix spike recovery outside of acceptance limit. The analytical batch was validated by the laboratory control sample.
ND	Analyte is not detected at or above the Practical Quantitation Limit (PQL). When client requests quantitation against MDL, analyte is not detected at or above the Method Detection Limit (MDL)
PQL	Practical Quantitation Limit
MDL	Method Detection Limit
NR	Not Reported
RPD	Relative Percent Difference
CA2	CA-ELAP (CDPH)
OR1	OR-NELAP (OSPHL)
TX1	TX-NELAP (TCEQ)

Notes:

- (1) The reported MDL and PQL are based on prep ratio variation and analytical dilution.
- (2) The suffix [2C] of specific analytes signifies that the reported result is taken from the instrument's second column.
- (3) Results are wet unless otherwise specified.

CHAIN OF CUSTODY RECORD

Page 1 of 1

Instruction: Complete all shaded areas.

For Laboratory Use Only ATLCCOC Ver: 20130715		Sample Conditions Upon Receipt	
Method of Transport		Condition	
☐ Client ☐ FedEx ☐ GSO ☐ Other:		☐ 1. CHILLED ☐ 2. HEADSPACE (VDA) ☐ 3. CONTAINER INTACT ☐ 4. SEALED	
Condition ☐ 5. # OF SAMPLES MATCH COC ☐ 6. PRESERVED ☐ 7. COOLER TEMP. deg C:		Condition ☐ 8. CHILLED ☐ 9. HEADSPACE (VDA) ☐ 10. CONTAINER INTACT ☐ 11. SEALED	
Company: Geokon West Address: 3303 N San Fernando Rd City: Burbank State: CA Zip: 91504 Tel: (818) 841-8388 Fax:		Method of Transport ☐ ATL ☐ OnTrac	
Attn: Michael Strane Email: strane@geokoninc.com Company: Geokon West Address: 3303 N San Fernando Rd City: Burbank State: CA Zip: 91504		SEND REPORT TO: Attn: Company: Address: City: State: Zip:	
Project Name: 777 N Front St. Project No.: A9377-06-01 Sampler: grab		Quote No.: PO #:	
Special Instructions/Comments:		Encircle or With Requested Analysis	
Lab No.		Encircle Sample Matrix	
Sample ID / Location		SOIL / SEDIMENT / SLUDGE WATERS - DRINKING / WASTE WATERS - STORM / WASTE AQUEOUS / LAYERED - OIL	
1 1600338-01 B4 @ 0-14' / 777 N FRONT ST 2 3 4 5 6 7 8 9 10		8260 / 624 (Volatiles) 8015 (GRO) 8015 (PRO) 8270 (Semi-volatiles) 8081 (Organochlorine Pesticides) 8082 (PCBs) 6010 / 7000 (Title 22 Metals) TO-15	
Date: 1/21/16 Time: 10:00am		Container Type: 1=Tube; 2=VOA; 3=Liter; 4=Pin; 5=Liter; 6=Teal; 7=Canister Material: 1=Glass; 2=Plastic; 3=Metal Preservative: 1=HCl; 2=HNO3; 3=H2SO4; 4=AC; 5=Zn (Ac); 6=NaOH; 7=MA25203	
QA/QC ☐ Routine ☐ Caltrans ☐ Legal ☐ RWOCB ☐ Level IV		REMARKS	

As the authorized agent of the company above, I hereby purchase laboratory services from ATL as shown above and hereby guarantee payment as quoted.

Submitter Print Name: _____ Signature: _____

Date: 1/21/16 Time: 10:00am

Relinquished by: (Signature and Printed Name) Michael D Strane Date: 1/21/16 Time: 10:00am

Relinquished by: (Signature and Printed Name) Date: 1/22/16 Time: 12:30pm

Relinquished by: (Signature and Printed Name) Date: 1/22/16 Time: 12:30pm



February 08, 2016

Michael Strane
Geocon West, Inc.
3303 N. San Fernando Blvd., Suite 100
Burbank, CA 91504
Tel: (818) 841-8388
Fax: (818) 841-1704

ELAP No.: 1838
CSDLAC No.: 10196
ORELAP No.: CA300003
TCEQ No. : T104704502

Re: ATL Work Order Number : 1600338
Client Reference : 777 N Front St., A9377-06-01

Enclosed are the results for sample(s) received on January 22, 2016 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated on the enclosed chain of custody in accordance with applicable laboratory certifications. The laboratory results contained in this report specifically pertains to the sample(s) submitted.

Thank you for the opportunity to serve the needs of your company. If you have any questions, please feel free to contact me or your Project Manager.

Sincerely,

A handwritten signature in black ink, appearing to read "E Rodriguez", is placed above the printed name.

Eddie Rodriguez
Laboratory Director

The cover letter and the case narrative are an integral part of this analytical report and its absence renders the report invalid. Test results contained within this data package meet the requirements of applicable state-specific certification programs. The report cannot be reproduced without written permission from the client and Advanced Technology Laboratories.



Certificate of Analysis

Geocon West, Inc.

3303 N. San Fernando Blvd., Suite 100

Burbank , CA 91504

Project Number : 777 N Front St., A9377-06-01

Report To : Michael Strane

Reported : 02/08/2016

SUMMARY OF SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
B4 @ 0 - 14' / 777 N FRONT ST BUR	1600338-01	Soil	1/21/16 10:00	1/22/16 9:54

CASE NARRATIVE

Additional analysis for STLC Chromium was requested by the client on February 1, 2016 and STLC Hexavalent Chromium on February 2, 2016, both on a 3-day expedited TAT. Any documentation pertaining to this is available upon request.



Certificate of Analysis

Geocon West, Inc.

3303 N. San Fernando Blvd., Suite 100

Burbank, CA 91504

Project Number : 777 N Front St., A9377-06-01

Report To : Michael Strane

Reported : 02/08/2016

Client Sample ID B4 @ 0 - 14' / 777 N FRONT ST BURBANK SW S105

Lab ID: 1600338-01

STLC Metals by ICP-AES by EPA 6010B

Analyst: RR

Analyte	Result (mg/L)	PQL (mg/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Chromium	ND	1.0	20	B6B0170	02/04/2016	02/04/16 16:07	

STLC Hexavalent Chromium by EPA 7196A

Analyst: LA

Analyte	Result (mg/L)	PQL (mg/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Hexavalent Chromium	ND	0.01	1	B6B0190	02/05/2016	02/05/16 10:35	



Certificate of Analysis

Geocon West, Inc.

3303 N. San Fernando Blvd., Suite 100

Burbank , CA 91504

Project Number : 777 N Front St., A9377-06-01

Report To : Michael Strane

Reported : 02/08/2016

QUALITY CONTROL SECTION

STLC Metals by ICP-AES by EPA 6010B - Quality Control

Analyte	Result (mg/L)	PQL (mg/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B6B0170 - STLC_S Extraction									
Blank (B6B0170-BLK1)				Prepared: 2/4/2016 Analyzed: 2/4/2016					
Chromium	ND	1.0			NR				
Blank (B6B0170-BLK2)				Prepared: 2/4/2016 Analyzed: 2/4/2016					
Chromium	ND	1.0			NR				
LCS (B6B0170-BS1)				Prepared: 2/4/2016 Analyzed: 2/4/2016					
Chromium	1.97659		2.00000		98.8	80 - 120			
Duplicate (B6B0170-DUP1)				Source: 1600328-01 Prepared: 2/4/2016 Analyzed: 2/4/2016					
Chromium	0.158350	1.0		0.184268	NR		15.1	20	
Duplicate (B6B0170-DUP2)				Source: 1600328-22 Prepared: 2/4/2016 Analyzed: 2/4/2016					
Chromium	0.163514	1.0		0.203466	NR		21.8	20	R
Matrix Spike (B6B0170-MS1)				Source: 1600328-01 Prepared: 2/4/2016 Analyzed: 2/4/2016					
Chromium	2.54696		2.50000	0.184268	94.5	74 - 121			
Matrix Spike (B6B0170-MS2)				Source: 1600328-22 Prepared: 2/4/2016 Analyzed: 2/4/2016					
Chromium	2.59927		2.50000	0.203466	95.8	74 - 121			
Matrix Spike Dup (B6B0170-MSD1)				Source: 1600328-01 Prepared: 2/4/2016 Analyzed: 2/4/2016					
Chromium	2.64298		2.50000	0.184268	98.3	74 - 121	3.70	20	



Certificate of Analysis

Geocon West, Inc.

3303 N. San Fernando Blvd., Suite 100

Burbank, CA 91504

Project Number : 777 N Front St., A9377-06-01

Report To : Michael Strane

Reported : 02/08/2016

STLC Hexavalent Chromium by EPA 7196A - Quality Control

Analyte	Result (mg/L)	PQL (mg/L)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B6B0190 - Prep_WC3_S									
Blank (B6B0190-BLK1)				Prepared: 2/5/2016 Analyzed: 2/5/2016					
Hexavalent Chromium	ND	0.01			NR				
LCS (B6B0190-BS1)				Prepared: 2/5/2016 Analyzed: 2/5/2016					
Hexavalent Chromium	4.40000	0.01	5.00000		88.0	85 - 115			
Duplicate (B6B0190-DUP1)				Source: 1600338-01 Prepared: 2/5/2016 Analyzed: 2/5/2016					
Hexavalent Chromium	ND	0.01		ND	NR			20	
Matrix Spike (B6B0190-MS1)				Source: 1600338-01 Prepared: 2/5/2016 Analyzed: 2/5/2016					
Hexavalent Chromium	0.470000	0.01	5.00000	ND	9.40	85 - 115			M2
Matrix Spike Dup (B6B0190-MSD1)				Source: 1600338-01 Prepared: 2/5/2016 Analyzed: 2/5/2016					
Hexavalent Chromium	0.470000	0.01	5.00000	ND	9.40	85 - 115	0.00	20	M2



Certificate of Analysis

Geocon West, Inc.

3303 N. San Fernando Blvd., Suite 100

Burbank, CA 91504

Project Number : 777 N Front St., A9377-06-01

Report To : Michael Strane

Reported : 02/08/2016

Notes and Definitions

R	RPD value outside acceptance criteria. Calculation is based on raw values.
M2	Matrix spike recovery outside of acceptance limit due to possible matrix interference. The analytical batch was validated by the laboratory control sample.
ND	Analyte is not detected at or above the Practical Quantitation Limit (PQL). When client requests quantitation against MDL, analyte is not detected at or above the Method Detection Limit (MDL)
PQL	Practical Quantitation Limit
MDL	Method Detection Limit
NR	Not Reported
RPD	Relative Percent Difference
CA2	CA-ELAP (CDPH)
OR1	OR-NELAP (OSPHL)
TX1	TX-NELAP (TCEQ)

Notes:

- (1) The reported MDL and PQL are based on prep ratio variation and analytical dilution.
- (2) The suffix [2C] of specific analytes signifies that the reported result is taken from the instrument's second column.
- (3) Results are wet unless otherwise specified.



February 05, 2016

Michael Strane
Geocon West, Inc.
3303 N. San Fernando Blvd., Suite 100
Burbank, CA 91504
Tel: (818) 841-8388
Fax: (818) 841-1704

ELAP No.: 1838
CSDLAC No.: 10196
ORELAP No.: CA300003
TCEQ No. : T104704502

Re: ATL Work Order Number : 1600338
Client Reference : 777 N Front St., A9377-06-01

Enclosed are the results for sample(s) received on January 22, 2016 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated on the enclosed chain of custody in accordance with applicable laboratory certifications. The laboratory results contained in this report specifically pertains to the sample(s) submitted.

Thank you for the opportunity to serve the needs of your company. If you have any questions, please feel free to contact me or your Project Manager.

Sincerely,

A handwritten signature in black ink, appearing to read "E Rodriguez".

Eddie Rodriguez
Laboratory Director

The cover letter and the case narrative are an integral part of this analytical report and its absence renders the report invalid. Test results contained within this data package meet the requirements of applicable state-specific certification programs. The report cannot be reproduced without written permission from the client and Advanced Technology Laboratories.



Certificate of Analysis

Geocon West, Inc.

3303 N. San Fernando Blvd., Suite 100

Burbank , CA 91504

Project Number : 777 N Front St., A9377-06-01

Report To : Michael Strane

Reported : 02/05/2016

SUMMARY OF SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
B4 @ 0 - 14' / 777 N FRONT ST BUR	1600338-01	Soil	1/21/16 10:00	1/22/16 9:54



Certificate of Analysis

Geocon West, Inc.

3303 N. San Fernando Blvd., Suite 100

Burbank, CA 91504

Project Number : 777 N Front St., A9377-06-01

Report To : Michael Strane

Reported : 02/05/2016

Client Sample ID B4 @ 0 - 14' / 777 N FRONT ST BURBANK SW S105

Lab ID: 1600338-01

STLC Metals by ICP-AES by EPA 6010B

Analyst: RR

Analyte	Result (mg/L)	PQL (mg/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Chromium	ND	1.0	20	B6B0170	02/04/2016	02/04/16 16:07	

STLC Hexavalent Chromium by EPA 7196A

Analyst: LA

Analyte	Result (mg/L)	PQL (mg/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Hexavalent Chromium	ND	0.01	1	B6B0190	02/05/2016	02/05/16 10:35	



Certificate of Analysis

Geocon West, Inc.

3303 N. San Fernando Blvd., Suite 100

Burbank, CA 91504

Project Number : 777 N Front St., A9377-06-01

Report To : Michael Strane

Reported : 02/05/2016

QUALITY CONTROL SECTION

STLC Metals by ICP-AES by EPA 6010B - Quality Control

Analyte	Result (mg/L)	PQL (mg/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B6B0170 - STLC_S Extraction									
Blank (B6B0170-BLK1)				Prepared: 2/4/2016 Analyzed: 2/4/2016					
Chromium	ND	1.0			NR				
Blank (B6B0170-BLK2)				Prepared: 2/4/2016 Analyzed: 2/4/2016					
Chromium	ND	1.0			NR				
LCS (B6B0170-BS1)				Prepared: 2/4/2016 Analyzed: 2/4/2016					
Chromium	1.97659		2.00000		98.8	80 - 120			
Duplicate (B6B0170-DUP1)				Source: 1600328-01 Prepared: 2/4/2016 Analyzed: 2/4/2016					
Chromium	0.158350	1.0		0.184268	NR		15.1	20	
Duplicate (B6B0170-DUP2)				Source: 1600328-22 Prepared: 2/4/2016 Analyzed: 2/4/2016					
Chromium	0.163514	1.0		0.203466	NR		21.8	20	R
Matrix Spike (B6B0170-MS1)				Source: 1600328-01 Prepared: 2/4/2016 Analyzed: 2/4/2016					
Chromium	2.54696		2.50000	0.184268	94.5	74 - 121			
Matrix Spike (B6B0170-MS2)				Source: 1600328-22 Prepared: 2/4/2016 Analyzed: 2/4/2016					
Chromium	2.59927		2.50000	0.203466	95.8	74 - 121			
Matrix Spike Dup (B6B0170-MSD1)				Source: 1600328-01 Prepared: 2/4/2016 Analyzed: 2/4/2016					
Chromium	2.64298		2.50000	0.184268	98.3	74 - 121	3.70	20	



Certificate of Analysis

Geocon West, Inc.

3303 N. San Fernando Blvd., Suite 100

Burbank, CA 91504

Project Number : 777 N Front St., A9377-06-01

Report To : Michael Strane

Reported : 02/05/2016

STLC Hexavalent Chromium by EPA 7196A - Quality Control

Analyte	Result (mg/L)	PQL (mg/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
---------	------------------	---------------	----------------	------------------	-------	-----------------	-----	--------------	-------

Batch B6B0190 - Prep_WC3_S

Blank (B6B0190-BLK1)

Prepared: 2/5/2016 Analyzed: 2/5/2016

Hexavalent Chromium

ND

0.01

NR

LCS (B6B0190-BS1)

Prepared: 2/5/2016 Analyzed: 2/5/2016

Hexavalent Chromium

4.40000

0.01

5.00000

88.0

85 - 115

Duplicate (B6B0190-DUP1)

Source: 1600338-01

Prepared: 2/5/2016 Analyzed: 2/5/2016

Hexavalent Chromium

ND

0.01

ND

NR

20

Matrix Spike (B6B0190-MS1)

Source: 1600338-01

Prepared: 2/5/2016 Analyzed: 2/5/2016

Hexavalent Chromium

0.470000

0.01

5.00000

ND

9.40

85 - 115

M2

Matrix Spike Dup (B6B0190-MSD1)

Source: 1600338-01

Prepared: 2/5/2016 Analyzed: 2/5/2016

Hexavalent Chromium

0.470000

0.01

5.00000

ND

9.40

85 - 115

0.00

20

M2



Certificate of Analysis

Geocon West, Inc.

3303 N. San Fernando Blvd., Suite 100

Burbank, CA 91504

Project Number : 777 N Front St., A9377-06-01

Report To : Michael Strane

Reported : 02/05/2016

Notes and Definitions

R	RPD value outside acceptance criteria. Calculation is based on raw values.
M2	Matrix spike recovery outside of acceptance limit due to possible matrix interference. The analytical batch was validated by the laboratory control sample.
ND	Analyte is not detected at or above the Practical Quantitation Limit (PQL). When client requests quantitation against MDL, analyte is not detected at or above the Method Detection Limit (MDL)
PQL	Practical Quantitation Limit
MDL	Method Detection Limit
NR	Not Reported
RPD	Relative Percent Difference
CA2	CA-ELAP (CDPH)
OR1	OR-NELAP (OSPHL)
TX1	TX-NELAP (TCEQ)

Notes:

- (1) The reported MDL and PQL are based on prep ratio variation and analytical dilution.
- (2) The suffix [2C] of specific analytes signifies that the reported result is taken from the instrument's second column.
- (3) Results are wet unless otherwise specified.

Diane Galvan

From: Jelisa Thomas [thomas@geoconinc.com]
Sent: Tuesday, February 02, 2016 3:34 PM
To: Diane Galvan
Subject: RE: Results/EDD/Invoice - 777 N Front St. (1600338)

Hi Diane,

Yes, they want the WET method for hexavalent chromium.

Thank you,



Jelisa Thomas, PE | Project Engineer
Geocon West, Inc.
3303 N. San Fernando Blvd. Suite 100, Burbank, CA 91504

Mobile 650.208.0992

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In addition to Geotechnical and Special Inspection/Testing services, Geocon also provides Environmental Consulting Services including: Phase I and II Environmental Site Assessments, Asbestos Containing Materials and Lead Containing Paint Surveys, Remediation and Monitoring of Contaminated Soil and Groundwater, as well as Underground Storage Tank Removals.

From: Diane Galvan [mailto:Diane@atglobal.com]
Sent: Tuesday, February 02, 2016 4:29 PM
To: Jelisa Thomas <thomas@geoconinc.com>
Subject: RE: Results/EDD/Invoice - 777 N Front St. (1600338)

Hi Jelisa,

The WET test we are performing is for Total Chromium by Method 6010. If needed, we could do WET Hexavalent Chromium by Method 7196.

I hope this helps!

Diane

From: Jelisa Thomas [mailto:thomas@geoconinc.com]
Sent: Tuesday, February 02, 2016 1:45 PM
To: Diane Galvan
Subject: RE: Results/EDD/Invoice - 777 N Front St. (1600338)

Hi Diane,

The client has a few additional questions:

Would you please confirm that the WET test that the lab is conducting tests for both hex chrome concentrations as well as total chromium concentrations? Can you also please confirm what methodologies they will use for each?

Could you help me respond to these questions, please?



Jelisa Thomas, PE | Project Engineer
Geocon West, Inc.

3303 N. San Fernando Blvd. Suite 100, Burbank, CA 91504

Mobile 650.208.0992

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From: Jelisa Thomas [<mailto:thomas@geoconinc.com>]

Sent: Monday, February 01, 2016 2:27 PM

To: Diane Galvan

Subject: RE: Results/EDD/Invoice - 777 N Front St. (1600338)

Hi Diane,

We would like to the expedited TAT for the additional test.

Thank you,



Jelisa Thomas, PE | Project Engineer
Geocon West, Inc.

3303 N. San Fernando Blvd. Suite 100, Burbank, CA 91504

Mobile 650.208.0992

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From: Diane Galvan [<mailto:Diane@atglobal.com>]

Sent: Monday, February 01, 2016 3:18 PM

To: Jelisa Thomas <thomas@geoconinc.com>

Subject: FW: Results/EDD/Invoice - 777 N Front St. (1600338)

Hi Jelisa,

I've been informed we do have enough sample remaining and will proceed with the additional analysis.

Thanks,

Diane

From: Jelisa Thomas [<mailto:thomas@geoconinc.com>]
Sent: Monday, February 01, 2016 11:07 AM
To: Diane Galvan
Subject: FW: Results/EDD/Invoice - 777 N Front St. (1600338)

Hi Diane,

Would it be possible to run additional tests on the sample we provided from 777 N. Front Street. Here is what we've been requested to ask for:

The detected chromium concentration of 86 mg/kg was more than 10 times the CA STLC of 5 mg/L (i.e., 50 mg/kg). In accordance with general practice, I recommend telling the lab to run the soil sample for soluble chromium using the CA Waste Extraction Test. All the other analytical tests looked fine.

Please let me know if there is enough soil sample remaining, or if we would need to submit a new sample / if it would be ok to submit a sample that has been in a lidded drum for about a week.

Thank you,



Jelisa Thomas, PE | *Project Engineer*
Geocon West, Inc.
3303 N. San Fernando Blvd. Suite 100, Burbank, CA 91504

Mobile 650.208.0992

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Los Angeles / Orange County / Riverside County / Palm Desert / San Diego / Bay Area / Fairfield / Sacramento

In addition to Geotechnical and Special Inspection/Testing services, Geocon also provides Environmental Consulting Services including: Phase I and II Environmental Site Assessments, Asbestos Containing Materials and Lead Containing Paint Surveys, Remediation and Monitoring of Contaminated Soil and Groundwater, as well as Underground Storage Tank Removals.

Los Angeles Regional Water Quality Control Board

June 3, 2015

Mr. Alan Skobin
15505 Roscoe Blvd.
North Hills, California 91343

CERTIFIED MAIL
RETURN RECEIPT REQUESTED
7012 3460 0000 2166 4314

Mr. Alan Skobin
Northridge Properties, LLC
15505 Roscoe Blvd.
North Hills, California 91343

CERTIFIED MAIL
RETURN RECEIPT REQUESTED
7013 3460 0000 2166 4291

SUBJECT: ORDER REQUIRING A TECHNICAL REPORT PURSUANT TO CALIFORNIA WATER CODE SECTION 13267

SITE: FORMER ZERO CORPORATION FACILITY, 777 NORTH FRONT STREET, BURBANK, CALIFORNIA FILE NO. 109.6162

Dear Mr. Skobin and Northridge Properties:

The California Regional Water Quality Control Board, Los Angeles Region (Regional Board) is the public agency with the primary responsibility for the protection of ground and surface water within major portions of Los Angeles and Ventura Counties. To accomplish this, the Regional Board issues investigative orders pursuant to the Porter-Cologne Water Quality Control Act (California Water Code [CWC], §§13000 et seq.).

Regional Board staff have reviewed the final report entitled "Soil Assessment Report," (Geosyntec September 10, 2012) for the former Zero Corporation facility located at 777 North Front Street, Burbank, California from the 1960s to the 1990s (Site). Additionally, staff reviewed additional technical information in the Regional Board files that indicates the documented use of hexavalent chromium (CrVI) at the Site. The staff's conclusion is that there has not been adequate soil sampling data collected with regard to CrVI in soils that are deeper than 5 feet below grade.

Thus, staff has determined that an additional investigation is warranted due to the historical use of chromium at the Site. The requirement for an additional investigation is further warranted by information presented to the Regional Board in a 2009 soil investigation report for the Site that was prepared on behalf of the California Department of Transportation (CalTrans). The report indicates that CrVI is present at the Site at a concentration of 410 micrograms per kilogram ($\mu\text{g/Kg}$) which is above the typical background level concentration of non-detect (ND) in the native soils in the Burbank area.

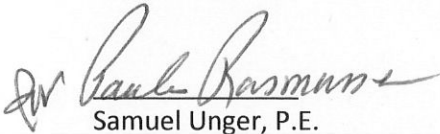
The former responsible party, APW North America, received a Certificate of Completion from the California Environmental Protection Agency in 2002 with respect to volatile organic compounds (VOCs), but not CrVI. The Regional Board is the administering agency of record and has determined the CrVI contamination was not fully investigated prior to the issuance of the certificate of completion for VOCs.

Enclosed is a Regional Board Order requiring the submittal of a technical report pursuant to California Water Code section 13267 (Order). As the current property owner, you are required to comply with the Order to prepare and submit a technical soil investigation work plan to conduct an onsite soil investigation for soil sampling, to evaluate the presence of CrVI beneath the 3-stage clarifier.

You are required to submit the report to the Regional Board by **October 1, 2015**.

If you have any questions regarding this project, please contact **Mr. Larry Moore at (213) 576-6730** (Lawrence.Moore@waterboards.ca.gov or Dr. Arthur Heath at (213) 576-6725 (Arthur.Heath@waterboards.ca.gov)).

Sincerely,

A handwritten signature in dark ink, appearing to read "Samuel Unger", is written over a horizontal line.

Samuel Unger, P.E.
Executive Officer

cc: Mr. Caleb Shaffer, USEPA Region 9
Mr. Gary Riley, USEPA Region 9
Ms. Frances McChesney, SWRCB Office of Chief Counsel
Mr. Leo Chan, City of Glendale
Mr. Bill Mace, City of Burbank Water Supply Department
Mr. Vahe Dabbaghian, Los Angeles Department of Water & Power
Mr. Jonathan Leung, Los Angeles Department of Water & Power
Mr. Richard Slade, ULARA Watermaster
Mr. Donald Nanney, Esq. Gilchrist & Rutter
Mr. Eric Smalstig, Geosyntec Consultants

Los Angeles Regional Water Quality Control Board

**ORDER TO PROVIDE A TECHNICAL REPORT
FOR SUBSURFACE INVESTIGATION
CALIFORNIA WATER CODE SECTION 13267 ORDER NO. R4-2015-0065**

**DIRECTED TO MR. ALAN SKOBIN
NORTHRIDGE PROPERTIES, LLC
777 NORTH FRONT STREET
BURBANK, CA 91502
(WIP NO. 109.6162)**

The California Regional Water Quality Control Board, Los Angeles Region (Regional Board) makes the following findings and issues this Order pursuant to California Water Code (CWC) section 13267, which authorizes the Regional Board to require the submittal of technical and monitoring reports.

1. During the 1998 United States Environmental Protection Agency Superfund investigation, information provided to the California Regional Quality Control Board, Los Angeles Region (Regional Board) from the Upper Los Angeles River Area Watermaster (ULARA) indicated some of the groundwater supply wells in the San Fernando Valley Groundwater Basin (SFVGB) had been contaminated by hexavalent chromium (Cr). Upon receipt of this information, the Regional Board re-evaluated the Chemical Use Questionnaire (CUQ) provided by each facility from the Superfund investigation to determine which facilities stored and/or used chromium compounds, including CrVI.

Based on evaluation of these CUQs, the Regional Board identified 112 sites needing further investigation to determine whether chromium and CrVI in the soil at these sites indicate whether past discharges of waste pose a threat to public drinking water supply wells or may have already polluted groundwater. These investigations are being conducted at each site under a Regional Board order dated March 15, 2004, pursuant to CWC section 13267.

2. California Water Code section 13267 states, in part: (b)(1) In conducting an investigation. . . , the regional board may require that any person who has discharged, discharges, or is suspected of having discharged or, discharging, or who proposes to discharge waste within its region . . . shall furnish, under penalty of perjury, technical or monitoring program reports which the regional board requires. The burden, including costs, of these reports shall bear a reasonable relationship to the need for the report and the benefits to be obtained from the reports. In requiring those reports, the regional board shall provide the person with a written explanation with regard to the need for the reports, and shall identify the evidence that supports requiring that person to provide the reports.
3. The Regional Board finds that the person named herein is discharging, has discharged or is suspected of having discharged or is discharging waste within the Region based on evidence regarding chromium use at 777 North Front Street, Burbank, California (Site) in the following data sources:

- a. **Regional Board Documentation** - The documentation is comprised of technical reports, correspondence, site inspections, and other documents that have been compiled regarding the historical environmental investigations completed at the Site. Furthermore, the documentation includes documents provided to the Regional Board by other public agencies as well as newspaper articles. Aggregately this documentation indicates the extensive use of chromate salts (hexavalent chromium) as part of the aluminum chromate conversion coating operations performed at the former Zero Corporation (Zero Corp.) facility between the 1960s and late 1990s.

In 1975, Zero Corp. was cited by the Department of Health Services (DHS) and the City of Burbank for disposing excess chromium in a wastewater discharge. After an inspection of the Site and housekeeping activities, no further action was recommended by DHS. A land ban generator inspection report was written in August 1988 by DHS which primarily discussed chemical handling and disposal practices. The report did not indicate whether the chemicals had been discharged to the ground nor identify the presence of observed surface chemical staining.

In 1991, the City of Burbank was cited by USEPA for allowing Zero Corp. to exceed discharge limits for chromium, other heavy metals and volatile organic compounds (VOCs) to the Publicly Owned Treatment Works (POTW). These were later discharged to the Burbank Western Channel, which drains to the Los Angeles River, and the Crystal Springs well field.

The former Zero Corp. facility is located within the Burbank Operable Unit (BOU), a region within the San Fernando Valley Superfund Area. From 1920 to 1961, the Site was occupied by General Water Heater Company, and then was purchased by Zero Corp. for use by a division of the company called Zero Enclosures, whose primary business was fabrication of metal enclosures. Six buildings were constructed at the Site to house historical manufacturing operations. In addition to Zero Enclosures' operations, from 1964 to 1973, a part of the Site was leased to Ocean Technology Inc., a subsidiary of Zero Corp., which used the space to manufacture and assemble electronic products.

Zero Corp.'s manufacturing operations were discontinued in December 1991. From that point until 2002, the Site was used for storage (a 1995 city directory shows the occupant as Western Moving & Storage, Inc.) and later as film studios for the entertainment industry. After that time, the Site was unoccupied, with on-site buildings demolished in 2004. Current aerial photographs show that concrete pads and foundations remain on the Site. The Site was sold in 1998 by Zero Corp. to the Ford Leasing Development Company, which sold it to Mr. Alan Skobin and Northridge Properties, LLC (c/o Mr. Alan Skobin), in 2005. A parcel of land adjacent to the Site on the southwest was leased by Zero Corp. from the Southern Pacific Transportation Company for use as chemical storage. This parcel is currently owned by the City of Burbank and was used in part for realignment of Front Street.

Zero Corp.'s manufacturing operations included aluminum case drawing and washing, aluminum alodining (a metal coating process), chromate deoxidizing, steel phosphate coating and chromium sealing. The Zero Corp. facility contained paint booths, a water-based paint shop and drying booth), aluminum machining, etching, deoxidizing and cleaning, aluminum

vapor degreasing, and grinding. During Zero Enclosure's operations, the Site also contained four clarifiers, two underground storage tanks (USTs), two designated chemical storage areas, two paint storage areas, one oil storage area, one acid storage area, one acid/caustic soda storage area, and one hazardous waste staging area. In 1987, the two USTs, which had been used to store unleaded gasoline, were removed from the Site under Los Angeles County Department of Public Works (LACDPW) oversight. A building permit was issued in 1993 for the removal and/or abandonment of clarifiers on the Site. A review of historical information indicates that an industrial waste permit was issued to Zero Corp. in 1967. Wastes generated onsite included acetone, ketones, 1,1,1-Trichloroethane (1,1,1,-TCA), waste oil, waste acids and paint sludges. Hazardous materials used in and/or generated from industrial activities on the Site were stored in the storage areas described above (chemical storage, oil storage, acid storage, acid/caustic soda storage, and hazardous waste staging areas).

- b. **2009 CalTrans Environmental Investigation Report** – the report summarizes the onsite soil sample results from a soil investigation conducted on the property, near the former waste discharge features. The results revealed there were detectable concentrations of CrVI in the soil which exceed the typical background concentration in the native soils in the San Fernando Valley.

The CalTrans investigation also indicated that the shallow soil vapor results for volatile organic compounds (VOCs) such as perchloroethylene (PCE) and trichloroethylene (TCE) exceeded California Human Health Screening Levels (CHHSLs) in the shallow soils. Additionally, the report also suggests that subsurface VOC concentrations have rebounded significantly since the site was remediated in 2001.

NEW INFORMATION

- c. Additional Environmental Protection Agency Remedial Investigation (EPA RI) groundwater monitoring wells PWA-2 and PWA-3 were constructed on Front Street up and cross gradient to the Site. These wells were installed September 2012. Analytical results indicate concentrations of CrVI which are similar to the regional groundwater CrVI plume. The lifespan of the wells may be cut short, as they appear to be located in the new proposed CalTrans I-5 Freeway Widening Construction right of way.
 - d. In 2002, a responsible party for this Site (APW North America, Inc.) was issued a *Certificate of Completion* letter by the Regional Board as the Administering Agency pursuant to California Health and Safety Code §§ 25260 et seq. that addressed volatile organic compounds (VOCs), but not CrVI. Due to the occurrence of CrVI pollution in the regional aquifer providing public water supply, and because the compound was not part of the *Certificate of Completion* as specified in the Health and Safety Code, this action is justified and warranted.
4. This Order identifies Mr. Alan Skobin and Northridge Properties as the entities responsible for the discharges of waste or suspected discharges of waste identified in paragraphs a. through b.

above, because Mr. Skobin and Northridge Properties owns the property on which the waste is or has been discharged.¹

5. This Order requires the persons named herein to prepare and submit a technical report (work plan) to complete the onsite subsurface soil assessment work of the previous soil investigation.
6. The Regional Board needs this information in order to determine the vertical extent of CrVI in former soil boring SS-4 which is located within the area of a particular three-stage clarifier.
7. The burdens, including costs, of these reports bear a reasonable relationship to the need for the reports and the benefits to be obtained from the reports. The information is necessary to assure adequate cleanup of the former Zero Corp. site, which poses significant threats to public health and the environment.
8. The issuance of this Order is an enforcement action by a regulatory agency and is categorically exempt from the provisions of the California Environmental Quality Act (CEQA) pursuant to section 15321(a) (2), Chapter 3, and Title 14 of the California Code of Regulations. This Order requires submittal of technical and/or monitoring reports and work plans. The proposed activities under the work plans are not yet known. It is unlikely that implementation of the work plans associated with this Order could result in anything more than minor physical changes to the environment. If the implementation may result in significant impacts on the environment, the appropriate lead agency will address the CEQA requirements prior to implementing any work plan.
9. Any person aggrieved by this action of the Regional Water Board may petition the State Water Resources Control Board (State Water Board) to review the action in accordance with Water Code section 13320 and California Code of Regulations, title 23, sections 2050 and following. The State Water Board must *receive* the petition by 5:00 p.m., 30 days after the date of this Order, except that if the thirtieth day following the date of this Order falls on a Saturday, Sunday, or state holiday, the petition must be received by the State Water Board by 5:00 p.m. on the next business day. Copies of the law and regulations applicable to filing petitions may be found on the Internet at: http://www.waterboards.ca.gov/public_notices/petitions/water_quality or will be provided upon request.

THEREFORE, IT IS HEREBY ORDERED that Mr. Alan Skobin and Northridge Properties, pursuant to section 13267(b) of the California Water Code, are required to submit the following technical reports:

On or before **October 1, 2015**:

1. A work plan (Technical Report) to complete the onsite soil investigation for CrVI and determine the vertical extent of CRVI contamination in former soil boring SS-4 which is located within the area of

¹ Under precedential Orders issued by the State Water Resources Control Board (State Water Board), Mr. Alan Skobin and Northridge Properties, LLC are liable for the cleanup of wastes at the Site regardless of its involvement in the activities that initially caused the pollution. The discharge of the chemicals did not cease when Zero Corporation vacated the premises. The State Water Board has interpreted the term "discharge" to include not only an active initial release, but also a passive migration of waste. The discharge continues as long as the waste remains in the soil and groundwater at the Site (See State Water Board Orders WQ 86-2 (Zoecon Corporation), WQ- 89-1 (Schmidt), and WQ 89-8 (Spitzer).)

a particular three-stage clarifier.

The guidance document entitled "*General Work Plan Requirements for a Heavy Metal Soil Investigation*" will assist you with this task. Additional information can be found in our guidance manual entitled "*Interim Site Assessment & Cleanup Guidebook (May 1996)*," which can be found at the Regional Board website at the following link:

http://www.waterboards.ca.gov/losangeles/water_issues/programs/remediation/brownfields/RBs%201996%20Guide%20Book1_1.pdf.

http://www.waterboards.ca.gov/losangeles/water_issues/programs/remediation/DocAndInfo/RWQC_B_QAPP_2015_FINAL_03-05-15.pdf

2. Specifically, the Technical Report shall be developed to evaluate the lateral and vertical extent of CrVI in subsurface soils in the area above the referenced three-stage clarifier. Moreover, the Technical Report shall include, but not be limited to the following:
 - a. Completion of one soil boring in the area of the three-stage clarifier;
 - b. The location of the boring will be determined in the field with Regional Board staff present;
 - c. The soil boring will be completed to a depth of at least 50-feet below ground surface (bgs). A determination will be made in the field by Regional Board staff whether the boring should be advanced to a deeper depth. The determination will be based on field observations and professional judgment;
 - d. The soil samples will be collected at 1-foot, 5-foot, and then every 5-feet until the desired depth is attained;
 - e. The soil samples will be analyzed for CrVI by EPA Method 7196;
 - f. Field log sheets will be generated during the completion of the boring; and
 - g. The soil boring activities and sample results will be provided to the Regional Board in a final report, which shall be submitted within 90 calendar days of the completion of the field work.
3. The Technical Report must contain a health and safety plan (H&SP), as per the February 2015 Quality Assurance Project Plan (QAPP) guidelines;
4. The Technical Report shall include the detailed information of former and existing chromium storage, hazardous waste management, and associated practices
5. The Technical Report must include a quality assurance/quality control QA/QC section, which discusses the types of field and laboratory QA/QC samples to be analyzed and how analytical data is validated and how suspect data is merged. For additional procedural information and

QA/QC guidelines refer to the following web link:

**[http://www.waterboards.ca.gov/losangeles/water_issues/programs/remediation/DocAndInfo/RWQC
B_QAPP_2015_FINAL_03-05-15.pdf](http://www.waterboards.ca.gov/losangeles/water_issues/programs/remediation/DocAndInfo/RWQC_B_QAPP_2015_FINAL_03-05-15.pdf)**

The above items shall be submitted to:

Mr. Lawrence Moore
Remediation Section
Los Angeles Regional Water Quality Control Board
320 West 4th Street, Suite 200
Los Angeles, CA 90013
Phone: (213) 576-6730
Email: Lawrence.Moore@waterboards.ca.gov

Pursuant to 13268(a) of the CWC, any person who fails to submit reports in accordance with the Order is guilty of a misdemeanor. Pursuant to section 13268(b) (1) of the CWC, failure to submit the required technical report described above by the specified due date(s) may result in the imposition of administrative civil liability by the Regional Board in an amount up to one thousand dollars (\$1,000) per day for each day the technical report is not received after the above due date. These civil liabilities may be assessed by the Regional Board for failure to comply, beginning with the date that the violations first occurred, and without further warning.

State Water Resources Control Board regulations (Chapter 30, Division 3 of Title 23 & Division 3 of Title 27, and California Code of Regulation) require the electronic submittal of information (ESI) for all site cleanup programs, starting January 1, 2005. Currently, all of the information on electronic submittals and GeoTracker contacts can be found at http://www.waterboards.ca.gov/ust/electronic_submittal.

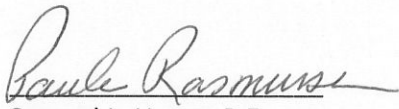
To comply with the above referenced regulation, you are required to upload all technical reports, documents, and well data to GeoTracker by the due dates specified in the Regional Board letters and orders issued to you or for the site. However, we may request that you submit hard copies of selected documents and data to the Regional Board in addition to electronic submittal of information to GeoTracker.

The Regional Board, under the authority given by CWC section 13267, subdivision (b) (1), requires you to include a perjury statement in all reports submitted under the 13267 Order. The perjury statement shall be signed by a senior authorized Company Name representative (not by a consultant). The perjury statement shall be in the following format:

"I, [NAME], certify under penalty of law that this document and all attachments were prepared by me, or under my direction or supervision, in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the

information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

SO ORDERED.

du 

Samuel L. Unger, P.E.
Executive Officer

June 3, 2015

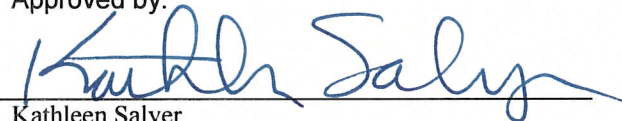
Five-Year Review Report



Second Five-Year Review Report for San Fernando Valley – Area 2 Superfund Site Glendale, Los Angeles County, California

PREPARED BY
United States Army Corps of Engineers
Seattle District
Seattle, Washington

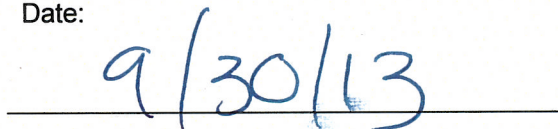
Approved by:



Kathleen Salyer
Assistant Director, Superfund Division
California Site Cleanup Branch

U.S. Environmental Protection Agency Region IX

Date:



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Executive Summary

This is the second Five-Year Review of the San Fernando Valley (SFV) – Area 2 Superfund Site (Site) located in Glendale, California. The purpose of this Five-Year Review is to review information to determine if the remedy is and will continue to be protective of human health and the environment. The triggering action for this Five-Year Review (FYR) was the signing of the previous FYR on September 30, 2008.

The Area 2 Site is about 6 miles long from east to west and about 3 miles wide from north to south. The SFV – Area 2 Site is adjacent to the Los Angeles River. The Site consists of three operable units (OUs), including the Glendale North Operable Unit (GNOU), Glendale South Operable Unit (GSOU), and the Glendale Chromium Operable Unit (GCOU). The GNOU is located at the north end of the Los Angeles River Narrows (where the Los Angeles River turns from an easterly course to run southerly between the Verdugo Mountains to the northeast and the Hollywood Hills to the southwest). The GSOU is located within the Narrows itself (see Figure 1 and Figure 2). The GCOU was established in 2007 to study the distribution of chromium (including hexavalent chromium), metals contamination in groundwater, and to evaluate the risks these contaminants posed to human health and the environment. The GCOU is still in the remedial investigation (RI) phase of the Superfund process.

In 1979, the California Department of Public Health (CDPH), formerly the Department of Health Services (DHS), requested that all major water providers sample and analyze groundwater for contamination as part of a statewide groundwater quality surveillance effort. Trichloroethylene (TCE) was consistently detected in a large number of production wells in the SFV at concentrations greater than the maximum contaminant level (MCL) of 5 parts per billion (ppb). Chlorinated solvents including TCE and perchloroethylene (PCE) were widely used from 1940 to 1967 for dry cleaning and degreasing machinery, and disposal of these solvents was not well-regulated. The SFV Area 2 Site was listed on the National Priorities List in 1986.

The State of California's Los Angeles Regional Water Quality Control Board (LA RWQCB) and, the U.S. Environmental Protection Agency (EPA) split remedial oversight activities in Area 2 with RWQCB responsible for source/facility remediation and the EPA responsible for overseeing groundwater clean-up. EPA supports the RWQCB efforts to identify new sources through a cooperative grant. RWQCB source control investigations include conducting assessments of facilities to determine the extent of VOC solvent usage, past and current chemical handling, storage, and disposal practices. Facilities identified as sources are often ordered to remediate. While most SFV source activities are under the lead of the LA RWQCB, the California Department of Toxic Substances Control (DTSC) also participates in the investigation and oversight of SFV source areas.

The 1993 Records of Decision (RODs) for the GNOU and GSOU select an interim containment remedy to address the volatile organic compound (VOC)-contaminated groundwater plume in the Glendale area. The remedial action objectives for the remedy include:

- Inhibition of vertical and horizontal migration of groundwater contaminants in the North and South Plumes of the Glendale Study Area;
- Removal of contaminant mass from the shallow zone of the aquifer in the North and South Plumes of the Glendale Study Area.

EPA interprets the phrase “inhibition” to mean full hydraulic control of contaminated groundwater. The remedy consists of the following features: 1) four groundwater extraction wells in the GNOU and four groundwater extraction wells in the GSOU; 2) treatment of contaminated groundwater in a 5,000 gallon per minute (gpm) VOC treatment plant located between the two extraction well fields; 3) primary removal of contaminants from the liquid phase using air stripping and polishing by liquid phase granular activated carbon (LPGAC); 4) treatment of the air stream by vapor phase granular activated carbon (VPGAC); and 5) final use of treated water as drinking water. The treatment plant is operated by the Glendale Respondents Group contractor CDM, Smith in cooperation with the City of Glendale (via its contractor). The groundwater treatment system began operations in November 2000.

The extraction and treatment systems are operationally functional and provide clean drinking water to the City of Glendale. The remedial action provides drinking water to the City of Glendale that meets all water quality requirements. There have been no changes in ARARs that would affect the protectiveness of the remedy.

Groundwater model particle tracking and downgradient VOC and metals concentrations, indicate that groundwater contaminants in the North and South Plumes are not completely captured, so contaminant migration is not inhibited. The installation of additional extraction well(s) is needed to fully achieve plume capture and containment.

The California Department of Public Health (CDPH) released a draft MCL for hexavalent chromium of 10 ppb in August 2013. A new MCL for hexavalent chromium may affect the duration and effectiveness of the current remedy and/or the treatment technology being used if the system cannot treat hexavalent chromium to the required level.

This FYR, in contrast to previous FYRs, undertook an evaluation of the potential for regional groundwater vapor intrusion to impact protectiveness at the site. The potential for occurrences of vapor intrusion was determined using EPA’s Vapor Intrusion Screening Level Calculator with groundwater depth and volatile organic compound (VOC) concentrations as inputs. Calculator results showed there is the potential for a vapor intrusion exposure pathway in Area 2. Field data needed to make a determination on the existence of such pathways has yet to be gathered; therefore an overall protectiveness determination for this FYR cannot be made at this time and is thus deferred.

A protectiveness determination of the remedy for Area 2 cannot be made at this time until further information is obtained on regional groundwater vapor intrusion pathways. It is expected that a vapor intrusion investigation will be completed within a five year period. Following the completion of the investigation of regional groundwater vapor intrusion pathways, a protectiveness determination will be made. In addition, to be protective in the long term, complete hydraulic capture of the plume must be established.

Five-Year Review Summary Form

SITE IDENTIFICATION		
Site Name: San Fernando Valley (Area 2) Superfund Site		
EPA ID: CAD980894901		
Region: 9	State: CA	City/County: Glendale, Burbank, Los Angeles/Los Angeles County
SITE STATUS		
NPL Status: Final		
Multiple OUs? Yes	Has the site achieved construction completion? No	
REVIEW STATUS		
Lead agency: EPA If "Other Federal Agency" was selected above, enter Agency name:		
Author name (Federal or State Project Manager): ZiZi Searles		
Author affiliation: EPA		
Review period: January 2013 – September 2013		
Date of site inspection: 28 February 2013		
Type of review: Statutory		
Review number: 2		
Triggering action date: 09/30/2008		
Due date (five years after triggering action date): 09/30/2013		

Five-Year Review Summary Form (continued)

Issues/Recommendations				
OU(s) without Issues/Recommendations Identified in the Five-Year Review:				
None				
Issues and Recommendations Identified in the Five-Year Review:				
Affect Current Protectiveness	Affect Future Protectiveness	Implementing Party	Oversight Party	Milestone Date
Yes*	Yes	EPA	EPA	09/2018
OU(s): GNOU, GSOU	Issue Category: Monitoring Issue: The vapor intrusion pathway of the regional groundwater has not been evaluated for the Area 2 Site. Recommendation: Complete a regional groundwater evaluation of the potential for vapor intrusion at the San Fernando Valley Area 2 Superfund Site.			

* The CERCLIS database only accepts "Yes" or "No" entries regarding whether an issue affects current or future protectiveness. However, this protectiveness determination has been deferred because there is not enough information to make the determination. For the purposes of the CERCLIS database, a "defer" determination is equivalent to "yes" entry.

Issues/Recommendations				
Issues and Recommendations Identified in the Five-Year Review:				
Affect Current Protectiveness	Affect Future Protectiveness	Implementing Party	Oversight Party	Milestone Date
No	Yes	EPA	EPA	9/2016
OU(s): GNOU, GSOU	Issue Category: Remedy Performance Issue: The remedy is not fully capturing and containing groundwater contamination. Recommendation: Evaluate installation and operation of new wells to achieve plume capture and containment.			
Protectiveness Statement(s)				
Operable Unit: Glendale North Operable Unit	Protectiveness Determination: Protectiveness Deferred	Addendum Due Date (if applicable): Click here to enter date.		
Protectiveness Statement: <p>A protectiveness determination of the remedy for the GNOU cannot be made at this time until further information is obtained. Further information will be obtained by evaluating the regional groundwater vapor intrusion pathway in Area 2. It is expected that a vapor intrusion investigation will take approximately five years, at which time a protectiveness determination will be made. In addition, to be protective in the long term, complete hydraulic capture of the plume must be established.</p>				

Operable Unit: Glendale South Operable Unit	Protectiveness Determination: Protectiveness Deferred	Addendum Due Date (if applicable): Click here to enter date.
Protectiveness Statement: <p>A protectiveness determination of the remedy for the GSOU cannot be made at this time until further information is obtained. Further information will be obtained by evaluating the regional groundwater vapor intrusion pathway in Area 2. It is expected that a vapor intrusion investigation will take approximately five years, at which time a protectiveness determination will be made. In addition, to be protective in the long term, complete hydraulic capture of the plume must be established.</p>		

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List of Abbreviations

µg/L	micrograms per liter
acre-ft	acre foot/feet
AOC	Administrative Order on Consent
ARAR	Applicable or Relevant and Appropriate Requirements
BACT	Best available control technology
bgs	below ground surface
CAO	Cleanup and Abatement Order
CCR	California Code of Regulations
CDPH	California Department of Public Health
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CERCLIS	Comprehensive Environmental Response, Compensation, and Liability Information System
CFR	Code of Federal Regulations
COC	Contaminant of Concern
DCA	Dichloroethane
DCE	Dichloroethylene
DHS	California Department of Health Services
DTSC	California Department of Toxic Substances Control
EPA	Environmental Protection Agency
EWEP	Extraction Well Evaluation Program
EWER	Extraction Well Evaluation Results
FFS	Focused Feasibility Study
FYR	Five-year review
GAC	Granular activated carbon
GCOU	Glendale Chromium Operable Unit
GNOU	Glendale North Operable Unit
GOU	Glendale Operable Unit
gpm	gallons per minute
GRG	Glendale Respondents Group
GSOU	Glendale South Operable Unit
GWTP	Glendale Water Treatment Plant
IRIS	Integrated Risk Information System
LADWP	Los Angeles Department of Water and Power
LAGWRP	Los Angeles-Glendale Water Reclamation Plant
LPGAC	Liquid-phase granular activated carbon
MCL	Maximum contaminant level
msl	mean sea level
MWD	Metropolitan Water District
NCP	National Contingency Plan
NDMA	N-Nitrosodimethylamine
NPL	National Priorities List
OU	Operable Unit
PCE	Perchloroethylene
ppb	parts per billion
RA	Remedial Action
RAO	Remedial Action Objectives
RCF	Reduction/Coagulation/Filtration
RCRA	Resource Conservation and Recovery Act

RI/FS	Remedial Investigation/Feasibility Study
ROD	Record of Decision
RWQCB	Los Angeles Regional Water Quality Control Board
SAL	State Action Level
SCAQMD	South Coast Air Quality Management District
SFV	San Fernando Valley
SOW	Statement of Work
TBC	To-Be-Considered
TCA	Trichloroethane
TCE	Trichloroethylene
TCP	Trichloropropane
TM	Technical memorandum
ULARA	Upper Los Angeles River Area
USACE	United States Army Corps of Engineers
VOC	Volatile organic compound
VPGAC	Vapor-phase granular activated carbon
WBA	Weak-base anion exchange

Second Five-Year Review Report for San Fernando Valley – Area 2 Superfund Site

1. Introduction

The purpose of a Five-Year Review (FYR) is to evaluate the implementation and performance of a remedy in order to determine if the remedy will continue to be protective of human health and the environment. The methods, findings, and conclusions of FYRs are documented in five-year review reports. In addition, FYR reports identify issues found during the review, if any, and document recommendations to address them.

The U.S. Environmental Protection Agency (EPA) prepares FYRs pursuant to the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Section 121 and the National Contingency Plan (NCP). CERCLA 121 states:

“If the President selects a remedial action that results in any hazardous substances, pollutants, or contaminants remaining at the site, the President shall review such remedial action no less often than each five years after the initiation of such remedial action to assure that human health and the environment are being protected by the remedial action being implemented. In addition, if upon such review it is the judgment of the President that action is appropriate at such site in accordance with section [104] or [106], the President shall take or require such action. The President shall report to the Congress a list of facilities for which such review is required, the results of all such reviews, and any actions taken as a result of such reviews.”

EPA interpreted this requirement further in the NCP; 40 Code of Federal Regulations (CFR) Section 300.430(f)(4)(ii), which states:

“If a remedial action is selected that results in hazardous substances, pollutants, or contaminants remaining at the site above levels that allow for unlimited use and unrestricted exposure, the lead agency shall review such actions no less often than every five years after the initiation of the selected remedial action.”

The United States Army Corps of Engineers (USACE) conducted the FYR and prepared this report regarding the remedy implemented at the San Fernando Valley (SFV) Area 2 Superfund Site (SFV Area 2 Site or Site) in Los Angeles County, California. EPA is the lead agency for developing and implementing the remedy for the Site. The California Department of Toxic Substances Control and the Los Angeles Regional Water Quality Control Board (RWQCB), as the support agencies representing the State of California, have reviewed all supporting documentation and provided input to EPA during the FYR process.

This is the second FYR for the SFV Area 2 Site. The triggering action for this statutory review is the previous FYR. The FYR is required due to the fact that hazardous substances, pollutants, or contaminants remain at the site at levels above those that would allow for unlimited use and unrestricted exposure.

The SFV Area 2 Site (Figure 1) consists of three groundwater Operable Units (OUs): Glendale North Operable Unit (GNOU), Glendale South Operable Unit (GSOU), and Glendale Chromium Operable Unit (GCOU). Collectively, the three OUs are referred to as the Glendale Operable Unit (GOU).

The GNOU is located adjacent to and north of the Los Angeles River. The GSOU is located in the Los Angeles Narrows itself (see Figure 1 and Figure 2). Each of these two OUs has an extraction system consisting of four wells for eight total extraction wells. Water from the extraction wells is pumped to the Glendale Water Treatment Plant (GWTP), which is located between the GNOU and GSOU well fields. The GWTP utilizes air stripping, liquid-phase granular activated carbon (LPGAC), and vapor-phase GAC (VPGAC) for VOC treatment. In 2007, EPA established the GCOU to study the distribution of chromium (including hexavalent chromium) and metals contamination in groundwater in Area 2 and to evaluate potential associated unacceptable risks to human health and the environment.

This FYR primarily addresses the GNOU and the GSOU, and partly addresses the GCOU. The GCOU is in the remedial investigation (RI) stage; hence, this OU has no implemented remedy available for review at this time.

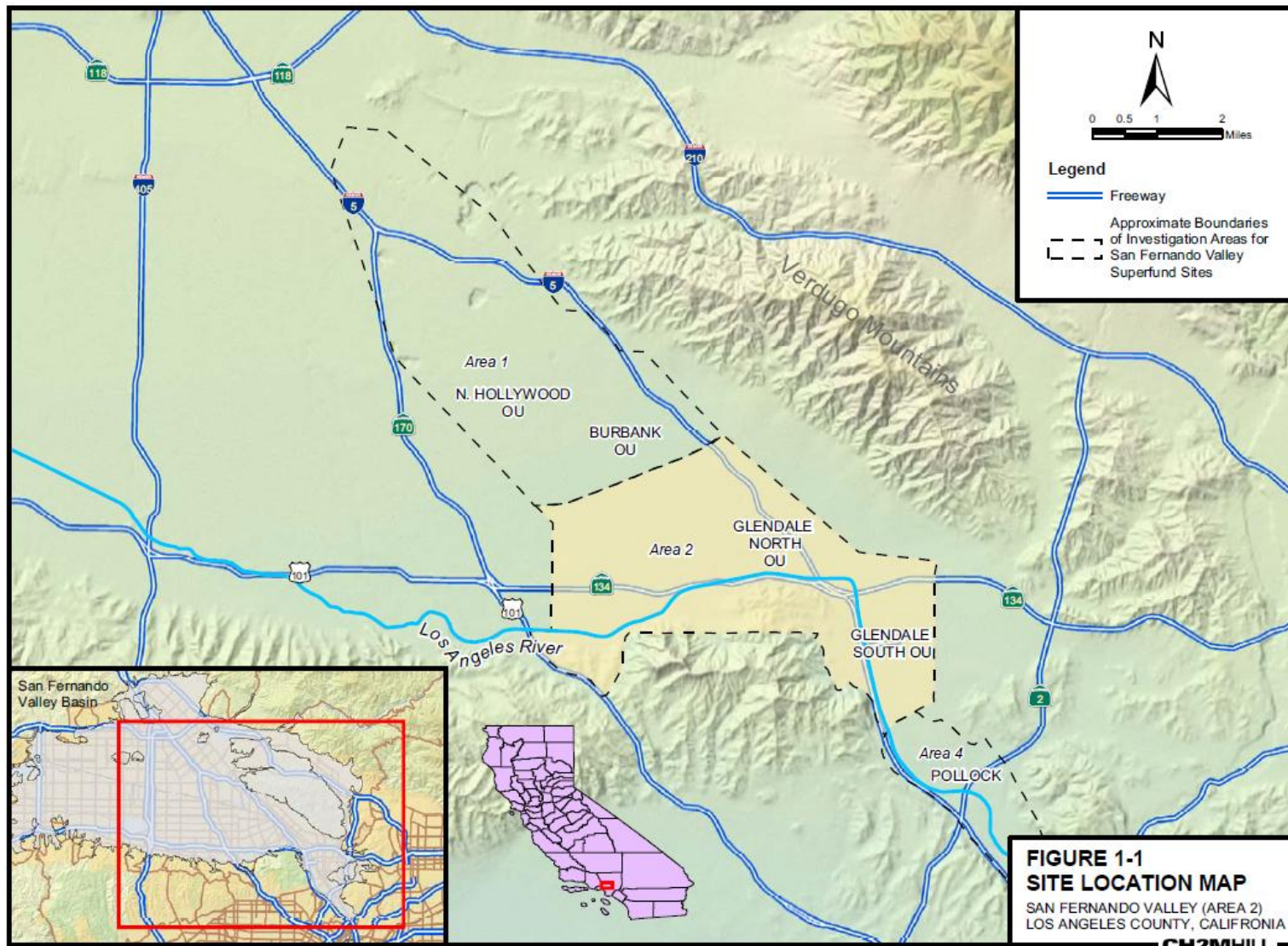


Figure 1. Location Map for the SFV Area 2 Superfund Site

2. Site Chronology

Table 1 lists the dates of important events for the SFV Area 2 Superfund Site.

Table 1. Chronology of Site Events

Event	Date
The California Department of Health Services (DHS; now the California Department of Public Health) detected trichloroethylene (TCE), perchloroethylene (PCE), and other volatile organic compounds (VOCs) in a large number of production wells at levels exceeding their respective maximum contaminant levels (MCLs) and/or State Action Levels (SALs); those wells were removed from service. Alternative water supply was obtained from the Metropolitan Water District (MWD) where needed.	1979-1980
The Los Angeles Department of Water and Power (LADWP) completed the Groundwater Management Plan – San Fernando Valley Basin. The study detected widespread VOC contamination in the eastern San Fernando Valley and also located a contaminant plume migrating to the southeast at 300 feet per year.	July 1983
San Fernando Valley Areas 1, 2, 3, and 4 were listed on the National Priorities List (NPL).	1986
A basin-wide remedial investigation/feasibility study (RI/FS) was initiated under LADWP lead.	1987
The RWQCB issued Cleanup and Abatement Order No. 87-161 directing Lockheed to implement specific assessment and remediation tasks at its B1 Plant near Building 175 in Burbank, CA.	December 1987
The RI for the entire San Fernando Valley was completed (including Area 2).	April 1992
Records of Decision (RODs) were signed for Glendale North and South Operable Units (OUs).	June 1993
Well construction was started.	November 1997
Glendale water treatment plant (GWTP) construction was started.	July 1998
The City of Glendale (City) initiated the application process pursuant to DHS Policy 97-005 for the Glendale Treatment Plant.	November 1998
EPA initiated a chromium source investigation by providing funds to RWQCB to investigate 4,040 potential chromium users in the SFV.	January 1999
The Offices of Environmental Health Hazard Assessment of California EPA formally adopted a public health goal for total chromium of 2.5 µg/L, with 0.2 µg/L for hexavalent chromium assumed as part of the goal.	February 1999
The GWTP began Operation in “start-up” mode (except for well GS-1; the DHS permit did not allow operation of GS-1; thus, full operation was not achieved).	August 1, 2000
Glendale Respondents Group and EPA sign GSOU and GCOU CDs	November 2000
The City of Glendale has been responsible for day-to-day operations of the GOU treatment facility since they assumed responsibility as the operator in March 2001.	March 2001
Well GS-1 began operation after DHS approved City of Glendale’s focused 97-005 application. Full operation was achieved.	June 6, 2002
The City proposed new pumping rates for GS-3 and other extraction wells (“alternative pumping scheme”) to moderate chromium concentrations.	August 2002
The City initiates bench-scale study of chromium treatment technologies.	Late 2002
The City performed capture analysis to demonstrate their alternative pumping scheme could provide equal containment to treatment plant operation at design flows. EPA approved the alternate pumping scheme.	May 2003
EPA assigned contractor support staff to the Los Angeles Regional Water Quality Control Board (RWQCB) for investigation of chromium-related sites.	June 2003

Event	Date
EPA performed a modeling study for chromium fate and transport.	April 2004
RWQCB completed the Chromium Investigation: San Fernando Valley Phase 1- Inspections Final Report. Further assessment was recommended for 105 sites. RWQCB issued seven Cleanup and Abatement Orders.	August 2004
The well screen in well GN-3 failed; the well was offline for about 21 months.	March 2005
City conducted batch pilot tests on various chromium treatment technologies.	Early 2006
EPA established the GCOU to study the distribution of hexavalent chromium contamination in groundwater and to evaluate potential associated unacceptable risks to human health and the environment.	2007
RWQCB revised the general permit, thereby lowering the limit for hexavalent chromium to 8 ppb for discharge to the river	June 2007
EPA approved alternate pumping of wells GS-3 and GN-3 (the two highest chromium wells) to aid compliance with the new hexavalent chromium limit for river discharge.	June 2007
The City conducted a pilot test (continuous flow) of a Reduction/Coagulation/Filtration (RCF) process.	February 2008
EPA approved a modification to the Statement of Work of the Consent Decree to allow construction of demonstration projects for hexavalent chromium treatment at the Glendale OU (GOU).	August 2008
EPA approved the final design/build proposal for two demonstration projects for chromium treatment: a) RCF, and b) weak-base anion exchange (WBA).	September 2008
The first FYR for the SFV Area 2 Superfund Site was completed.	September 2008
The City prepared an extraction well evaluation plan to evaluate and maintain the wells to avoid unplanned outages similar to the outage of well GN-3 for screen failure.	2009
RCF demonstration project was implemented at well GN-3.	April 2010
WBA demonstration project was implemented at well GS-3.	May 2010
Glendale Respondents Group agrees perform a FFS as additional work under the 2000 CDs in order to update and revise the groundwater remedy at the San Fernando Valley ("SFV") Area 2 Superfund Site, Glendale North and South Operable Units (collectively, the "GOU")	August 2010
EPA initiated a remedial investigation (RI) of chromium in groundwater in the GCOU.	2011
The EPA entered into an Administrative Order on Consent with GCOU Respondents to perform part of the RI work.	2011
CH2M Hill submitted the final RI Work Plan for the GCOU to EPA.	April 2012
RCF operation ceased.	July 2012
A splitter pipe was installed to allow splitting of plant influent to allow for the GWTP to operate during well rehabilitation.	February 2013

3. Background

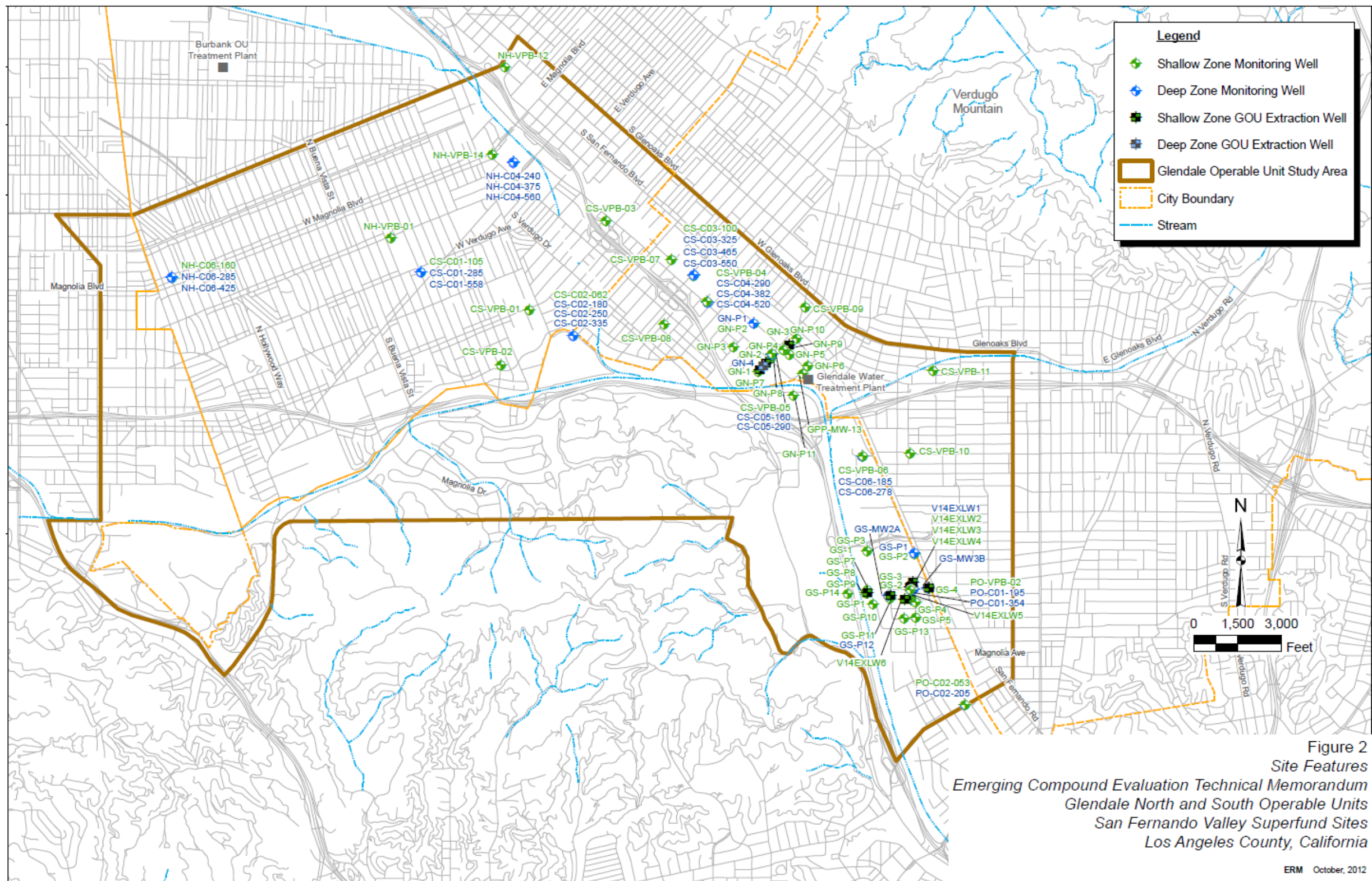
3.1. Physical Characteristics

The SFV Area 2 Site is located within the San Fernando Basin. This area includes the western portion of the City of Glendale and portions of the City of Los Angeles and Burbank. Glendale North and South Operable Units (OUs), the primary focus of this FYR, are located within Area 2 (Figure 1). The Glendale Chromium OU (GCOU), also within Area 2, is discussed separately in this FYR.

The San Fernando Basin is located within the Upper Los Angeles River Area (ULARA), which consists of the entire watershed of the Los Angeles River and its various tributaries. The San Fernando Basin covers approximately 122,800 acres. The basin is approximately 23 miles long in an east-west direction and up to approximately 12 miles wide in a north-south direction. The elevation of the Los Angeles River valley floor slopes from 1,100 feet above mean sea level (msl) in the northwestern portion of the valley to approximately 350 feet above msl near the southern portion of the Los Angeles Narrows. The valley is bounded on the northeast by the San Gabriel Mountains with the Verdugo Mountains to the southeast, on the north and northwest by the Santa Susana Mountains, on the west by the Simi Hills, and on the south by the Santa Monica Mountains.

The GOU is located south and down-gradient of the SFV Area 1 Superfund Site in the southeastern portion of the San Fernando Basin and north of the Pollock Area. Within Area 2, the Los Angeles River turns southward from its west to east course. The GOU is about 6 miles long from east to west and about 3 miles wide from north to south. The SFV Area 2 Site is adjacent to the Los Angeles River. The GNOU is located at the north end of the Los Angeles River Narrows, and the GSOU is located within the Narrows, to the east of the river, and north of Los Angeles.

A single treatment facility for both the GNOU and GSOU is located in Glendale. There are eight extraction wells associated with the Glendale Water Treatment Plant (Figure 2).



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3.2. Hydrology

The uplands surrounding the SFV are comprised of crystalline and sedimentary rocks. Quaternary alluvium up to 2,000 feet thick was derived by erosion of the surrounding uplands (RWQCB 2002). Lateral zonation is present due to the changes in the pattern of deposition of the Tujunga fan at the northeast corner of the SFV.

Groundwater in the eastern SFV occurs primarily in alluvial valley-fill deposits of Quaternary age, eroded from the adjacent San Gabriel and Verdugo Mountains. The valley fill is estimated to be at least 1,200 feet thick in places, and is bounded to the east and at depth by granitic and metamorphic bedrock of low permeability. The valley-fill deposits of the eastern SFV are relatively permeable and have been subdivided into four distinct lithologic/aquifer zones as follows (James M. Montgomery, Inc. 1992):

- Upper Zone (0-250 ft bgs) – The Upper Zone consists of layers and lenses of silt, sand, and gravel from land (ground) surface to a depth of approximately 250 feet below land surface (below ground surface, or bgs). According to aquifer tests conducted during the SFV RI in the North Hollywood and Crystal Springs Study Areas, hydraulic conductivities in the Upper Zone range from about 30 to 360 feet per day (ft/day).
- Middle Zone (250-300 ft bgs) – The Middle Zone is approximately 50 feet thick and contains increased proportions of fine-grained sand and silt compared to the other zones. Because of its fine-grained nature and anticipated poor yield characteristics, few production wells have been completed in this zone. The Middle Zone appears to grade to coarser-grained deposits in the GSOU, where the Upper and Middle Zones become difficult to distinguish lithologically.
- Lower Zone (300-550 ft bgs)– The Lower Zone consists of interbedded sand, silt, and gravel, with cobbles in the upper portion. Thickness of this zone is estimated to be 200 to 250 feet, and hydraulic conductivity ranges from 130 to 900 ft/day. Most of the groundwater pumped from the eastern SFV is pumped from this highly productive zone.
- Deep Zone (550+ ft bgs) – Where encountered during drilling, the Deep Zone consists mainly of fine-grained, relatively low-permeability sediments, including silt and clay. Few wells have penetrated this zone; therefore, thickness and hydraulic characteristics of this zone are poorly understood.

Depths to groundwater measured at monitoring wells in the eastern SFV range from approximately 30 to 200 feet bgs (CH2M Hill 2003). Therefore, groundwater is typically first encountered in the Upper Zone; the Middle, Lower, and Deep zones are believed to be fully saturated through most of the study area. The water table or potentiometric surface typically occurs within the Upper or Middle zone of the regional aquifer. Groundwater levels at these monitoring wells have commonly declined approximately 30 feet since the mid-1990s, resulting from several factors, including: (1) large-scale groundwater withdrawals, (2) less-than-average precipitation during the past decade, and (3) an approximate 70 percent reduction in the amount of groundwater recharged through spreading.

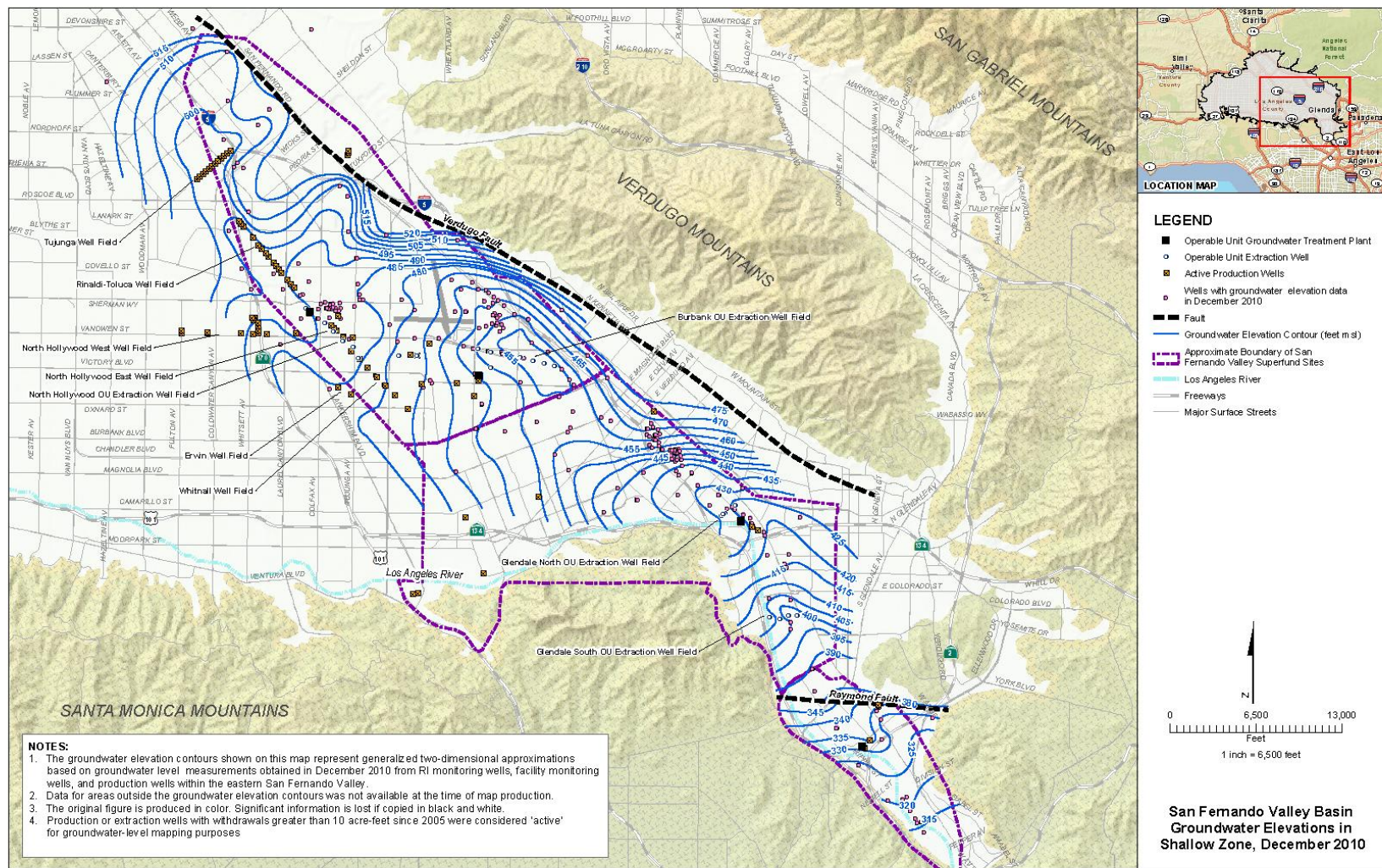
For the purposes of differentiating groundwater elevations and the distribution of chemicals of concern (COC) with respect to depth, USEPA designated wells screened within 50 feet of the water table as

“Shallow Zone” wells, and wells screened greater than 50 feet of the water table as “Deep Zone” wells. These hydrological designations should not be confused with the lithological designations of the Upper, Middle, Lower, and Deep Regional Zones (ERM 2011).

Horizontal hydraulic gradients in the GOU are generally southeast toward the Los Angeles River Narrows, where essentially all groundwater and surface water outflow from the SFV occurs (Figure 3). Localized deviations to this pattern occur in the vicinity of pumping wells at several locations in the study area, and a large cone of depression is present in the Burbank OU to the northwest.

Groundwater flow velocities in the eastern SFV are estimated by the ULARA Watermaster to range from approximately 300 to 1,300 feet per year (ft/yr), depending on location (Upper Los Angeles River Area Watermaster 2012). Groundwater flow velocities are highest in the in the Glendale South OU and Los Angeles River Narrows area.

Vertical hydraulic gradients in the eastern SFV generally are much smaller than horizontal gradients, but can be strongly influenced in the vicinity of well fields by groundwater withdrawals (James M. Montgomery, Inc. 1992). Extraction wells in the Glendale and Burbank OUs are mostly screened in the lower portion of the Upper Zone, and for this reason, upward gradients from the Middle and Lower zones are assumed to occur near these well fields. However, the SFV RI concluded that the relatively fine-grained, low-permeability nature of the Middle Zone impedes movement of groundwater between the Upper and Lower zones in much of the eastern SFV. Deposits that comprise the Middle Zone become coarser in the GSOU and in the Los Angeles River Narrows, making the Middle Zone less distinct hydraulically from the Upper and Lower zones. In this area, the Middle Zone probably does not substantially impede vertical groundwater movement.



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Figure 3. Groundwater Elevation Contours December 2010 (CH2M Hill 2010).

3.3. Land and Resource Use

The Site and its vicinity encompass an area of urban mixed land use. The area supports industrial, light industrial, low-high density residences, recreational, retail, and commercial land use. The Site consists of parts of the Cities of Glendale, Burbank, and Los Angeles.

The San Fernando Basin is a significant source of drinking water, with an estimated volume of 3 million acre-feet of groundwater stored in the aquifer within the alluvial fill of the basin. Groundwater as a source of drinking water is utilized by the Cities of Burbank, Glendale and Los Angeles and historically have accounted for between 15 and 50 percent of the water needs. Groundwater extractions from the San Fernando Basin typically provide up to 25 percent of the annual average water supply for Glendale's 191,000 residents..

3.4. History of Contamination

In 1979, the California Department of Public Health (CDPH), formerly the Department of Health Services (DHS), requested that all major water providers sample and analyze groundwater for contamination as part of a statewide groundwater quality surveillance effort. TCE was consistently detected in a large number of production wells in the SFV at concentrations greater than the MCL. Chlorinated solvents including TCE and PCE were widely used from 1940 to 1967 for dry cleaning and degreasing machinery, and disposal of these solvents was not well-regulated.

The SFV Area 2 Site includes two portions of the aquifer where high concentrations of contaminants have been identified: the North Plume and the South Plume. Although contamination has been detected throughout the Site in an apparently contiguous plume, differences exist between the North Plume and South Plume, including the types of contaminants detected and the concentrations of the contaminants. An area of lower-level groundwater contamination separates the Glendale North and South Plumes. Plume maps and well data charts in section 6.4.1 (Figure 4 through Figure 15) show the known extent of contaminants of concern (COCs) in the SFV in the area of the GOU. The SFV Area 2 Site was listed on the NPL in 1986 (along with Areas 1, 3, and 4).

3.5. Initial Responses

In 1980, the Los Angeles Department of Water and Power (LADWP) commenced a two-year study to define the extent of groundwater contamination in the SFV. The results of the study, published in 1983, revealed widespread VOC-contaminated groundwater in the SFV, specifically a contaminant plume migrating to the southeast at a rate of 300 ft/yr. These findings resulted in a number of municipal supply wells for the cities of Los Angeles, Burbank, and Glendale being taken out of service. Water for the City of Glendale was purchased as needed from the Metropolitan Water District (MWD) of Southern California.

As part of the GCOU RI and GOU FFS 40 additional monitoring wells have been installed and pump-tests have been performed on existing extraction wells further refining the nature and extent of contamination and the conceptual site model.

The original COCs for the SFV Area 2 Site were TCE and PCE. The presence of TCE, PCE, in groundwater at concentrations greater than the MCL provided the original basis for taking action under CERCLA. In the past 15 years EPA is also concerned with preventing exposure to other groundwater COCs such as perchlorate, chromium (especially hexavalent chromium), 1,4 dioxane, and Trichloropropane (TCP). Possible routes of exposure to COCs include ingestion, inhalation, and dermal contact.

The most prevalent groundwater contaminants in the SFV were found to be TCE and PCE. In 1992, the highest concentrations of TCE and PCE detected in EPA monitoring wells in the SFV were 1,700 micrograms per liter (µg/L) and 160 µg/L, respectively. A basin-wide RI was completed in 1992, and 87 groundwater monitoring wells were installed throughout the eastern SFV. The 1992 Basinwide RI provided the baseline assessment for the extent of contamination in all Areas of the SFV. Since the 1992 RI, additional monitoring and characterization have taken place in Area 2, especially in the past 10 years. As part of the GCOU RI and GOU FFS 40 additional monitoring wells have been installed and pump-tests have been performed on existing extraction wells further refining the nature and extent of contamination and the conceptual site model.

Due to the large area and complexity of the site EPA shares oversight responsibilities with the State of California. Pursuant to cooperative Agreement, EPA oversees the remediation of groundwater while the State of California oversees the remediation of sources. From the late 1980s to the present, EPA has provided a grant to the Los Angeles Regional Water Quality Control Board (RWQCB) to conduct assessments of facilities in the SFV to determine the extent of VOC solvent, and more recently metals usage at facilities to assess past and current chemical handling, storage, and disposal practices. These investigations were conducted pursuant to the RWQCB's Well Investigation Program and resulted in source remediation activities at facilities within the SFV where the release of solvents had occurred. The cooperative grant with the RWQCB remains ongoing, facilitating source investigations and remediation activities in progress. Although EPA does not have a cooperative grant with the California Department of Toxic Substances Control (DTSC), DTSC is overseeing clean-up at selected sites in the SFV.

In 1999, EPA provided funds to the RWQCB to investigate potential chromium sources in the SFV. In November 2002, the RWQCB released the findings from its investigation of more than 4,000 potential chromium sources, recommending further assessment of 105 sites. Of these 105 sites identified in the RWQCB study, 7 facilities in the SFV were given Cleanup and Abatement Orders (CAOs) from the RWQCB. In 2007, based on the RWQCB and subsequent EPA investigation results, EPA established the Glendale Chromium Operable Unit (GCOU) to study the distribution of hexavalent chromium contamination in groundwater and to evaluate potential associated unacceptable risks to human health and the environment. Other potential chromium groundwater contaminant sources in the SFV are being evaluated by RWQCB, DTSC, and EPA. EPA completed removal actions on two facilities; one in December 2007 and the other in 2010.

4. Remedy Selection

The 1993 RODs for the GNOU and GSOU selected interim remedies to address the VOC-contaminated groundwater plume in the Glendale area. The remedial action objectives (RAOs) for GNOU and GSOU were presented in the RODs as follows:

- To inhibit vertical and horizontal migration of groundwater contaminants in the North and South Plumes of the Glendale Study Area; and
- To begin to remove contaminant mass from the upper zone of the aquifer in the North and South Plumes of the Glendale Study Area.

EPA interprets the phrase “inhibition” to mean full hydraulic control of contaminated groundwater. EPA’s expectation in its first remedial action objective is that the contamination will be hydraulically contained and not migrate to areas not previously impacted.

The RODs selected groundwater extraction, treatment of VOCs by air stripping and liquid phase granular activated carbon (LPGAC), blending to meet the nitrate MCL, and conveyance to a public water distribution system. In addition, the RODs stated the air stream resulting from air stripping will be treated using vapor-phase GAC (VPGAC) to ensure that air emissions meet Federal air quality standards as regulated by the South Coast Air Quality Management District (SCAQMD). The RODs selected a combined treatment system (a single treatment plant [GWTP]) for both OUs.

4.1. *Remedy Implementation*

The GNOU and GSOU remedy construction occurred from 1997 to 2000 and included:

- Installation of eight extraction wells, (four wells each in the north and south wellfields , GN-1 through GN-4 and GS-1 through GS-4), capable of producing a total of 5,000 gallons per minute (gpm)
- Conveyance piping from extraction wells to the groundwater treatment facility
- Design and construction of the groundwater treatment facility capable of treating 5,000 gpm
- Conveyance piping of treated water from the groundwater treatment facility to the City of Glendale Grandview Reservoir
- Conveyance piping for discharge of treated water to the Los Angeles River during routine maintenance or in the event of a system malfunction

Four of the extraction wells are located in the GNOU, and four are located in the GSOU. Seven of the wells were completed in the Shallow Zone (approximately 200 feet deep) and one well (GN-4) was completed in the Deeper Zone (approximately 400 feet deep). Wellhead facilities for each extraction well consist of a pump and appurtenances to accomplish pumping to the GWTP.

The treatment facility is composed of two single-stage packed air strippers, eight 20,000-pound (lb) LPGAC units (operated in parallel), and six 10,000-lb VPGAC vessels (two trains of three VPGAC units operated in parallel; one train per air stripper). Groundwater from the transmission pipelines flows

directly into two single-stage packed air strippers for VOC removal. The water is collected at the bottom of each air stripper and pumped into LPGAC vessels where residual VOCs are adsorbed. The water pumped through the LPGAC units is disinfected and delivered to the City of Glendale for transmission to the Grandview Reservoir. The off-gases from the air strippers are treated by passing them through the VPGAC vessels. As the off-gases pass through the VPGAC vessels, VOCs are adsorbed onto the GAC, and the treated air is released through discharge stacks.

The interim remedy began initial operation in August 2000, and all extraction wells were operational by 2002.

4.2. Operation and Maintenance (O&M)

The City of Glendale (via its contractor CDM Smith) is conducting long-term monitoring and maintenance activities for the GOU according to the Revised O&M Manual (CDM 2003). CDM provides monthly operations reports to EPA, the City of Glendale, DTSC, RWQCB, ULARA Watermaster, and other parties detailing the scheduled and unscheduled maintenance; volumes of water extracted, treated, and discharged; contaminant concentrations in extraction wells, plant influent, and plant effluent; and estimated VOC mass removal.

From 2008-2012, frequent scheduled maintenance activities included carbon replacement, air filter replacement, carbon bed expansions, cleaning or installing disinfectant injection components, instrument calibration, flow meter replacement, pump lubrication, piezometer sampling, safety inspections, equipment inspections, and other preventative maintenance. Common occurrences that resulted in unscheduled maintenance included communication issues with extraction wells and well failure due to power conditions. Significant O&M activities over the same period included:

- Installing and testing a new sodium hypochlorite (NaOCl) storage tank (November 2008-January 2009) in response to a leak in September 2008. 2008 maintenance reports indicate a leak was detected in the NaOCl tank on 9/10/2008, with the contents being transferred to temporary totes (all leakage contained). Several scheduled maintenance activities over the months from November 2008 - January 2009 indicate the installation and testing of a new tank.
- Well rehabilitation for GN-4 (2009) and GS-2 (2011)
- Setup and testing of the demonstration scale hexavalent chromium removal treatment systems the WBA (GS-3) and RCF (GN-3) from December 2009 – April 2010; startup of WBA in March 2010 and RCF in April 2010
 - Formaldehyde was found to be associated with the resin product after the initial flushing of the W. BA system. Initial flushing water is now stored in large tanks on site for biological treatment.

Annual O&M costs for the GOU from January 2010 through December 2012 are shown in Table 2.

Table 2. Annual O&M Costs

Date Range	Total Cost (rounded to the nearest \$1,000)
January – December 2010	\$2,917,000
January – December 2011	\$3,224,000
January – December 2012	\$3,158,000

5. Progress Since the Last Five-Year Review

5.1. Previous Five-Year Review Protectiveness Statement and Issues

The protectiveness statement from the 2008 FYR for the SFV Area 2 Site stated the following:

“The interim remedies at the San Fernando Valley, Area 2, Superfund Site are protective of human health and the environment because all exposure pathways are currently being controlled. To be protective in the long-term, the operational problems due to the chromium discharge limit and their effect on plume containment must be addressed.”

The 2008 FYR included one issue and recommendation. The recommendation and the current status are discussed below.

Table 3. Status of Recommendations from the 2008 FYR

Issues from previous FYR	Recommendations	Party Responsible	Milestone Date	Action Taken and Outcome	Date of Action
Reduced pumping of two extraction wells due to high chromium concentrations has caused some loss of plume capture and migration of VOCs	Complete the Chromium Demonstration Project	City of Glendale	January 2009	WBA and RCF selected for pilot- and demonstration-scale testing	Ongoing

Weak-base anion exchange (WBA) and reduction, coagulation, and filtration (RCF) were selected as alternative treatments for pilot and demonstration scale testing. WBA was installed to treat groundwater pumped from GS-3, the extraction well with the highest hexavalent chromium concentrations in GSOU, and began operation in May 2010 (concentration data for all extraction wells can be found in section 5.4). An RCF system was also installed to treat a 100-gpm slipstream from the GOU north extraction well GN-3, the extraction well with the highest hexavalent chromium concentrations in GNOU, and began operation in April 2010. In July 2012, the RCF system was shut down because pilot testing was completed; the WBA well head system is still operating and adopted as part of operations in order to allow the plant to achieve pumping requirements for the GS-3 well.

5.2. Work Completed at the Site During this Five Year Review Period

In addition to the completion of the Chromium Demonstration Project (research project done in parallel with the operation of the hexavalent chromium demonstration facilities) and the installation of WBA and RCF, several actions have been completed during this FYR period.

In 2009, CDM Smith completed an evaluation of the extraction wells, and presented the results in a document titled Extraction Well Evaluation Results (EWER). The EWER established a priority list for wells needing rehabilitation. Well GN-4 was rated first in need and was rehabilitated in 2009. The following year well GS-2 was rehabilitated from April through June of 2011.

In 2010, EPA initiated a removal action at a former metal plating facility in Glendale. The cleanup involved the excavation of 460 tons of soil contaminated with chromium. In 2011, EPA initiated the RI for groundwater chromium contamination in Area 2 and parts of Area 1. In November 2011, EPA entered into an agreement, an Administrative Order on Consent (AOC), with the GCOU respondents to perform a portion of the RI work. In April 2012, the Final RI Work Plan for the GCOU was prepared by CH2M Hill on behalf of the EPA. The RI Work Plan identified areas where additional chromium investigation may be warranted to more completely delineate the extent of chromium contamination. The GCOU respondents have installed 12 new monitoring wells as part of the RI activities. EPA plans to install up to 17 new monitoring wells to address data needs that are not being addressed by the GCOU RI field work began in 2012.

The GCOU field work is important for the future of the GNOU and GSOU since chromium has the potential to impair the operation of the current VOC remedy. The GNOU and GSOU remedies (collectively called the GOU) are not designed to treat Chromium. At this moment Chromium influent is blended so the hexavalent chromium component does not exceed 5 ppb prior to delivery to the public water system. The 5 ppb standard is a voluntary standard that is derived from a Glendale City ordinance which states the City will not accept water designated as a drinking water source that has hexavalent Chromium concentrations above 5 ppb. The GCOU remedial investigation activities are important to future operations of the GNOU and GSOU as an upgradient chromium plume front has the potential debilitate future remedy operations as hexavalent chromium concentrations increase in more wells. In such a scenario blending to 5 ppb for hexavalent chromium will become logistically difficult with increases in influent concentration and number of wells impacted.

Several efforts have been completed in accordance with the *GOU Focused Feasibility Study (FFS) Statement of Work (SOW)* developed by EPA and the Glendale Respondents Group (GRG), the *FFS Work Plan* (ERM 2010), and the *FFS Work Plan Addendum* (ERM 2011). These efforts have been documented in technical memorandums (TMs). In their most recent forms, these documents (all produced by ERM on behalf of the GRG) include: *Draft Extraction Well GS-1 Evaluation TM* (June 2012), *Final Site Characterization TM* (October 2012), *Draft Emerging Compounds Evaluation TM* (October 2012), and *Revised Draft Hydraulic Containment Evaluation TM* (October 2012). It should be noted that most of these documents have significant comments from EPA, California Department of Public Health (CDPH), and/or the City of Glendale. The following is a summary of the findings in various technical memos:

- The purpose of the *Extraction Well GS-1 Evaluation* was to assess the impacts of surface water on extraction well GS-1. CDPH had raised concerns that groundwater extracted by GS-1 may be influenced by the adjacent Los Angeles River or upgradient wastewater treatment plant retention pond. Detections of n-nitrosodimethylamine (NDMA) in the Los Angeles River raised the possibility that there was a surface water connection to groundwater extracted by GS-1. The GS-1 Technical Memo concluded that the primary source of NDMA in GS-1 was the Los Angeles-Glendale Water Reclamation Plant (LAGWRP) retention pond. The presence of NDMA in well GS-1 suggested a surface water influence from the Los Angeles River (85% of river flow is treated wastewater) or the upgradient LAGWRP facility. During the past five years NDMA

reached a maximum concentration of 0.2 µg/L, exceeding the CDPH notification level for NDMA of 0.01 µg/l.

Historical investigations of LAGWRP operations revealed that the pond was potentially breached in 1992 when it was used as a staging area for construction equipment. Analysis of historical trends also showed that increasing concentrations of NDMA in well GS-1 coincided with a 2007 process change at the wastewater facility. The *Extraction Well GS-1 Evaluation* concluded that the LAGWRP pond was the most likely NDMA source.

In response to the conclusion that the wastewater pond was the source of well GS-1 NDMA contamination, LAGWRP changed operations so wastewater effluent bypassed the pond. Over the course of 9 months (April-December 2012) the pond was drained and VOC and NDMA concentrations were monitored monthly at well GS-1. Results showed that NDMA concentrations decreased as the pond drained. An August 2012 report shows NDMA concentrations decreasing to 0.022 µg/L. In December 2012, EPA and CDPH concurred with the GRG report that the pond was the source of NDMA and requested that the GRG continue to work with LAGWRP to ensure that the pond would not be put back into use unless the liner was repaired. As of the writing of this Five-Year Review the LAGWRP pond remains dry and GS-1 NDMA concentrations continue to decrease.

- The purpose of the *Site Characterization TM* is to present data collected during specific field investigations and to address data gaps so that evaluations of hydraulic containment, emerging compounds, and extraction well GS-1 could be completed. The document essentially revises the conceptual site model for the site. As part of the site characterization effort 14 new monitoring wells were installed in the vicinity of the GNOU and GSOU, and pump test were performed on selected extraction wells.
- *The purpose of the Emerging Contaminants Evaluation* was to assess groundwater analytical data for emerging contaminant identification and determine potential current and future impacts to GOU remedy performance and GWTP operations for constituents identified as emerging contaminants. The evaluation identified two compounds, 1,4-dioxane and hexavalent chromium, as having the most potential to impact GOU remedy performance and GWTP operations. Chromium, especially hexavalent chromium, has the potential to impair the existing remedy since the current treatment system was not designed to treat chromium. 1, 4 dioxane could impair remedy performance if extraction well and treatment facility effluent exceed the CDPH notification level of 1ug/L. Concentrations of 1,2,3-TCP in GOU extraction wells are likely to increase because up-gradient areas (specifically the Burbank Operable Unit) have higher concentrations. Increasing 1,2,3-TCP concentrations would ultimately increase facility O&M costs as treatment of 1,2,3-TCP increases the frequency of change outs in GAC and LPGAC vessels. In summary the report details the distribution and concentrations of emerging contaminants chromium, 1,4-dioxane, 1,2,3-TCP, perchlorate, and NDMA throughout Area 2.

- The purposes of the *Hydraulic Containment Evaluation* TM was to determine whether the interim remedy, as it is operated currently, achieves the RAO of inhibition of vertical and horizontal migration and to evaluate alternatives to enhance the interim remedy and the degree of hydraulic containment. EPA interprets the phrase “inhibition” to mean full hydraulic control of contaminated groundwater. The study found hydraulic control is not being achieved. Groundwater modeling in this report indicates a loss of capture between wells GN-2 and GN-3 in the GNOU (north well field), and between all wells in the GSOU (south wellfield), is not being achieved.

Groundwater model particle tracking results showed that particles were escaping between the aforementioned wells (Figures 30 and 31). To mitigate the escape of contamination downgradient, an alternative was identified to achieve hydraulic containment in the GSOU. The chosen alternative involves the installation of a new extraction well in the GSOU between well GS-2 and GS-3, relocation of the WBA system from well GS-3 to well GN-3, and adjustment of pumping rates of existing extraction wells. The GNOU and GSOU parties have committed to moving forward with implementing the design enhancements recommended in the *Hydraulic Containment Evaluation*. EPA is working to implement the aforementioned improvements and to address areas where only partial hydraulic containment is being achieved through the installation of additional extraction wells.

6. Five-Year Review Process

6.1. Administrative Components

EPA Region 9 initiated the FYR in January 2013 and scheduled its completion for September 2013. The review team was led by ZiZi Searles of EPA, Remedial Project Manager (RPM) and contractor support was provided by USACE (David Sullivan, geologist and Aaron King, environmental engineer). On January 9, 2013, EPA held a scoping call with the review team to discuss the Site and items of interest as they related to the protectiveness of the remedy currently in place. A review schedule was established that consisted of the following: community notification, 2) document review, 3) data collection and review, 4) site inspection; 5) local interviews; and 6) Five-Year Review Report development and review.

6.2. Community Involvement

On January 30, 2013, a public notice was published in the *Los Angeles Daily News* announcing the commencement of the Five-Year Review process for the San Fernando Valley Area 2 Site, providing contact information for EPA's San Fernando Valley Sites Community Involvement Coordinator, Jackie Lane, and inviting community participation. The press notice is available in Appendix B. The Five-Year Review report will be made available to the public once it has been finalized. Copies of this document will be placed in the designated public repositories: City of Glendale Public Library, 222 East Harvard St. Glendale, CA or call (818) 548-2021 and Los Angeles Public Library, 630 W. Fifth St., Los Angeles CA 90071 or call (213) 228-7000. Upon completion of the FYR, a public notice will be placed in the *(Daily News Los Angeles)* to announce the availability of the final FYR report in the Site document repositories.

6.3. Document Review

This FYR includes a review of site-related documents including the ROD, remedial action reports, and recent monitoring data. A complete list of the documents reviewed can be found in Appendix A.

6.3.1. ARARs Review

Section 121 (d)(2)(A) of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) specifies that Superfund Remedial Actions (RAs) must meet any federal standards, requirements, criteria, or limitations that are determined to be legally applicable or relevant and appropriate requirements (ARARs). ARARs are those standards, criteria, or limitations promulgated under federal or state law that specifically address a hazardous substance, pollutant, contaminant, RA, location, or other circumstance at a CERCLA site.

Changes (if any) in ARARs are evaluated to determine if the changes affect the protectiveness of the remedy. The 1993 GNOU ROD and the 1993 GSOU ROD identified only chemical- and action-specific ARARs for the site; no location-specific ARARs were identified for the Site. Each ARAR and any change to the applicable standard or criterion are discussed below. The selected interim remedies are expected to comply with all federal and state ARARs except for 40 CFR § 300.430(e)(2)(i)(A), which requires that the contaminant levels of the groundwater that remains in the aquifer be reduced below MCLs.

6.3.1.1 Chemical-specific ARARs

Because these were interim actions for containment of groundwater contamination, EPA has not established chemical-specific ARARs for restoration of groundwater remaining on-Site. EPA is waiving this ARAR pursuant to CERCLA Section 121(d)(4)(A), 42 U.S.C. § 9621(d)(4)(A), and 40 CFR § 300.430(f)(1)(ii)(C), which allows EPA to select a remedy that does not achieve an ARAR when the remedial alternative selected is an interim measure that will become part of a total remedial action that will attain ARARs. EPA's waiver of the aquifer cleanup standard does not apply to water extracted from the aquifer and delivered to municipalities for use as drinking water; all extracted and treated water is expected to comply with MCL ARARs

Performance standards for treated groundwater are summarized in Table 4. The current regulatory standards for TCE, PCE, and the other VOC COCs are the state and federal MCLs. The current regulatory standard for total chromium is the state MCL of 50 µg/L. Hexavalent chromium is not regulated by itself, but addressed by both federal and state MCLs for total chromium. Recently, CDPH has proposed a draft MCL specific for hexavalent chromium at a value of 10 µg/L (August 2013). US EPA is currently revising the hexavalent chromium toxicity assessment and plans to revisit the MCL upon its completion. A final MCL for hexavalent chromium is expected to be announced during the period of the next FYR.

In April 2007, the Los Angeles RWQCB changed the effluent standards for the maintenance and emergency discharges of treated water to the Los Angeles River. The effluent standard for hexavalent chromium was changed to 8 µg/L. The City of Glendale is required to keep hexavalent chromium concentrations in the combined discharge from the extraction wells below 8 µg/L in order to ensure that any emergency bypasses do not violate the current river discharge limits. The 8 µg/L limit became effective in June 2007. Also, the City of Glendale adopted a goal of 5 µg/L for hexavalent chromium prior to distribution in the City's water system. When delivering water to the distribution system, the hexavalent chromium concentration in the effluent from the GOU treatment system is not to exceed 11 µg/L; blending is performed with water from the City of Glendale G-3 turn-out prior to delivery to the distribution system, which is meant to achieve the 5 µg/L limit.

At the time of this FYR no final state or federal MCLs had been promulgated for 1,2,3-TCP, 1,4-dioxane, or NDMA. For these emerging contaminants that lack MCLs, the CDPH notification levels, which are health-based advisory levels for drinking water use, may be treated as criteria to-be-considered (TBC) in setting alternative performance standards for extracted groundwater.

Nitrate is also present in groundwater in excess of the MCL, as a result of past agricultural and sewage disposal practices in the SFV, but is not targeted for treatment as part of the GNOU or GSOU interim remedies. Complying with all applicable requirements for drinking water at the tap will also require attainment of the MCL for nitrate prior to serving the water to the public.

The State of California's Secondary Drinking Water Standards are also ARARs for the Site if the final use option involves serving treated groundwater as drinking water (22 CCR 64471). The California SDWS are selected as ARARs because they are promulgated state standards and are relevant and appropriate to

the action of supplying the treated water to a public water supplier. Although California Secondary Drinking Water Standards are not applicable to non-public water system suppliers, they are relevant and appropriate since the treated water under this action would be put into the City's drinking water system.

Table 4. Performance Standards for Treated Groundwater

Contaminant of Concern	Federal MCL (µg/L)	California MCL (µg/L)	CDPH Notification Level (µg/L)	Basis for Performance Standard	Performance Standard (µg/L) ^a
TCE	5	5	None	Federal MCL	5
PCE	5	5	None	Federal MCL	5
1,1-DCA	None	5	None	California MCL	5
1,2-DCA	5	0.5	None	California MCL	0.5
1,1-DCE	7	6	None	California MCL	6
cis-1,2-DCE	70	6	None	California MCL	6
1,1,1-TCA	200	200	None	Federal MCL	200
1,1,2,2-Tetrachloroethane	None	1	None	California MCL	1
Vinyl chloride	2	0.5	None	California MCL	0.5
Carbon tetrachloride	5	0.5	None	California MCL	0.5
Methylene chloride	5	5	None	Federal MCL	5
Benzene	5	1	None	California MCL	1
Toluene	1,000	150	None	California MCL	150
Ethylbenzene	700	300	None	California MCL	300
Xylene, Total	10,000	1,750	None	California MCL	1,750
MTBE	None	13	None	California MCL	13
Nitrate (as nitrogen)	10,000	10,000 ^b	None	Federal MCL	10
Total chromium ^c	100	50	None	California MCL	50
Hexavalent chromium ^{d,e,f}	None	None	None	RWQCB: See note e Glendale: See note f	8 ^e ; 5 & 11 ^f
Perchlorate	None	6	None	California MCL	6
1,2,3-TCP	None	None	0.005	CDPH Notification Level	0.005
1,4-dioxane	None	None	1 ^g	CDPH Notification Level	1
NDMA	None	None	0.01	CDPH Notification Level	0.01

a. The CDPH permitting process may require lower concentrations in the treated effluent.

b. MCL is listed as 45 mg/L nitrate as nitrate, which is equivalent to 10 mg/L nitrate as nitrogen.

c. When speciation data is unavailable the State of California uses 50 micrograms per liter, and for risk evaluation reasons, assumes all total chromium is hexavalent chromium.

d. Federal and state MCLs specific to hexavalent chromium have not been established. In August 2013 CDPH announced a draft hexavalent chromium MCL of 10 µg/L for public comment.

e. The City of Glendale is required to keep treatment plant and well effluent hexavalent chromium concentrations below 8 µg/L in order to ensure that any emergency bypasses does not violate the current RWQCB-mandated limits for discharging to the river.

f. The City of Glendale passed a city ordinance requiring drinking water to meet a standard of 5 µg/L for hexavalent chromium prior to distribution in the City's water system. To meet this requirement treatment plant effluent delivered to the distribution system is not to exceed 11 µg/L for hexavalent chromium. The City has determined effluent with hexavalent chromium above 11 µg/L may not blend with the City's other water sources to meet the 5 µg/L city requirement.

g. In 1998, CDPH established its initial notification level at 3 µg/L, based on a EPA drinking water concentration that corresponded with a 10⁻⁶ theoretical lifetime excess cancer risk. In 2010, EPA revised its 1,4-dioxane risk evaluation such that a 10⁻⁶ risk level corresponds to 0.35 µg/L. CDPH revised its notification level to 1 µg/L in November 2010

i. The CDPH Notification Level for 1, 2, 3 TCP is the same as the detection limit. The detection limit for 1,2,3 TCP in water is 0.005µg/L.

6.3.1.2 Other ARARs

Federal and state laws and regulations other than chemical-specific ARARs that have changed over the past five years are described in Table 5. These ARARs were pre-construction requirements, so it is assumed that all applicable requirements were obtained before the units went on-line. However, if the systems are modified significantly, these ARARs would still apply. There have been no other revisions to laws and regulations that affect the protectiveness of the remedy. A full summary of ARARs listed in the 1993 GNOU and GSOU RODs is given in Appendix F.

Table 5. Applicable or Relevant and Appropriate Requirements Evaluation

Source	Citation	Description	Effect on Protectiveness	Comments	Amendment Date
Clean Air Act SCAQMD	Regulation XIII	Regulation XIII requires that stationary sources of air emissions meet best available control technology (BACT) standards.	Rules 1309 (Emission Reduction Credits and Short Term Credits), 1315 (Federal New Source Tracking System), and 1325 (Federal PM _{2.5} New Source Review Program) of Regulation XIII have been amended or adopted since the previous FYR, but none of the changes affect protectiveness.	For air strippers, SCAQMD considers vapor phase GAC (with 90-99% removal efficiency) devices to be BACT. These are pre-construction requirements, so it is assumed that all applicable requirements were obtained before treatment units went on-line.	Latest amendment was on June 3, 2011.
Clean Air Act SCAQMD	Rule 1401	Rule 1401 specifies limits for individual cancer risk and excess cancer cases from new or modified stationary sources which emit carcinogenic air contaminants. The rule requires BACT for toxic air discharge for new stationary sources where a lifetime maximum individual cancer risk of one in one million or greater is estimated to occur.	The list of chronic and acute toxic air contaminants was expanded, but this does not affect protectiveness.	As Rule 1401 is a pre-construction regulation, it is assumed that all applicable requirements were attained before the treatment units went on-line. If the air stripping treatment system is modified significantly, substantive provisions of Rule 1401 will still apply.	Latest amendment was on September 10, 2010.

6.3.2. Human Health Risk Assessment Review

A human health risk assessment was completed for the Site as part of the San Fernando Valley groundwater RI (James M. Montgomery, Inc. 1992). For this FYR, the risk assessment was reviewed to identify any changes in exposure or toxicity that would impact protectiveness.

The 1992 risk assessment identified two exposure pathways at SFV Area 2 Site: ingestion of drinking water and inhalation of vapors during showering. The dermal absorption pathway was considered, but it was determined that its potential contribution to overall risk would not be significant. There have been no

changes in exposure pathways that were listed in the RI. The vapor intrusion pathway (discussed in Section 6.3.2.1 below) was not evaluated in the 1992 RI.

In the RI, lifetime excess cancer risks and non-cancer hazard quotients were calculated for the ingestion and inhalation pathways for the shallow and deeper aquifer zones under three different exposure scenarios: average, reasonable maximum exposure (RME), and maximum. The different scenarios essentially represent exposures to different contaminant concentrations found during the RI. The average scenario represents an exposure to average contaminant concentrations, the RME scenario represents an exposure to contaminant concentrations corresponding to the upper bound 95% confidence interval, and the maximum scenario represents an exposure to the maximum observed contaminant concentrations. Table 6 shows cancer risks associated with ingestion and inhalation exposure pathways.

Table 6. Site Risks Identified in the San Fernando Valley RI/FS

Exposure Scenario and Pathway	Non-cancer Hazard Index	Cancer Risk
Shallow Zone – San Fernando Valley Groundwater		
Average - Ingestion	1.7	4.0E-04
RME - Ingestion	3.1	8.0E-04
Maximum - Ingestion	20	6.0E-03
Average - Inhalation	1.2	6.0E-04
RME - Inhalation	2.2	1.0E-03
Maximum - Inhalation	14	1.0E-02
Deeper Zone – San Fernando Valley Groundwater		
Average - Ingestion	0.26	4.0E-05
RME - Ingestion	0.42	6.0E-05
Maximum - Ingestion	1.7	2.0E-04
Average - Inhalation	0.17	1.0E-05
RME - Inhalation	0.32	2.0E-05
Maximum - Inhalation	1.6	1.0E-04

6.3.2.1 Vapor Intrusion

EPA's understanding of contaminant migration from soil gas and/or groundwater into buildings has evolved over the past few years leading to the conclusion that vapor intrusion may have a greater potential for posing risk to human health than assumed when the ROD was prepared. In April 2013 EPA released an external review draft version of its vapor intrusion guidance titled "*OSWER Final Guidance for Assessing and Mitigating the Vapor Intrusion Pathway from Subsurface Sources to Indoor Air*" (EPA 2013). This guidance was used to evaluate the SFV Area 2 potential for vapor intrusion discussed in following paragraphs.

In the late 1980's and early 90's a regional groundwater soil gas investigations were as part of OU specific and Basinwide SFV RI activities. This soil gas sampling was performed to gather information on the

extent of VOC contamination in the basin. Soil gas data collected for the purpose of assessing the potential for regional groundwater vapor intrusion was not obtained at this time.

The potential for regional groundwater vapor intrusion was evaluated in this FYR following a “multiple lines of evidence” approach. PCE, TCE (i.e.VOCs) present in regional groundwater are of such a concentration, sufficiently toxic, and volatile that certain areas of the site are potentially susceptible to vapor intrusion. Groundwater PCE and TCE concentrations over large areas of Area 2 are greater than the generic groundwater screening levels for a vapor intrusion hazard quotient equal to 1 for a residential exposure scenario (58 µg/L for PCE, 5.2 µg/L for TCE) as shown in EPA’s Vapor Intrusion Screening Level Calculator (EPA 2013). The fact that the area is heavily populated and contains numerous buildings is another condition that suggests the possibility for vapor intrusion. Finally groundwater elevations are shallow enough for groundwater VOC volatilization to potentially reach the surface. This assessment also found that the areas most vulnerable to potential vapor intrusion are areas where groundwater is the shallowest. The most recent ULARA Watermaster Report (2012) shows water levels in three wells in Area 2 to be less than 50 feet bgs. Groundwater levels documented in the *Revised Draft Hydraulic Containment Technical Memorandum* (ERM 2012), show PCE and/or TCE contamination above the hazard quotient in many wells where the top of screen is less than 100 feet bgs and 50 feet bgs.

At time of the writing of this FYR the potential for regional groundwater vapor intrusion is unknown. Given the EPA’s Vapor Intrusion Screening Level Calculator results show there is potential for Area 2’s vapor intrusion, further investigation is needed to assess whether such vapor intrusion pathways exist. The uncertainty surrounding the potential for vapor intrusion requires a protectiveness deferred determination for this FYR. In the next five years an investigation will be conducted to gather information on the existence or non-existence of these pathways. The results of this investigation will be discussed in the next FYR, at which time a protectiveness determination will be made.

6.3.2.2 Toxicity values

EPA’s Integrated Risk Information System (IRIS) has a program to update toxicity values used by the Agency in risk assessment when newer scientific information becomes available. In the past five years, there have been a number of changes to the toxicity values for certain contaminants of concern at the Site. Revisions to the toxicity values for TCE, PCE, 1,4-dioxane, methylene chloride, carbon tetrachloride, cis-1,2-DCE, and 1,2,3-TCP indicate changes in risk from exposure to these chemicals, such that risk is now considered to exist at levels different than previously considered. Table 7 shows the changes in toxicity values for these contaminants. TCE, PCE, and 1,4-dioxane are discussed further; hexavalent chromium, for which a new final standard is expected soon, is also discussed.

Table 7. Changes in Toxicity Values in the Last Five Years

Contaminant	Toxicity Value	RI Value ^a	November 2012 RSL Table Value	Change
PCE	SFO (kg-day/mg)	5.10E-02	2.10E-03	Less stringent
	RfD _o (mg/kg-day)	1.00E-02	6.00E-03	More stringent
TCE	SFO (kg-day/mg)	1.10E-02	4.60E-02	More stringent
	RfD _o (mg/kg-day)	1.00E-02	5.00E-04	More stringent
1,4-dioxane	SFO (kg-day/mg)	1.10E-02 ^b	1.00E-01	More stringent
	RfD _o (mg/kg-day)	--	3.00E-02	More stringent
cis-1,2-DCE	SFO (kg-day/mg)	--	--	No change
	RfD _o (mg/kg-day)	1.00E-02 ^b	2.00E-03	More stringent
Carbon tetrachloride	SFO (kg-day/mg)	1.30E-01	7.00E-02	Less stringent
	RfD _o (mg/kg-day)	7.00E-04	4.00E-03	Less stringent
Methylene chloride	SFO (kg-day/mg)	7.50E-03 ^b	2.00E-03	Less stringent
	RfD _o (mg/kg-day)	6.00E-02 ^b	6.00E-03	More stringent
1,2,3-TCP	SFO (kg-day/mg)	2.00E+00 ^b	3.00E+01	More stringent
	RfD _o (mg/kg-day)	6.00E-03 ^b	4.00E-03	More stringent

Notes

^a As listed in SFV RI

^b Because toxicity values from the original risk assessment were not provided, these values are as listed in the EPA Region 9 2004 Preliminary Remediation Goals (PRGs) Table.

^c SFO = oral slope factor

^d RfD_o = oral reference dose

TCE and PCE: Groundwater results are compared to EPA regional screening levels (RSLs; previously called preliminary remediation goals [PRGs]) as a first step in determining whether response actions may be needed to address potential human health exposures. The RSLs are chemical-specific concentrations that correspond to an excess cancer risk level of 1×10^{-6} (or a hazard quotient (HQ) of 1 for noncarcinogens) developed for standard exposure scenarios (e.g., residential and commercial/industrial). RSLs are not de facto cleanup standards for a Superfund site, but they do provide a good indication of whether actions may be needed. In September 2011, EPA completed a review of the TCE toxicity literature and posted on IRIS both cancer and non-cancer toxicity values which resulted in lower RSLs for TCE. The screening level for chronic exposure for cancer excess risk level of 1×10^{-6} is 0.44 µg/L. EPA uses an excess cancer risk range between 10^{-4} and 10^{-6} for assessing potential exposures, which means a TCE concentration between 0.44 and 44 µg/L. The current MCL for TCE is 5 µg/L, which is within the revised protective carcinogenic risk range. EPA's 2011 Toxicological Review for TCE also developed safe levels that include at least a 10-fold margin of safety for health effects other than cancer. Any concentration below the non-cancer RSL indicates that no adverse health effect from exposure is expected. Concentrations significantly above the RSL may indicate an increased potential of non-cancer effects. The non-cancer RSL for TCE is 2.6 µg/L. EPA considers the TCE MCL of 5 µg/L protective for both cancer and non-cancer effects.

EPA also recently reassessed PCE toxicity literature for both cancer and non-cancer effects and released the toxicological review in February 2012, posted on IRIS. The reassessment determined that risk for cancer in excess of 1×10^{-6} was a less stringent risk criterion than previously assumed, and EPA has raised the cancer RSL for PCE to 9.7 µg/L. The non-cancer RSL was also revised based on adverse neurological effects and resulted in a non-cancer risk RSL of 35 µg/L. The PCE MCL of 5 µg/L remains protective for both carcinogenic and non-cancer effects. Table 8 summarizes the RSLs for TCE and PCE.

Table 8. Summary of Drinking Water RSLs for TCE and PCE

Contaminant of Concern	RSL for cancer excess risk level of 1×10^{-6} (µg/L)	RSL for non-cancer hazard (µg/L)
TCE	0.44	2.6
PCE	9.7	35

1,4-Dioxane: There are currently no federal or state MCLs for 1,4-dioxane. The current RSL is 0.67 µg/L (or equivalent units: parts per billion [ppb]). CDPH established a Notification Level (formerly "action level") for 1,4-dioxane at 3 µg/L. Notification to the CDPH is required in the event treated water with a concentration exceeding a notification level is delivered to a municipal water purveyor. In 2010, EPA revised its 1,4-dioxane risk evaluation such that a 10^{-6} risk level corresponds to 0.35 µg/L, as noted in IRIS, though the RSL table has not yet been updated. In response to EPA's revision, CDPH revised its notification level from 3 to 1 µg/L in November 2010.

Hexavalent Chromium: There is currently no MCL specific for hexavalent chromium; however, there is a federal MCL for total chromium at 100 µg/L (ppb) and a California MCL for total chromium at 50 µg/L (ppb). These total chromium MCLs assume that the majority of chromium in drinking water is in the hexavalent state.

In 2010, EPA updated its RSLs for hexavalent chromium. The RSL update was based on a revised toxicity assessment by the New Jersey Department of Environmental Protection following new toxicity information from the National Toxicology Program. The current hexavalent chromium RSL for tap water ingestion is 0.031 µg/L (ppb). The EPA IRIS program is conducting its own reassessment of the toxicity of hexavalent chromium and EPA has committed to revise the chromium MCL upon completion of the IRIS reassessment. Any potential change to these chemicals will need to be addressed in subsequent five-year reviews.

In addition, the California Office of Environmental Health Hazard Assessment released a new Public Health Goal for hexavalent chromium at 0.02 µg/L(ppb) in 2010. The California Department of Public Health (CDPH) released a proposed MCL for hexavalent chromium of 10 ppb in August 2013. Once new federal and/or state MCLs for hexavalent chromium are adopted, further evaluation regarding the protectiveness of the remedy will be completed.

6.3.3. Ecological Review

A brief ecological risk assessment was performed during the 1992 SFV RI. No threatened or endangered species were found to use the area. There is limited habitat use of the Los Angeles River by water fowl, although most of the habitat potential has been displaced through development and urbanization of the site. The ecological exposure pathway of primary concern for Area 2 is the discharge of contaminated groundwater to surface water bodies (i.e. the Los Angeles River, recharge basins, and other lake like bodies of water) and of treated effluent to the Los Angeles River. There is no information to indicate that untreated groundwater from the GNOU or GSOU reaches the surface water bodies. Discharges of untreated water to the Los Angeles River are expected to be infrequent, seasonal, and localized. These discharges usually occur to facilitate well development, well rehabilitation, or other treatment facility operational repairs requiring discharge of untreated water. Treated water discharged from the groundwater treatment system is required to be within discharge limits for VOCs and for hexavalent chromium (at 8 µg/L) (see section 5.3.1).

The 1992 RI suggests the potential for GSOU groundwater discharge to the Los Angeles River under rising water conditions (usually associated with major precipitation events) if the GSOU extraction wellfield is not operating. However, this scenario is unlikely given that the GSOU PRPs are under an order to ensure operation of the extraction wells year round. To evaluate the impact of such an event on water fowl should it ever occur, the 1992 RI compared maximum contaminant concentrations in groundwater to Los Angeles River ambient water quality criteria and sediment quality criteria. The RI concluded that there no ecological risk posed to water fowl. No complete ecological exposure pathways and/or significant exposures are expected to occur in Area 2.

6.4. *Data Review*

To evaluate whether the interim remedies at the GNOU and the GSOU are meeting RAOs and remain protective of human health and the environment, data and other information regarding groundwater quality throughout Area 2, the performance of the groundwater extraction and treatment system, and plume containment achieved by the extraction wells were reviewed.

Data that were reviewed include plume maps generated by CH2M Hill (EPA oversight contractor), data used to generate those plume maps, available monthly reports on the GOU by CDM Smith (January 2008 – December 2012), data (July 2010 – January 2012) and figures given to the review team during the site visit, the Revised Hydraulic Containment Technical Memorandum, the Extraction Well GS-1 Evaluation, Draft Emerging Compounds Evaluation Technical Memorandum, Final Remedial Investigation Work Plan, Final Site Characterization Technical Memorandum, and Results of Capture Modeling and Recommendations for Hydraulic Containment Monitoring.

A complete list of documents reviewed, with their sources, is shown in Appendix A.

6.4.1. Area 2 Groundwater Quality

The primary contaminants of concern (COCs) in Area 2 are TCE and PCE. The compounds chromium, 1,4-dioxane, 1,2,3-TCP, and perchlorate are considered emerging contaminants. Nitrate is also present in

groundwater. Plume maps or plotted extraction well data for these contaminants in Area 2 are shown in Figure 4 through Figure 15. Each plume map was constructed using the most recent data available from a well within that plume area from the period from January 2006 to July 2011. The plots were given to the review team during the site inspection. Appendix G contains additional summary information regarding VOC and chromium concentrations in extraction wells from January 2008 – December 2012. NDMA was also identified as an emerging contaminant in extraction well GS-1.

6.4.1.1 PCE and TCE

The PCE and TCE plumes in Area 2 have fluctuated in extent and concentration since the completion of the previous FYR. The fluctuations may have resulted from changing groundwater levels, migration of plumes, or changes in geochemical conditions in the aquifer; alternatively, they may reflect the incorporation of additional (or more recent) water quality data. Figure 4 through Figure 7 show the PCE and TCE plume maps for the Shallow and Deeper zones of Area 2. Over the last five years, PCE concentrations appear to be increasing in extraction wells GN-2 and GS-1 (Figure 8 and Figure 9). Over the last five years, TCE concentrations appear to be increasing in extraction well GN-3 and potentially in GS-3 as well (Figure 10 and Figure 11).

Results presented in the *Emerging Contaminants Evaluation* (ERM 2012) show PCE and TCE concentrations at levels above their respective MCLs in monitoring wells down-gradient of the GNOU and GSOU extraction wells. In particular, shallow monitoring well GS-P13 (screened at 30-50 feet bgs in the Shallow Zone) shows PCE and TCE concentrations of 5.1 µg/L and 81 µg/L, respectively. Also, PCE and TCE were detected at levels above the MCLs in shallow monitoring well GN-P11 (screened depth 60-80 feet bgs), which is across the Los Angeles River southwest of the Glendale Water Treatment Plant. The study also found that the migration inhibition remedial action objective is not being achieved, i.e. complete capture between wells GN-2 and GN-3 in the GNOU, and between all wells in the GSOU, is not being achieved. Due to the size of the data section in the *Emerging Contaminants Evaluation* document (over 1000 pages) EPA is unable to include the raw data as an appendix, although EPA is happy to furnish a copy of this report upon request.

6.4.1.2 Chromium

Generally, the chromium plumes (which are dominated by hexavalent chromium) have fluctuated in extent and concentrations. Figure 12 and Figure 13 show total chromium and hexavalent chromium plume maps for the Shallow Zone of Area 2. Total and hexavalent chromium have been detected in Shallow Zone monitoring wells down-gradient of the GNOU and GSOU extraction wells. Over the last five years, hexavalent chromium concentrations appear to be decreasing in extraction wells GN-2 and GS-3 (Figure 14 and Figure 15), but increasing in GN-3 (Figure 14). The current GOU facility does not treat for chromium, but wellhead chromium treatment by WBA at GS-3 and RCF at GN-3 were implemented in the last five years, though RCF operation has ceased because it was a demonstration scale pilot designed for research purposes. The WBA is still in operation because it can treat up to 400 gpm of water whereas the RCF was designed to treat 100 gpm of water. At this time the PRPs have voluntarily integrated the operation of the WBA into treatment facility operations.

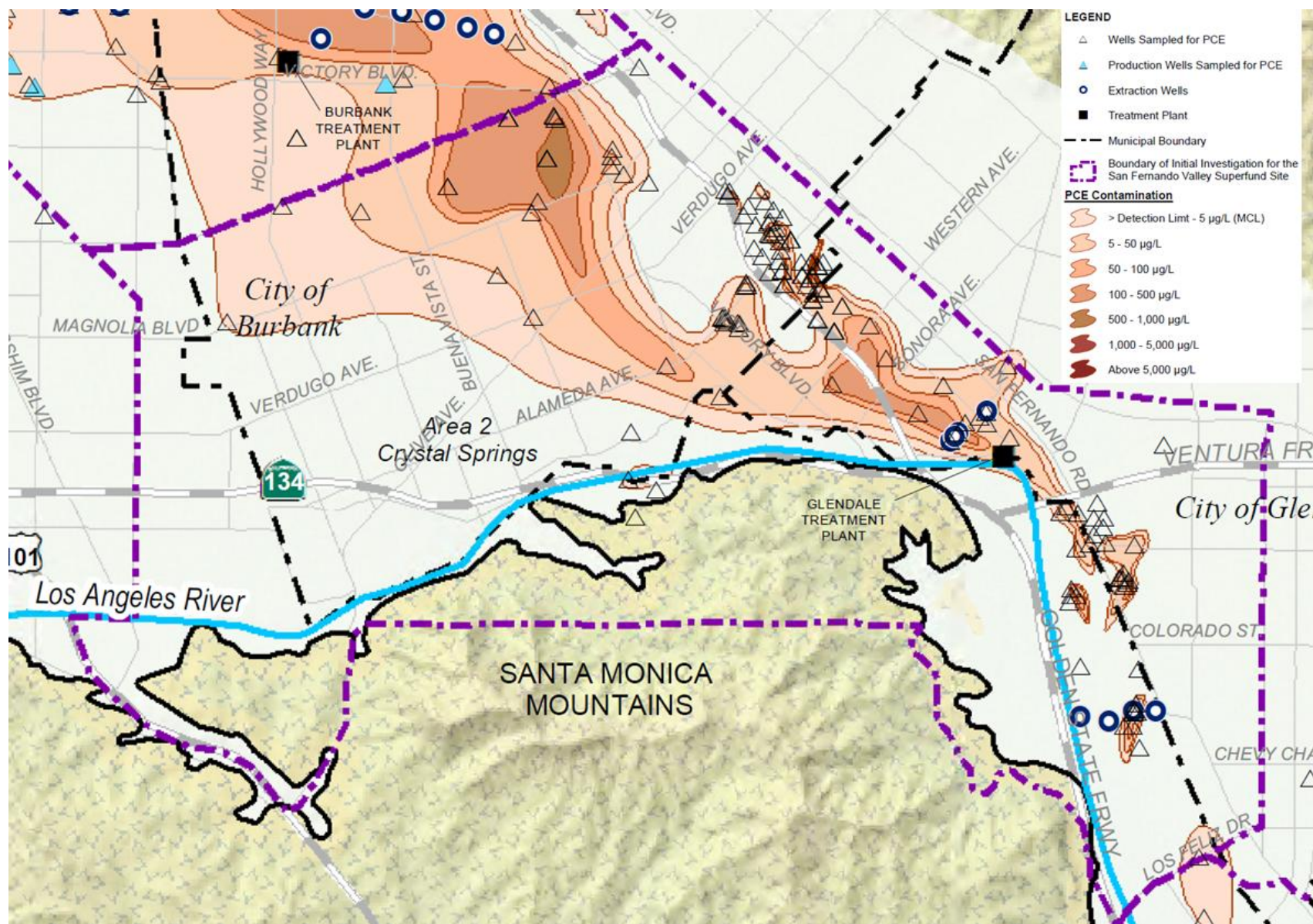


Figure 4. PCE in the Shallow Zone (Most Recent Concentration January 2006-2011)

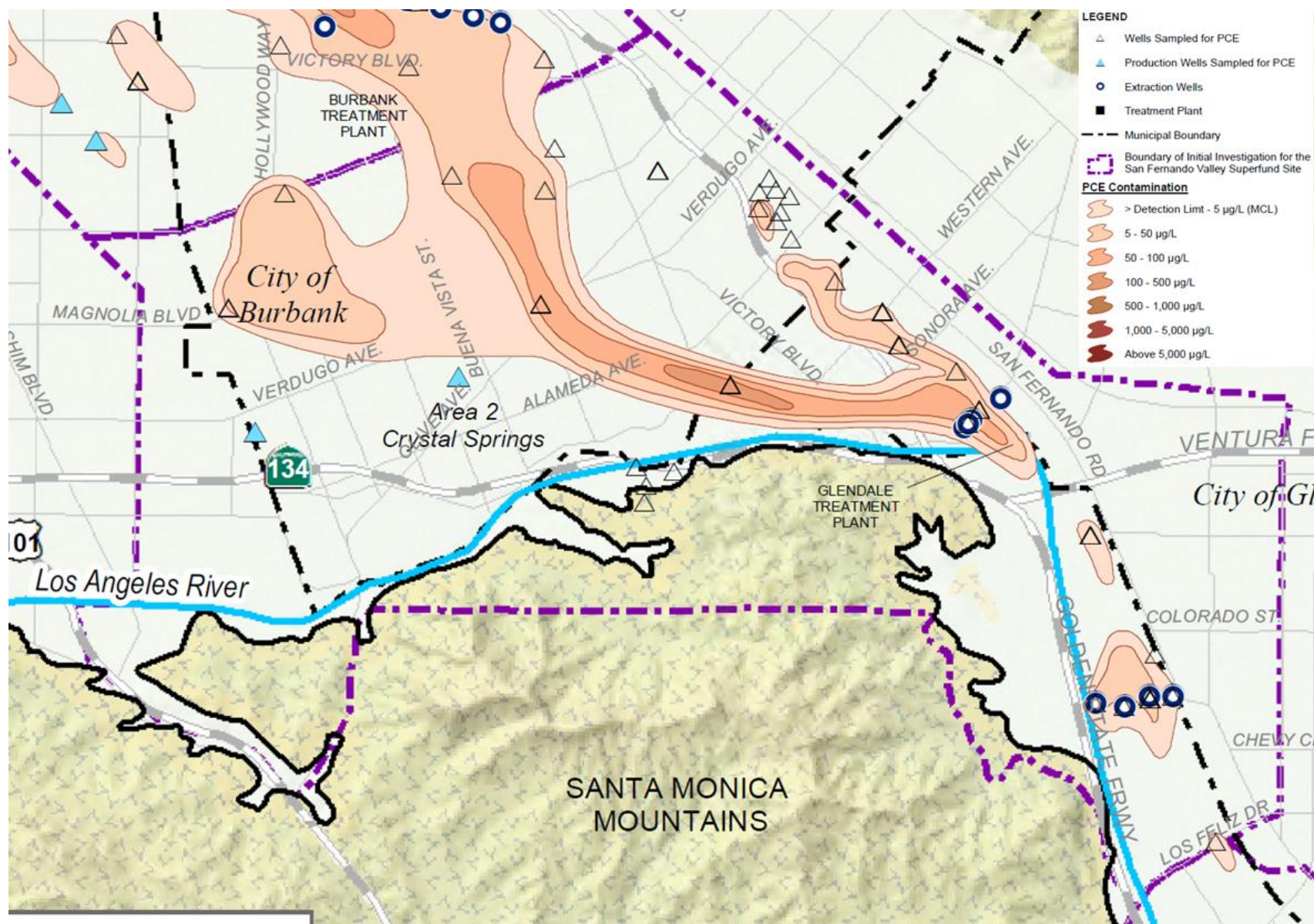


Figure 5. PCE in the Deeper Zone (Most Recent Concentration January 2006-2011)

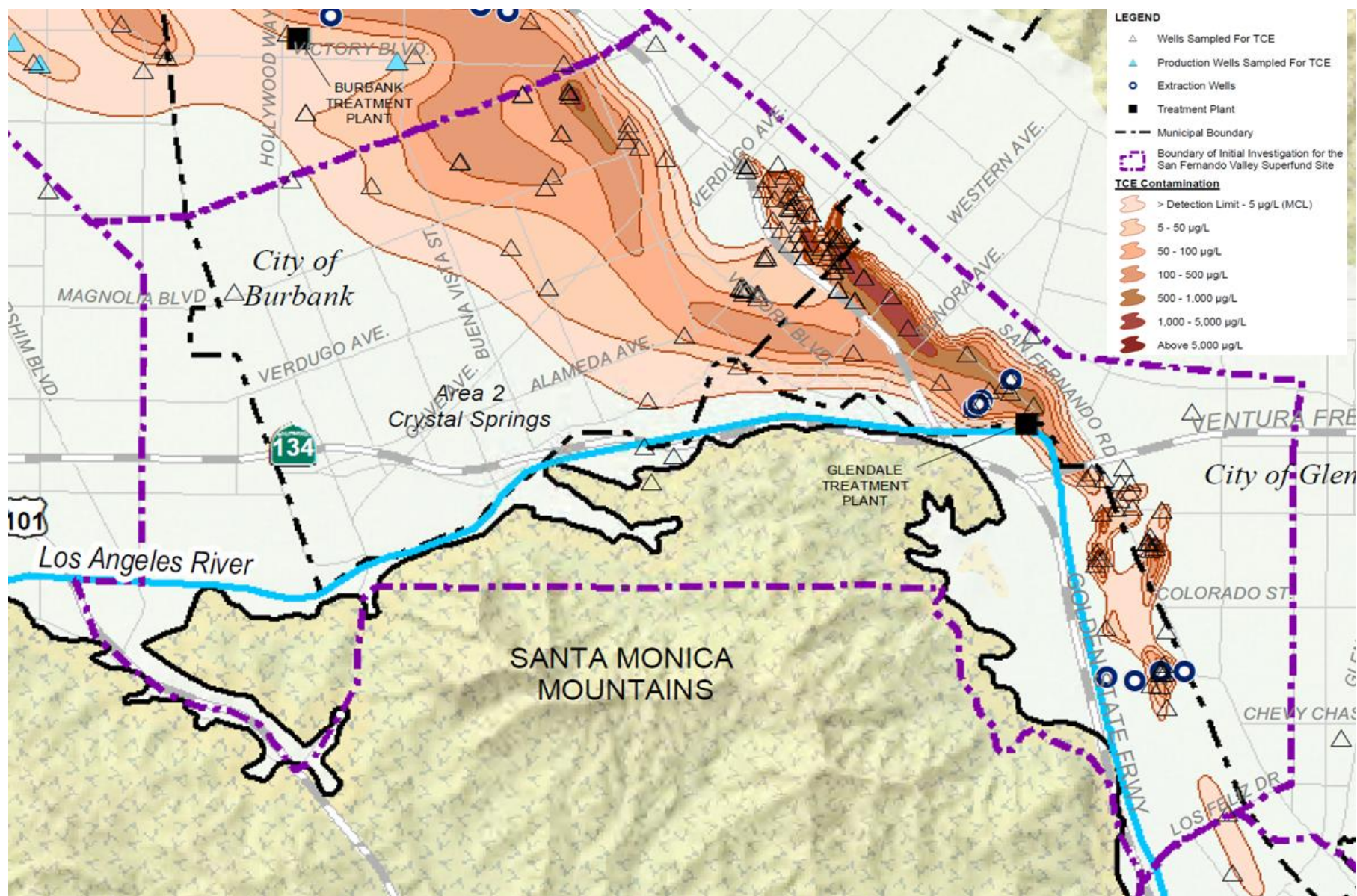


Figure 6. TCE in the Shallow Zone (Most Recent Concentration January 2006-2011)

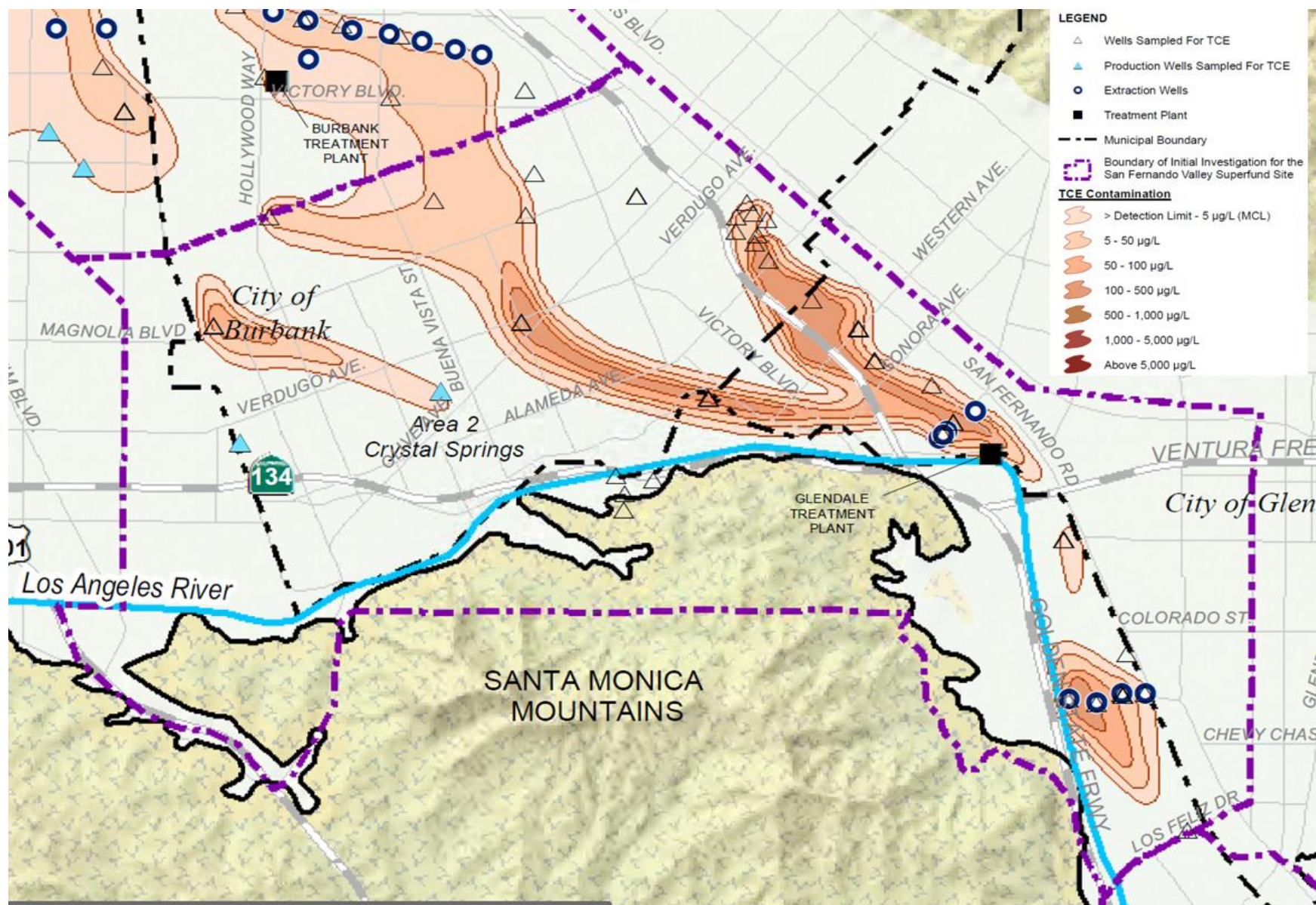


Figure 7. TCE in the Deeper Zone (Most Recent Concentration January 2006-2011)

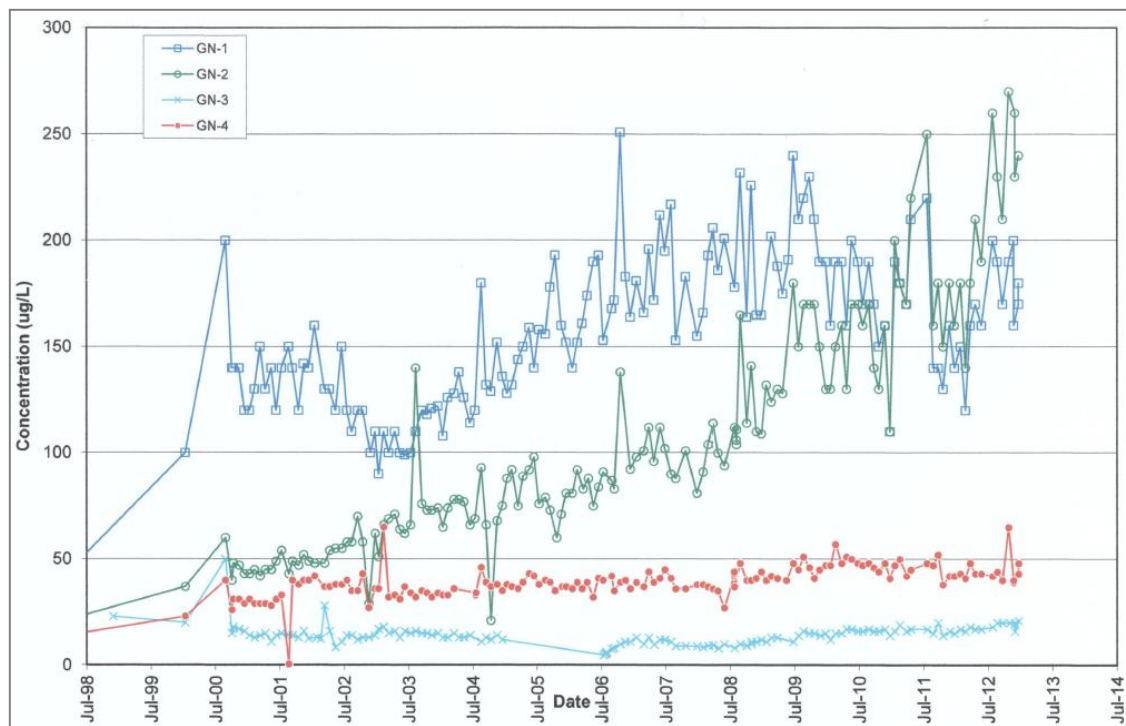


Figure 8. PCE in the North Extraction Wells

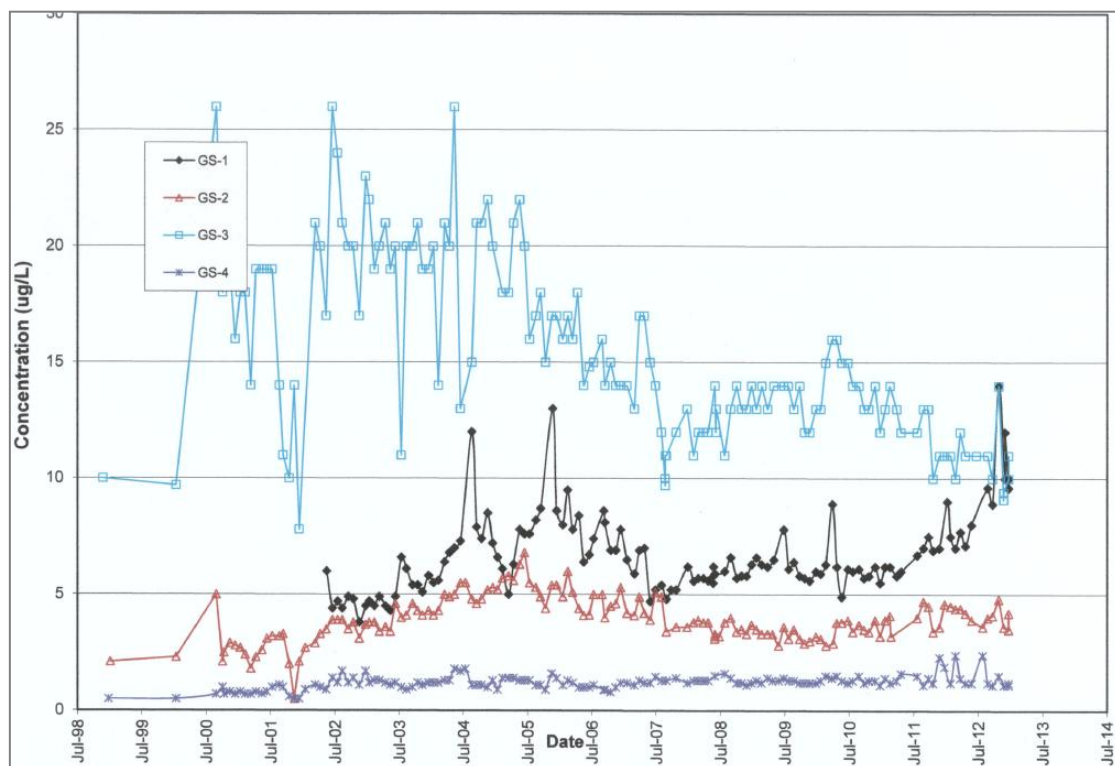


Figure 9. PCE in the South Extraction Wells

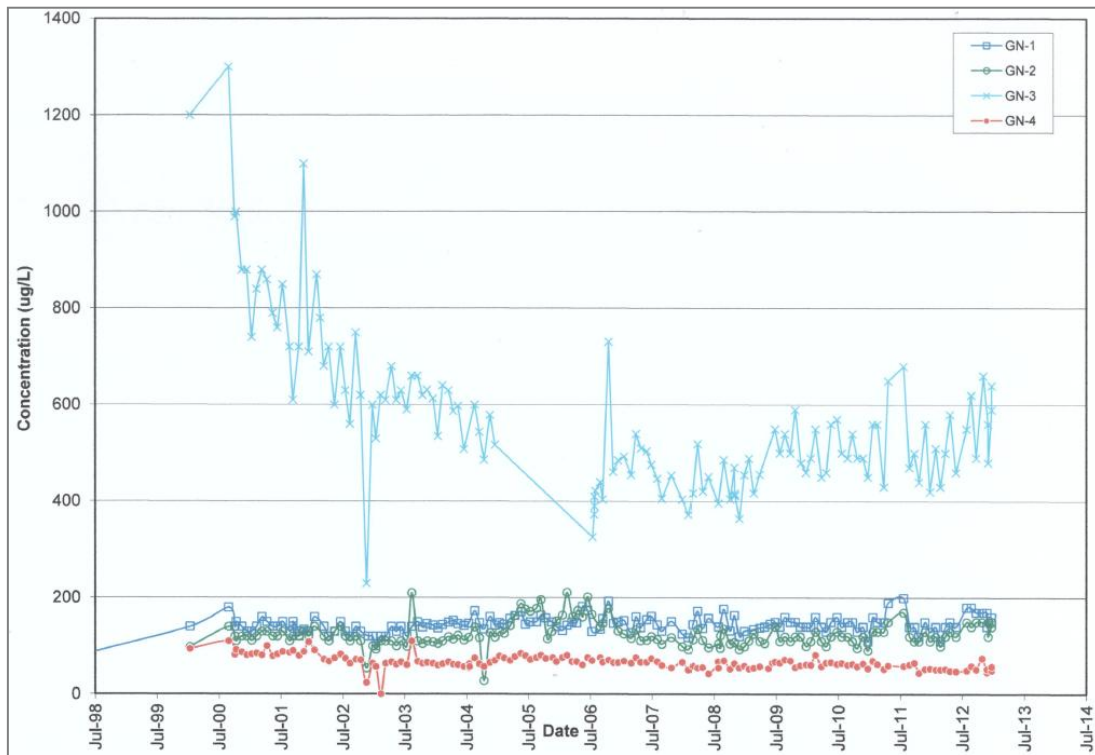


Figure 10. TCE in the North Extraction Wells

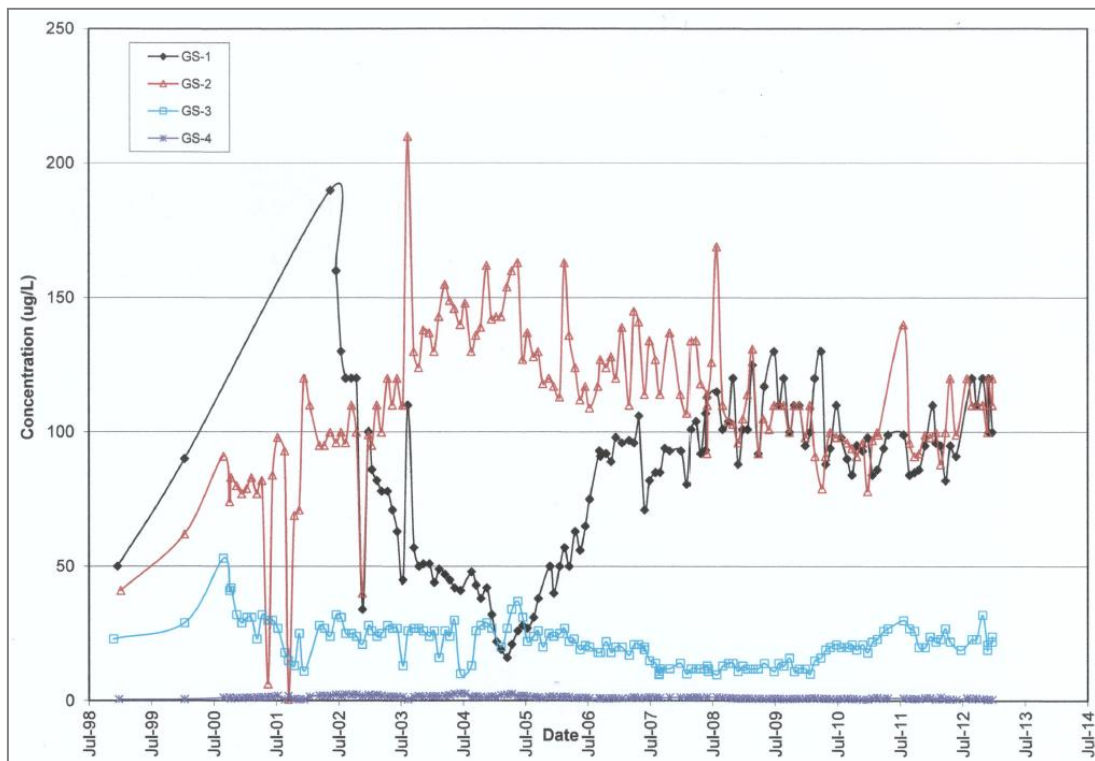


Figure 11. TCE in the South Extraction Wells

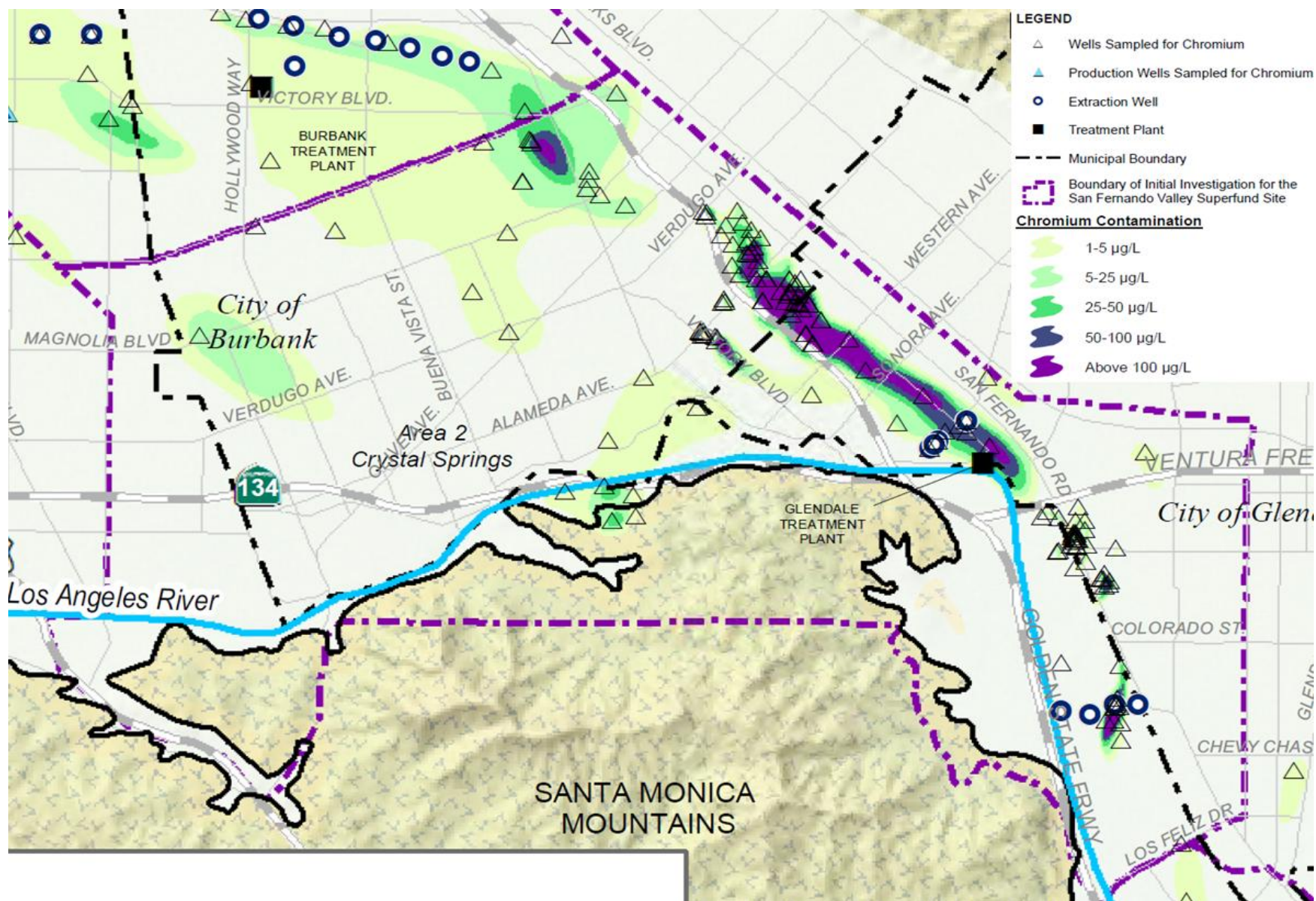


Figure 12. Total Chromium in the Shallow Zone (Most Recent Concentration January 2006-2011)

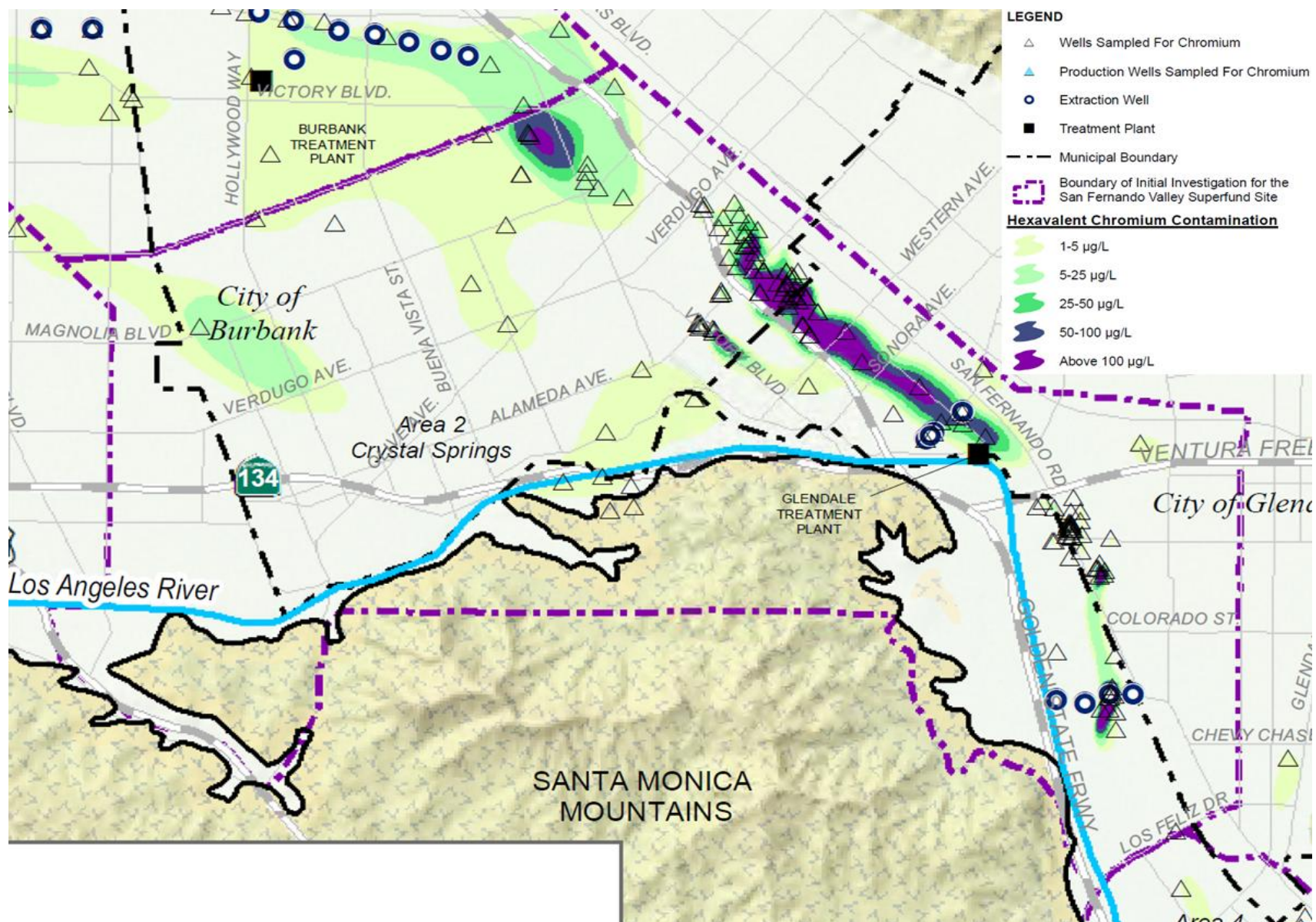


Figure 13. Hexavalent Chromium in the Shallow Zone (Most Recent Concentration January 2006-2011)

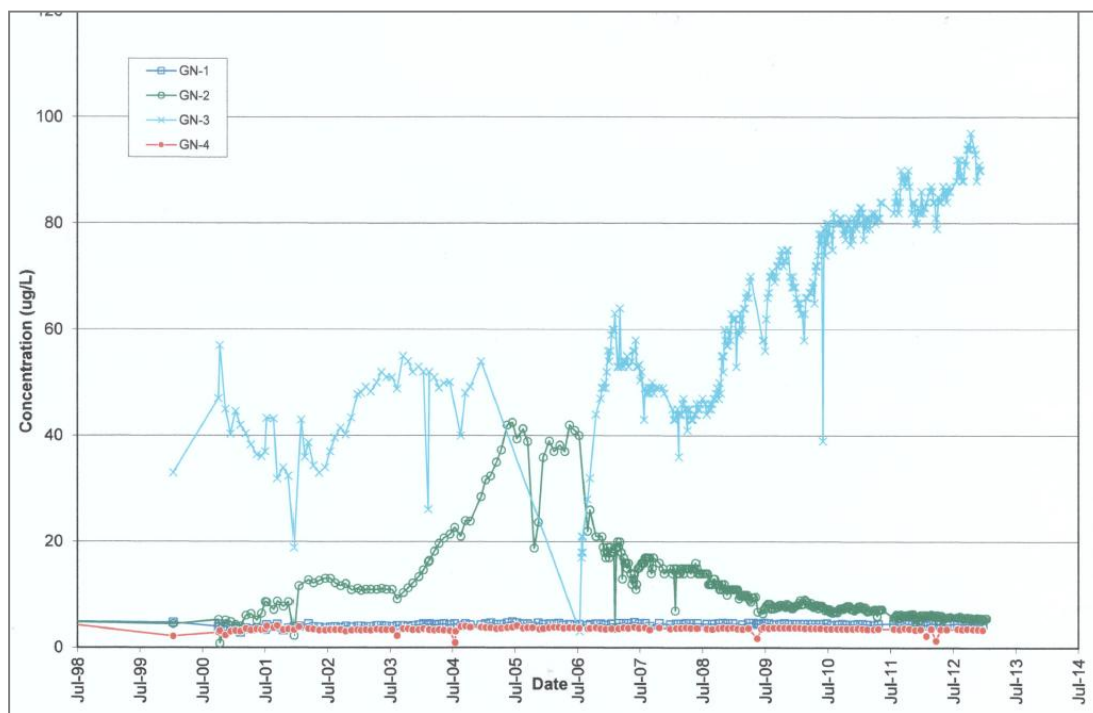


Figure 14. Hexavalent Chromium in the North Extraction Wells

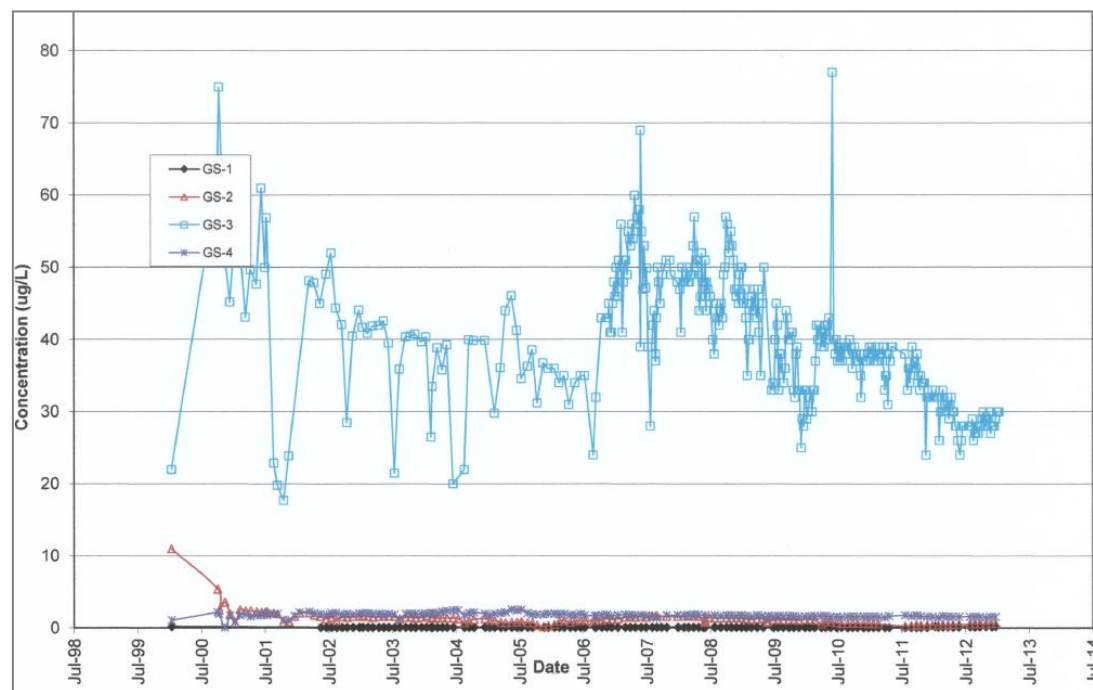


Figure 15. Hexavalent Chromium in the South Extraction Wells

*(For Figures 16-27 please refer to Appendix H and I)

6.4.1.3 Emerging Contaminants

Concentrations of 1, 4-dioxane are frequently detected at levels exceeding the CDPH notification level of 1 µg/L in Area 2 (Appendix H). 1,4-dioxane concentrations are not reported in the monthly progress reports for individual extraction wells or in the influent or effluent of the treatment plant. The treatment plant does not treat for 1,4-dioxane. Based on data received during the site inspection, from January 2009 to October 2012, 1,4-dioxane has been detected in extraction wells GS-1 and GS-2. Over that period, detected concentrations (16 samples, 5 non-detects) of 1,4-dioxane in GS-1 ranged from 1.5 to 2.6 µg/L, and averaged 2.05 µg/L, though there is no apparent trend. In GS-2, there was one detection (1.2 µg/L in the September 2012 sample) out of six samples.

Concentrations of 1, 2, 3-TCP have frequently been detected at levels exceeding the CDPH notification levels of 0.005 µg/L in Area 2. 1,2,3-TCP concentrations are not reported in the monthly progress reports for individual extraction wells or in the influent or effluent of the treatment plant. Based on data received during the site inspection, over the last five years, 1,2,3-TCP concentrations above the notification level have been detected in all extraction wells except GS-3 and GS-4. 1, 2, 3-TCP concentrations appear to be increasing in extraction wells GN-2 and GS-2, but decreasing in GS-1. The treatment plant effectively treats 1,2,3-TCP via the LPGAC treatment process, and 1,2,3-TCP is the primary driver for replacement of used LPGAC units with fresh GAC.

Perchlorate has been detected in some areas of the Shallow Zone of Area 2 at levels above the state MCL of 6 µg/L, though perchlorate concentrations are not reported in the monthly progress reports for individual extraction wells or in the influent or effluent of the treatment plant. Based on data received during the site inspection, perchlorate has been detected in extraction wells GN-3 and GS-4, though not above the state MCL.

Nitrate is present in Area 2 groundwater at levels in excess of the MCL (Appendix H, Figure 21). The presence of nitrate is speculated to occur as a result of past agricultural and sewage disposal practices in the SFV. Nitrate is not targeted for treatment as part of the GOU interim remedy. When elevated nitrate concentrations are present in groundwater produced by extraction wells or municipal water supply wells in Area 2, they are mitigated by blending with imported water from other sources. Blending, disinfection, and other routine municipal water treatment and delivery operations in Area 2 are performed by the City of Glendale. Nitrate concentrations above its MCL of 45 mg/L have been detected in several portions of the Shallow Zone in Area 2, and in the northwestern portion of the Deeper Zone.

More information about the emerging contaminants including concentrations detected and trends can be found in Appendix H.

6.4.1.4 Other VOCs

In addition to PCE and TCE, other VOCs are present in Area 2. 1,1-DCE was detected at a level above the state MCL of 6 µg/L in at least one sample each from extraction wells GN-2, GN-3, GS-1, and GS-2. 1,2-DCA was detected at a level above the state MCL of 0.5 µg/L in all 56 samples from extraction well GN-3. Carbon tetrachloride was detected at a level above the state MCL of 0.5 µg/L in numerous samples from extraction wells GN-1, GN-2, GN-3, GS-2, GS-3, and GS-4. Cis-1,2-DCE was detected at a level

above the state MCL of 6 µg/L in nearly all the samples from extraction wells GS-1 and GS-2. The treatment plant effectively treats these other VOCs to non-detect levels.

Appendix G summarizes the extraction well concentrations reported in the January 2008 to December 2012 monthly progress reports

6.4.1.5 NDMA

Prior to July 2007, NDMA concentrations in well GS-1 were generally below the CDPH notification level of 0.01 µg/L. NDMA concentrations increased substantially after July 2007, which coincided with a nitrification-denitrification process change at the Los Angeles-Glendale Water Reclamation Plant (LAGWRP). The treatment process change included the addition of a polymer that led to the formation of NDMA in the tertiary treated water present in the LAGWRP pond. In March 2012, the polymer dosing was reduced and, in May 2012, treated effluent was piped directly to the outfall to the Los Angeles River, bypassing the LAGWRP pond. NDMA concentrations in GS-1 decreased substantially in the following months, and were near or below the notification level about November 2012.

6.4.2. Groundwater Extraction and Treatment System

Approximately 29 billion gallons of groundwater have been extracted by the GOU wells and treated since 2000, roughly 10 billion gallons of which were extracted and treated from January 2008 to December 2012. In the last five years, monthly extracted volumes ranged from 285 to 712 acre feet (acre-ft), with a median of 650 acre-ft. Average flow rates in the treatment plant ranged from 2,150 to 5,226 gpm, with median and average flow rates of 4,831 gpm and 4,683 gpm, respectively. Monthly extraction volumes below roughly 550 acre-ft and average flow rates below roughly 4,100 gpm were generally a result of the GN-4 and GS-2 well rehabilitation activities in June 2009 and April– June 2011. Appendix I includes a plot of total monthly extracted volumes from 2008 – 2012; and average flow rates produce a similar plot. Considering down time for the GN-4 and GS-2 rehabilitations, an increase in flow rate on GS-3 resulting from the installation of WBA, and other variations in monthly extracted volumes from individual wells. Total extracted volumes and treatment plant flow rates have been reasonably consistent in the last five years.

Table 9 summarizes the contaminant concentrations measured in the treatment plant influent from 2008 – 2012. Of the contaminants sampled for, detected, and reported, only TCE, PCE, and carbon tetrachloride concentrations in the plant influent were found at levels above their respective MCLs.

Table 9. Summary of Plant Influent Contaminant Concentrations

Contaminant	Max	Min	Median	Average	Number of Samples	Number of Non-detects
TCE (µg/l)	151	68	96	98	58	0
PCE (µg/l)	140	26	72	73	58	0
Benzene (µg/l)	--	--	--	--	58	58
Carbon Tetrachloride (µg/l)	1.8	0.78	1.3	1.2	58	2
1,1-DCA (µg/l)	0.57	0.57	0.57	0.57	58	57
1,2-DCA(µg/l)	--	--	--	--	58	58
1,1-DCE (µg/l)	6	0.8	4	3.6	58	1
cis-1,2-DCE (µg/l)	3.5	0.55	2.7	2.6	58	1
trans-1,2-DCE (µg/l)	1.4	0.5	0.6	0.7	58	26
1,1,2-TCA (µg/l)	--	--	--	--	0	--
Xylenes (µg/l)	--	--	--	--	0	--
Total Chromium (µg/l)	--	--	--	--	0	--
Chromium VI (hexavalent) (µg/l)	--	--	--	--	0	--
Nitrate-N (mg/l as Nitrogen)	--	--	--	--	0	--

From 2008 – 2012, VOC concentrations in the treatment system effluent have been nondetect, and have been so since the beginning of operations. During that period, an estimated 18,400 lbs of VOCs have been removed. Monthly estimated VOC removal ranged from 149.1 to 444.1 lbs with a median of 314 pounds. Estimated monthly VOC removals of less than 235 lbs were a result of GN-4 rehabilitation activities in June 2009. Figure 16 shows a plot of estimated monthly VOC removal from 2008 – 2012. Approximately 42,700 lbs of VOCs have been removed since 2000. Considering down time for the GN-4 rehabilitation and variations in extraction rates from individual wells, estimated monthly VOC removal has been slowly increasing over the past five (and more) years.

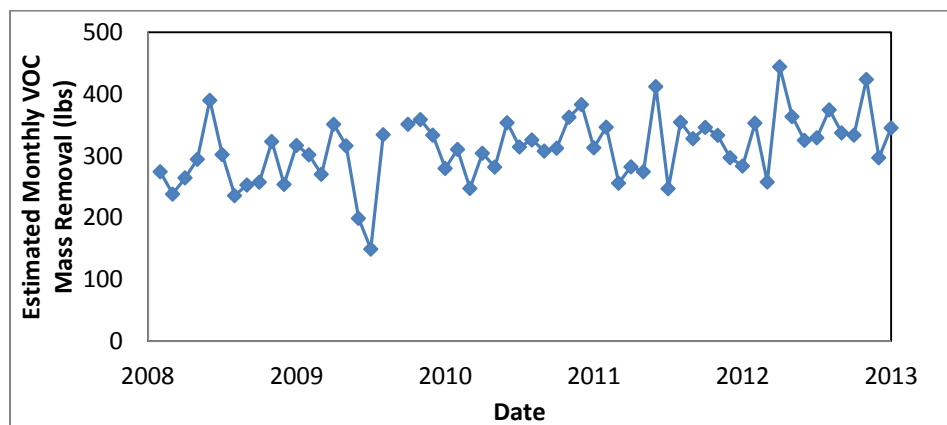


Figure 16. Estimated Monthly VOC Removal from 2008 – 2012

Over the last five years, effluent hexavalent chromium concentrations have ranged from 3.3 to 11 µg/L (Figure 17) and averaged 7.8 µg/L.

Nitrate has not been sampled in the effluent in the last five years.

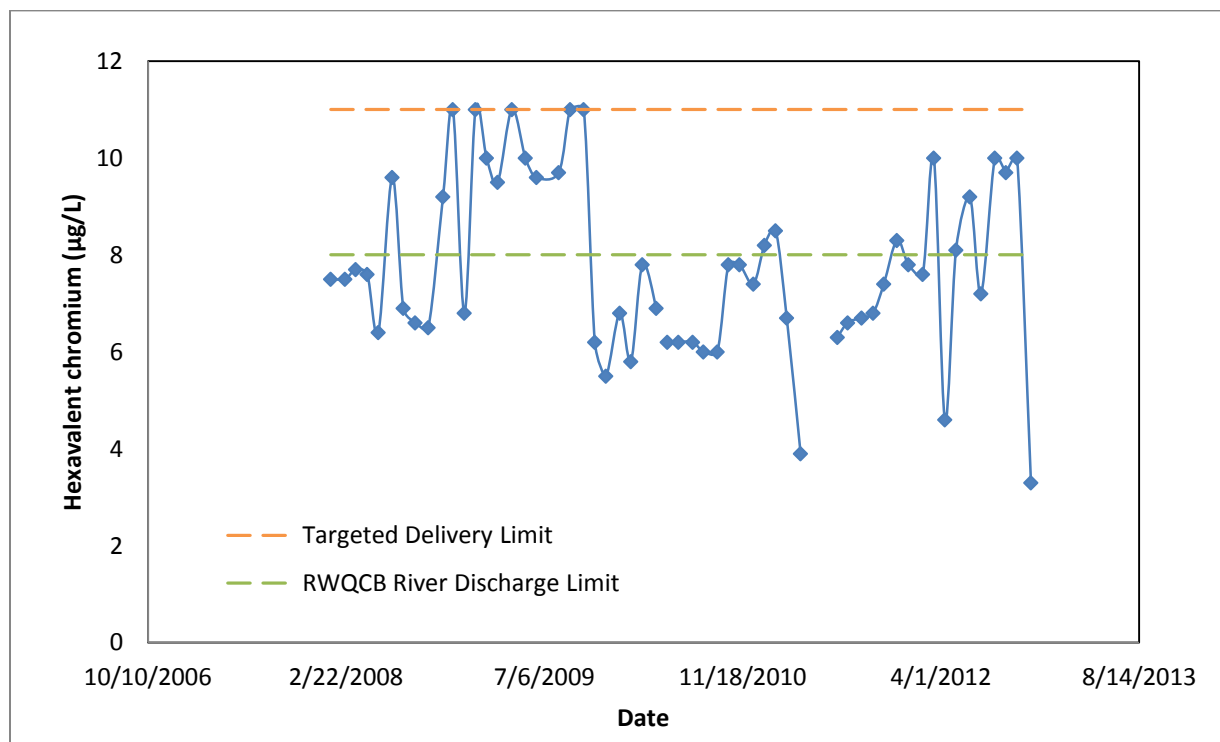


Figure 17. Hexavalent Chromium in Treatment Plant Effluent from 2008 – 2012 (See Table 4 for an explanation on the difference between Targeted Delivery Limit -11 µg/L, and RWQCB Discharge Limit -8 µg/L).

6.4.3. Containment of Contaminated Groundwater

In October 2012, Environmental Resources Management (ERM) submitted a revised draft hydraulic containment technical memorandum for the Glendale Respondents Group with the results of a hydraulic containment study pursuant to the Focused Feasibility Study Statement of Work, developed by the EPA (ERM 2012). The results of this study show that complete containment is not being achieved in the GNOU or the GSOU.

The *Hydraulic Containment Technical Memorandum* (ERM 2010) evaluated empirical potentiometric data, empirical water quality data, trend analyses, and analytical hydraulic containment calculations (i.e., groundwater flux and capture zone widths via particle tracking) to assess the degree of hydraulic capture. The report demonstrates based on all available data, that full hydraulic containment of the VOC plume for both the GNOU and GSOU is not being achieved. The data also shows that, at recent pumping rates, containment gaps exist between extraction wells GN-2 and GN-3 (Figure 18), and among all GSOU wells (Figure 19). Figures 30 and 31 were created by ERM based on the GOU FFS groundwater model utilizing PATH3D and MODFLOW.

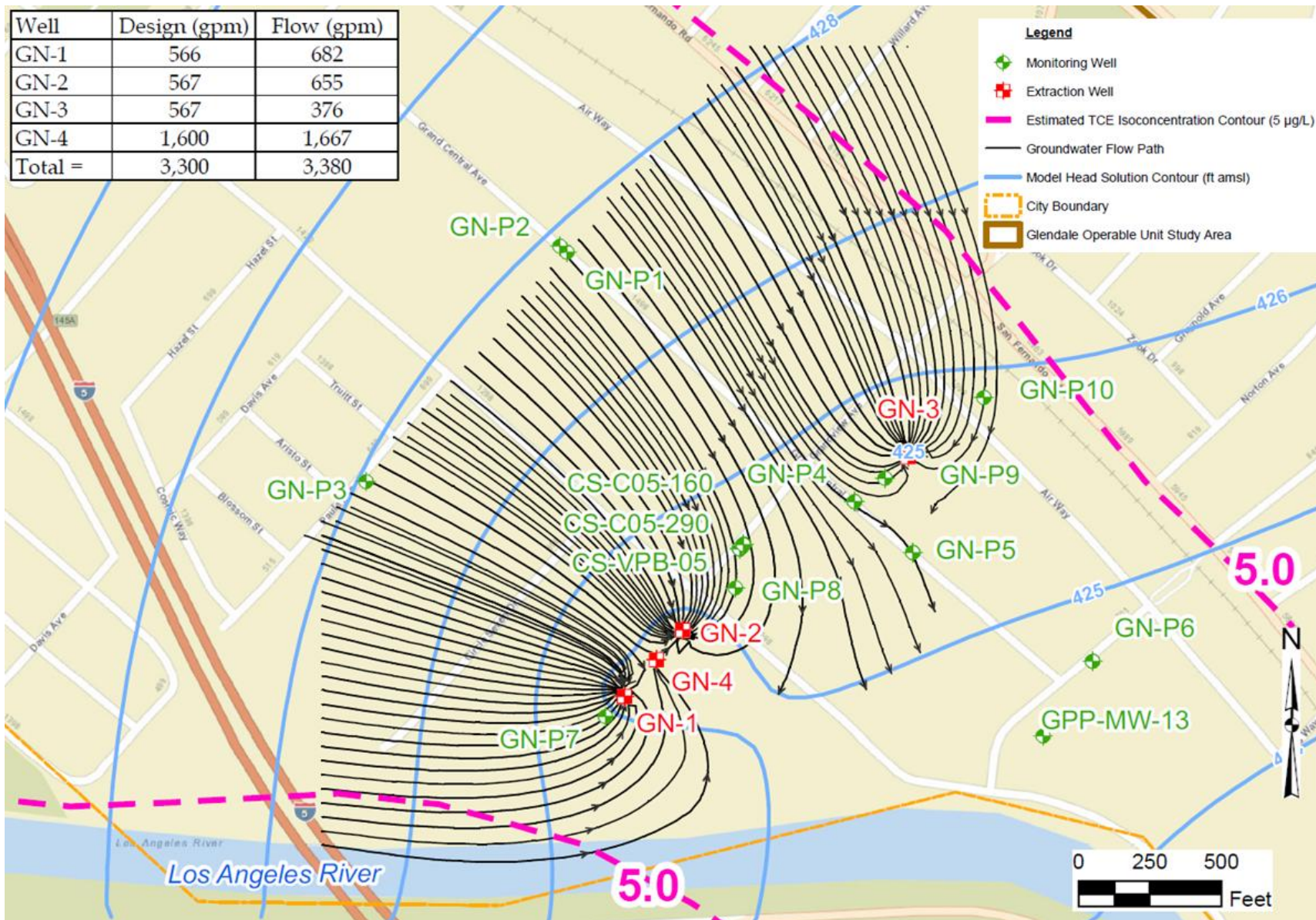


Figure 18. GNOU Hydraulic Containment Simulation at Recent Pumping Rates

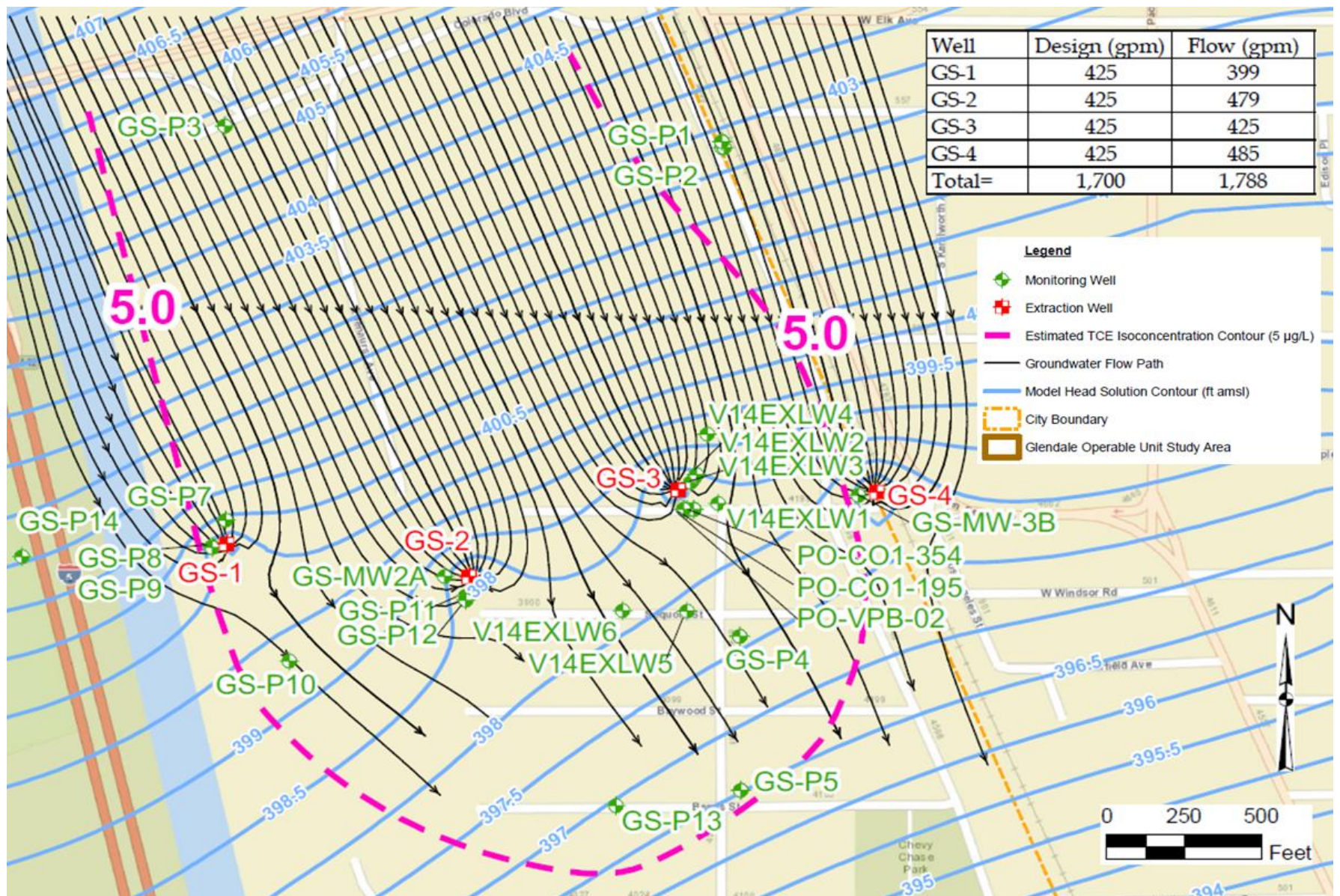


Figure 19. GSOU Hydraulic Containment Simulation at Recent Pumping Rates

6.5. Site Inspection

The GOU was inspected on Thursday, February 28, 2013. Charles Cron (CDM Smith, Lead O&M Specialist) guided the inspection. Attendees included Daniel Hutton (CDM Smith, Project Manager), ZiZi Searles (EPA, Remedial Project Manager), Leo Chan (City of Glendale Water and Power, Project Engineer), Karen Meade (CH2M Hill, Project Manager), David Sullivan (USACE, Geologist), and Aaron King (USACE, Environmental Engineer). The group met at the Glendale Water Treatment Plant. There, Mr. Cron described the operations of the air stripping and GAC treatment system and answered questions. All treatment facility components appeared to be in good condition and operating as desired. Required site documents were well organized. Both chemical feed rooms (sodium hypochlorite and blended polyphosphate) were clean and ventilated. CDM Smith appears to be very proactive when it comes to maintaining and optimizing the treatment system.

Mr. Cron then led the group on a tour of the extraction wells, beginning with extraction well GN-3 and the full-scale RCF system. Mr. Cron described the RCF process and answered questions. The RCF process was shut down in July 2012. The RCF was an automated 100-gpm process that worked very well if the hexavalent chromium goal is 5 µg/L. A smaller pilot-scale system using zero-valent iron was also on site. Then, the group traveled to the DreamWorks property, located extraction wells GN-1, GN-2, and GN-4 and inspected GN-4. Extraction well GN-4 and its vault appeared to be in good condition and operating as desired. The group then toured the GSOU extraction wells, stopping at GS-1 near the LAGWRP facility and at GS-3. Well GS-1 appeared to be in good condition. GS-1 has greater sampling requirements than the other extraction wells due to its proximity to the Los Angeles River and the NDMA detections. The WBA well-head treatment on GS-3, which treats 425 gpm, also appeared to be in good condition and operating as desired. Formaldehyde leaches from resin on startup flushing, so three large tanks are kept on site for storage and biological treatment. Resin disposal has been another issue; in addition to chromium, the resin also removes uranium (this is an unintended consequence; uranium is not a COC).

The completed Site Inspection Checklist is given in Appendix D. Site inspection photographs are provided in Appendix E.

6.6. Interviews

During the FYR process, interviews were conducted with parties impacted by the Site, including the current OU operators and regulatory agencies involved in Site activities or aware of the Site. The purpose of the interviews was to document the perceived status of the Site and any perceived problems or successes with the phases of the remedy that have been implemented to date. All of the interviews were conducted during the Site visit between February 26 and February 28, 2013. Interviews are summarized below and completed interview forms are included in Appendix C.

Charles Cron, Lead O&M Specialist, CDM Smith; and Daniel Hutton, Project Manager, CDM Smith (O&M contractor); 28 February, 2013. Mr. Cron and Mr. Hutton both agreed that the system was well-designed, is flexible, is adaptable to changing water quality regulations, and had been consistently operable and able to meet extraction and water quality requirements. There have not been problems with

access controls or the construction of the remedy. There have been no O&M problems in the last five years. The only unusual issues were with the WBA; specifically with formaldehyde leaching from new resin and with resin disposal because the resin also removes uranium.

Leighton Fong, Civil Engineer, City of Glendale Water and Power; and Leo Chan, Project Engineer, City of Glendale Water and Power; 28 February, 2013. Mr. Fong and Mr. Chan both agreed that the project is well-run; that CDM and GRG are supportive and go beyond the call of duty, and take ownership and pride in their work. The remedy is achieving the desired mass removal rates and the desired extraction rates, but there might be some leakage (regarding containment). There have not been problems with access controls or the construction of the remedy. O&M issues include: 1) sometimes wells trip (shut off due to low voltage), go offline, and sound a general alarm; to address this, CDM put electrical monitoring instruments on some of the wells; and 2) metering to air strippers failed causing a temporary shutdown until the meters were replaced within a month, but this is not unexpected since the equipment is old, so it tends to fail. Some successes with system O&M include splitting of the influent pipeline and improved reliability of the chlorine injection system. LPGAC regeneration is being considered.

Karen Meade, Project Manager, CH2M Hill (EPA oversight contractor), 28 February 2013. Ms. Meade felt the project has been impressive; the City and CDM are very proactive, and GRG seems fairly proactive and supportive of current operations. There have not been problems with access controls or the construction of the remedy. Problems with system operations/O&M include: 1) particle tracking in the Hydraulic Containment Technical Memorandum shows escape from north and south wells, even when all wells are operating, and the alternatives shown in the same memorandum still do not show complete capture; 2) PCE and TCE concentrations are above the MCL down-gradient of the south extraction wells; 3) well GN-P11 on the other side of the Los Angeles River has relatively high concentrations of PCE and TCE, so there is a question regarding new sources or sources not completely defined. Successes include waste minimization during well rehabilitation and carbon regeneration on-site.

Thomas Tsui, Associate Sanitary Engineer, CDPH; and Chi Diep, Senior Sanitary Engineer, CDPH; 27 February 2013. Mr. Tsui and Mr. Diep noted that the GOU runs better than other OUs; it's newer, and it benefited from experience of other OUs. It's easy to oversee, and it's well covered from the permit point of view. There have not been problems with access controls or the construction of the remedy. The system runs well most of the time; the only issue has been with NDMA in GS-1. Identifying the source was a problem, and there was some concern about the drinking water quality from GS-1 prior to the decommissioning of the LAGWRP detention pond. There was also a malfunction of a magnetic flow meter in the air stripping tower. It's old equipment (more than 10 years old). The extraction wells need attention to keep from failing; some wells have to be rehabilitated quite often. A current project to split the influent pipeline may change O&M procedures, but will save money and time and allow the treatment system to operate while wells are rehabilitated. Research has been completed to evaluate different hexavalent chromium treatment technologies. The only unusual issue is that, often during well rehabilitation, bacteria problems occur and take time to flush out. The sources of bacteria and E. coli aren't known, though they don't often get E. coli detections.

Larry Moore, Staff Environmental Scientist, Los Angeles RWQCB; and Alex Lapolstol, Technical Consultant, E2 Consulting Engineers; 26 February 2013. The discussion covered SFV Areas 1 and 2. Mr. Moore and Mr. Lapolstol felt that, overall, the projects are a positive thing; the only unfortunate aspect being that it takes longer than they would like to do things. However, it is a slow process. It is difficult to contain plumes the way the remedy has been operated. For the GOU, PCE, TCE, total chromium, and hexavalent chromium have been found down-gradient of well GS-3. The characterization of the GOU is insufficient. Part of the plume has gone off-site of the Excelllo facility [the Excelllo Plating Company, located about 1 mile SSE of the treatment plant, and about 100 yards from extraction well GS-3]. There have not been problems with access controls or the construction of the remedies.

Richard Slade, ULARA Watermaster; and Anthony Hicke, Assistant to the Watermaster; 28 February 2013. The discussion covered SFV Areas 1 and 2. Mr. Slade and Mr. Hicke noted that the plumes are still there and have spread more. It seems like the people involved never want to commit to anything without more data, delaying cleanup. COCs are contaminating new wells [wells not specified]. The groundwater model needs updating. The project has been frustrating because things in all OUs take too long. The remedy has not performed as expected. The plumes are as big as or bigger than they were twenty years ago. Production has moved "stuff" around. But something is better than nothing. Improvement is needed, sooner rather than later. The hydrogeology is not well defined or understood. There have not been problems with access controls or the construction of the remedies.

Tedd Yargeau, Senior Scientist, Department of Toxic Substances Control (DTSC); 6 May 2013. The discussion covered SFV Areas 1 and 2. Mr. Yargeau felt that the remedy was functioning as expected and noted that all of the remedies appear to be head in the right direction and that the projects are a positive for the SFV. Contaminant levels appear to be decreasing. DTSC does not deal directly with O&M, but is aware of EPA's O&M oversight activities. DTSC feels that EPA has done a good job managing a complex site.

6.7. Institutional Controls

There are no specifically tailored institutional control (IC) instruments in place within Area 2, although there is an effective governmental control in place to assist with the prevention of contaminated groundwater. The primary governmental control is the 1979 Final Judgment in *Los Angeles v. San Fernando*, (Superior Court Case No. 650079) (*LA v. San Fernando*). The 1979 Final Judgment in *LA v. San Fernando* upheld the Pueblo Right of the City of Los Angeles to all groundwater in the ULARA Basin from precipitation within the ULARA and all surface and groundwater flows from the Sylmar and Verdugo Basins. 14 Cal. 3d 199 (1975). *LA v. San Fernando* also established the water rights of the cities of Los Angeles, Glendale, and Burbank to all water imported from outside the Basin and either spread or delivered within the Basin. With the exception of a few legacy entities including a few cemeteries and a hotel, only the Cities that are party to the Judgment have the authority to extract groundwater from the basin.

The Final Judgment created the entity known as "Watermaster" with full authority to administer the adjudication, under the auspices of the Superior Court. Under the final judgment in *LA v. San Fernando*, with the exception of certain minor historical water rights holders, only the cities of Los Angeles,

Burbank, and Glendale are permitted to extract groundwater from the Basin. Each of these municipalities administers a public water system, which is regulated by the California Department of Public Health (CDPH).

Governmental controls on the use of groundwater as drinking water include EPA and State of California-promulgated MCLs and California State Action Levels that require drinking water standards to be met before delivery of the treated water to the potable water supply. These drinking water controls and the Watermaster's authority to regulate and allocate water resources eliminate unregulated use of area groundwater; therefore, the interim remedies are currently protective of human health.

7. Technical Assessment

7.1. *Question A: Is the remedy functioning as intended by the decision documents?*

Remedial Action Performance

The remedy is functioning as intended by the decision documents. The median and average treatment facility flow rates over the last five years are 4,831 gpm and 4,683 gpm, respectively, both of which are below the design flow rate of 5,000 gpm. The remedial action continues to provide water to the City of Glendale that meets all water quality requirements, including primary drinking water quality standards. As of late, though, the treatment system has been more consistently meeting the design flow rate. Excluding the three months when GS-2 rehabilitation was occurring (April – June 2011), the average flow rate has been greater than 5,000 gpm in 17 of the last 36 months.

The remedial action objective calling for inhibition of contaminant migration is not being met. EPA interprets the phrase “inhibition” to mean full hydraulic control of contaminated groundwater. The *Hydraulic Containment Technical Memorandum* (summarized in Section 6.4.3) provides evidence that complete capture is not achieved in either the GNOU or the GSOU. EPA is taking action to ensure that the remedy fully contains contaminated groundwater.

System Operations/O&M

Current operating procedures, as implemented, are sufficient to maintain the current level of effectiveness of the treatment system. O&M costs have slowly risen over time, in an expected and reasonable manner. Large, unexpected variances in costs have not occurred, and are not anticipated.

Opportunities for System Optimization

- Optimizing the treatment facilities sampling requirements.
- LPGAC regeneration
- Installation of an additional extraction well(s) to achieve 100% capture

Early Indicators of Potential Issues

Equipment breakdowns have been infrequent and not unexpected. The plant operator, CDM, is proactive in their approach to maintenance.

The publication of the draft MCL for hexavalent chromium and preliminary findings of the GCOU RI/FS indicate that the current GSOU and GNOU interim remedy may be inadequate to meet the goals of maintaining capture and containment for a drinking water end use at some point in the near future.

Implementation of Institutional Controls and Other Measures

There are no specifically tailored institutional control (IC) instruments in place within Area 2. However, the governmental controls in place at the site are effective in preventing exposure to contaminated groundwater.

7.2. Question B: Are the exposure assumptions, Toxicity Data, Cleanup Levels, and Remedial Action Objectives (RAOs) Used at the Time of Remedy Selection Still Valid?

Exposure assumptions and RAOs used at the time of remedy selection are still valid. Toxicity data for some VOCs have changed, but this does not affect the protectiveness of the remedy because treated water is non-detect for VOCs. Cleanup levels were not established at the time of remedy selection. No ARARs have changed in a way that would affect the protectiveness of the remedy. However, the recently released draft MCL of 10 µg/L for hexavalent chromium) may affect the duration of the remedy and/or the treatment technology being used if the current system cannot treat hexavalent chromium to the required level. Groundwater modeling and contaminant concentrations in wells downgradient of the GCOU show that full containment is not being achieved and suggests some contamination is migrating past capture zone in the GSOU.

Changes in Standards and TBCs

There have been no changes to ARARs identified in the ROD that affect the protectiveness of the remedy. The 1,4-dioxane notification level changed from 3 to 1 µg; the treatment system does not treat for 1,4-dioxane. Concentrations of 1,4-dioxane in extraction wells GS-1 and GS-2 exceeded the notification level at least once from January 2009 to October 2012; plant influent and effluent data for 1,4-dioxane were unavailable. The proposed MCL of 10 µg/L for hexavalent chromium may affect the duration of the remedy and the treatment technology being used if the treatment technology can not treat hexavalent chromium to at or below to the draft level.

Changes in Exposure Pathways

The exposure pathways evaluated in the RI have not changed, but the vapor intrusion pathway for contaminant migration has not been evaluated. New ecological routes of exposure have not been identified.

No new contaminants of concern have been identified; EPA has been aware of emerging contaminants such as hexavalent chromium, 1,4-dioxane, 1,2,3-TCP, and NDMA. The primary source of the NDMA in GS-1 was determined to be the upgradient LAGWRP pond. Discontinued use and pond draining and during the later part of 2012 has led to substantially lower NDMA concentrations in GS-1.

Formaldehyde is leached from resin during startup of the WBA process, and is being treated by microbial action in storage tanks; alternative resins are being investigated. The resin also removes uranium from the groundwater, creating a waste handling issue when it is time to dispose of the resin. Because of the manner in which these unanticipated WBA byproducts are handled, protectiveness is not affected. Physical site conditions or the understanding of these conditions has not changed.

Changes in Toxicity and Other Contaminant Characteristics

Toxicity factors for TCE, PCE, 1,4-dioxane, methylene chloride, carbon tetrachloride, cis-1,2-DCE, and 1,2,3-TCP have changed in the last five years. However, VOCs are treated to non-detect levels at the treatment system. The current GOU LPGAC vessels are used to ensure that 1,2,3-TCP does not increase to a concentration above the CDPH notification level. Other contaminant characteristics have not changed in a way that could affect the protectiveness of the remedy. Also, cleanup levels for groundwater were not selected for this site.

Changes in Risk Assessment Methods

Standardized risk assessment methodologies have not changed in a way that could affect the protectiveness of the remedies.

Expected Progress Towards Meeting RAOs

The remedy is partially meeting the RAOs set forth in the 1993 GNOU and GSOU RODs in substantial VOC contaminant mass has been removed from the shallow zone of the aquifer in and around the GNOU and GSOU wellfields. However, the remedy is not fully capturing and containing groundwater contamination. Groundwater model particle tracking and downgradient VOC and metals concentrations indicate that groundwater contaminants in the North and South Plumes are not completely captured, so contaminant migration is not inhibited. The installation of additional extraction well(s) is needed to fully achieve plume capture and containment.

7.3. Question C: Has Any Other Information Come to Light That Could Call Into Question the Protectiveness of the Remedy?

No other information has come to light which could affect the protectiveness of the remedy. There are no newly identified ecological risks. There have been no impacts from natural disasters.

7.4. Technical Assessment Summary

The extraction and treatment systems are functioning as intended by the decision documents. The remedial action continues to provide water to the City of Glendale that meets all water quality

requirements. Partial inhibition of migration is being achieved, although groundwater model particle tracking and contaminant concentrations in wells downgradient of the GSOU show that complete containment is not being achieved.

Groundwater model particle tracking results indicate that contamination is escaping between wells the GNOU and GSOU. To mitigate the escape of contamination the installation of a new extraction well in the GSOU between well GS-2 and GS-3 was proposed. EPA is working to implement the aforementioned improvements and to address areas where only partial hydraulic containment is being achieved through the installation of additional extraction wells.

Treatment plant operating procedures, as implemented, are sufficient to maintain the current level of effectiveness of that system. O&M costs are within expected norms. The plant is actively managed to improve and, where possible, optimize system operations and reduce costs. Governmental controls in place at the site are effective in preventing exposure to contaminated groundwater. There have been no changes in ARARs that would affect the protectiveness of the remedy. Regional groundwater vapor intrusion has not yet been evaluated, but may be a viable exposure pathway in Area 2. CDPH released a proposed MCL of 10 µg/L for hexavalent chromium in the August 2013 that may affect the duration of the remedy and/or the treatment technology being used if the current system cannot treat hexavalent chromium to the required level.

8. Issues

Table 10 summarizes the current issues for the San Fernando Valley Area 2 Site.

Table 10. Current Issues for the San Fernando Valley Area 2 Site

Issue	Affects Current Protectiveness (Yes or No)	Affects Future Protectiveness (Yes or No)
1. The regional groundwater vapor intrusion pathway has not been evaluated for the Area 2 Site.	Yes*	Yes
2. The remedy is not fully capturing and containing groundwater contamination.	No	Yes

* The Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS) database only accepts “Yes” or “No” entries regarding whether an issue affects current or future protectiveness. However, this protectiveness determination has been deferred because there is not enough information to make the determination. For the purposes of the CERCLIS database, a “defer” determination is equivalent to “yes” entry.

9. Recommendations and Follow-up Actions

Table 11 provides recommendations to address the current issues at the San Fernando Valley Area 2 Site.

Table 11. Recommendations to Address Current Issues at the San Fernando Valley Area 2 Site

Issue	Recommendations/ Follow-Up Actions	Party Responsible	Oversight Agency	Milestone Date	Affects Protectiveness? (Yes or No)	
					Current	Future
1	Complete an evaluation of the regional groundwater vapor intrusion pathway for the San Fernando Valley Superfund Sites.	EPA	EPA	09/2018	Yes*	Yes
2	Evaluate installation and operation of new wells to achieve plume capture and containment.	EPA	EPA	09/2016	No	Yes

* The CERCLIS database only accepts “Yes” or “No” entries regarding whether an issue affects current or future protectiveness. However, this protectiveness determination has been deferred because there is not enough information to make the determination. For the purposes of the CERCLIS database, a “defer” determination is equivalent to “yes” entry.

In addition, the following recommendations that may improve effectiveness of the remedy but do not affect current or future protectiveness were identified during the Five-Year Review:

- Involvement of the ULARA Watermaster as often as practicable in evaluation of current remedies and future designs should be explored.
- PCE and TCE were detected at levels above the MCLs in shallow monitoring well GN-P11, which is across the Los Angeles River southwest of the Glendale Water Treatment Plant. The nature and extent of contamination across the Los Angeles River in the GNOU should be more fully characterized.
- CDPH released a draft MCL of 10 µg/L in August 2013. Relevant parties should continue to monitor the situation and continue reasonable preparations to achieve the new hexavalent chromium MCL.

11. Protectiveness Statement

GNOU

A protectiveness determination of the remedy for the GNOU cannot be made at this time until further information is obtained. Further information will be obtained by evaluating the regional groundwater vapor intrusion pathway in Area 2. It is expected that a vapor intrusion investigation will take approximately five years, at which time a protectiveness determination will be made. In addition, to be protective in the long term, complete hydraulic capture of the plume must be established.

GSOU

A protectiveness determination of the remedy for the GSOU cannot be made at this time until further information is obtained. Further information will be obtained by evaluating the regional groundwater vapor intrusion pathway in Area 2. It is expected that a vapor intrusion investigation will take approximately five years, at which time a protectiveness determination will be made. In addition, to be protective in the long term, complete hydraulic capture of the plume must be established.

12. Next Five Year Review

This is a statutory Site that requires ongoing Five Year Reviews as long as waste is left on site that does not allow for unlimited use and unrestricted exposure. The next Five Year Reviews will be due within five years of the signature date of this FYR.

Appendix A: List of Documents Reviewed

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- Arcadis and Hazen and Sawyer. 2013. Chromium Research Effort by the City of Glendale, California, Project Report – Draft. Prepared by Arcadis U.S., Inc. and Hazen and Sawyer for the City of Glendale Water and Power. January 2013.
- CDM. 2003. Revised Glendale Water Treatment Plant Operations and Maintenance Manual. October 2003.
- CDM Smith. 2012. Glendale Operable Unit Extraction Well GS-2 Rehabilitation Report, Glendale, California. Prepared by CDM Smith for the Glendale Respondents Group and the City of Glendale. February 2012.
- CDM Smith. 2008-2012. Glendale Operable Unit O&M of the Upstream Facilities Progress Reports No. 87 – 146. January 2008 – December 2012.
- CH2M Hill. 2010. Results of Capture Modeling and Recommendations for Hydraulic Containment Monitoring, Glendale South Operable Unit Extraction Wells Technical Memorandum.. Prepared by CH2M Hill for EPA. February 2010.
- CH2M Hill. 2010. San Fernando Valley Basin Groundwater Elevations in Shallow Zone, December 2010. July 2011
- CH2M Hill. 2012. Final Remedial Investigation Work Plan, San Fernando Valley Area 2 Superfund Site Glendale Chromium Operable Unit. Prepared by CH2M Hill for EPA. April 2012.
- EPA. 1993. Glendale North Operable Unit Record of Decision, San Fernando Valley Area 2 Superfund Site, Los Angeles County, California. EPA Region 9. June 1993.
- EPA. 1993. Glendale South Operable Unit Record of Decision, San Fernando Valley Area 2 Superfund Site, Los Angeles County, California. EPA Region 9. June 1993.
- EPA. 2002. OSWER Draft Guidance for Evaluating the Vapor Intrusion to Indoor Air Pathway from Groundwater and Soils (Subsurface Vapor Intrusion Guidance). November 2002.
- EPA. 2008. First Five-Year Review Report for San Fernando Valley – Area 2 Superfund Site, Los Angeles County, California. EPA Region 9. September 2008.
- EPA. 2012. Vapor Intrusion Screening Level Calculator. Updated November 2012.
<http://www.epa.gov/oswer/vaporintrusion/guidance.html#Item6>
- EPA. 2013 OSWER Final Guidance for Assessing and Mitigating the Vapor Intrusion Pathway from Subsurface Sources to Indoor Air (External Review Draft). April 2013.
<http://www.epa.gov/epawaste/hazard/correctiveaction/eis/vapor/complete.pdf>

- ERM (Environmental Resources Management). 2010. Final Focused Feasibility Study Work Plan, San Fernando Valley Superfund Sites, Area 2 – Crystal Springs, Glendale North and Glendale South Operable Units. December 2010.
- ERM. 2011. Focused Feasibility Study Final Work Plan Addendum, Glendale Operable Unit – Area 2, San Fernando Valley Superfund Sites. October 2011.
- ERM. 2011. Fourth Quarter 2010 Remedial Investigation Well Sampling Report San Fernando Valley Superfund Sites Area 2 – Crystal Springs Glendale North and Glendale South Operable Units. Prepared by ERM for the Glendale Respondents Group February 2011.
- ERM. 2012. Draft Extraction Well GS-1 Evaluation Technical Memorandum, San Fernando Valley Superfund Sites Area 2 – Crystal Springs Glendale North and Glendale South Operable Units. Prepared by ERM for the Glendale Respondents Group. June 2012.
- ERM. 2012. Draft Emerging Compounds Evaluation Technical Memorandum, San Fernando Valley Superfund Sites Area 2 – Crystal Springs Glendale North and Glendale South Operable Units. Prepared by ERM for the Glendale Respondents Group. October 2012.
- ERM. 2012. Final Site Characterization Technical Memorandum, San Fernando Valley Superfund Sites Area 2 – Crystal Springs Glendale North and Glendale South Operable Units. Prepared by ERM for the Glendale Respondents Group. October 2012.
- ERM. 2012. Revised Draft Hydraulic Containment Evaluation Technical Memorandum, San Fernando Valley Superfund Sites Area 2 – Crystal Springs Glendale North and Glendale South Operable Units. Prepared by ERM for the Glendale Respondents Group. October 2012.
- James M. Montgomery, Inc. 1992. Remedial Investigation of Groundwater Contamination in the San Fernando Valley. Prepared by James M. Montgomery, Inc. and submitted to the City of Los Angeles Department of Water and Power. December 1992.
- RWQCB (California Regional Water Quality Control Board). 2002. Final Chromium VI Investigation Report, San Fernando Valley, Phase I Inspections. August 2002.
- ULARA (Upper Los Angeles River Area Watermaster). 2012. Annual Report Watermaster Service in the Upper Los Angeles River Area (ULARA) Los Angeles County, California, 2010-2011 Water Year. May 2012.

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Appendix B: Press Notices

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Press Notice

Public Notice
The United States Environmental Protection Agency (EPA)
Start of Five-Year Review of Groundwater Cleanup
San Fernando Valley Superfund Sites (Areas 1 and 2)

The EPA has begun the Second Five-Year Review (FYR) process for cleanup actions undertaken at the San Fernando Valley Superfund Sites (SFV Sites) for Areas 1 and 2. Area 1 includes North Hollywood and Burbank Operable Units (OUs). Area 2 includes Glendale North and South OUs, and the Glendale Chromium OU. EPA often addresses clean-up at a large site by breaking the site into small operable units (OUs) to manage cleanup actions. This notice addresses the FYRs for Areas 1 (North Hollywood and Burbank OUs) and 2 (Glendale North and South OUs). Upon completion of the review EPA will issue two separate reports that evaluate whether the cleanup actions for Areas 1 and 2 remain protective of human health and the environment.

The Review Process: When EPA's cleanup action leaves some waste in place or the action will take longer than five years to complete, the Superfund law requires an evaluation of the protectiveness of the cleanup systems every five years until the site has been cleaned up sufficiently to allow unrestricted use. The purpose of the FYR is to publically document the effectiveness of cleanup systems and to measure progress towards achieving cleanup goals. FYRs consist of evaluating the effectiveness of clean-up in both the short and long-term, facility inspections, and the analysis of 2008-2013 groundwater data. The FYR will report the amount of contaminant mass being removed by groundwater treatment facilities, evidence of natural processes that may assist with the breakdown of chemicals, cleanup progress within the Superfund sites, and treatment facility operations. This review also includes interviews with regulators, government officials, and community representatives. To date, previous FYR reviews conducted for Areas 1 and 2 have shown the clean-up systems to be protective of human health and the environment. The 2013 FYRs will comment on the status of 2008 recommendations and offer new recommendations if necessary. The 2008 FYR for Areas 1 and 2 are available on EPA's web page and at the information repositories listed below. Both 2013 FYR reports will be completed by September 30, 2013 and copies will be made available to the public via the websites.

Community Involvement: EPA invites the community to learn more about the Sites, the FYR review process and provide input to EPA. Interviewees can contact Jackie Lane, Community Involvement Coordinator **no later than July 31, 2013** at (415) 972-3236 or by email at lane.jackie@epa.gov to be interviewed.

Information and Repositories: **Area 1:** Burbank Public Library, 110 North Glen Oaks Blvd, Burbank, CA or call (818) 238-5580 and Los Angeles Public Library, 630 W. Fifth St., Los Angeles CA 90071 or call (213) 228-7000. **Area 2:** City of Glendale Public Library, 222 East Harvard St. Glendale, CA or call (818) 548-2021 and Los Angeles Public Library, 630 W. Fifth St., Los Angeles CA 90071 or call (213) 228-7000.

EPA Web Page: Area 1: www.epa.gov/region09/SanFernandoNorthHollywood
Area 2: www.epa.gov/region09/SanFernandoGlendale

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Appendix C: Interview Forms

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Interview Forms

Five-Year Review Interview Record			
Site:	San Fernando Valley Area 2 Superfund Site		EPA ID No: CAD980894901
Interview Type:	Visit		
Location of Visit:	GOU Treatment Facility		
Date:	2/28/2013	Time:	10:00 AM
Interviewer:	ZiZi Searles David Sullivan Aaron King	Title:	RPM Geologist Environmental Engineer
		Organization:	USEPA USACE USACE
Individuals Contacted			
Name:	Charles Cron	Title:	Lead O&M Specialist
Telephone:	(818) 550-5975	Address:	800 Flower St Glendale, CA 91201
Name:	Daniel Hutton	Title:	Project Manager
Telephone:	(909) 579-3500	Address:	9220 Cleveland Ave, Suite 100 Rancho Cucamonga, CA 91730
Summary of Conversation			
<p>1) What is your overall impression of the project (general sentiment)?</p> <p>The designers of the system did a great job. The system is flexible, even with changing water quality regulations. The system has consistently been able to operate and meet extraction and water quality requirements.</p> <p>2) What is your current role and your agency's role with respect to the site?</p> <p>Mr. Cron is the site manager and Mr. Hutton is the project manager; both ensure compliance while minimizing water loss.</p> <p>3) Have there been routine communications or activities (site visits, inspections, reporting activities, etc.) conducted by your office regarding the site? If so, please give the purpose and results.</p> <p>There are multiple points of communication every day, whether between Charles, Dan, Leo, and/or EPA. Also, there are monthly stakeholder meetings.</p> <p>4) Have there been any complaints, violations, or other incidents related to the site requiring a response by your office? If so, please give details of the events and the results of the responses.</p> <p>No.</p> <p>5) Are you aware of any events, incidents, or activities at the site such as vandalism, trespassing, or emergency responses from local authorities? If so, please give details.</p> <p>Somehow, the Glendale Police Department has received three 911 calls from the site that are not alarm triggered. It is not known why or how this occurs. All responses by local authorities have been false alarms.</p> <p>6) Is the remedy functioning as expected? How well is the remedy performing?</p> <p>Yes. The remedy is performing better than expected with respect to mass removal and extraction rates. CDPH's flexibility has been very encouraging.</p>			

7) What does the monitoring data show? Are there any trends that show contaminant levels are decreasing?

Trend charts show several COC concentrations, including VOCs and chromium, are climbing in some wells, in accordance with predictions.

8) Is there a continuous on-site O&M presence? If so, please describe staff and activities. If there is not a continuous on-site presence, describe staff and frequency of site inspection and activities.

There are operators on-site 8 hours per day, 7 days per week, daily inspections, and 24/7 remote monitoring.

9) What are the annual O&M costs for your organization's involvement at the site?

Funding has not been an issue for justifiable expenses. Roughly \$4.3 million is budgeted for the coming year.

10) Have there been any significant changes in the O&M requirements, maintenance schedules, or sampling routines since start-up or in the last five years? If so, do they affect the protectiveness of the remedy? Please describe changes and impacts.

Nothing in the last five years, excluding the WBA. And the uranium disposal issue.

11) Have there been unexpected O&M difficulties or costs at the site since start-up or in the last five years? If so, please give details.

Resin disposal has been an unexpected difficulty because of the uranium content of the spent resin (uranium originates in the groundwater and the resin removes it from the groundwater). Also, formaldehyde has been found to leach from the resin on startup, so a system to contain and treat the water used during startup has been implemented.

12) Have there been opportunities to optimize O&M or sampling efforts? Please describe changes and resultant or desired cost savings or improved efficiency.

Plant and process optimization occurred years ago. CDPH is open to reducing sampling.

13) What effects have site operations had on the surrounding community?

The plant provides 25% of the City's water supply, and the water meets drinking water standards.

14) Are you aware of any community concerns regarding the site or its operation and administration? If so, please summarize the concerns.

No.

15) Do you feel well informed about the site's activities and progress?

Yes.

16) Are you aware of any changes in Federal/State/County/Local laws and regulations that may impact the protectiveness of the site?

CDM is keeping an eye on the chromium MCL development, but also EPA's carcinogenic VOC rule.

17) Do you have any comments, suggestions, or recommendations regarding the site's management, operation, or any other aspects of the site?

No. The desires and expectations of all parties are being met. The cooperativeness of all parties makes it much easier.

Five-Year Review Interview Record			
Site:	San Fernando Valley Area 2 Superfund Site		EPA ID No: CAD980894901
Interview Type:	Visit		
Location of Visit:	City of Glendale Water and Power Office		
Date:	2/28/2013	Time:	1:00 PM
Interviewer:	ZiZi Searles David Sullivan Aaron King	Title:	RPM Geologist Environmental Engineer
		Organization:	USEPA USACE USACE
Individuals Contacted			
Name:	Leighton Fong	Title:	Civil Engineer II
		Organization:	City of Glendale Water and Power
Telephone:	(818) 548-3982	Address:	141 N Glendale Ave, Level 4 Glendale, CA 91206
Name:	Leo Chan	Title:	Project Engineer
		Organization:	City of Glendale Water and Power
Telephone:	(818) 548-3905	Address:	141 N Glendale Ave, Level 4 Glendale, CA 91206
Summary of Conversation			
<p>1) What is your overall impression of the project (general sentiment)?</p> <p>The project is well-run. CDM and GRG are supportive and go beyond the call of duty; and they take ownership and pride in their work.</p> <p>2) What is your current role and your agency's role with respect to the site?</p> <p>City owns the operable unit, oversees plant operation, and reports to CDPH, EPA, etc. Also, the City is in charge of permitting, disposal, manifesting, and invoice review. They have a focus on water loss prevention.</p> <p>3) Have there been routine communications or activities (site visits, inspections, reporting activities, etc.) conducted by your office regarding the site? If so, please give the purpose and results.</p> <p>GWP talks to Charles at least every other day, and receives daily status reports by e-mail and monthly reports.</p> <p>4) Have there been any complaints, violations, or other incidents related to the site requiring a response by your office? If so, please give details of the events and the results of the responses.</p> <p>The Bureau of Sanitation wanted to split a sample of the industrial waste discharge from GS-3 (formaldehyde), but was not notified when the last sample was taken.</p> <p>5) Are you aware of any events, incidents, or activities at the site such as vandalism, trespassing, or emergency responses from local authorities? If so, please give details.</p> <p>There has been no vandalism. Someone broke into the control panel at extraction well GS-3, but nothing was taken or broken.</p> <p>6) Is the remedy functioning as expected? How well is the remedy performing?</p> <p>The remedy is getting mass removal and the desired extraction rates, but there might be some leakage (regarding containment).</p> <p>7) What does the monitoring data show? Are there any trends that show</p>			

contaminant levels are decreasing?

VOCs remain steady. Chromium concentrations are declining in GS-3 and increasing in GN-3.

8) Is there a continuous on-site O&M presence? If so, please describe staff and activities. If there is not a continuous on-site presence, describe staff and frequency of site inspection and activities.

Charles and his staff are very conscientious and stable. They are very responsible and on top of problems.

9) What are the annual O&M costs for your organization's involvement at the site?

To be given at a later date. GRG pays for the O&M; all justified costs are fine.

10) Have there been any significant changes in the O&M requirements, maintenance schedules, or sampling routines since start-up or in the last five years? If so, do they affect the protectiveness of the remedy? Please describe changes and impacts.

Sometimes, the wells will trip (under voltage), go offline, and sound a general alarm. CDM put electrical monitoring on some of the wells.

11) Have there been unexpected O&M difficulties or costs at the site since start-up or in the last five years? If so, please give details.

Metering to the packed towers failed causing a temporary shutdown. The meters were replaced within a month. Nothing unexpected; the equipment is old, so it tends to fail.

12) Have there been opportunities to optimize O&M or sampling efforts? Please describe changes and resultant or desired cost savings or improved efficiency.

The influent splitter pipe is a positive change. LPGAC regeneration is being considered. They have improved the reliability of the chlorine injection.

13) What effects have site operations had on the surrounding community?

With the WBA at GS-3, they had to add a sound blanket because of complaints about the noise. There have not been any new complaints.

14) Are you aware of any community concerns regarding the site or its operation and administration? If so, please summarize the concerns.

No.

15) Do you feel well informed about the site's activities and progress?

Yes. The monthly stakeholder meetings keep GWP well informed.

16) Are you aware of any changes in Federal/State/County/Local laws and regulations that may impact the protectiveness of the site?

NPDES is an ongoing issue for discharging well-rehab water.

17) Do you have any comments, suggestions, or recommendations regarding the site's management, operation, or any other aspects of the site?

EPA is working on remedy optimization, and there is uncertainty regarding the new remedy.

Five-Year Review Interview Record			
Site:	San Fernando Valley Area 2 Superfund Site		EPA ID No: CAD980894901
Interview Type:	Visit		
Location of Visit:	Restaurant near GWP Offices		
Date:	2/28/2013	Time:	2:45 PM
Interviewer:	ZiZi Searles David Sullivan Aaron King	Title:	RPM Geologist Environmental Engineer
		Organization:	USEPA USACE USACE
Individuals Contacted			
Name:	Karen Meade	Title:	Project Manager
		Organization:	CH2M Hill
Telephone:	(714) 429-2000	Address:	6 Hutton Centre Drive, Suite 700 Santa Ana, CA 92707
Summary of Conversation			
<p>1) What is your overall impression of the project (general sentiment)?</p> <p>The project has been impressive. The City and CDM are very proactive and aware of requirements. Monthly meetings are effective. GRG seems fairly proactive, and supportive of current operations, and there have been no budget issues.</p> <p>2) What is your current role and your agency's role with respect to the site?</p> <p>CH2M Hill is EPA's contractor to provide oversight of ongoing remedial work.</p> <p>3) Have there been routine communications or activities (site visits, inspections, reporting activities, etc.) conducted by your office regarding the site? If so, please give the purpose and results.</p> <p>CH2M Hill attends the monthly meetings. Weekly site inspections were performed during the construction and startup of the WBA and RCF facilities.</p> <p>4) Have there been any complaints, violations, or other incidents related to the site requiring a response by your office? If so, please give details of the events and the results of the responses.</p> <p>No.</p> <p>5) Are you aware of any events, incidents, or activities at the site such as vandalism, trespassing, or emergency responses from local authorities? If so, please give details.</p> <p>As Charles talked about...</p> <p>6) Is the remedy functioning as expected? How well is the remedy performing?</p> <p>Work to date has helped inhibit migration and mass removal; containment could be better. GS-3 is not getting capture. Particle tracking in the Hydraulic Containment Technical Memorandum shows escape from north and south wells, even when all wells are operating. The alternatives shown in the same memorandum still do not show complete capture. It would be better to look at it as one OU rather than two. It is functioning as expected, but there is room for improvement, and doesn't believe there is complete containment.</p> <p>7) What does the monitoring data show? Are there any trends that show contaminant levels are decreasing?</p>			

Capture doesn't appear to have been achieved or there was a loss of capture due to GS-3 down time. PCE and TCE concentrations are above the MCL down-gradient of the south extraction wells. Down-gradient well GS-P13 (screen depth 30-50 feet) has high PCE and TCE concentrations, whereas down-gradient wells GS-P4 and GS-P5 (screened depth is deeper at approximately 100 feet) have low concentrations of PCE and TCE. Also, GN-P11 on the other side of the LA River has relatively high concentrations of PCE and TCE, which might be from a different source, so there is a question regarding new sources or sources not completely defined.

8) Is there a continuous on-site O&M presence? If so, please describe staff and activities. If there is not a continuous on-site presence, describe staff and frequency of site inspection and activities.

N/A

9) What are the annual O&M costs for your organization's involvement at the site?

N/A

10) Have there been any significant changes in the O&M requirements, maintenance schedules, or sampling routines since start-up or in the last five years? If so, do they affect the protectiveness of the remedy? Please describe changes and impacts.

The Draft O&M Manual for WBA has not been integrated to the Site O&M Manual.

11) Have there been unexpected O&M difficulties or costs at the site since start-up or in the last five years? If so, please give details.

As Charles said earlier, plus resin issues at the WBA, but it's being worked on. Looking at re-activated carbon use. Should look at other resins that don't produce the formaldehyde issue.

12) Have there been opportunities to optimize O&M or sampling efforts? Please describe changes and resultant or desired cost savings or improved efficiency.

Waste minimization during well rehabilitation; carbon regeneration on-site

13) What effects have site operations had on the surrounding community?

There was a noise issue at the WBA, but it was addressed through the use of noise attenuation blankets.

14) Are you aware of any community concerns regarding the site or its operation and administration? If so, please summarize the concerns.

No.

15) Do you feel well informed about the site's activities and progress?

Yes.

16) Are you aware of any changes in Federal/State/County/Local laws and regulations that may impact the protectiveness of the site?

Only the chromium MCL to be released in the summer.

17) Do you have any comments, suggestions, or recommendations regarding the site's management, operation, or any other aspects of the site?

No. Charles is very proactive on permitting and other issues.

ive-Year Review Interview Record			
Site:	San Fernando Valley Area 2 Superfund Site		EPA ID No: CAD980894901
Interview Type:	Visit		
Location of Visit:	CDPH Office		
Date:	2/27/2013	Time:	3:40 PM
Interviewer:	ZiZi Searles David Sullivan Aaron King	Title:	RPM Geologist Environmental Engineer
Organization:	USEPA USACE USACE		
Individuals Contacted			
Name:	Thomas Tsui	Title:	Associate Sanitary Engineer
Organization:	CDPH		
Telephone:	(818) 551-2036	Address:	500 N Central Ave, Suite 500 Glendale, CA 91203
Name:	Chi Diep	Title:	Senior Sanitary Engineer
Organization:	CDPH		
Telephone:	(818) 551-2039	Address:	500 N Central Ave, Suite 500 Glendale, CA 91203
Summary of Conversation			
<p>1) What is your overall impression of the project (general sentiment)?</p> <p>It runs better than other OUs, it's newer, and so it benefited from experience of other OUs. It's easy to oversee, and it's well covered from the permit point of view.</p> <p>2) What is your current role and your agency's role with respect to the site?</p> <p>To ensure potable water produced by the site meets standards and policy requirements for impaired sources. Review reports, be involved in future design changes, and to evaluate hexavalent chromium treatment.</p> <p>3) Have there been routine communications or activities (site visits, inspections, reporting activities, etc.) conducted by your office regarding the site? If so, please give the purpose and results.</p> <p>Gets monthly reports, sampling reports, and does an inspection every 3 years. 2010 was the last inspection - nothing unique noted.</p> <p>4) Have there been any complaints, violations, or other incidents related to the site requiring a response by your office? If so, please give details of the events and the results of the responses.</p> <p>99.5% of the time it runs good. Only issue has been with NDMA in GS-1. Identifying the source was a problem, and there was some concern about the drinking water quality from GS-1 prior to the decommissioning of the LAGWRP detention pond. There was also a malfunction of a mag meter in the air stripping tower. It's old equipment, more than 10 years old. The extraction wells need attention to keep from failing. They have to rehab some wells every year, but others not as often.</p> <p>5) Are you aware of any events, incidents, or activities at the site such as vandalism, trespassing, or emergency responses from local authorities? If so, please give details.</p> <p>There are occasional access issues with DreamWorks, but otherwise, there are no issues. The site is secure.</p> <p>6) Is the remedy functioning as expected? How well is the remedy performing?</p> <p>Remedy functions as expected; it meets expectations and treatment goals, and there haven't been any violations.</p> <p>7) What does the monitoring data show? Are there any trends that show contaminant levels are decreasing?</p>			

There aren't any decreasing trends; it's pretty steady, though hexavalent chromium is increasing a little.

8) Is there a continuous on-site O&M presence? If so, please describe staff and activities. If there is not a continuous on-site presence, describe staff and frequency of site inspection and activities.

Yes. Personnel are there every day and there is a SCADA system.

9) What are the annual O&M costs for your organization's involvement at the site?

N/A

10) Have there been any significant changes in the O&M requirements, maintenance schedules, or sampling routines since start-up or in the last five years? If so, do they affect the protectiveness of the remedy? Please describe changes and impacts.

No, but there is project coming up that requires separation of a pipeline that may change O&M procedures. GOU wells in general are only 200 feet deep, so when they do the rehabs, per industry standards, they often get bacteria problems that take time to flush out. The sources of bacteria and E. coli aren't known, though they don't often get E. coli hits.

11) Have there been unexpected O&M difficulties or costs at the site since start-up or in the last five years? If so, please give details.

The only thing has been the mag meter in the tower. It took 4-7 days to change.

12) Have there been opportunities to optimize O&M or sampling efforts? Please describe changes and resultant or desired cost savings or improved efficiency.

The pipeline separation project will be a money and time saving improvement. There's also the hex chrome research.

13) What effects have site operations had on the surrounding community?

Some residents have complained of noise near the WBA wellhead treatment. The OU put sound blankets up in response.

14) Are you aware of any community concerns regarding the site or its operation and administration? If so, please summarize the concerns.

An elected official has voiced desire to have CDPH attend board meetings of the LA county board of supervisors, regarding hex chrome, but they haven't done that yet.

15) Do you feel well informed about the site's activities and progress?

Yes. City of Glendale has gone through significant personnel changes lately, so the contacts aren't as tight as they used to be.

16) Are you aware of any changes in Federal/State/County/Local laws and regulations that may impact the protectiveness of the site?

The only thing is the upcoming hexavalent chromium MCL. That, and the reduction in the 1,4 dioxane NL.

17) Do you have any comments, suggestions, or recommendations regarding the site's management, operation, or any other aspects of the site?

It runs well, but there's always room for improvement, but nothing in particular. GRG and CDM have been responsive and CDPH appreciates EPA's involvement with GS-1. Overall, a great team effort.

Five-Year Review Interview Record			
Site:	San Fernando Valley Areas 1 and 2 Superfund Sites		EPA ID No: CAD980894901
Interview Type:	Visit		
Location of Visit:	Los Angeles Regional Water Quality Control Board Office		
Date:	2/26/2013	Time:	3:00 PM
Interviewer:	ZiZi Searles David Sullivan Aaron King	Title:	RPM Geologist Environmental Engineer
		Organization:	USEPA USACE USACE
Individuals Contacted			
Name:	Larry Moore	Title:	Staff Environmental Scientist
		Organization:	Los Angeles RWQCB
Telephone:	(213) 576-6730	Address:	320 W 4th Street Suite 200 Los Angeles, CA 90013
Name:	Alex Lapolstol	Title:	Technical Consultant
		Organization:	E2 Consulting Engineers
Telephone:	(213) 576-6801	Address:	320 W 4th Street Suite 200 Los Angeles, CA 90013
Summary of Conversation			
<p>1) What is your overall impression of the project (general sentiment)?</p> <p>It's a positive project; the only unfortunate thing being that it takes longer than they would like to do things. However, it is a slow process because of due process.</p> <p>2) What is your current role and your agency's role with respect to the site?</p> <p>RWQCB works to identify PRPs, and make sure PRPs are in compliance and responsible. Mr. Moore works as a state employee on site cleanup with an emphasis on chromium, but is still involved with VOCs. Mr. Lapolstol provides support on behalf of EPA to identify chromium PRPs (though in some cases VOCs and chromium overlap), fulfill EPA information needs, and assist the state in enforcing the water code.</p> <p>3) Have there been routine communications or activities (site visits, inspections, reporting activities, etc.) conducted by your office regarding the site? If so, please give the purpose and results.</p> <p>RWQCB conducts site inspections, reviews work plans, completes chemical use questionnaires from PRPs, and oversees the cleanup process. EPA provides concurrence with cleanup levels. Mr. Lapolstol is the "eyes and ears" of EPA so that EPA isn't surprised by what the RWQCB is doing.</p> <p>4) Have there been any complaints, violations, or other incidents related to the site requiring a response by your office? If so, please give details of the events and the results of the responses.</p> <p>There have been no public complaints, and no PRP complaints that have required a response. Glendale, Burbank, and LADWP complain about the slow pace of investigations and response times of EPA and RWQCB. PRPs complain about paying for cleanup.</p> <p>5) Are you aware of any events, incidents, or activities at the site such as vandalism, trespassing, or emergency responses from local authorities? If so, please give details.</p> <p>No, though residents near the former Excelllo plating facility admitted to trespassing and rolling around in the dirt when the facility was still operational, but that did not occur in the last five years.</p> <p>6) Is the remedy functioning as expected? How well is the remedy performing?</p>			

For the NHO, EPA has spent lots of money on the remedy, but unless LADWP uses appropriate pumping rates, it's a moot point; they're just spreading contamination around. It is difficult to contain plumes the way the remedy has been operated. For the GOU, PCE, TCE, total chromium, and hexavalent chromium have been found down gradient of GS-3. The characterization of the GOU is insufficient. Part of the plume has gone off-site of the Excella facility.

7) What does the monitoring data show? Are there any trends that show contaminant levels are decreasing?

The BOU has not been completely assessed in regard to chromium. Honeywell (NHO) has been remediating an on-site source by injecting calcium polysulfide, and has been seeing reductions in off-site wells. Decreasing chromium concentrations have not been observed in the GOU; the plume appears to be shifting, rather than decreasing in concentrations.

8) Is there a continuous on-site O&M presence? If so, please describe staff and activities. If there is not a continuous on-site presence, describe staff and frequency of site inspection and activities.

RWQB has no day-to-day interactions with facilities, but receives monthly updates from the GOU.

9) What are the annual O&M costs for your organization's involvement at the site?

N/A

10) Have there been any significant changes in the O&M requirements, maintenance schedules, or sampling routines since start-up or in the last five years? If so, do they affect the protectiveness of the remedy? Please describe changes and impacts.

N/A

11) Have there been unexpected O&M difficulties or costs at the site since start-up or in the last five years? If so, please give details.

N/A

12) Have there been opportunities to optimize O&M or sampling efforts? Please describe changes and resultant or desired cost savings or improved efficiency.

N/A

13) What effects have site operations had on the surrounding community?

For example, the BOU is pumping their own water, meaning they don't have to purchase all of their water from the Metropolitan Water District. The water is clean, and no one sees the plant; it's a great benefit. In general, the public is interested. If the site has a Cleanup and Abatement Order, the PRP must do community outreach before RWQCB will issue a closure.

14) Are you aware of any community concerns regarding the site or its operation and administration? If so, please summarize the concerns.

Nothing to add; refer to response to question 13.

15) Do you feel well informed about the site's activities and progress?

Yes. The updates and contact with EPA are sufficient.

16) Are you aware of any changes in Federal/State/County/Local laws and regulations that may impact the protectiveness of the site?

OEHHA developed a PHG for hexavalent chromium, which is the precursor for development of an MCL. This will result in higher costs for treatment facilities, which will be passed on to consumers.

17) Do you have any comments, suggestions, or recommendations regarding the site's management, operation, or any other aspects of the site?

No.

Five-Year Review Interview Record					
Site:		San Fernando Valley Areas 1 and 2 Superfund Sites		EPA ID No: CAD980894901	
Interview Type:		Visit			
Location of Visit:		ULARA Watermaster Office			
Date:		2/28/2013		Time: 4:00 PM	
Interviewer:		Title:		Organization	
ZiZi Searles		RPM		USEPA	
David Sullivan		Geologist		USACE	
Aaron King		Environmental Engineer		USACE	
Individuals Contacted					
Name:		Title:		Organization:	
Richard Slade		ULARA Watermaster		ULARA Watermaster	
Telephone:		Address:			
(818) 506-0418		12750 Ventura Blvd, Suite 202 Studio City, CA 91604			
Name:		Title:		Organization:	
Anthony Hicke		Assistant to the Watermaster		ULARA Watermaster	
Telephone:		Address:			
(818) 506-0418		12750 Ventura Blvd, Suite 202 Studio City, CA 91604			
Summary of Conversation					
<p>1) What is your overall impression of the project (general sentiment)?</p> <p>The plumes are still there and have spread more. It seems like the people involved never want to commit to anything without more data, delaying cleanup. COCs are contaminating new wells, and newly contaminating old ones. The model needs updating. The project has been frustrating because things in all OUs take too long.</p> <p>2) What is your current role and your agency's role with respect to the site?</p> <p>Court-appointed Watermaster. The Watermaster accounts for extractions and protects the pumping rights and water quality in the Upper Los Angeles River Area per the 1979 judgment.</p> <p>3) Have there been routine communications or activities (site visits, inspections, reporting activities, etc.) conducted by your office regarding the site? If so, please give the purpose and results.</p> <p>There are Quarterly EPA meetings. GOU and BOU extraction reports are provided, though the Watermaster was unaware that 14 more wells had been installed at the GOU. There are Quarterly Administrative Committee meetings as part of the judgment.</p> <p>4) Have there been any complaints, violations, or other incidents related to the site requiring a response by your office? If so, please give details of the events and the results of the responses.</p> <p>N/A</p> <p>5) Are you aware of any events, incidents, or activities at the site such as vandalism, trespassing, or emergency responses from local authorities? If so, please give details.</p> <p>N/A</p> <p>6) Is the remedy functioning as expected? How well is the remedy performing?</p>					

No. The remedy has not performed as expected. The plumes are as big or bigger than they were twenty years ago. Production has moved "stuff" around. But something is better than nothing. A lot of improvement is needed, sooner rather than later. There is a goal, and it has to be met. The Judge might be unhappy if the Watermaster were to give her an update on the Sites.

7) What does the monitoring data show? Are there any trends that show contaminant levels are decreasing?

The Watermaster has only seen plume maps, but would like to see more depth-discrete plume maps.

8) Is there a continuous on-site O&M presence? If so, please describe staff and activities. If there is not a continuous on-site presence, describe staff and frequency of site inspection and activities.

N/A

9) What are the annual O&M costs for your organization's involvement at the site?

N/A

10) Have there been any significant changes in the O&M requirements, maintenance schedules, or sampling routines since start-up or in the last five years? If so, do they affect the protectiveness of the remedy? Please describe changes and impacts.

N/A

11) Have there been unexpected O&M difficulties or costs at the site since start-up or in the last five years? If so, please give details.

N/A

12) Have there been opportunities to optimize O&M or sampling efforts? Please describe changes and resultant or desired cost savings or improved efficiency.

The wells should be pumped more efficiently to capture the most contamination, through, for example, the use of packers and static spinners.

13) What effects have site operations had on the surrounding community?

The wells cannot be pumped to safe yield or are forced to exceed safe yield, which ultimately means it costs more for customers to buy water, due in part to cities having to buy outside water. The region will need a new safe yield study soon.

14) Are you aware of any community concerns regarding the site or its operation and administration? If so, please summarize the concerns.

N/A

15) Do you feel well informed about the site's activities and progress?

The Watermaster receives a lot of PRP reports (not all of them), but trusts regulators to review these. The Watermaster likes to be kept informed.

16) Are you aware of any changes in Federal/State/County/Local laws and regulations that may impact the protectiveness of the site?

Yes.

17) Do you have any comments, suggestions, or recommendations regarding the site's management, operation, or any other aspects of the site?

Older wells in the NHOU and BOU lack sanitary seals. Static surveys should be performed to ascertain the direction of groundwater flow within the wells. Also, it cannot be assumed that water removed from the same depth at different wells comes from the same aquifer system; the hydrogeology is not well defined or understood.

Five-Year Review Interview Record			
Site:	San Fernando Valley Area 1 and Area 2 Superfund Sites		EPA ID No: CAD980894893
Interview Type:	Phone		
Location of Visit:	N/A		
Date:	5/6/2013	Time:	11:00 AM
Interviewer:	ZiZi Searles Aaron King	Title: RPM Environmental Engineer	Organization: USEPA USACE
Individuals Contacted			
Name:	Tedd Yargeau	Title:	Senior Scientist
Telephone:	(818) 212-5340	Address:	9211 Oakdale Avenue Chatsworth, CA 91311
Summary of Conversation			
<p>1) What is your overall impression of the project (general sentiment)?</p> <p>Overall, the projects are very good. Things are moving forward with the GCOU and things are going well with the BOU. There have been some issues in the NHOU with bringing in other responsible parties.</p> <p>2) What is your current role and your agency's role with respect to the site?</p> <p>Peer-reviewing documents. DTSC ensures that the state's interests are represented.</p> <p>3) Have there been routine communications or activities (site visits, inspections, reporting activities, etc.) conducted by your office regarding the site? If so, please give the purpose and results.</p> <p>There have been no recent site visits, though DTSC is well aware of what is going on due to communications from EPA and PRPs.</p> <p>4) Have there been any complaints, violations, or other incidents related to the site requiring a response by your office? If so, please give details of the events and the results of the responses.</p> <p>No.</p> <p>5) Are you aware of any events, incidents, or activities at the site such as vandalism, trespassing, or emergency responses from local authorities? If so, please give details.</p> <p>No.</p> <p>6) Is the remedy functioning as expected? How well is the remedy performing?</p> <p>The remedies are functioning for the most part with the exception of the NHOU (regarding containment). However, all of the remedies are headed in the right direction.</p> <p>7) What does the monitoring data show? Are there any trends that show contaminant levels are decreasing?</p> <p>Contaminant levels are definitely decreasing, except for hexavalent chromium in some wells in the NHOU.</p>			

8) Is there a continuous on-site O&M presence? If so, please describe staff and activities. If there is not a continuous on-site presence, describe staff and frequency of site inspection and activities.

There is no oversight on behalf of the state but DTSC is aware of EPA's oversight.

9) What are the annual O&M costs for your organization's involvement at the site?

N/A

10) Have there been any significant changes in the O&M requirements, maintenance schedules, or sampling routines since start-up or in the last five years? If so, do they affect the protectiveness of the remedy? Please describe changes and impacts.

The only new thing is the new and emerging compounds, especially hexavalent chromium. The second remedy for the NHOU will treat for hexavalent chromium, and the GOU is actively working on a chromium remedy.

11) Have there been unexpected O&M difficulties or costs at the site since start-up or in the last five years? If so, please give details.

Bringing more PRPs on board has been a challenge in the NHOU.

12) Have there been opportunities to optimize O&M or sampling efforts? Please describe changes and resultant or desired cost savings or improved efficiency.

EPA has been trying to be more efficient in sampling by reducing the number of mobilizations.

13) What effects have site operations had on the surrounding community?

DTSC has not heard any complaints; EPA has been running a great outreach program.

14) Are you aware of any community concerns regarding the site or its operation and administration? If so, please summarize the concerns.

There was a recent inquiry regarding a real estate purchase in the San Fernando Valley and whether the presence of the contamination could affect the value of the property. DTSC responded that property values would not be affected.

15) Do you feel well informed about the site's activities and progress?

Yes. EPA has actively notified DTSC.

16) Are you aware of any changes in Federal/State/County/Local laws and regulations that may impact the protectiveness of the site?

The MCL for hexavalent chromium may impact protectiveness, and the challenge has been how to address it. EPA has moved in the right direction, and technologies are being tested that could treat hexavalent chromium down to what the MCL might be.

17) Do you have any comments, suggestions, or recommendations regarding the site's management, operation, or any other aspects of the site?

No. EPA has done a very good job at managing a complex project, and DTSC certainly appreciates it.

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Appendix D: Site Inspection Checklist

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Site Inspection Checklist

I. SITE INFORMATION	
Site name: San Fernando Valley- Area 2	Date of inspection: 28 February 2013
Location: Glendale/Los Angeles County/California	EPA ID: CAD980894901
Agency, office, or company leading the five-year review: USACE	Weather/temperature Sunny, calm wind, 73 degrees F
Remedy Includes: (Check all that apply) <div style="display: flex; flex-wrap: wrap; justify-content: space-between; margin-top: 10px;"> <div style="width: 45%;"> ☐ Landfill cover/containment ☒ Access controls ☒ Institutional controls ☒ Groundwater pump and treatment ☐ Surface water collection and treatment ☐ Other: _____ </div> <div style="width: 45%;"> ☐ Monitored natural attenuation ☒ Groundwater containment ☐ Vertical barrier walls </div> </div>	
Attachments: ☐ Inspection team roster attached ☐ Site map attached	
II. INTERVIEWS (Check all that apply)	
1. O&M site manager <u>Charles Cron</u> <u>Lead O&M Specialist</u> <u>28 February 2013</u>	
Name	Title Date
Interviewed ☒ at site ☐ at office ☐ by phone	
Problems, suggestions; ☒ Report attached <u>See Appendix C</u>	
2. O&M staff _____	
Name	Title Date
Interviewed ☐ at site ☐ at office ☐ by phone	
Problems, suggestions; ☐ Report attached <u>See Appendix C</u>	

3. **Local regulatory authorities and response agencies** (i.e., State and Tribal offices, emergency response office, police department, office of public health or environmental health, zoning office, recorder of deeds, or other city and county offices, etc.) Fill in all that apply.

Agency: RWQCB

Contact: Larry Moore Staff Environmental Scientist 26 February 2013

Name	Title	Date
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Problems; suggestions; ☒ Report attached See Appendix C

Agency: EPA Consultant

Contact: Alex Lapolstol Technical Consultant 26 February 2013

Name	Title	Date
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Problems; suggestions; ☒ Report attached See Appendix C

Agency: CDPH

Contact: Thomas Tsui Associate Sanitary Engineer 27 February 2013

Name	Title	Date
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Problems; suggestions; ☒ Report attached See Appendix C

Agency: City of Glendale Water and Power

Contact: Leighton Fong Civil Engineer II 28 February 2013

Name	Title	Date
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Problems; suggestions; ☒ Report attached See Appendix C

4. **Other interviews** (optional) ☒ Report attached.

Karen Meade, CH2M Hill; Richard Slade and Anthony Hicke, ULARA Watermaster; Leo Chan, City of Glendale Water and Power; Chi Diep, CDPH; Dan Sutton; CDM Smith; See Appendix C

III. ON-SITE DOCUMENTS & RECORDS VERIFIED (Check all that apply)

1. **O&M Documents**

☒ O&M manual	☒ Readily available	☒ Up to date	☐ N/A
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☒ As-built drawings	☒ Readily available	☒ Up to date	☐ N/A
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☒ Maintenance logs	☒ Readily available	☒ Up to date	☐ N/A
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Remarks Monthly reports show daily maintenance logs

2. **Site-Specific Health and Safety Plan** ☒ Readily available ☒ Up to date ☐ N/A

☒ Contingency plan/emergency response plan	☒ Readily available	☒ Up to date	☐ N/A
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Remarks None

3.	O&M and OSHA Training Records	☒ Readily available	☒ Up to date	☐ N/A
Remarks <u>Training records are also tracked on a corporate system</u>				
4.	Permits and Service Agreements			
	☒ Air discharge permit	☒ Readily available	☒ Up to date	☐ N/A
	☐ Effluent discharge	☐ Readily available	☐ Up to date	☐ N/A
	☐ Waste disposal, POTW	☐ Readily available	☐ Up to date	☐ N/A
	☒ Other permits <u>CDPH</u>	☒ Readily available	☒ Up to date	☐ N/A
Remarks <u>None</u>				
5.	Gas Generation Records	☐ Readily available	☐ Up to date	☒ N/A
Remarks <u>None</u>				
6.	Settlement Monument Records	☐ Readily available	☐ Up to date	☒ N/A
Remarks <u>None</u>				
7.	Groundwater Monitoring Records	☒ Readily available	☒ Up to date	☐ N/A
Remarks <u>None</u>				
8.	Leachate Extraction Records	☐ Readily available	☐ Up to date	☒ N/A
Remarks <u>None</u>				
9.	Discharge Compliance Records			
	☐ Air	☐ Readily available	☐ Up to date	☐ N/A
	☒ Water (effluent)	☒ Readily available	☒ Up to date	☐ N/A
Remarks <u>None</u>				
10.	Daily Access/Security Logs	☒ Readily available	☒ Up to date	☐ N/A
Remarks <u>None</u>				
IV. O&M COSTS				
1.	O&M Organization			
	☐ State in-house	☐ Contractor for State		
	☐ PRP in-house	☐ Contractor for PRP		
	☐ Federal Facility in-house	☐ Contractor for Federal Facility		
	☒ Other Contractor <u>CDM Smith is contracted by the City of Glendale.</u>			

2.	O&M Cost Records ☒ Readily available ☒ Up to date ☒ Funding mechanism/agreement in place Original O&M cost estimate ☐ Breakdown attached Total annual cost by year for review period if available From <u>Jan 2010</u> To <u>Dec 2010</u> <u>\$2,917,282.34</u> ☒ Breakdown attached Date Date Total cost From <u>Jan 2011</u> To <u>Dec 2011</u> <u>\$3,224,070.94</u> ☒ Breakdown attached Date Date Total cost From <u>Jan 2012</u> To <u>Dec 2012</u> <u>\$3,157,578.17</u> ☒ Breakdown attached Date Date Total cost		
3.	Unanticipated or Unusually High O&M Costs During Review Period Describe costs and reasons: <u>None</u>		
V. ACCESS AND INSTITUTIONAL CONTROLS ☒ Applicable ☐ N/A			
A. Fencing			
1.	Fencing damaged ☐ Location shown on site map ☒ Gates secured ☐ N/A Remarks <u>Security fence and gate in good condition.</u>		
B. Other Access Restrictions			
1.	Signs and other security measures ☐ Location shown on site map ☐ N/A Remarks <u>Has 4 surveillance cams, which are monitored at the power substation. There are intrusion alarms at all buildings, well covers, and control panels.</u>		
C. Institutional Controls (ICs)			

1.	Implementation and enforcement	
	Site conditions imply ICs not properly implemented	☐ Yes ☒ No ☐ N/A
	Site conditions imply ICs not being fully enforced	☐ Yes ☒ No ☐ N/A
	Type of monitoring (<i>e.g.</i> , self-reporting, drive by) <u>N/A</u>	
	Frequency <u>N/A</u>	
	Responsible party/agency <u>N/A</u>	
	Reporting is up-to-date	☐ Yes ☐ No ☐ N/A
	Reports are verified by the lead agency	☐ Yes ☐ No ☐ N/A
	Specific requirements in deed or decision documents have been met	☐ Yes ☐ No ☒ N/A
	Violations have been reported	☐ Yes ☐ No ☒ N/A
	Other problems or suggestions: ☐ Report attached	
	<u>No problems or suggestions; See Section 6.7</u>	
2.	Adequacy ☒ ICs are adequate ☐ ICs are inadequate ☐ N/A	
	Remarks <u>None</u>	
D. General		
1.	Vandalism/trespassing ☐ Location shown on site map ☐ No vandalism evident	
	Remarks <u>No trespassing. Minor graffiti on front gate and an exposed pipeline near the Los Angeles River.</u>	
2.	Land use changes on site ☒ N/A	
	Remarks <u>None</u>	
3.	Land use changes off site ☒ N/A	
	Remarks <u>None</u>	
VI. GENERAL SITE CONDITIONS		
A. Roads ☒ Applicable ☐ N/A		
1.	Roads damaged ☐ Location shown on site map ☒ Roads adequate ☐ N/A	
	Remarks <u>None</u>	
B. Other Site Conditions		
	Remarks <u>In general, site is clean and in good condition.</u>	
VII. LANDFILL COVERS ☐ Applicable ☒ N/A		
VIII. VERTICAL BARRIER WALLS ☐ Applicable ☒ N/A		

IX. GROUNDWATER/SURFACE WATER REMEDIES ☒ Applicable ☐ N/A	
A. Groundwater Extraction Wells, Pumps, and Pipelines ☒ Applicable ☐ N/A	
1.	Pumps, Wellhead Plumbing, and Electrical ☒ Good condition ☒ All required wells properly operating ☐ Needs Maintenance ☐ N/A Remarks <u>None</u>
2.	Extraction System Pipelines, Valves, Valve Boxes, and Other Appurtenances ☒ Good condition ☐ Needs Maintenance Remarks <u>None</u>
3.	Spare Parts and Equipment ☒ Readily available ☒ Good condition ☐ Requires upgrade ☐ Needs to be provided Remarks <u>None</u>
B. Surface Water Collection Structures, Pumps, and Pipelines ☐ Applicable ☒ N/A	
C. Treatment System ☒ Applicable ☐ N/A	
1.	Treatment Train (Check components that apply) ☒ Metals removal ☐ Oil/water separation ☐ Bioremediation ☒ Air stripping ☒ Carbon adsorbers ☐ Filters _____ ☒ Additive (<i>e.g.</i> , chelation agent, flocculent) <u>Polyphosphate antiscalant</u> ☐ Others _____ ☒ Good condition ☐ Needs Maintenance ☒ Sampling ports properly marked and functional ☒ Sampling/maintenance log displayed and up to date ☒ Equipment properly identified ☒ Quantity of groundwater treated annually <u>7,180 – 8,000 acre-ft</u> ☐ Quantity of surface water treated annually <u>None</u> Remarks <u>None</u>
2.	Electrical Enclosures and Panels (properly rated and functional) ☐ N/A ☒ Good condition ☐ Needs Maintenance Remarks <u>None</u>

3.	Tanks, Vaults, Storage Vessels ☐ N/A ☒ Good condition ☒ Proper secondary containment ☐ Needs Maintenance Remarks <u>Materials in tanks properly identified</u>
4.	Discharge Structure and Appurtenances ☐ N/A ☒ Good condition ☐ Needs Maintenance Remarks <u>None</u>
5.	Treatment Building(s) ☐ N/A ☒ Good condition (esp. roof and doorways) ☐ Needs repair ☒ Chemicals and equipment properly stored Remarks <u>None</u>
6.	Monitoring Wells (pump and treatment remedy) ☐ Properly secured/locked ☐ Functioning ☐ Routinely sampled ☐ Good condition ☐ All required wells located ☐ Needs Maintenance ☐ N/A Remarks <u>Monitoring wells were not visited on the site inspection</u>
D. Monitoring Data	
1.	Monitoring Data ☒ Is routinely submitted on time ☒ Is of acceptable quality
2.	Monitoring data suggests: ☐ Groundwater plume is effectively contained ☐ Contaminant concentrations are declining
E. Monitored Natural Attenuation	
1.	Monitoring Wells (natural attenuation remedy) ☐ Properly secured/locked ☐ Functioning ☐ Routinely sampled ☐ Good condition ☐ All required wells located ☐ Needs Maintenance ☐ N/A Remarks <u>This is not an MNA remedy, it is a containment remedy.</u>
X. OTHER REMEDIES	
<u>N/A</u>	

XI. OVERALL OBSERVATIONS	
A. Implementation of the Remedy	
	<p>Describe issues and observations relating to whether the remedy is effective and functioning as designed. Begin with a brief statement of what the remedy is to accomplish (i.e., to contain contaminant plume, minimize infiltration and gas emission, etc.).</p> <p><u>The purposes of the remedy are plume containment, mass removal, and maintaining an extraction rate of 5,000 gpm. Mass removal and the targeted extraction rate are being achieved, but the extent of plume containment is unknown. The only challenge has been extraction well maintenance routines; wastewater is generated and must be dealt with. Routine operations have not been affected by bacteria; bacteria is only an issue during well rehabilitation.</u></p>
B. Adequacy of O&M	
	<p>Describe issues and observations related to the implementation and scope of O&M procedures. In particular, discuss their relationship to the current and long-term protectiveness of the remedy.</p> <p><u>There have been no O&M challenges along these lines in the last 5 years. Adequate time has been available to schedule any necessary maintenance.</u></p>
C. Early Indicators of Potential Remedy Problems	
	<p>Describe issues and observations such as unexpected changes in the cost or scope of O&M or a high frequency of unscheduled repairs that suggest that the protectiveness of the remedy may be compromised in the future.</p> <p><u>None</u></p>
D. Opportunities for Optimization	
	<p>Describe possible opportunities for optimization in monitoring tasks or the operation of the remedy.</p> <p><u>The influent line pipe was split so that the system would not have to completely shut down during well rehabilitation. CDM Smith is looking at different ways to treat or use wastewater generated during well rehab. Looking to recycle backwash water through the plant, which CDPH is considering. CDPH has shown an increased willingness to allow increased flow rates though LPGAC units during change outs.</u></p>

Glendale Operable Unit
O&M Expenses

2010	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC	TOTAL
City Utility Charges	34,682.28	27,333.07	33,882.34	24,428.91	30,388.72	34,838.95	32,389.30	46,684.20	32,732.81	33,423.51	35,183.25	30,844.46	396,811.80
CDM	453,397.56	112,267.65	261,005.55	217,053.81	163,631.12	109,267.67	203,945.68	132,018.93	372,933.82	170,099.26	91,878.22	202,959.13	2,490,458.40
KJ	6,483.85	2,820.29	3,033.00	2,187.10	1,475.39	1,050.60	3,227.76	3,250.05	787.88	1,323.55	1,830.39	2,542.28	30,012.14
Total	494,563.69	142,421.01	297,920.89	243,669.82	195,495.23	145,157.22	239,562.74	181,953.18	406,454.51	204,846.32	128,891.86	236,345.87	2,917,282.34
2011	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC	TOTAL
City Utility Charges	32,810.38	29,606.89	27,186.40	27,641.15	27,299.10	31,878.08	27,911.94	52,997.92	35,594.48	32,198.38	27,869.03	36,282.62	389,276.37
CDM	262,446.06	323,519.87	329,940.74	312,855.82	89,242.55	372,601.47	203,828.10	119,290.44	308,828.52	72,614.11	170,111.61	247,087.97	2,812,367.26
KJ	3,488.76	3,802.66	1,519.18	1,519.14	2,728.84		1,865.59	1,067.34	1,283.64	1,423.98	1,529.55	2,198.63	22,427.31
Total	298,745.20	356,929.42	358,646.32	342,016.11	119,270.49	404,479.55	233,605.63	173,355.70	345,706.64	106,236.47	199,510.19	285,569.22	3,224,070.94
2012	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC	TOTAL
City Utility Charges	26,300.48	30,384.79	38,721.92	33,985.71	30,355.86	25,046.96	32,324.48	41,905.62	56,291.79	37,391.11	45,087.66	44,321.30	442,117.67
CDM	133,122.66	320,919.98	439,411.05	87,663.85	280,193.77	124,285.81	221,764.23	162,328.95	277,785.71	248,289.29	88,599.33	302,272.96	2,686,637.58
KJ	6,225.06	3,060.56	1,277.20	625.34	1,911.94	1,874.60	2,934.41	2,581.46	1,302.74	1,295.09	2,102.48	3,632.04	28,822.92
Total	165,648.20	354,365.33	479,410.17	122,274.90	312,461.57	151,207.37	257,023.12	206,816.02	335,380.24	286,975.49	135,789.46	350,226.30	3,157,578.17

Notes
City Utility Charges - Water and power costs, City oversight, CDPH charges. Credit given for energy and lab costs City would have incurred.
CDM Charges - Labor and materials to operate GWTP and wells, includes chemicals, lab analysis, and GAC.
KJ -Kennedy/Jenks expenses as cost consultant.
 Not included are the Operational Loss payments, the Settlement Agreement payments (\$124,000/yr from 2008 - 2011) or property easements fees.

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Appendix E: Photographs from Site Inspection Visit

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Photographs from Site Inspection Visit



Photo 1. GOU Air strippers



Photo 2. One train of VPGAC units



Photo 3. One train (air stripper and three VPGAC units)



Photo 4. VPGAC units



Photo 5. LPGAC units



Photo 6. Air strippers and VPGAC units



Photo 7. Air intake/filter for air stripper



Photo 8. Backwash/recycle equipment



Photo 9. Backwash/recycle equipment



Photo 10. Anti-scalant chemical feed



Photo 11. Anti-scalant storage tank



Photo 12. Anti-scalant feed room entrance



Photo 13. Sodium hypochlorite feed room entrance



Photo 14. Hypochlorite feed



Photo 15. Sodium hypochlorite storage tank



Photo 16. Stormwater treatment system



Photo 17. Heater upstream of VPGAC units



Photo 18. RCF Pilot System



Photo 19. More RCF system components



Photo 20. RCF Pilot System with zero valent iron columns

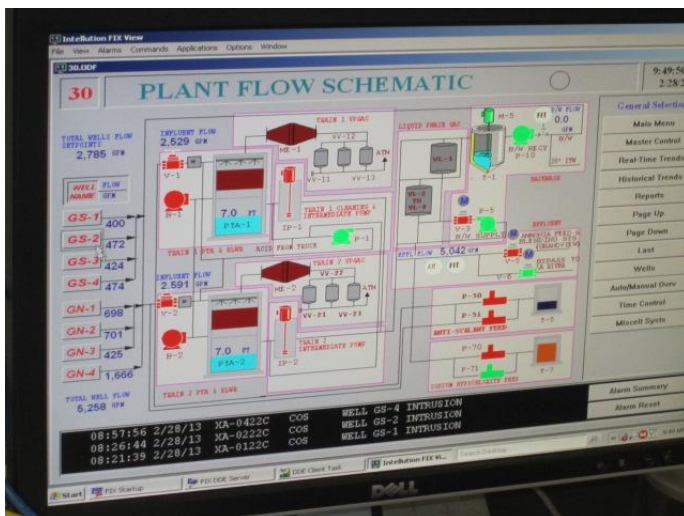


Photo 21. GOU SCADA Display



Photo 22. Extraction well GN-4 (from outside the vault)



Photo 23. Extraction well GN-4



Photo 24. Extraction well GN-4



Photo 25. Extraction well GN-4



Photo 26. Locations of extraction wells GN-4 (orange marker in foreground) and GN-2 (orange marker in background)



Photo 27. Sample point for GN-4



Photo 28. Extraction well GS-1



Photo 29. LAGWRP Outfall

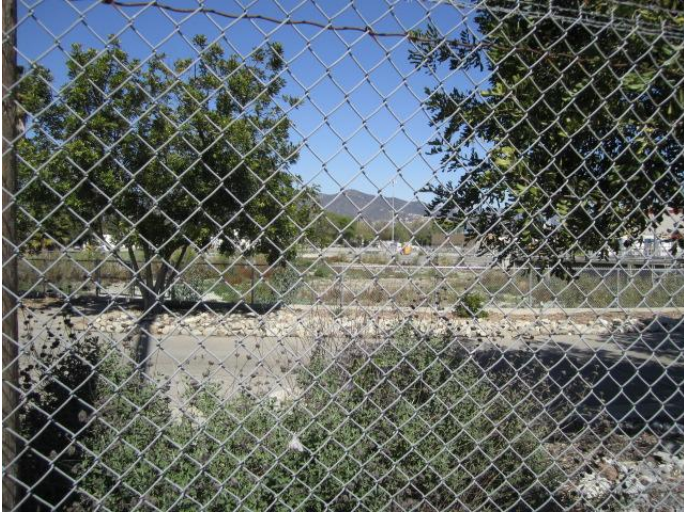


Photo 30. Former LAGWRP Detention Pond (behind second fence)



Photo 31. Well-head WBA process at GS-3



Photo 32. Water storage units for degradation of formaldehyde from initial flushing of ion-exchange resin

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Appendix F: ARARs Summary

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ARARs Summary

Chemical-specific ARARs

Chemical-specific ARARs are discussed in section **Error! Reference source not found.**1. Table 1 summarizes the chemical-specific ARARs.

Action-specific ARARs

Action-specific ARARs identified include Air Quality Standards, Hazardous Waste Management Regulations, and Water Quality Standards for ReInjection. These are summarized in Table 2.

In California, the authority for enforcing the standards established under the Clean Air Act has been delegated to the State. The program is administered by the South Coast Air Quality Management District (SCAQMD).

The State of California has been authorized by the EPA to develop and enforce its own hazardous waste regulations in lieu of the Federal program. These requirements are found in 22 CCR Division 4.5. The source of the VOCs in groundwater is unknown and, therefore, cannot be definitively classified as listed hazardous wastes. However, EPA determined in both RODs that the contaminants are sufficiently similar in nature to listed hazardous wastes that certain substantive requirements of California's hazardous waste regulations are relevant and appropriate at the site.

To-Be-Considered (TBC) Criteria

Two TBC criteria were identified for the GOU and are summarized in Table 3. As noted previously, the 1,4-dioxane notification level was revised from 3 to 1 µg/L in November 2010.

Table 1. Chemical-specific ARARs

Source	Citation	Description	Effect on Protectiveness	Comments	Amendment Date
SDWA (2 USC 300 et seq.)	National Primary Drinking Water Standards, including 40 CFR 141.61 and 40 CFR 141.62	Chemical-specific drinking water standards and MCLs have been promulgated under the SDWA; MCLGs above zero are considered chemical-specific ARARs under the NCP (40 CFR 300.430(e)(2)(i)(B)). When the MCLGs are equal to zero, which is generally the case for a chemical considered to be a carcinogen, the MCL is considered the chemical-specific ARAR instead of the MCLG (40 CFR 300.430(e)(2)(i)(C)). Established MCLs for COCs are listed in Error! Reference source not found..	There have been no changes to the federal MCLs since the last FYR. Protectiveness is not affected.	The MCLs are ARARs for the purpose of establishing performance standards for the treated water from the GOU treatment plant.	N/A
California Safe Drinking Water Act	California Safe Drinking Water Regulations, including 22 CCR 64431 and 22 CCR 64444	Contains provision for California domestic water quality; establishes MCLs for primary drinking water chemicals. Established MCLs for COCs are listed in Error! Reference source not found..	There have been no changes to the state MCLs since the last FYR. Protectiveness is not affected.	The MCLs are ARARs for the purpose of establishing performance standards for COCs in the water extracted from the basin and treated at the treatment plants.	N/A
California Domestic Water Quality Monitoring Regulations	CCR Title 22 Sections 64421 – 64445.2	Requires monitoring for any treated water which will be delivered to a distribution system.	No changes have been made to this requirement. Protectiveness is not affected.	Substantive monitoring requirements are relevant and appropriate to ensure that treated effluent is meeting performance standards.	N/A
California Secondary Drinking Water Standards (SDWS)	22 CCR 64471	Secondary Drinking Water Standards were promulgated to address the taste, odor, and appearance of drinking water, and apply the action of supplying the treated water to a public water supplier.	No changes have been made to this requirement. Protectiveness is not affected.	Although California SDWS are not applicable to non-public water system suppliers, the California SDWS are relevant and appropriate since the treated water under this action would be put into the City's drinking water system action.	N/A

Table 2. Action-specific ARARs

Source	Citation	Description	Effect on Protectiveness	Comments	Amendment Date
Clean Air Act SCAQMD	Regulation XIII	Regulation XIII requires that stationary sources of air emissions meet best available technology standards.	Rules 1309 (Emission Reduction Credits and Short Term Credits), 1315 (Federal New Source Tracking System), and 1325 (Federal PM _{2.5} New Source Review Program) of Regulation XIII have been amended or adopted since the previous FYR, but none of the changes affect protectiveness.	For air strippers, SCAQMD considers vapor phase GAC (with 90-99% removal efficiency) devices to be BACT. These are pre-construction requirements, so it is assumed that all applicable requirements were obtained before treatment units went on-line.	Latest amendment was on June 3, 2011.
Clean Air Act SCAQMD	Rule 1401	Rule 1401 specifies limits for individual cancer risk and excess cancer cases from new or modified stationary sources which emit carcinogenic air contaminants. The rule requires Best Available Control Technology (BACT) for toxic air discharge for new stationary sources where a lifetime maximum individual cancer risk of one in one million or greater is estimated to occur.	The list of chronic and acute toxic air contaminants was expanded, but this does not affect protectiveness.	As Rule 1401 is a pre-construction regulation, it is assumed that all applicable requirements were attained before the treatment units went on-line. If the air stripping treatment system is modified significantly, substantive provisions of Rule 1401 will still apply.	Latest amendment was on September 10, 2010.
Clean Air Act SCAQMD	Rule 401, Rule 402, Rule 403	Limit the visible emissions from a point source (Rule 401), prohibits discharge of material that is odorous or causes injury, nuisance or annoyance to the Public (Rule 402), and limits down-wind particulate concentrations (Rule 403).	No changes have been made to these requirements since that last FYR. Protectiveness is not affected.	These rules limit or prohibit visible, odorous or injurious, and particulate emissions from the treatment facility.	N/A
California Hazardous Waste Regulations, General Requirements	22 CCR 66264.14, 66264.18, and 66264.25	These sections specify security requirements (66264.14), location standards (66264.18), and precipitation standards (66264.25).	No changes have been made to this requirement since that last FYR. Protectiveness is not affected.	These are pre-construction requirements, so it is assumed that all applicable requirements were obtained before treatment units went on-line.	N/A

Source	Citation	Description	Effect on Protectiveness	Comments	Amendment Date
California Hazardous Waste Regulations, General Requirements	22 CCR 66264.15, 66264.16, and 66264.30-66264.56	These sections specify general inspection requirements (66264.15), personnel training (66264.16), and Preparedness and Prevention and Contingency and Emergency Preparedness (66264.30-66264.56)	No changes have been made to these requirements since that last FYR. Protectiveness is not affected.	The treatment plant is required to have health and safety plans and operation and maintenance plans under CERCLA that are substantively equivalent to these sections.	N/A
California Hazardous Waste Regulations, Generator Requirements	22 CCR 66264.600 - .603 ; 22 CCR 66264.111- .115	22 CCR 66264.600 - .603 contains requirements for miscellaneous units (air stripper is considered a miscellaneous unit). 22 CCR 66264.111- .115 contains closure requirements for the air stripper. The air stripper should be designed, operated, maintained, and closed in a manner that will ensure the protection of human health and the environment.	No changes have been made to these requirements since that last FYR. Protectiveness is not affected.	The substantive requirements for miscellaneous units and related substantive closure requirements appropriate and relevant for the air stripper.	N/A
California Hazardous Waste Regulations, Generator Requirements	22 CCR 66262.34 and 66264.170-.178	Waste stored on-site over 90 days should be placed in containers or tanks that are in compliance with California Waste Regulations.	No changes have been made to this requirement since that last FYR. Protectiveness is not affected.	Storage of hazardous waste accumulated on-site must be in compliance with substantive requirements for interim status facilities.	N/A
California Land Disposal Restrictions, Requirements for Generators	22 CCR 66268	Compliance with land disposal regulation treatment standards is required if hazardous waste (contaminated groundwater or spent GAC) is placed on land.	No changes have been made to these requirements since that last FYR. Protectiveness is not affected.	Hazardous waste hauled off-site must meet “land-ban” requirements.	N/A

Source	Citation	Description	Effect on Protectiveness	Comments	Amendment Date
Groundwater ReInjection	40 CFR 144.12-.13	Federal Underground Injection Control Plan and prohibits injection wells such as those that would be located at the Site from (1) causing a violation of primary MCLs in the receiving waters and (2) adversely affecting the health of persons (40 C.F.R. §144.12). Section 144.13 provides that contaminated ground water that has been treated may be reinjected into the formation from which it is withdrawn if such injection is conducted pursuant to a CERCLA cleanup and is approved by EPA.	40 CFR 144.12 was amended in December 2010, but the amendment does not affect protectiveness.	These regulations are applicable to any treated water that is reinjected into the groundwater.	Dec 10, 2010
Groundwater ReInjection or Discharge to Surface Water	State Water Resources Control Board Resolution 68-16	Requires that reinjected water not unreasonably degrade existing water quality.	No changes have been made to this requirement since that last FYR. Protectiveness is not affected.	Resolution 68-16 (Statement of Policy with respect to Maintaining High Quality of Waters in California) does not contain substantive requirements in and of itself. These regulations are applicable to any treated water that is reinjected into the groundwater or discharged to surface water.	N/A
Groundwater ReInjection	RCRA Section 3020	Provides that the ban on the disposal of hazardous waste into a formation which contains an underground source of drinking water shall not apply to the injection of contaminated groundwater into the aquifer if: 1) such reinjection is part of a response action under CERCLA, 2) such contaminated groundwater is treated to substantially reduce hazardous constituents prior to such reinjection, and 3) such response action will, upon completion, be sufficient to protect human health and the environment.	No changes have been made to this requirement since that last FYR. Protectiveness is not affected.	This regulation is applicable to any treated water that is reinjected into the groundwater.	N/A

Source	Citation	Description	Effect on Protectiveness	Comments	Amendment Date
Treated Groundwater Discharge to Surface Water	Water Quality Control Plan for Los Angeles River Basin (RWQCB)	Treated water that is discharged, on a short term basis, to the Los Angeles River is subject to the National Pollutant Discharge Elimination System (NPDES) Program which is implemented by the Los Angeles RWQCB. In establishing effluent limitations for such discharges, the Los Angeles RWQCB considers the Basin Plan, which incorporates Resolution 68-16, and the best available technology economically achievable.	No changes have been made to this requirement since that last FYR. Protectiveness is not affected.	This requirement is applicable to any treated water that is discharged to surface water.	N/A
Mineral Quality Objectives for Treated Groundwater Discharge to Surface Water	Water Quality Control Plan for Los Angeles River Basin (RWQCB)	The Los Angeles RWQCB established mineral quality objectives for individual surface waters for the Los Angeles River Watershed. The mineral quality objective for nitrate in the Los Angeles River of 36 mg/L (8 mg/L nitrate-N).	No changes have been made to this requirement since that last FYR. Protectiveness is not affected.	Because the anticipated average concentration of nitrate in the short-term discharge is likely to be close to the MCL, and any discharge would be short-term, there should not be any significant long-term effects on the mineral quality of the Los Angeles River associated with short-term discharges of VOC-treated water. This requirement is applicable to any treated water that is discharged to surface water.	N/A

Table 3. To Be Considered Criteria

Source	Citation	Description	Effect on Protectiveness	Comments	Amendment Date
California PHGs, California Environmental Protection Agency, and OEHHA	California Calderon-Sher SDWA of 1996, California Health and Safety Code 116365	OEHHA has adopted PHGs for chemicals in drinking water. PHGs are levels of drinking water contaminants at which adverse health effects are not expected to occur from a lifetime of exposure.	No changes have been made to this requirement. Protectiveness is not affected.	In the absence of MCLs, the state PHGs adopted by OEHHA have been considered during selection of performance standards for extracted groundwater.	N/A
CDPH Drinking Water Notification Levels	California Health and Safety Code 116455	CDPH has established drinking water notification levels (formerly known as action levels) based on health effects, but in some cases they are based on taste and odor values for chemicals without MCLs.	CDPH revised its notification level for 1,4-dioxane from 3 to 1 µg/L. Notification levels are not ARARs. Protectiveness is not affected.	In the absence of MCLs, the drinking water notification levels established by CDPH have been considered during selection of performance standards for extracted groundwater.	December 14, 2010

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**Appendix G: Summary of Contaminant
Concentrations in GOU
Extraction Wells from January
2008 – December 2012**

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Summary of Contaminant Concentrations in GOU Extraction Wells from January 2008 – December 2012

Highlighted cells indicate that values are above the most stringent performance standard listed in **Error! Reference source not found.**

Maximum, minimum, median, and average values are based on detected values; non-detect values were not included in these calculations.

Contaminant	Summary Parameter	Well							
		Well GN-1	Well GN-2	Well GN-3	Well GN-4	Well GS-1	Well GS-2	Well GS-3	Well GS-4
1,1,2,2-Tetrachloroethane (µg/L)	Max	--	--	--	--	--	--	--	--
	Min	--	--	--	--	--	--	--	--
	Median	--	--	--	--	--	--	--	--
	Average	--	--	--	--	--	--	--	--
	Number of Samples	58	58	56	57	57	56	58	59
	Number of Non-detects	58	58	56	57	57	56	58	59
1,1,2-Trichloroethane (µg/L)	Max	--	--	0.54	--	--	--	--	--
	Min	--	--	0.53	--	--	--	--	--
	Median	--	--	0.54	--	--	--	--	--
	Average	--	--	0.54	--	--	--	--	--
	Number of Samples	58	58	56	57	57	56	58	59
	Number of Non-detects	58	58	54	57	57	56	58	59
1,1-Dichloroethane (1,1-DCA) (µg/L)	Max	--	1.6	3.4	--	1.8	1.2	--	--
	Min	--	0.5	1	--	0.83	0.56	--	--
	Median	--	0.6	2.1	--	1.2	0.8	--	--
	Average	--	0.76	2.00	--	1.21	0.80	--	--
	Number of Samples	58	57	56	57	57	56	57	59
	Number of Non-detects	58	52	0	57	2	0	57	59
1,1-Dichloroethene (1,1-DCE) (µg/L)	Max	0.54	9.8	54	--	17	12	1.2	--
	Min	0.54	0.51	2.72	--	7.5	5.3	0.5	--
	Median	0.54	1.1	39.5	--	11	8.05	0.64	--
	Average	0.54	1.37	37.5	--	11.3	8.02	0.70	--

	Number of Samples	58	58	56	57	57	56	58	59
	Number of Non-detects	57	5	0	57	2	0	19	59
1,2-Dichloroethane (1,2-DCA) (µg/L)	Max	--	--	1.7	--	116	--	--	--
	Min	--	--	1	--	1.3	--	--	--
	Median	--	--	1.3	--	58.7	--	--	--
	Average	--	--	1.29	--	58.7	--	--	--
	Number of Samples	58	57	56	57	57	56	57	59
	Number of Non-detects	58	57	0	57	55	56	57	59
Benzene (µg/L)	Max	--	--	--	--	6.1	--	--	--
	Min	--	--	--	--	6.1	--	--	--
	Median	--	--	--	--	6.1	--	--	--
	Average	--	--	--	--	6.1	--	--	--
	Number of Samples	58	58	56	57	57	56	58	59
	Number of Non-detects	58	58	56	57	56	56	58	59
Carbon Tetrachloride (µg/L)	Max	1.1	0.9	13	--	--	1.9	1.3	4.7
	Min	0.6	0.5	6.9	--	--	0.51	0.75	1.8
	Median	0.78	0.55	9.2	--	--	1.3	0.98	3.3
	Average	0.78	0.57	9.38	--	--	1.19	0.99	3.36
	Number of Samples	58	57	56	57	56	56	58	59
	Number of Non-detects	2	16	0	57	56	11	2	1
Chromium VI (µg/L)	Max	4.7	42	94	4.4	0.24	1.7	57	16
	Min	4.2	5.4	43	1.4	0.065	0.28	23	1.5
	Median	4.5	7.85	76.5	3.6	0.12	0.805	38	1.7
	Average	4.50	9.32	70.6	3.59	0.14	0.92	38.8	1.93
	Number of Samples	58	58	56	57	56	56	58	59
	Number of Non-detects	0	0	0	1	30	0	1	0
cis-1,2-Dichloroethene (cis-1,2-DCE) (µg/L)	Max	--	2.7	5.8	0.6	22	17	--	--
	Min	--	0.6	2.3	0.58	8.8	9	--	--
	Median	--	0.895	3.6	0.59	13	13	--	--
	Average	--	0.93	3.62	0.59	13.1	12.6	--	--
	Number of Samples	58	58	56	57	57	55	58	59

	Number of Non-detects	58	0	0	55	1	0	58	59
Perchloroethylene (PCE) (µg/L)	Max	232	270	20	65	110	4.8	18	2.5
	Min	110	75	7.3	27	4.5	2.8	10	1
	Median	179	155	15	44	6.2	3.6	13	1.3
	Average	179	157	14.3	44.1	8.54	3.66	12.8	1.37
	Number of Samples	58	58	56	57	57	56	58	59
	Number of Non-detects	0	0	0	0	1	0	1	0
Total Chromium (µg/L)	Max	7.7	36	88	5.7	3.5	5.9	55	5.7
	Min	2.8	4.6	42	2.1	1.1	1	22	1.1
	Median	4.7	7.7	73.5	3.8	1.55	1.7	37	2.1
	Average	4.83	9.37	68.2	3.9	1.79	1.78	38.0	2.31
	Number of Samples	58	58	56	57	56	56	58	59
	Number of Non-detects	0	1	0	0	40	14	0	2
trans-1,2-Dichloroethene (trans-1,2-DCE) (µg/L)	Max	--	--	--	--	13	5.3	--	--
	Min	--	--	--	--	1	2.8	--	--
	Median	--	--	--	--	1.5	4.1	--	--
	Average	--	--	--	--	1.72	4.14	--	--
	Number of Samples	58	58	56	57	57	56	58	59
	Number of Non-detects	58	58	56	57	1	1	58	59
Trichloroethylene (TCE) (µg/L)	Max	200	170	680	82	146	169	34	1.74
	Min	110	1.6	364	43	80.6	1.4	9.7	0.57
	Median	140	119	490	59	98	101	18	0.90
	Average	146	117	493	59.2	101	105	18.1	0.99
	Number of Samples	58	58	56	57	56	56	58	59
	Number of Non-detects	0	0	0	0	1	0	1	0
Xylenes (µg/L)	Max	--	--	--	--	--	--	--	--
	Min	--	--	--	--	--	--	--	--
	Median	--	--	--	--	--	--	--	--
	Average	--	--	--	--	--	--	--	--
	Number of Samples	58	58	56	57	57	56	58	59
	Number of Non-detects	58	58	56	57	57	56	58	59

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**Appendix H: SFV Area 2 Emerging
Contaminants plume maps and
well data**

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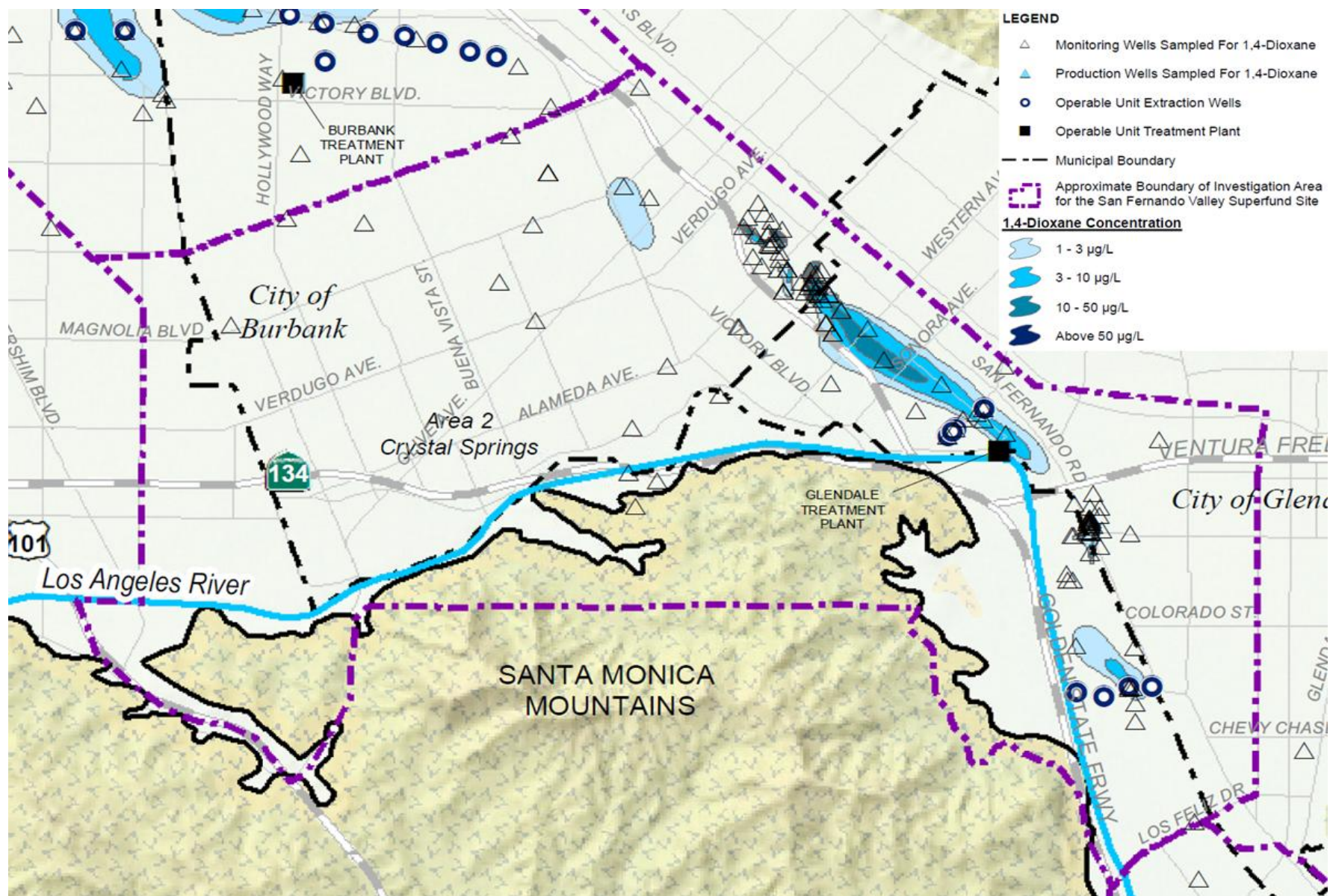


Figure 1. 1,4-Dioxane in the Shallow Zone (Most Recent Concentration January 2006-2011)

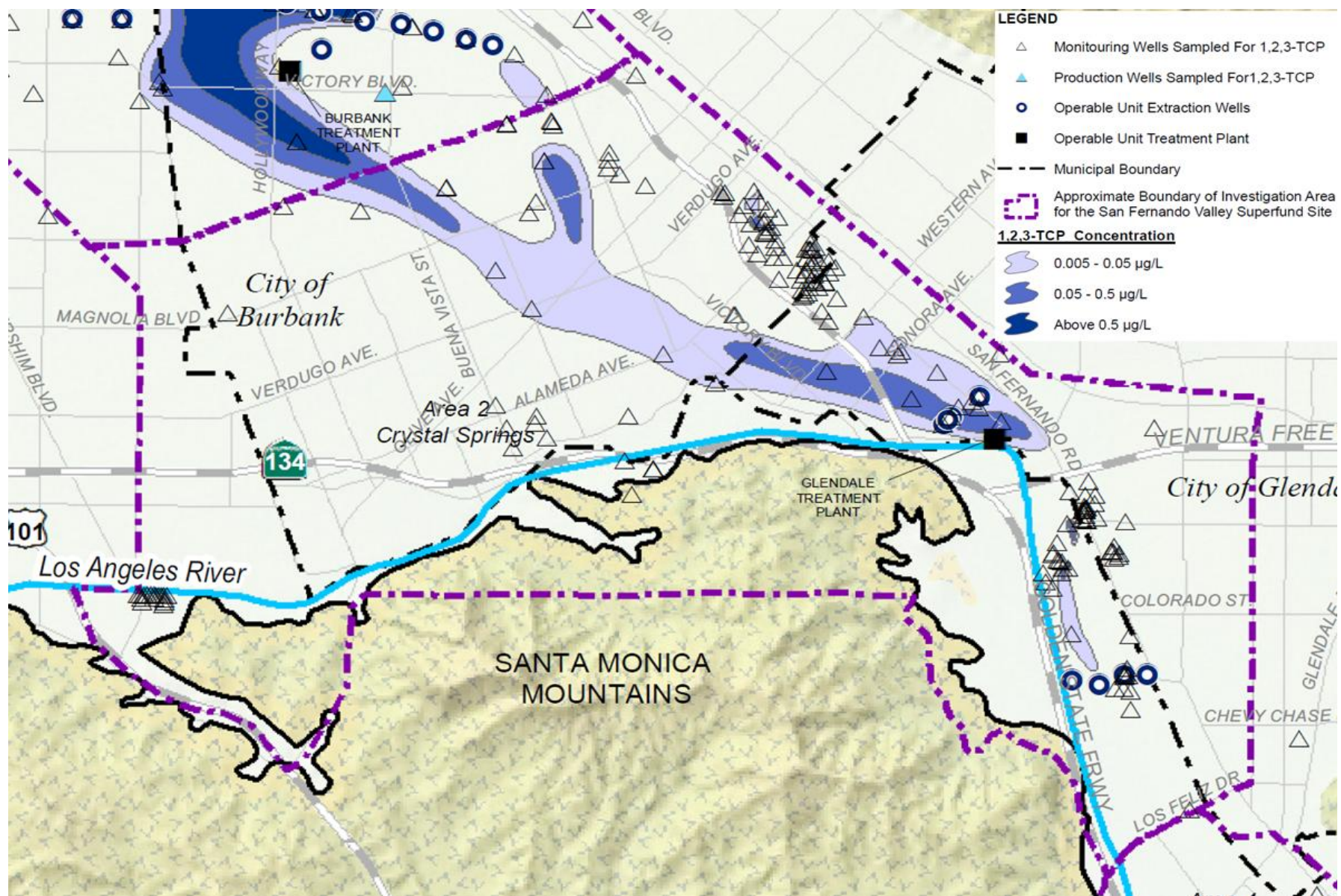


Figure 2. 1,2,3-TCP in the Shallow Zone (Most Recent Concentration January 2006-2011)

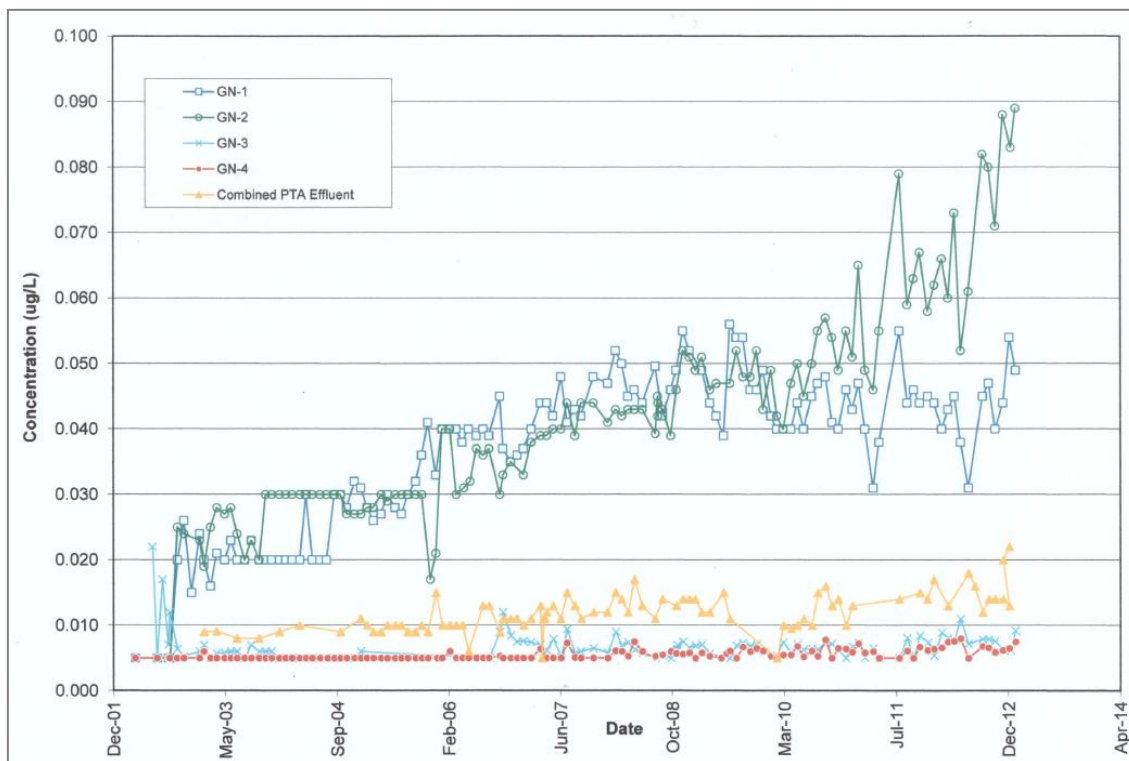


Figure 3. 1,2,3-TCP in the North Extraction Wells

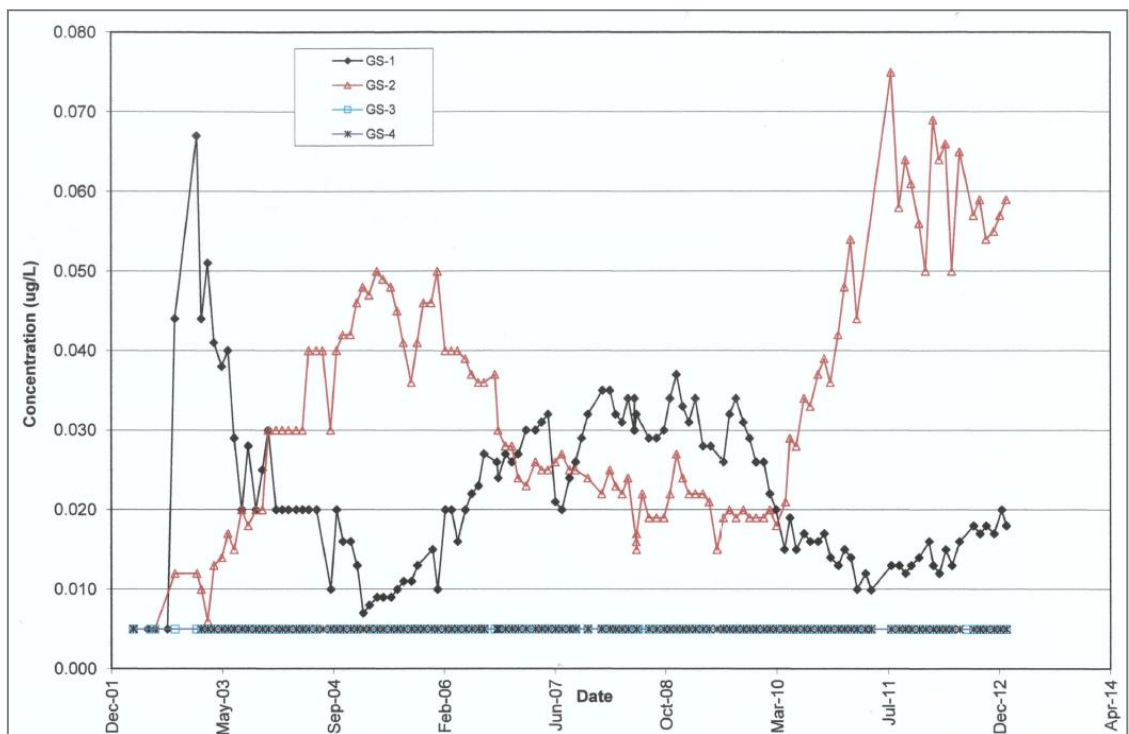


Figure 4. 1,2,3-TCP in the South Extraction Wells

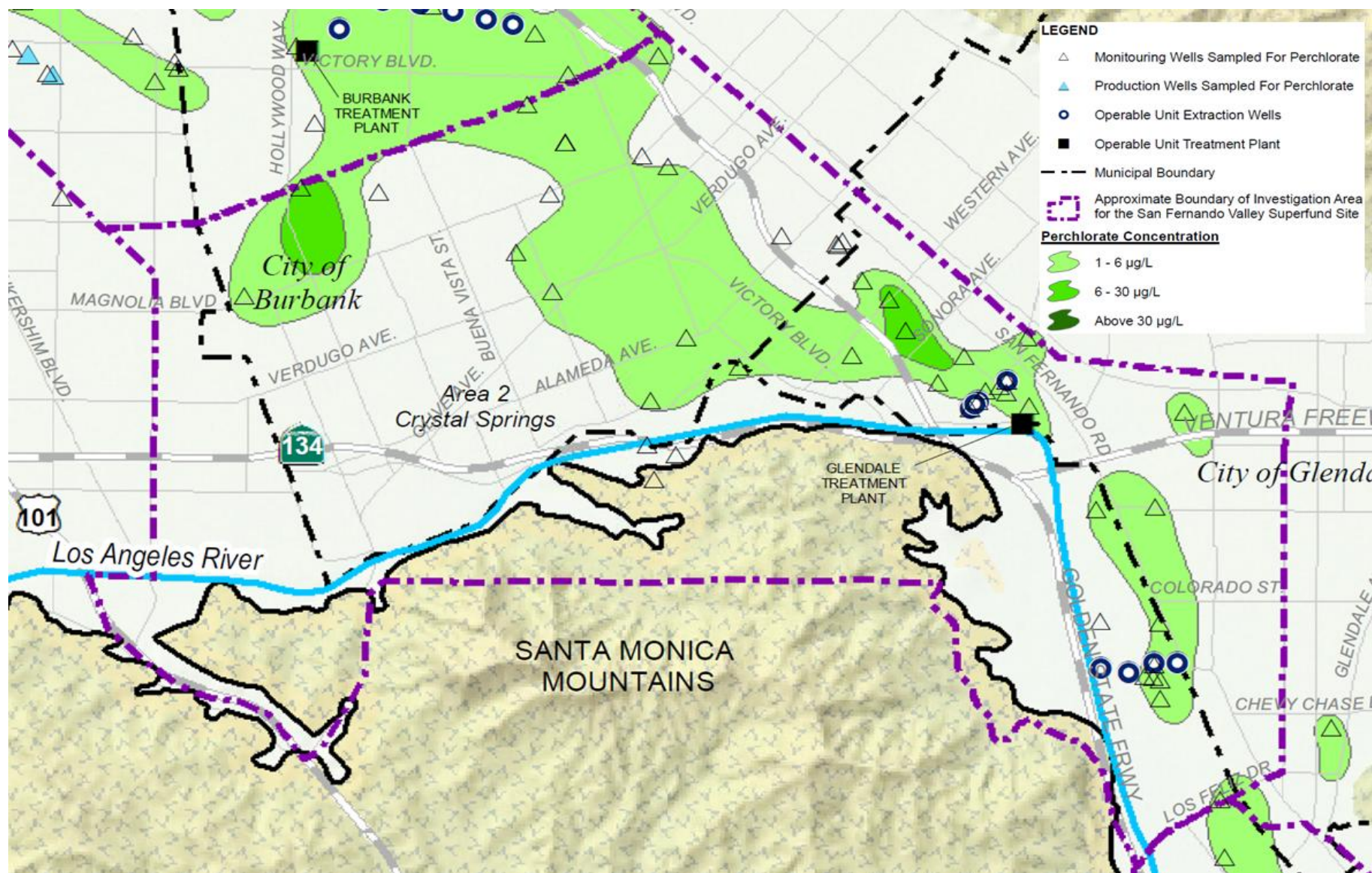


Figure 5. Perchlorate in the Shallow Zone (Most Recent Concentration January 2006-2011)

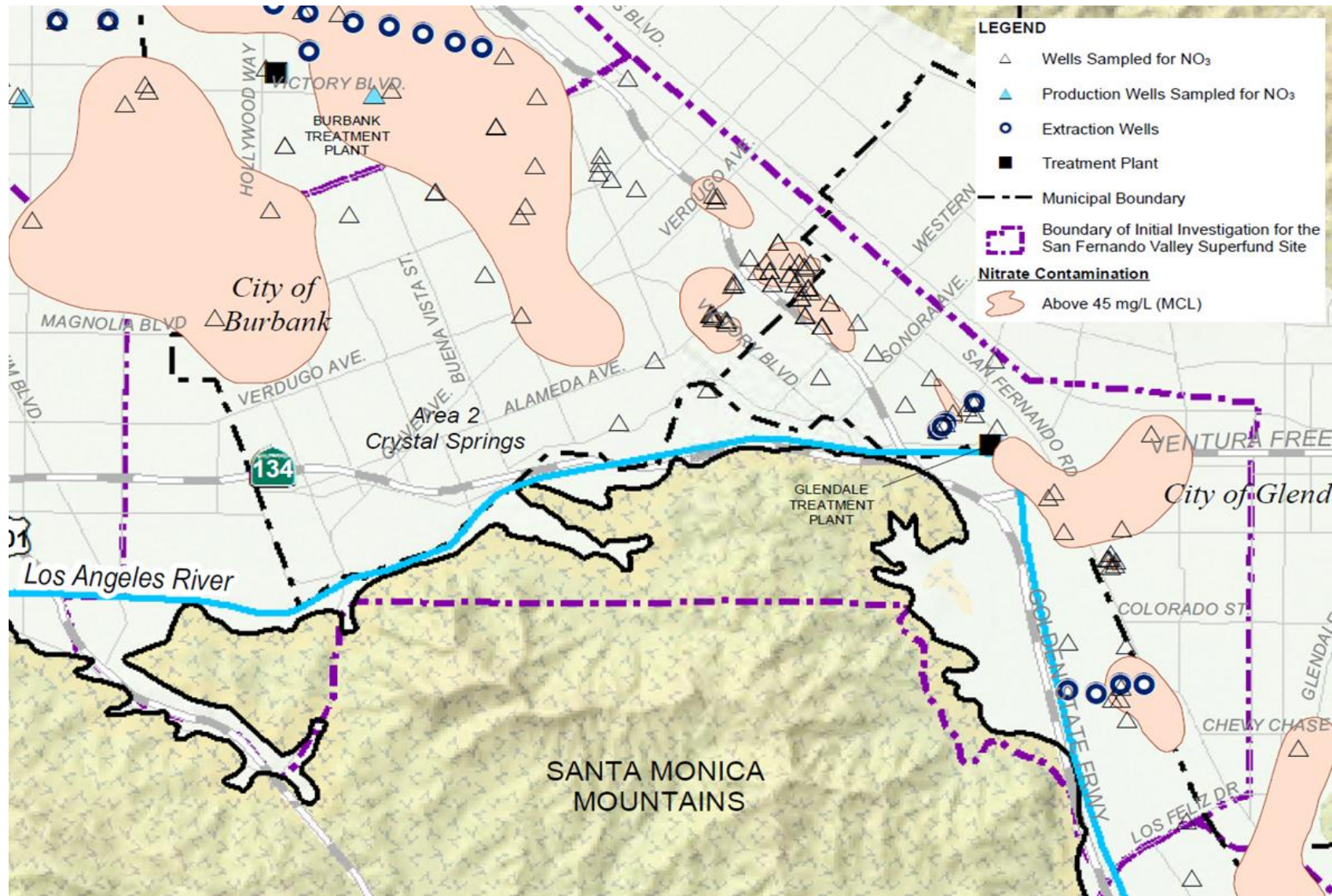


Figure 6. Nitrate in the Shallow Zone (Most Recent Concentration January 2006-2011)



Figure 7. Nitrate in the Deeper Zone (Most Recent Concentration January 2006-2011)

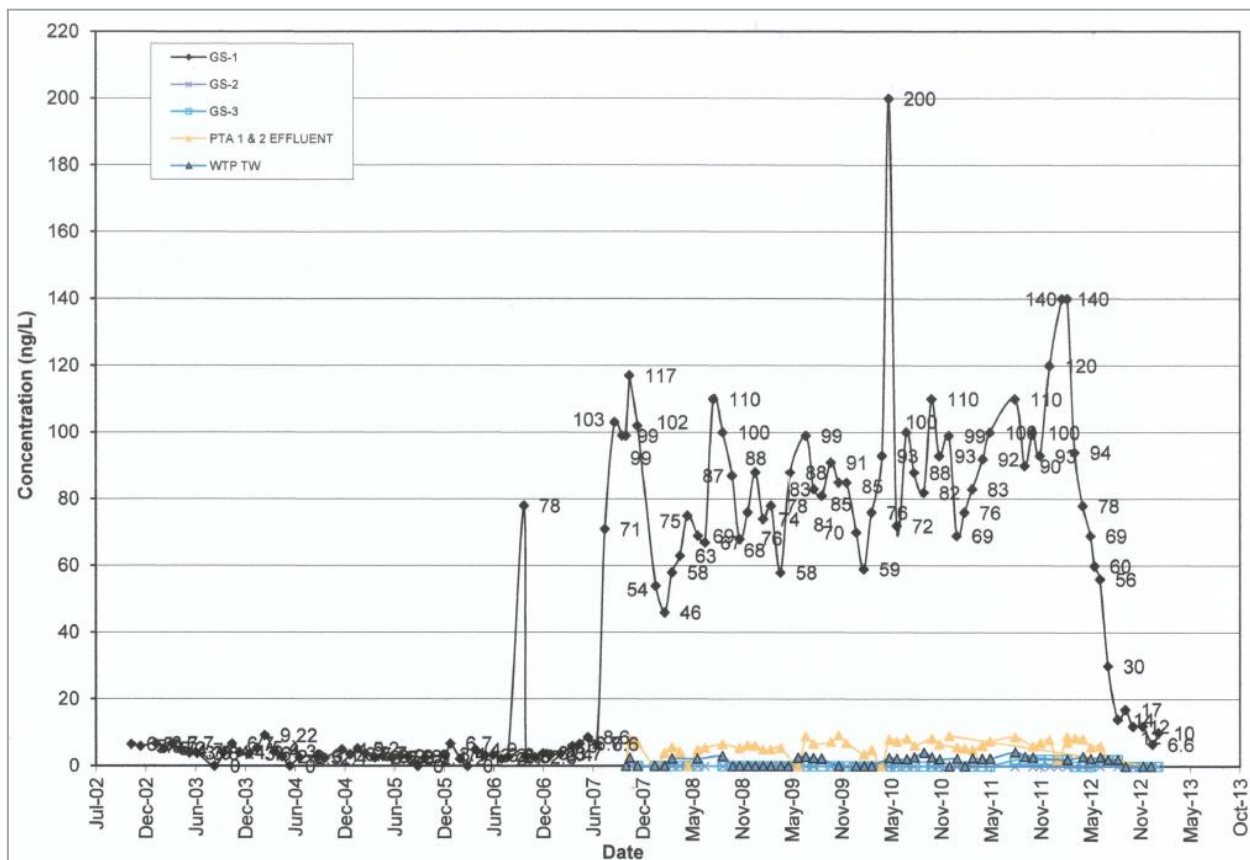


Figure 8. NDMA in Extraction Well GS-1

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Appendix I: SFV GOU Treatment System and Extract Well Pumping Data

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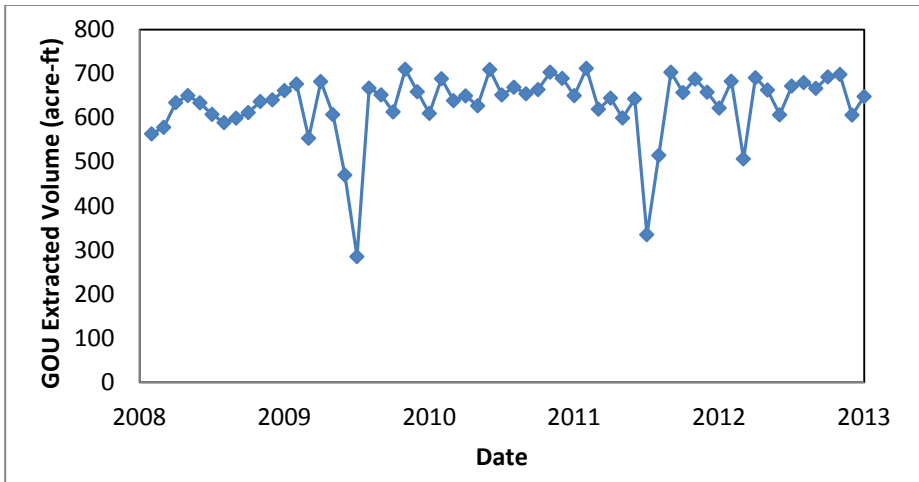


Figure 9. Monthly Extracted and Treated Volume for GWTP from 2008 – 2011

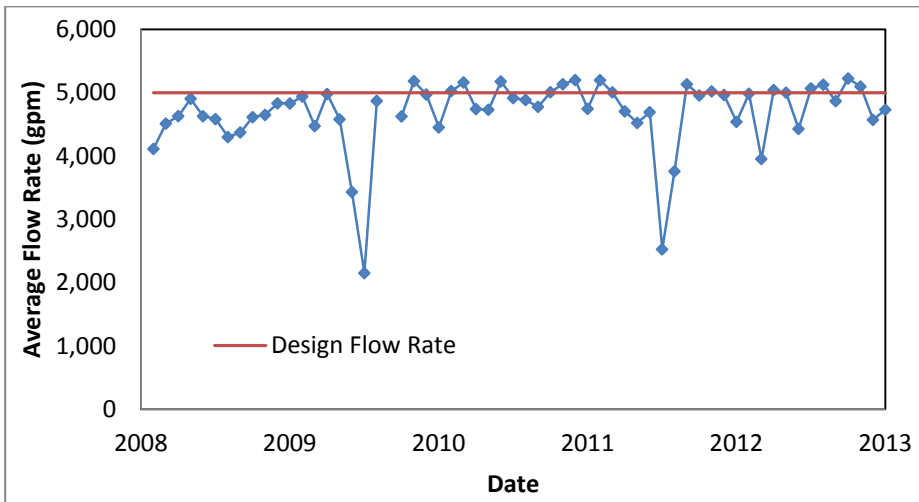


Figure 10. Monthly Average Flow Rate for GWTP from 2008 – 2011

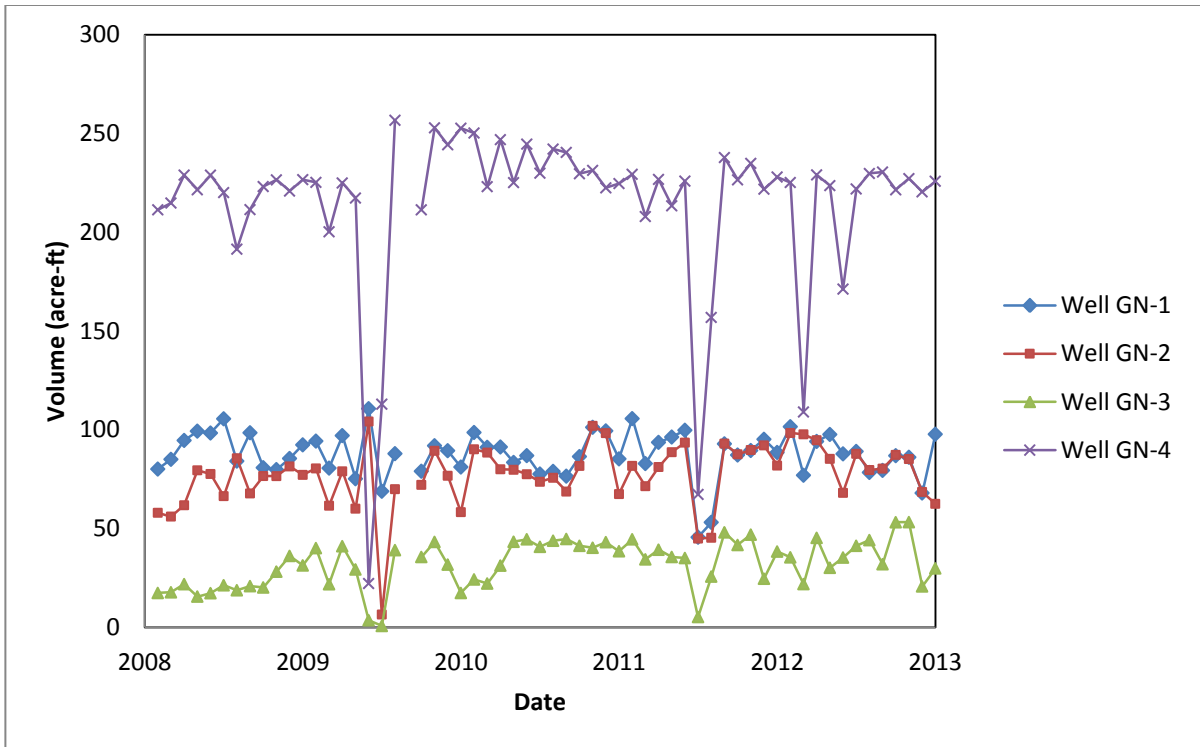


Figure 11. Monthly Extracted Volumes for GNOU Extraction Wells from 2008 – 2011

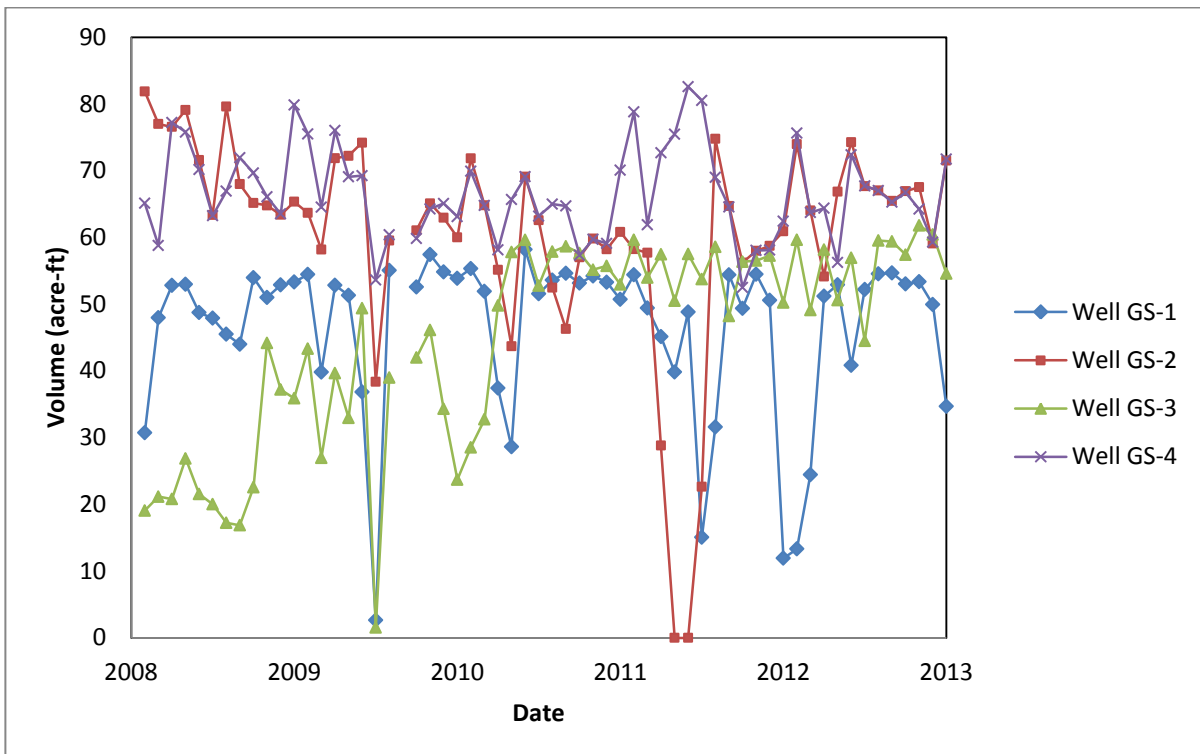


Figure 12. Monthly Extracted Volumes for GSOU Extraction Wells from 2008 – 2011

Appendix A: List of Documents Reviewed

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- Arcadis and Hazen and Sawyer. 2013. Chromium Research Effort by the City of Glendale, California, Project Report – Draft. Prepared by Arcadis U.S., Inc. and Hazen and Sawyer for the City of Glendale Water and Power. January 2013.
- CDM. 2003. Revised Glendale Water Treatment Plant Operations and Maintenance Manual. October 2003.
- CDM Smith. 2012. Glendale Operable Unit Extraction Well GS-2 Rehabilitation Report, Glendale, California. Prepared by CDM Smith for the Glendale Respondents Group and the City of Glendale. February 2012.
- CDM Smith. 2008-2012. Glendale Operable Unit O&M of the Upstream Facilities Progress Reports No. 87 – 146. January 2008 – December 2012.
- CH2M Hill. 2010. Results of Capture Modeling and Recommendations for Hydraulic Containment Monitoring, Glendale South Operable Unit Extraction Wells Technical Memorandum.. Prepared by CH2M Hill for EPA. February 2010.
- CH2M Hill. 2010. San Fernando Valley Basin Groundwater Elevations in Shallow Zone, December 2010. July 2011
- CH2M Hill. 2012. Final Remedial Investigation Work Plan, San Fernando Valley Area 2 Superfund Site Glendale Chromium Operable Unit. Prepared by CH2M Hill for EPA. April 2012.
- EPA. 1993. Glendale North Operable Unit Record of Decision, San Fernando Valley Area 2 Superfund Site, Los Angeles County, California. EPA Region 9. June 1993.
- EPA. 1993. Glendale South Operable Unit Record of Decision, San Fernando Valley Area 2 Superfund Site, Los Angeles County, California. EPA Region 9. June 1993.
- EPA. 2002. OSWER Draft Guidance for Evaluating the Vapor Intrusion to Indoor Air Pathway from Groundwater and Soils (Subsurface Vapor Intrusion Guidance). November 2002.
- EPA. 2008. First Five-Year Review Report for San Fernando Valley – Area 2 Superfund Site, Los Angeles County, California. EPA Region 9. September 2008.
- EPA. 2012. Vapor Intrusion Screening Level Calculator. Updated November 2012.
<http://www.epa.gov/oswer/vaporintrusion/guidance.html#Item6>
- EPA. 2013 OSWER Final Guidance for Assessing and Mitigating the Vapor Intrusion Pathway from Subsurface Sources to Indoor Air (External Review Draft). April 2013.
<http://www.epa.gov/epawaste/hazard/correctiveaction/eis/vapor/complete.pdf>

- ERM (Environmental Resources Management). 2010. Final Focused Feasibility Study Work Plan, San Fernando Valley Superfund Sites, Area 2 – Crystal Springs, Glendale North and Glendale South Operable Units. December 2010.
- ERM. 2011. Focused Feasibility Study Final Work Plan Addendum, Glendale Operable Unit – Area 2, San Fernando Valley Superfund Sites. October 2011.
- ERM. 2011. Fourth Quarter 2010 Remedial Investigation Well Sampling Report San Fernando Valley Superfund Sites Area 2 – Crystal Springs Glendale North and Glendale South Operable Units. Prepared by ERM for the Glendale Respondents Group February 2011.
- ERM. 2012. Draft Extraction Well GS-1 Evaluation Technical Memorandum, San Fernando Valley Superfund Sites Area 2 – Crystal Springs Glendale North and Glendale South Operable Units. Prepared by ERM for the Glendale Respondents Group. June 2012.
- ERM. 2012. Draft Emerging Compounds Evaluation Technical Memorandum, San Fernando Valley Superfund Sites Area 2 – Crystal Springs Glendale North and Glendale South Operable Units. Prepared by ERM for the Glendale Respondents Group. October 2012.
- ERM. 2012. Final Site Characterization Technical Memorandum, San Fernando Valley Superfund Sites Area 2 – Crystal Springs Glendale North and Glendale South Operable Units. Prepared by ERM for the Glendale Respondents Group. October 2012.
- ERM. 2012. Revised Draft Hydraulic Containment Evaluation Technical Memorandum, San Fernando Valley Superfund Sites Area 2 – Crystal Springs Glendale North and Glendale South Operable Units. Prepared by ERM for the Glendale Respondents Group. October 2012.
- James M. Montgomery, Inc. 1992. Remedial Investigation of Groundwater Contamination in the San Fernando Valley. Prepared by James M. Montgomery, Inc. and submitted to the City of Los Angeles Department of Water and Power. December 1992.
- RWQCB (California Regional Water Quality Control Board). 2002. Final Chromium VI Investigation Report, San Fernando Valley, Phase I Inspections. August 2002.
- ULARA (Upper Los Angeles River Area Watermaster). 2012. Annual Report Watermaster Service in the Upper Los Angeles River Area (ULARA) Los Angeles County, California, 2010-2011 Water Year. May 2012.

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Appendix B: Press Notices

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Press Notice

Public Notice
The United States Environmental Protection Agency (EPA)
Start of Five-Year Review of Groundwater Cleanup
San Fernando Valley Superfund Sites (Areas 1 and 2)

The EPA has begun the Second Five-Year Review (FYR) process for cleanup actions undertaken at the San Fernando Valley Superfund Sites (SFV Sites) for Areas 1 and 2. Area 1 includes North Hollywood and Burbank Operable Units (OUs). Area 2 includes Glendale North and South OUs, and the Glendale Chromium OU. EPA often addresses clean-up at a large site by breaking the site into small operable units (OUs) to manage cleanup actions. This notice addresses the FYRs for Areas 1 (North Hollywood and Burbank OUs) and 2 (Glendale North and South OUs). Upon completion of the review EPA will issue two separate reports that evaluate whether the cleanup actions for Areas 1 and 2 remain protective of human health and the environment.

The Review Process: When EPA's cleanup action leaves some waste in place or the action will take longer than five years to complete, the Superfund law requires an evaluation of the protectiveness of the cleanup systems every five years until the site has been cleaned up sufficiently to allow unrestricted use. The purpose of the FYR is to publically document the effectiveness of cleanup systems and to measure progress towards achieving cleanup goals. FYRs consist of evaluating the effectiveness of clean-up in both the short and long-term, facility inspections, and the analysis of 2008-2013 groundwater data. The FYR will report the amount of contaminant mass being removed by groundwater treatment facilities, evidence of natural processes that may assist with the breakdown of chemicals, cleanup progress within the Superfund sites, and treatment facility operations. This review also includes interviews with regulators, government officials, and community representatives. To date, previous FYR reviews conducted for Areas 1 and 2 have shown the clean-up systems to be protective of human health and the environment. The 2013 FYRs will comment on the status of 2008 recommendations and offer new recommendations if necessary. The 2008 FYR for Areas 1 and 2 are available on EPA's web page and at the information repositories listed below. Both 2013 FYR reports will be completed by September 30, 2013 and copies will be made available to the public via the websites.

Community Involvement: EPA invites the community to learn more about the Sites, the FYR review process and provide input to EPA. Interviewees can contact Jackie Lane, Community Involvement Coordinator **no later than July 31, 2013** at (415) 972-3236 or by email at lane.jackie@epa.gov to be interviewed.

Information and Repositories: **Area 1:** Burbank Public Library, 110 North Glen Oaks Blvd, Burbank, CA or call (818) 238-5580 and Los Angeles Public Library, 630 W. Fifth St., Los Angeles CA 90071 or call (213) 228-7000. **Area 2:** City of Glendale Public Library, 222 East Harvard St. Glendale, CA or call (818) 548-2021 and Los Angeles Public Library, 630 W. Fifth St., Los Angeles CA 90071 or call (213) 228-7000.

EPA Web Page: Area 1: www.epa.gov/region09/SanFernandoNorthHollywood
Area 2: www.epa.gov/region09/SanFernandoGlendale

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Appendix C: Interview Forms

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Interview Forms

Five-Year Review Interview Record			
Site:	San Fernando Valley Area 2 Superfund Site		EPA ID No: CAD980894901
Interview Type:	Visit		
Location of Visit:	GOU Treatment Facility		
Date:	2/28/2013	Time:	10:00 AM
Interviewer:	ZiZi Searles David Sullivan Aaron King	Title:	RPM Geologist Environmental Engineer
		Organization:	USEPA USACE USACE
Individuals Contacted			
Name:	Charles Cron	Title:	Lead O&M Specialist
Telephone:	(818) 550-5975	Address:	800 Flower St Glendale, CA 91201
Name:	Daniel Hutton	Title:	Project Manager
Telephone:	(909) 579-3500	Address:	9220 Cleveland Ave, Suite 100 Rancho Cucamonga, CA 91730
Summary of Conversation			
<p>1) What is your overall impression of the project (general sentiment)?</p> <p>The designers of the system did a great job. The system is flexible, even with changing water quality regulations. The system has consistently been able to operate and meet extraction and water quality requirements.</p> <p>2) What is your current role and your agency's role with respect to the site?</p> <p>Mr. Cron is the site manager and Mr. Hutton is the project manager; both ensure compliance while minimizing water loss.</p> <p>3) Have there been routine communications or activities (site visits, inspections, reporting activities, etc.) conducted by your office regarding the site? If so, please give the purpose and results.</p> <p>There are multiple points of communication every day, whether between Charles, Dan, Leo, and/or EPA. Also, there are monthly stakeholder meetings.</p> <p>4) Have there been any complaints, violations, or other incidents related to the site requiring a response by your office? If so, please give details of the events and the results of the responses.</p> <p>No.</p> <p>5) Are you aware of any events, incidents, or activities at the site such as vandalism, trespassing, or emergency responses from local authorities? If so, please give details.</p> <p>Somehow, the Glendale Police Department has received three 911 calls from the site that are not alarm triggered. It is not known why or how this occurs. All responses by local authorities have been false alarms.</p> <p>6) Is the remedy functioning as expected? How well is the remedy performing?</p> <p>Yes. The remedy is performing better than expected with respect to mass removal and extraction rates. CDPH's flexibility has been very encouraging.</p>			

7) What does the monitoring data show? Are there any trends that show contaminant levels are decreasing?

Trend charts show several COC concentrations, including VOCs and chromium, are climbing in some wells, in accordance with predictions.

8) Is there a continuous on-site O&M presence? If so, please describe staff and activities. If there is not a continuous on-site presence, describe staff and frequency of site inspection and activities.

There are operators on-site 8 hours per day, 7 days per week, daily inspections, and 24/7 remote monitoring.

9) What are the annual O&M costs for your organization's involvement at the site?

Funding has not been an issue for justifiable expenses. Roughly \$4.3 million is budgeted for the coming year.

10) Have there been any significant changes in the O&M requirements, maintenance schedules, or sampling routines since start-up or in the last five years? If so, do they affect the protectiveness of the remedy? Please describe changes and impacts.

Nothing in the last five years, excluding the WBA. And the uranium disposal issue.

11) Have there been unexpected O&M difficulties or costs at the site since start-up or in the last five years? If so, please give details.

Resin disposal has been an unexpected difficulty because of the uranium content of the spent resin (uranium originates in the groundwater and the resin removes it from the groundwater). Also, formaldehyde has been found to leach from the resin on startup, so a system to contain and treat the water used during startup has been implemented.

12) Have there been opportunities to optimize O&M or sampling efforts? Please describe changes and resultant or desired cost savings or improved efficiency.

Plant and process optimization occurred years ago. CDPH is open to reducing sampling.

13) What effects have site operations had on the surrounding community?

The plant provides 25% of the City's water supply, and the water meets drinking water standards.

14) Are you aware of any community concerns regarding the site or its operation and administration? If so, please summarize the concerns.

No.

15) Do you feel well informed about the site's activities and progress?

Yes.

16) Are you aware of any changes in Federal/State/County/Local laws and regulations that may impact the protectiveness of the site?

CDM is keeping an eye on the chromium MCL development, but also EPA's carcinogenic VOC rule.

17) Do you have any comments, suggestions, or recommendations regarding the site's management, operation, or any other aspects of the site?

No. The desires and expectations of all parties are being met. The cooperativeness of all parties makes it much easier.

Five-Year Review Interview Record			
Site:	San Fernando Valley Area 2 Superfund Site		EPA ID No: CAD980894901
Interview Type:	Visit		
Location of Visit:	City of Glendale Water and Power Office		
Date:	2/28/2013	Time:	1:00 PM
Interviewer:	ZiZi Searles David Sullivan Aaron King	Title:	RPM Geologist Environmental Engineer
		Organization:	USEPA USACE USACE
Individuals Contacted			
Name:	Leighton Fong	Title:	Civil Engineer II
		Organization:	City of Glendale Water and Power
Telephone:	(818) 548-3982	Address:	141 N Glendale Ave, Level 4 Glendale, CA 91206
Name:	Leo Chan	Title:	Project Engineer
		Organization:	City of Glendale Water and Power
Telephone:	(818) 548-3905	Address:	141 N Glendale Ave, Level 4 Glendale, CA 91206
Summary of Conversation			
<p>1) What is your overall impression of the project (general sentiment)?</p> <p>The project is well-run. CDM and GRG are supportive and go beyond the call of duty; and they take ownership and pride in their work.</p> <p>2) What is your current role and your agency's role with respect to the site?</p> <p>City owns the operable unit, oversees plant operation, and reports to CDPH, EPA, etc. Also, the City is in charge of permitting, disposal, manifesting, and invoice review. They have a focus on water loss prevention.</p> <p>3) Have there been routine communications or activities (site visits, inspections, reporting activities, etc.) conducted by your office regarding the site? If so, please give the purpose and results.</p> <p>GWP talks to Charles at least every other day, and receives daily status reports by e-mail and monthly reports.</p> <p>4) Have there been any complaints, violations, or other incidents related to the site requiring a response by your office? If so, please give details of the events and the results of the responses.</p> <p>The Bureau of Sanitation wanted to split a sample of the industrial waste discharge from GS-3 (formaldehyde), but was not notified when the last sample was taken.</p> <p>5) Are you aware of any events, incidents, or activities at the site such as vandalism, trespassing, or emergency responses from local authorities? If so, please give details.</p> <p>There has been no vandalism. Someone broke into the control panel at extraction well GS-3, but nothing was taken or broken.</p> <p>6) Is the remedy functioning as expected? How well is the remedy performing?</p> <p>The remedy is getting mass removal and the desired extraction rates, but there might be some leakage (regarding containment).</p> <p>7) What does the monitoring data show? Are there any trends that show</p>			

contaminant levels are decreasing?

VOCs remain steady. Chromium concentrations are declining in GS-3 and increasing in GN-3.

8) Is there a continuous on-site O&M presence? If so, please describe staff and activities. If there is not a continuous on-site presence, describe staff and frequency of site inspection and activities.

Charles and his staff are very conscientious and stable. They are very responsible and on top of problems.

9) What are the annual O&M costs for your organization's involvement at the site?

To be given at a later date. GRG pays for the O&M; all justified costs are fine.

10) Have there been any significant changes in the O&M requirements, maintenance schedules, or sampling routines since start-up or in the last five years? If so, do they affect the protectiveness of the remedy? Please describe changes and impacts.

Sometimes, the wells will trip (under voltage), go offline, and sound a general alarm. CDM put electrical monitoring on some of the wells.

11) Have there been unexpected O&M difficulties or costs at the site since start-up or in the last five years? If so, please give details.

Metering to the packed towers failed causing a temporary shutdown. The meters were replaced within a month. Nothing unexpected; the equipment is old, so it tends to fail.

12) Have there been opportunities to optimize O&M or sampling efforts? Please describe changes and resultant or desired cost savings or improved efficiency.

The influent splitter pipe is a positive change. LPGAC regeneration is being considered. They have improved the reliability of the chlorine injection.

13) What effects have site operations had on the surrounding community?

With the WBA at GS-3, they had to add a sound blanket because of complaints about the noise. There have not been any new complaints.

14) Are you aware of any community concerns regarding the site or its operation and administration? If so, please summarize the concerns.

No.

15) Do you feel well informed about the site's activities and progress?

Yes. The monthly stakeholder meetings keep GWP well informed.

16) Are you aware of any changes in Federal/State/County/Local laws and regulations that may impact the protectiveness of the site?

NPDES is an ongoing issue for discharging well-rehab water.

17) Do you have any comments, suggestions, or recommendations regarding the site's management, operation, or any other aspects of the site?

EPA is working on remedy optimization, and there is uncertainty regarding the new remedy.

Five-Year Review Interview Record			
Site:	San Fernando Valley Area 2 Superfund Site		EPA ID No: CAD980894901
Interview Type:	Visit		
Location of Visit:	Restaurant near GWP Offices		
Date:	2/28/2013	Time:	2:45 PM
Interviewer:	ZiZi Searles David Sullivan Aaron King	Title:	RPM Geologist Environmental Engineer
		Organization:	USEPA USACE USACE
Individuals Contacted			
Name:	Karen Meade	Title:	Project Manager
		Organization:	CH2M Hill
Telephone:	(714) 429-2000	Address:	6 Hutton Centre Drive, Suite 700 Santa Ana, CA 92707
Summary of Conversation			
<p>1) What is your overall impression of the project (general sentiment)?</p> <p>The project has been impressive. The City and CDM are very proactive and aware of requirements. Monthly meetings are effective. GRG seems fairly proactive, and supportive of current operations, and there have been no budget issues.</p> <p>2) What is your current role and your agency's role with respect to the site?</p> <p>CH2M Hill is EPA's contractor to provide oversight of ongoing remedial work.</p> <p>3) Have there been routine communications or activities (site visits, inspections, reporting activities, etc.) conducted by your office regarding the site? If so, please give the purpose and results.</p> <p>CH2M Hill attends the monthly meetings. Weekly site inspections were performed during the construction and startup of the WBA and RCF facilities.</p> <p>4) Have there been any complaints, violations, or other incidents related to the site requiring a response by your office? If so, please give details of the events and the results of the responses.</p> <p>No.</p> <p>5) Are you aware of any events, incidents, or activities at the site such as vandalism, trespassing, or emergency responses from local authorities? If so, please give details.</p> <p>As Charles talked about...</p> <p>6) Is the remedy functioning as expected? How well is the remedy performing?</p> <p>Work to date has helped inhibit migration and mass removal; containment could be better. GS-3 is not getting capture. Particle tracking in the Hydraulic Containment Technical Memorandum shows escape from north and south wells, even when all wells are operating. The alternatives shown in the same memorandum still do not show complete capture. It would be better to look at it as one OU rather than two. It is functioning as expected, but there is room for improvement, and doesn't believe there is complete containment.</p> <p>7) What does the monitoring data show? Are there any trends that show contaminant levels are decreasing?</p>			

Capture doesn't appear to have been achieved or there was a loss of capture due to GS-3 down time. PCE and TCE concentrations are above the MCL down-gradient of the south extraction wells. Down-gradient well GS-P13 (screen depth 30-50 feet) has high PCE and TCE concentrations, whereas down-gradient wells GS-P4 and GS-P5 (screened depth is deeper at approximately 100 feet) have low concentrations of PCE and TCE. Also, GN-P11 on the other side of the LA River has relatively high concentrations of PCE and TCE, which might be from a different source, so there is a question regarding new sources or sources not completely defined.

8) Is there a continuous on-site O&M presence? If so, please describe staff and activities. If there is not a continuous on-site presence, describe staff and frequency of site inspection and activities.

N/A

9) What are the annual O&M costs for your organization's involvement at the site?

N/A

10) Have there been any significant changes in the O&M requirements, maintenance schedules, or sampling routines since start-up or in the last five years? If so, do they affect the protectiveness of the remedy? Please describe changes and impacts.

The Draft O&M Manual for WBA has not been integrated to the Site O&M Manual.

11) Have there been unexpected O&M difficulties or costs at the site since start-up or in the last five years? If so, please give details.

As Charles said earlier, plus resin issues at the WBA, but it's being worked on. Looking at re-activated carbon use. Should look at other resins that don't produce the formaldehyde issue.

12) Have there been opportunities to optimize O&M or sampling efforts? Please describe changes and resultant or desired cost savings or improved efficiency.

Waste minimization during well rehabilitation; carbon regeneration on-site

13) What effects have site operations had on the surrounding community?

There was a noise issue at the WBA, but it was addressed through the use of noise attenuation blankets.

14) Are you aware of any community concerns regarding the site or its operation and administration? If so, please summarize the concerns.

No.

15) Do you feel well informed about the site's activities and progress?

Yes.

16) Are you aware of any changes in Federal/State/County/Local laws and regulations that may impact the protectiveness of the site?

Only the chromium MCL to be released in the summer.

17) Do you have any comments, suggestions, or recommendations regarding the site's management, operation, or any other aspects of the site?

No. Charles is very proactive on permitting and other issues.

ive-Year Review Interview Record			
Site:	San Fernando Valley Area 2 Superfund Site		EPA ID No: CAD980894901
Interview Type:	Visit		
Location of Visit:	CDPH Office		
Date:	2/27/2013	Time:	3:40 PM
Interviewer:	ZiZi Searles David Sullivan Aaron King	Title:	RPM Geologist Environmental Engineer
Organization:	USEPA USACE USACE		
Individuals Contacted			
Name:	Thomas Tsui	Title:	Associate Sanitary Engineer
Organization:	CDPH		
Telephone:	(818) 551-2036	Address:	500 N Central Ave, Suite 500 Glendale, CA 91203
Name:	Chi Diep	Title:	Senior Sanitary Engineer
Organization:	CDPH		
Telephone:	(818) 551-2039	Address:	500 N Central Ave, Suite 500 Glendale, CA 91203
Summary of Conversation			
<p>1) What is your overall impression of the project (general sentiment)?</p> <p>It runs better than other OUs, it's newer, and so it benefited from experience of other OUs. It's easy to oversee, and it's well covered from the permit point of view.</p> <p>2) What is your current role and your agency's role with respect to the site?</p> <p>To ensure potable water produced by the site meets standards and policy requirements for impaired sources. Review reports, be involved in future design changes, and to evaluate hexavalent chromium treatment.</p> <p>3) Have there been routine communications or activities (site visits, inspections, reporting activities, etc.) conducted by your office regarding the site? If so, please give the purpose and results.</p> <p>Gets monthly reports, sampling reports, and does an inspection every 3 years. 2010 was the last inspection - nothing unique noted.</p> <p>4) Have there been any complaints, violations, or other incidents related to the site requiring a response by your office? If so, please give details of the events and the results of the responses.</p> <p>99.5% of the time it runs good. Only issue has been with NDMA in GS-1. Identifying the source was a problem, and there was some concern about the drinking water quality from GS-1 prior to the decommissioning of the LAGWRP detention pond. There was also a malfunction of a mag meter in the air stripping tower. It's old equipment, more than 10 years old. The extraction wells need attention to keep from failing. They have to rehab some wells every year, but others not as often.</p> <p>5) Are you aware of any events, incidents, or activities at the site such as vandalism, trespassing, or emergency responses from local authorities? If so, please give details.</p> <p>There are occasional access issues with DreamWorks, but otherwise, there are no issues. The site is secure.</p> <p>6) Is the remedy functioning as expected? How well is the remedy performing?</p> <p>Remedy functions as expected; it meets expectations and treatment goals, and there haven't been any violations.</p> <p>7) What does the monitoring data show? Are there any trends that show contaminant levels are decreasing?</p>			

There aren't any decreasing trends; it's pretty steady, though hexavalent chromium is increasing a little.

8) Is there a continuous on-site O&M presence? If so, please describe staff and activities. If there is not a continuous on-site presence, describe staff and frequency of site inspection and activities.

Yes. Personnel are there every day and there is a SCADA system.

9) What are the annual O&M costs for your organization's involvement at the site?

N/A

10) Have there been any significant changes in the O&M requirements, maintenance schedules, or sampling routines since start-up or in the last five years? If so, do they affect the protectiveness of the remedy? Please describe changes and impacts.

No, but there is project coming up that requires separation of a pipeline that may change O&M procedures. GOU wells in general are only 200 feet deep, so when they do the rehabs, per industry standards, they often get bacteria problems that take time to flush out. The sources of bacteria and E. coli aren't known, though they don't often get E. coli hits.

11) Have there been unexpected O&M difficulties or costs at the site since start-up or in the last five years? If so, please give details.

The only thing has been the mag meter in the tower. It took 4-7 days to change.

12) Have there been opportunities to optimize O&M or sampling efforts? Please describe changes and resultant or desired cost savings or improved efficiency.

The pipeline separation project will be a money and time saving improvement. There's also the hex chrome research.

13) What effects have site operations had on the surrounding community?

Some residents have complained of noise near the WBA wellhead treatment. The OU put sound blankets up in response.

14) Are you aware of any community concerns regarding the site or its operation and administration? If so, please summarize the concerns.

An elected official has voiced desire to have CDPH attend board meetings of the LA county board of supervisors, regarding hex chrome, but they haven't done that yet.

15) Do you feel well informed about the site's activities and progress?

Yes. City of Glendale has gone through significant personnel changes lately, so the contacts aren't as tight as they used to be.

16) Are you aware of any changes in Federal/State/County/Local laws and regulations that may impact the protectiveness of the site?

The only thing is the upcoming hexavalent chromium MCL. That, and the reduction in the 1,4 dioxane NL.

17) Do you have any comments, suggestions, or recommendations regarding the site's management, operation, or any other aspects of the site?

It runs well, but there's always room for improvement, but nothing in particular. GRG and CDM have been responsive and CDPH appreciates EPA's involvement with GS-1. Overall, a great team effort.

Five-Year Review Interview Record			
Site:	San Fernando Valley Areas 1 and 2 Superfund Sites		EPA ID No: CAD980894901
Interview Type:	Visit		
Location of Visit:	Los Angeles Regional Water Quality Control Board Office		
Date:	2/26/2013	Time:	3:00 PM
Interviewer:	ZiZi Searles David Sullivan Aaron King	Title:	RPM Geologist Environmental Engineer
		Organization:	USEPA USACE USACE
Individuals Contacted			
Name:	Larry Moore	Title:	Staff Environmental Scientist
		Organization:	Los Angeles RWQCB
Telephone:	(213) 576-6730	Address:	320 W 4th Street Suite 200 Los Angeles, CA 90013
Name:	Alex Lapolstol	Title:	Technical Consultant
		Organization:	E2 Consulting Engineers
Telephone:	(213) 576-6801	Address:	320 W 4th Street Suite 200 Los Angeles, CA 90013
Summary of Conversation			
<p>1) What is your overall impression of the project (general sentiment)?</p> <p>It's a positive project; the only unfortunate thing being that it takes longer than they would like to do things. However, it is a slow process because of due process.</p> <p>2) What is your current role and your agency's role with respect to the site?</p> <p>RWQCB works to identify PRPs, and make sure PRPs are in compliance and responsible. Mr. Moore works as a state employee on site cleanup with an emphasis on chromium, but is still involved with VOCs. Mr. Lapolstol provides support on behalf of EPA to identify chromium PRPs (though in some cases VOCs and chromium overlap), fulfill EPA information needs, and assist the state in enforcing the water code.</p> <p>3) Have there been routine communications or activities (site visits, inspections, reporting activities, etc.) conducted by your office regarding the site? If so, please give the purpose and results.</p> <p>RWQCB conducts site inspections, reviews work plans, completes chemical use questionnaires from PRPs, and oversees the cleanup process. EPA provides concurrence with cleanup levels. Mr. Lapolstol is the "eyes and ears" of EPA so that EPA isn't surprised by what the RWQCB is doing.</p> <p>4) Have there been any complaints, violations, or other incidents related to the site requiring a response by your office? If so, please give details of the events and the results of the responses.</p> <p>There have been no public complaints, and no PRP complaints that have required a response. Glendale, Burbank, and LADWP complain about the slow pace of investigations and response times of EPA and RWQCB. PRPs complain about paying for cleanup.</p> <p>5) Are you aware of any events, incidents, or activities at the site such as vandalism, trespassing, or emergency responses from local authorities? If so, please give details.</p> <p>No, though residents near the former Excelllo plating facility admitted to trespassing and rolling around in the dirt when the facility was still operational, but that did not occur in the last five years.</p> <p>6) Is the remedy functioning as expected? How well is the remedy performing?</p>			

For the NHO, EPA has spent lots of money on the remedy, but unless LADWP uses appropriate pumping rates, it's a moot point; they're just spreading contamination around. It is difficult to contain plumes the way the remedy has been operated. For the GOU, PCE, TCE, total chromium, and hexavalent chromium have been found down gradient of GS-3. The characterization of the GOU is insufficient. Part of the plume has gone off-site of the Excella facility.

7) What does the monitoring data show? Are there any trends that show contaminant levels are decreasing?

The BOU has not been completely assessed in regard to chromium. Honeywell (NHO) has been remediating an on-site source by injecting calcium polysulfide, and has been seeing reductions in off-site wells. Decreasing chromium concentrations have not been observed in the GOU; the plume appears to be shifting, rather than decreasing in concentrations.

8) Is there a continuous on-site O&M presence? If so, please describe staff and activities. If there is not a continuous on-site presence, describe staff and frequency of site inspection and activities.

RWQB has no day-to-day interactions with facilities, but receives monthly updates from the GOU.

9) What are the annual O&M costs for your organization's involvement at the site?

N/A

10) Have there been any significant changes in the O&M requirements, maintenance schedules, or sampling routines since start-up or in the last five years? If so, do they affect the protectiveness of the remedy? Please describe changes and impacts.

N/A

11) Have there been unexpected O&M difficulties or costs at the site since start-up or in the last five years? If so, please give details.

N/A

12) Have there been opportunities to optimize O&M or sampling efforts? Please describe changes and resultant or desired cost savings or improved efficiency.

N/A

13) What effects have site operations had on the surrounding community?

For example, the BOU is pumping their own water, meaning they don't have to purchase all of their water from the Metropolitan Water District. The water is clean, and no one sees the plant; it's a great benefit. In general, the public is interested. If the site has a Cleanup and Abatement Order, the PRP must do community outreach before RWQCB will issue a closure.

14) Are you aware of any community concerns regarding the site or its operation and administration? If so, please summarize the concerns.

Nothing to add; refer to response to question 13.

15) Do you feel well informed about the site's activities and progress?

Yes. The updates and contact with EPA are sufficient.

16) Are you aware of any changes in Federal/State/County/Local laws and regulations that may impact the protectiveness of the site?

OEHHA developed a PHG for hexavalent chromium, which is the precursor for development of an MCL. This will result in higher costs for treatment facilities, which will be passed on to consumers.

17) Do you have any comments, suggestions, or recommendations regarding the site's management, operation, or any other aspects of the site?

No.

Five-Year Review Interview Record					
Site:		San Fernando Valley Areas 1 and 2 Superfund Sites		EPA ID No: CAD980894901	
Interview Type:		Visit			
Location of Visit:		ULARA Watermaster Office			
Date:		2/28/2013		Time: 4:00 PM	
Interviewer:		Title:		Organization	
ZiZi Searles		RPM		USEPA	
David Sullivan		Geologist		USACE	
Aaron King		Environmental Engineer		USACE	
Individuals Contacted					
Name:		Title:		Organization:	
Richard Slade		ULARA Watermaster		ULARA Watermaster	
Telephone:		Address:			
(818) 506-0418		12750 Ventura Blvd, Suite 202 Studio City, CA 91604			
Name:		Title:		Organization:	
Anthony Hicke		Assistant to the Watermaster		ULARA Watermaster	
Telephone:		Address:			
(818) 506-0418		12750 Ventura Blvd, Suite 202 Studio City, CA 91604			
Summary of Conversation					
<p>1) What is your overall impression of the project (general sentiment)?</p> <p>The plumes are still there and have spread more. It seems like the people involved never want to commit to anything without more data, delaying cleanup. COCs are contaminating new wells, and newly contaminating old ones. The model needs updating. The project has been frustrating because things in all OUs take too long.</p> <p>2) What is your current role and your agency's role with respect to the site?</p> <p>Court-appointed Watermaster. The Watermaster accounts for extractions and protects the pumping rights and water quality in the Upper Los Angeles River Area per the 1979 judgment.</p> <p>3) Have there been routine communications or activities (site visits, inspections, reporting activities, etc.) conducted by your office regarding the site? If so, please give the purpose and results.</p> <p>There are Quarterly EPA meetings. GOU and BOU extraction reports are provided, though the Watermaster was unaware that 14 more wells had been installed at the GOU. There are Quarterly Administrative Committee meetings as part of the judgment.</p> <p>4) Have there been any complaints, violations, or other incidents related to the site requiring a response by your office? If so, please give details of the events and the results of the responses.</p> <p>N/A</p> <p>5) Are you aware of any events, incidents, or activities at the site such as vandalism, trespassing, or emergency responses from local authorities? If so, please give details.</p> <p>N/A</p> <p>6) Is the remedy functioning as expected? How well is the remedy performing?</p>					

No. The remedy has not performed as expected. The plumes are as big or bigger than they were twenty years ago. Production has moved "stuff" around. But something is better than nothing. A lot of improvement is needed, sooner rather than later. There is a goal, and it has to be met. The Judge might be unhappy if the Watermaster were to give her an update on the Sites.

7) What does the monitoring data show? Are there any trends that show contaminant levels are decreasing?

The Watermaster has only seen plume maps, but would like to see more depth-discrete plume maps.

8) Is there a continuous on-site O&M presence? If so, please describe staff and activities. If there is not a continuous on-site presence, describe staff and frequency of site inspection and activities.

N/A

9) What are the annual O&M costs for your organization's involvement at the site?

N/A

10) Have there been any significant changes in the O&M requirements, maintenance schedules, or sampling routines since start-up or in the last five years? If so, do they affect the protectiveness of the remedy? Please describe changes and impacts.

N/A

11) Have there been unexpected O&M difficulties or costs at the site since start-up or in the last five years? If so, please give details.

N/A

12) Have there been opportunities to optimize O&M or sampling efforts? Please describe changes and resultant or desired cost savings or improved efficiency.

The wells should be pumped more efficiently to capture the most contamination, through, for example, the use of packers and static spinners.

13) What effects have site operations had on the surrounding community?

The wells cannot be pumped to safe yield or are forced to exceed safe yield, which ultimately means it costs more for customers to buy water, due in part to cities having to buy outside water. The region will need a new safe yield study soon.

14) Are you aware of any community concerns regarding the site or its operation and administration? If so, please summarize the concerns.

N/A

15) Do you feel well informed about the site's activities and progress?

The Watermaster receives a lot of PRP reports (not all of them), but trusts regulators to review these. The Watermaster likes to be kept informed.

16) Are you aware of any changes in Federal/State/County/Local laws and regulations that may impact the protectiveness of the site?

Yes.

17) Do you have any comments, suggestions, or recommendations regarding the site's management, operation, or any other aspects of the site?

Older wells in the NHOU and BOU lack sanitary seals. Static surveys should be performed to ascertain the direction of groundwater flow within the wells. Also, it cannot be assumed that water removed from the same depth at different wells comes from the same aquifer system; the hydrogeology is not well defined or understood.

Five-Year Review Interview Record			
Site:	San Fernando Valley Area 1 and Area 2 Superfund Sites		EPA ID No: CAD980894893
Interview Type:	Phone		
Location of Visit:	N/A		
Date:	5/6/2013	Time:	11:00 AM
Interviewer:	ZiZi Searles Aaron King	Title: RPM Environmental Engineer	Organization: USEPA USACE
Individuals Contacted			
Name:	Tedd Yargeau	Title:	Senior Scientist
Telephone:	(818) 212-5340	Address:	9211 Oakdale Avenue Chatsworth, CA 91311
Summary of Conversation			
<p>1) What is your overall impression of the project (general sentiment)?</p> <p>Overall, the projects are very good. Things are moving forward with the GCOU and things are going well with the BOU. There have been some issues in the NHOU with bringing in other responsible parties.</p> <p>2) What is your current role and your agency's role with respect to the site?</p> <p>Peer-reviewing documents. DTSC ensures that the state's interests are represented.</p> <p>3) Have there been routine communications or activities (site visits, inspections, reporting activities, etc.) conducted by your office regarding the site? If so, please give the purpose and results.</p> <p>There have been no recent site visits, though DTSC is well aware of what is going on due to communications from EPA and PRPs.</p> <p>4) Have there been any complaints, violations, or other incidents related to the site requiring a response by your office? If so, please give details of the events and the results of the responses.</p> <p>No.</p> <p>5) Are you aware of any events, incidents, or activities at the site such as vandalism, trespassing, or emergency responses from local authorities? If so, please give details.</p> <p>No.</p> <p>6) Is the remedy functioning as expected? How well is the remedy performing?</p> <p>The remedies are functioning for the most part with the exception of the NHOU (regarding containment). However, all of the remedies are headed in the right direction.</p> <p>7) What does the monitoring data show? Are there any trends that show contaminant levels are decreasing?</p> <p>Contaminant levels are definitely decreasing, except for hexavalent chromium in some wells in the NHOU.</p>			

8) Is there a continuous on-site O&M presence? If so, please describe staff and activities. If there is not a continuous on-site presence, describe staff and frequency of site inspection and activities.

There is no oversight on behalf of the state but DTSC is aware of EPA's oversight.

9) What are the annual O&M costs for your organization's involvement at the site?

N/A

10) Have there been any significant changes in the O&M requirements, maintenance schedules, or sampling routines since start-up or in the last five years? If so, do they affect the protectiveness of the remedy? Please describe changes and impacts.

The only new thing is the new and emerging compounds, especially hexavalent chromium. The second remedy for the NHOU will treat for hexavalent chromium, and the GOU is actively working on a chromium remedy.

11) Have there been unexpected O&M difficulties or costs at the site since start-up or in the last five years? If so, please give details.

Bringing more PRPs on board has been a challenge in the NHOU.

12) Have there been opportunities to optimize O&M or sampling efforts? Please describe changes and resultant or desired cost savings or improved efficiency.

EPA has been trying to be more efficient in sampling by reducing the number of mobilizations.

13) What effects have site operations had on the surrounding community?

DTSC has not heard any complaints; EPA has been running a great outreach program.

14) Are you aware of any community concerns regarding the site or its operation and administration? If so, please summarize the concerns.

There was a recent inquiry regarding a real estate purchase in the San Fernando Valley and whether the presence of the contamination could affect the value of the property. DTSC responded that property values would not be affected.

15) Do you feel well informed about the site's activities and progress?

Yes. EPA has actively notified DTSC.

16) Are you aware of any changes in Federal/State/County/Local laws and regulations that may impact the protectiveness of the site?

The MCL for hexavalent chromium may impact protectiveness, and the challenge has been how to address it. EPA has moved in the right direction, and technologies are being tested that could treat hexavalent chromium down to what the MCL might be.

17) Do you have any comments, suggestions, or recommendations regarding the site's management, operation, or any other aspects of the site?

No. EPA has done a very good job at managing a complex project, and DTSC certainly appreciates it.

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Appendix D: Site Inspection Checklist

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Site Inspection Checklist

I. SITE INFORMATION	
Site name: San Fernando Valley- Area 2	Date of inspection: 28 February 2013
Location: Glendale/Los Angeles County/California	EPA ID: CAD980894901
Agency, office, or company leading the five-year review: USACE	Weather/temperature Sunny, calm wind, 73 degrees F
Remedy Includes: (Check all that apply) <div style="display: flex; flex-wrap: wrap; justify-content: space-between; margin-top: 10px;"> <div style="width: 45%;"> ☐ Landfill cover/containment ☒ Access controls ☒ Institutional controls ☒ Groundwater pump and treatment ☐ Surface water collection and treatment ☐ Other: _____ </div> <div style="width: 45%;"> ☐ Monitored natural attenuation ☒ Groundwater containment ☐ Vertical barrier walls </div> </div>	
Attachments: ☐ Inspection team roster attached ☐ Site map attached	
II. INTERVIEWS (Check all that apply)	
1. O&M site manager <u>Charles Cron</u> <u>Lead O&M Specialist</u> <u>28 February 2013</u>	
Name	Title Date
Interviewed ☒ at site ☐ at office ☐ by phone	
Problems, suggestions; ☒ Report attached <u>See Appendix C</u>	
2. O&M staff _____	
Name	Title Date
Interviewed ☐ at site ☐ at office ☐ by phone	
Problems, suggestions; ☐ Report attached <u>See Appendix C</u>	

3. **Local regulatory authorities and response agencies** (i.e., State and Tribal offices, emergency response office, police department, office of public health or environmental health, zoning office, recorder of deeds, or other city and county offices, etc.) Fill in all that apply.

Agency: RWQCB

Contact: Larry Moore Staff Environmental Scientist 26 February 2013

Name	Title	Date
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Problems; suggestions; ☒ Report attached See Appendix C

Agency: EPA Consultant

Contact: Alex Lapolstol Technical Consultant 26 February 2013

Name	Title	Date
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Problems; suggestions; ☒ Report attached See Appendix C

Agency: CDPH

Contact: Thomas Tsui Associate Sanitary Engineer 27 February 2013

Name	Title	Date
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Problems; suggestions; ☒ Report attached See Appendix C

Agency: City of Glendale Water and Power

Contact: Leighton Fong Civil Engineer II 28 February 2013

Name	Title	Date
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Problems; suggestions; ☒ Report attached See Appendix C

4. **Other interviews** (optional) ☒ Report attached.

Karen Meade, CH2M Hill; Richard Slade and Anthony Hicke, ULARA Watermaster; Leo Chan, City of Glendale Water and Power; Chi Diep, CDPH; Dan Sutton; CDM Smith; See Appendix C

III. ON-SITE DOCUMENTS & RECORDS VERIFIED (Check all that apply)

1. **O&M Documents**

☒ O&M manual	☒ Readily available	☒ Up to date	☐ N/A
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☒ As-built drawings	☒ Readily available	☒ Up to date	☐ N/A
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☒ Maintenance logs	☒ Readily available	☒ Up to date	☐ N/A
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Remarks Monthly reports show daily maintenance logs

2. **Site-Specific Health and Safety Plan** ☒ Readily available ☒ Up to date ☐ N/A

☒ Contingency plan/emergency response plan	☒ Readily available	☒ Up to date	☐ N/A
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Remarks None

3.	O&M and OSHA Training Records	☒ Readily available	☒ Up to date	☐ N/A
Remarks <u>Training records are also tracked on a corporate system</u>				
4.	Permits and Service Agreements			
	☒ Air discharge permit	☒ Readily available	☒ Up to date	☐ N/A
	☐ Effluent discharge	☐ Readily available	☐ Up to date	☐ N/A
	☐ Waste disposal, POTW	☐ Readily available	☐ Up to date	☐ N/A
	☒ Other permits <u>CDPH</u>	☒ Readily available	☒ Up to date	☐ N/A
Remarks <u>None</u>				
5.	Gas Generation Records	☐ Readily available	☐ Up to date	☒ N/A
Remarks <u>None</u>				
6.	Settlement Monument Records	☐ Readily available	☐ Up to date	☒ N/A
Remarks <u>None</u>				
7.	Groundwater Monitoring Records	☒ Readily available	☒ Up to date	☐ N/A
Remarks <u>None</u>				
8.	Leachate Extraction Records	☐ Readily available	☐ Up to date	☒ N/A
Remarks <u>None</u>				
9.	Discharge Compliance Records			
	☐ Air	☐ Readily available	☐ Up to date	☐ N/A
	☒ Water (effluent)	☒ Readily available	☒ Up to date	☐ N/A
Remarks <u>None</u>				
10.	Daily Access/Security Logs	☒ Readily available	☒ Up to date	☐ N/A
Remarks <u>None</u>				
IV. O&M COSTS				
1.	O&M Organization			
	☐ State in-house	☐ Contractor for State		
	☐ PRP in-house	☐ Contractor for PRP		
	☐ Federal Facility in-house	☐ Contractor for Federal Facility		
	☒ Other Contractor <u>CDM Smith is contracted by the City of Glendale.</u>			

2.	O&M Cost Records ☒ Readily available ☒ Up to date ☒ Funding mechanism/agreement in place Original O&M cost estimate ☐ Breakdown attached Total annual cost by year for review period if available From <u>Jan 2010</u> To <u>Dec 2010</u> <u>\$2,917,282.34</u> ☒ Breakdown attached Date Date Total cost From <u>Jan 2011</u> To <u>Dec 2011</u> <u>\$3,224,070.94</u> ☒ Breakdown attached Date Date Total cost From <u>Jan 2012</u> To <u>Dec 2012</u> <u>\$3,157,578.17</u> ☒ Breakdown attached Date Date Total cost		
3.	Unanticipated or Unusually High O&M Costs During Review Period Describe costs and reasons: <u>None</u>		
V. ACCESS AND INSTITUTIONAL CONTROLS ☒ Applicable ☐ N/A			
A. Fencing			
1.	Fencing damaged ☐ Location shown on site map ☒ Gates secured ☐ N/A Remarks <u>Security fence and gate in good condition.</u>		
B. Other Access Restrictions			
1.	Signs and other security measures ☐ Location shown on site map ☐ N/A Remarks <u>Has 4 surveillance cams, which are monitored at the power substation. There are intrusion alarms at all buildings, well covers, and control panels.</u>		
C. Institutional Controls (ICs)			

1.	Implementation and enforcement	
	Site conditions imply ICs not properly implemented	☐ Yes ☒ No ☐ N/A
	Site conditions imply ICs not being fully enforced	☐ Yes ☒ No ☐ N/A
	Type of monitoring (<i>e.g.</i> , self-reporting, drive by) <u>N/A</u>	
	Frequency <u>N/A</u>	
	Responsible party/agency <u>N/A</u>	
	Reporting is up-to-date	☐ Yes ☐ No ☐ N/A
	Reports are verified by the lead agency	☐ Yes ☐ No ☐ N/A
	Specific requirements in deed or decision documents have been met	☐ Yes ☐ No ☒ N/A
	Violations have been reported	☐ Yes ☐ No ☒ N/A
	Other problems or suggestions: ☐ Report attached	
	<u>No problems or suggestions; See Section 6.7</u>	
2.	Adequacy ☒ ICs are adequate ☐ ICs are inadequate ☐ N/A	
	Remarks <u>None</u>	
D. General		
1.	Vandalism/trespassing ☐ Location shown on site map ☐ No vandalism evident	
	Remarks <u>No trespassing. Minor graffiti on front gate and an exposed pipeline near the Los Angeles River.</u>	
2.	Land use changes on site ☒ N/A	
	Remarks <u>None</u>	
3.	Land use changes off site ☒ N/A	
	Remarks <u>None</u>	
VI. GENERAL SITE CONDITIONS		
A. Roads ☒ Applicable ☐ N/A		
1.	Roads damaged ☐ Location shown on site map ☒ Roads adequate ☐ N/A	
	Remarks <u>None</u>	
B. Other Site Conditions		
	Remarks <u>In general, site is clean and in good condition.</u>	
VII. LANDFILL COVERS ☐ Applicable ☒ N/A		
VIII. VERTICAL BARRIER WALLS ☐ Applicable ☒ N/A		

IX. GROUNDWATER/SURFACE WATER REMEDIES ☒ Applicable ☐ N/A	
A. Groundwater Extraction Wells, Pumps, and Pipelines ☒ Applicable ☐ N/A	
1.	Pumps, Wellhead Plumbing, and Electrical ☒ Good condition ☒ All required wells properly operating ☐ Needs Maintenance ☐ N/A Remarks <u>None</u>
2.	Extraction System Pipelines, Valves, Valve Boxes, and Other Appurtenances ☒ Good condition ☐ Needs Maintenance Remarks <u>None</u>
3.	Spare Parts and Equipment ☒ Readily available ☒ Good condition ☐ Requires upgrade ☐ Needs to be provided Remarks <u>None</u>
B. Surface Water Collection Structures, Pumps, and Pipelines ☐ Applicable ☒ N/A	
C. Treatment System ☒ Applicable ☐ N/A	
1.	Treatment Train (Check components that apply) ☒ Metals removal ☐ Oil/water separation ☐ Bioremediation ☒ Air stripping ☒ Carbon adsorbers ☐ Filters _____ ☒ Additive (<i>e.g.</i> , chelation agent, flocculent) <u>Polyphosphate antiscalant</u> ☐ Others _____ ☒ Good condition ☐ Needs Maintenance ☒ Sampling ports properly marked and functional ☒ Sampling/maintenance log displayed and up to date ☒ Equipment properly identified ☒ Quantity of groundwater treated annually <u>7,180 – 8,000 acre-ft</u> ☐ Quantity of surface water treated annually <u>None</u> Remarks <u>None</u>
2.	Electrical Enclosures and Panels (properly rated and functional) ☐ N/A ☒ Good condition ☐ Needs Maintenance Remarks <u>None</u>

3.	Tanks, Vaults, Storage Vessels ☐ N/A ☒ Good condition ☒ Proper secondary containment ☐ Needs Maintenance Remarks <u>Materials in tanks properly identified</u>
4.	Discharge Structure and Appurtenances ☐ N/A ☒ Good condition ☐ Needs Maintenance Remarks <u>None</u>
5.	Treatment Building(s) ☐ N/A ☒ Good condition (esp. roof and doorways) ☐ Needs repair ☒ Chemicals and equipment properly stored Remarks <u>None</u>
6.	Monitoring Wells (pump and treatment remedy) ☐ Properly secured/locked ☐ Functioning ☐ Routinely sampled ☐ Good condition ☐ All required wells located ☐ Needs Maintenance ☐ N/A Remarks <u>Monitoring wells were not visited on the site inspection</u>
D. Monitoring Data	
1.	Monitoring Data ☒ Is routinely submitted on time ☒ Is of acceptable quality
2.	Monitoring data suggests: ☐ Groundwater plume is effectively contained ☐ Contaminant concentrations are declining
E. Monitored Natural Attenuation	
1.	Monitoring Wells (natural attenuation remedy) ☐ Properly secured/locked ☐ Functioning ☐ Routinely sampled ☐ Good condition ☐ All required wells located ☐ Needs Maintenance ☐ N/A Remarks <u>This is not an MNA remedy, it is a containment remedy.</u>
X. OTHER REMEDIES	
<u>N/A</u>	

XI. OVERALL OBSERVATIONS	
A. Implementation of the Remedy	
	<p>Describe issues and observations relating to whether the remedy is effective and functioning as designed. Begin with a brief statement of what the remedy is to accomplish (i.e., to contain contaminant plume, minimize infiltration and gas emission, etc.).</p> <p><u>The purposes of the remedy are plume containment, mass removal, and maintaining an extraction rate of 5,000 gpm. Mass removal and the targeted extraction rate are being achieved, but the extent of plume containment is unknown. The only challenge has been extraction well maintenance routines; wastewater is generated and must be dealt with. Routine operations have not been affected by bacteria; bacteria is only an issue during well rehabilitation.</u></p>
B. Adequacy of O&M	
	<p>Describe issues and observations related to the implementation and scope of O&M procedures. In particular, discuss their relationship to the current and long-term protectiveness of the remedy.</p> <p><u>There have been no O&M challenges along these lines in the last 5 years. Adequate time has been available to schedule any necessary maintenance.</u></p>
C. Early Indicators of Potential Remedy Problems	
	<p>Describe issues and observations such as unexpected changes in the cost or scope of O&M or a high frequency of unscheduled repairs that suggest that the protectiveness of the remedy may be compromised in the future.</p> <p><u>None</u></p>
D. Opportunities for Optimization	
	<p>Describe possible opportunities for optimization in monitoring tasks or the operation of the remedy.</p> <p><u>The influent line pipe was split so that the system would not have to completely shut down during well rehabilitation. CDM Smith is looking at different ways to treat or use wastewater generated during well rehab. Looking to recycle backwash water through the plant, which CDPH is considering. CDPH has shown an increased willingness to allow increased flow rates though LPGAC units during change outs.</u></p>

Glendale Operable Unit
O&M Expenses

2010	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC	TOTAL
City Utility Charges	34,682.28	27,333.07	33,882.34	24,428.91	30,388.72	34,838.95	32,389.30	46,684.20	32,732.81	33,423.51	35,183.25	30,844.46	396,811.80
CDM	453,397.56	112,267.65	261,005.55	217,053.81	163,631.12	109,267.67	203,945.68	132,018.93	372,933.82	170,099.26	91,878.22	202,959.13	2,490,458.40
KJ	6,483.85	2,820.29	3,033.00	2,187.10	1,475.39	1,050.60	3,227.76	3,250.05	787.88	1,323.55	1,830.39	2,542.28	30,012.14
Total	494,563.69	142,421.01	297,920.89	243,669.82	195,495.23	145,157.22	239,562.74	181,953.18	406,454.51	204,846.32	128,891.86	236,345.87	2,917,282.34
2011	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC	TOTAL
City Utility Charges	32,810.38	29,606.89	27,186.40	27,641.15	27,299.10	31,878.08	27,911.94	52,997.92	35,594.48	32,198.38	27,869.03	36,282.62	389,276.37
CDM	262,446.06	323,519.87	329,940.74	312,855.82	89,242.55	372,601.47	203,828.10	119,290.44	308,828.52	72,614.11	170,111.61	247,087.97	2,812,367.26
KJ	3,488.76	3,802.66	1,519.18	1,519.14	2,728.84		1,865.59	1,067.34	1,283.64	1,423.98	1,529.55	2,198.63	22,427.31
Total	298,745.20	356,929.42	358,646.32	342,016.11	119,270.49	404,479.55	233,605.63	173,355.70	345,706.64	106,236.47	199,510.19	285,569.22	3,224,070.94
2012	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC	TOTAL
City Utility Charges	26,300.48	30,384.79	38,721.92	33,985.71	30,355.86	25,046.96	32,324.48	41,905.62	56,291.79	37,391.11	45,087.66	44,321.30	442,117.67
CDM	133,122.66	320,919.98	439,411.05	87,663.85	280,193.77	124,285.81	221,764.23	162,328.95	277,785.71	248,289.29	88,599.33	302,272.96	2,686,637.58
KJ	6,225.06	3,060.56	1,277.20	625.34	1,911.94	1,874.60	2,934.41	2,581.46	1,302.74	1,295.09	2,102.48	3,632.04	28,822.92
Total	165,648.20	354,365.33	479,410.17	122,274.90	312,461.57	151,207.37	257,023.12	206,816.02	335,380.24	286,975.49	135,789.46	350,226.30	3,157,578.17

Notes
City Utility Charges - Water and power costs, City oversight, CDPH charges. Credit given for energy and lab costs City would have incurred.
CDM Charges - Labor and materials to operate GWTP and wells, includes chemicals, lab analysis, and GAC.
KJ -Kennedy/Jenks expenses as cost consultant.
Not included are the Operational Loss payments, the Settlement Agreement payments (\$124,000/yr from 2008 - 2011) or property easements fees.

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Appendix E: Photographs from Site Inspection Visit

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Photographs from Site Inspection Visit



Photo 1. GOU Air strippers



Photo 2. One train of VPGAC units



Photo 3. One train (air stripper and three VPGAC units)



Photo 4. VPGAC units



Photo 5. LPGAC units



Photo 6. Air strippers and VPGAC units



Photo 7. Air intake/filter for air stripper



Photo 8. Backwash/recycle equipment



Photo 9. Backwash/recycle equipment



Photo 10. Anti-scalant chemical feed



Photo 11. Anti-scalant storage tank



Photo 12. Anti-scalant feed room entrance



Photo 13. Sodium hypochlorite feed room entrance



Photo 14. Hypochlorite feed



Photo 15. Sodium hypochlorite storage tank



Photo 16. Stormwater treatment system



Photo 17. Heater upstream of VPGAC units



Photo 18. RCF Pilot System



Photo 19. More RCF system components



Photo 20. RCF Pilot System with zero valent iron columns

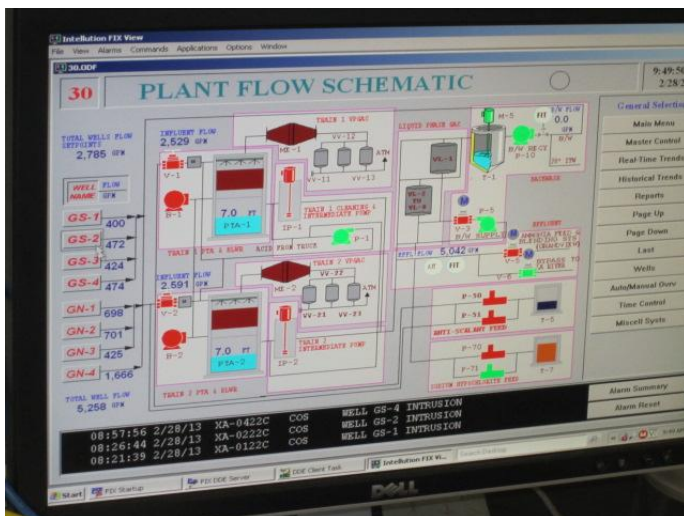


Photo 21. GOU SCADA Display



Photo 22. Extraction well GN-4 (from outside the vault)



Photo 23. Extraction well GN-4



Photo 24. Extraction well GN-4



Photo 25. Extraction well GN-4



Photo 26. Locations of extraction wells GN-4 (orange marker in foreground) and GN-2 (orange marker in background)



Photo 27. Sample point for GN-4



Photo 28. Extraction well GS-1



Photo 29. LAGWRP Outfall

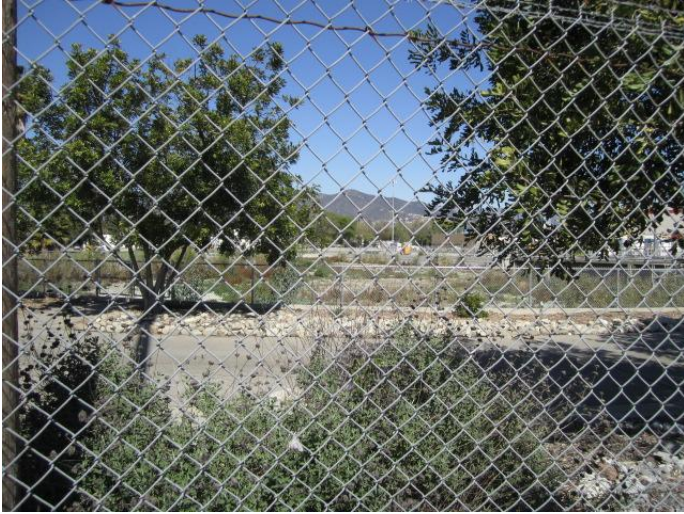


Photo 30. Former LAGWRP Detention Pond (behind second fence)



Photo 31. Well-head WBA process at GS-3



Photo 32. Water storage units for degradation of formaldehyde from initial flushing of ion-exchange resin

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Appendix F: ARARs Summary

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ARARs Summary

Chemical-specific ARARs

Chemical-specific ARARs are discussed in section **Error! Reference source not found.**1. Table 1 summarizes the chemical-specific ARARs.

Action-specific ARARs

Action-specific ARARs identified include Air Quality Standards, Hazardous Waste Management Regulations, and Water Quality Standards for ReInjection. These are summarized in Table 2.

In California, the authority for enforcing the standards established under the Clean Air Act has been delegated to the State. The program is administered by the South Coast Air Quality Management District (SCAQMD).

The State of California has been authorized by the EPA to develop and enforce its own hazardous waste regulations in lieu of the Federal program. These requirements are found in 22 CCR Division 4.5. The source of the VOCs in groundwater is unknown and, therefore, cannot be definitively classified as listed hazardous wastes. However, EPA determined in both RODs that the contaminants are sufficiently similar in nature to listed hazardous wastes that certain substantive requirements of California's hazardous waste regulations are relevant and appropriate at the site.

To-Be-Considered (TBC) Criteria

Two TBC criteria were identified for the GOU and are summarized in Table 3. As noted previously, the 1,4-dioxane notification level was revised from 3 to 1 µg/L in November 2010.

Table 1. Chemical-specific ARARs

Source	Citation	Description	Effect on Protectiveness	Comments	Amendment Date
SDWA (2 USC 300 et seq.)	National Primary Drinking Water Standards, including 40 CFR 141.61 and 40 CFR 141.62	Chemical-specific drinking water standards and MCLs have been promulgated under the SDWA; MCLGs above zero are considered chemical-specific ARARs under the NCP (40 CFR 300.430(e)(2)(i)(B)). When the MCLGs are equal to zero, which is generally the case for a chemical considered to be a carcinogen, the MCL is considered the chemical-specific ARAR instead of the MCLG (40 CFR 300.430(e)(2)(i)(C)). Established MCLs for COCs are listed in Error! Reference source not found..	There have been no changes to the federal MCLs since the last FYR. Protectiveness is not affected.	The MCLs are ARARs for the purpose of establishing performance standards for the treated water from the GOU treatment plant.	N/A
California Safe Drinking Water Act	California Safe Drinking Water Regulations, including 22 CCR 64431 and 22 CCR 64444	Contains provision for California domestic water quality; establishes MCLs for primary drinking water chemicals. Established MCLs for COCs are listed in Error! Reference source not found..	There have been no changes to the state MCLs since the last FYR. Protectiveness is not affected.	The MCLs are ARARs for the purpose of establishing performance standards for COCs in the water extracted from the basin and treated at the treatment plants.	N/A
California Domestic Water Quality Monitoring Regulations	CCR Title 22 Sections 64421 – 64445.2	Requires monitoring for any treated water which will be delivered to a distribution system.	No changes have been made to this requirement. Protectiveness is not affected.	Substantive monitoring requirements are relevant and appropriate to ensure that treated effluent is meeting performance standards.	N/A
California Secondary Drinking Water Standards (SDWS)	22 CCR 64471	Secondary Drinking Water Standards were promulgated to address the taste, odor, and appearance of drinking water, and apply the action of supplying the treated water to a public water supplier.	No changes have been made to this requirement. Protectiveness is not affected.	Although California SDWS are not applicable to non-public water system suppliers, the California SDWS are relevant and appropriate since the treated water under this action would be put into the City's drinking water system action.	N/A

Table 2. Action-specific ARARs

Source	Citation	Description	Effect on Protectiveness	Comments	Amendment Date
Clean Air Act SCAQMD	Regulation XIII	Regulation XIII requires that stationary sources of air emissions meet best available technology standards.	Rules 1309 (Emission Reduction Credits and Short Term Credits), 1315 (Federal New Source Tracking System), and 1325 (Federal PM _{2.5} New Source Review Program) of Regulation XIII have been amended or adopted since the previous FYR, but none of the changes affect protectiveness.	For air strippers, SCAQMD considers vapor phase GAC (with 90-99% removal efficiency) devices to be BACT. These are pre-construction requirements, so it is assumed that all applicable requirements were obtained before treatment units went on-line.	Latest amendment was on June 3, 2011.
Clean Air Act SCAQMD	Rule 1401	Rule 1401 specifies limits for individual cancer risk and excess cancer cases from new or modified stationary sources which emit carcinogenic air contaminants. The rule requires Best Available Control Technology (BACT) for toxic air discharge for new stationary sources where a lifetime maximum individual cancer risk of one in one million or greater is estimated to occur.	The list of chronic and acute toxic air contaminants was expanded, but this does not affect protectiveness.	As Rule 1401 is a pre-construction regulation, it is assumed that all applicable requirements were attained before the treatment units went on-line. If the air stripping treatment system is modified significantly, substantive provisions of Rule 1401 will still apply.	Latest amendment was on September 10, 2010.
Clean Air Act SCAQMD	Rule 401, Rule 402, Rule 403	Limit the visible emissions from a point source (Rule 401), prohibits discharge of material that is odorous or causes injury, nuisance or annoyance to the Public (Rule 402), and limits down-wind particulate concentrations (Rule 403).	No changes have been made to these requirements since that last FYR. Protectiveness is not affected.	These rules limit or prohibit visible, odorous or injurious, and particulate emissions from the treatment facility.	N/A
California Hazardous Waste Regulations, General Requirements	22 CCR 66264.14, 66264.18, and 66264.25	These sections specify security requirements (66264.14), location standards (66264.18), and precipitation standards (66264.25).	No changes have been made to this requirement since that last FYR. Protectiveness is not affected.	These are pre-construction requirements, so it is assumed that all applicable requirements were obtained before treatment units went on-line.	N/A

Source	Citation	Description	Effect on Protectiveness	Comments	Amendment Date
California Hazardous Waste Regulations, General Requirements	22 CCR 66264.15, 66264.16, and 66264.30-66264.56	These sections specify general inspection requirements (66264.15), personnel training (66264.16), and Preparedness and Prevention and Contingency and Emergency Preparedness (66264.30-66264.56)	No changes have been made to these requirements since that last FYR. Protectiveness is not affected.	The treatment plant is required to have health and safety plans and operation and maintenance plans under CERCLA that are substantively equivalent to these sections.	N/A
California Hazardous Waste Regulations, Generator Requirements	22 CCR 66264.600 - .603 ; 22 CCR 66264.111- .115	22 CCR 66264.600 - .603 contains requirements for miscellaneous units (air stripper is considered a miscellaneous unit). 22 CCR 66264.111- .115 contains closure requirements for the air stripper. The air stripper should be designed, operated, maintained, and closed in a manner that will ensure the protection of human health and the environment.	No changes have been made to these requirements since that last FYR. Protectiveness is not affected.	The substantive requirements for miscellaneous units and related substantive closure requirements appropriate and relevant for the air stripper.	N/A
California Hazardous Waste Regulations, Generator Requirements	22 CCR 66262.34 and 66264.170-.178	Waste stored on-site over 90 days should be placed in containers or tanks that are in compliance with California Waste Regulations.	No changes have been made to this requirement since that last FYR. Protectiveness is not affected.	Storage of hazardous waste accumulated on-site must be in compliance with substantive requirements for interim status facilities.	N/A
California Land Disposal Restrictions, Requirements for Generators	22 CCR 66268	Compliance with land disposal regulation treatment standards is required if hazardous waste (contaminated groundwater or spent GAC) is placed on land.	No changes have been made to these requirements since that last FYR. Protectiveness is not affected.	Hazardous waste hauled off-site must meet “land-ban” requirements.	N/A

Source	Citation	Description	Effect on Protectiveness	Comments	Amendment Date
Groundwater ReInjection	40 CFR 144.12-.13	Federal Underground Injection Control Plan and prohibits injection wells such as those that would be located at the Site from (1) causing a violation of primary MCLs in the receiving waters and (2) adversely affecting the health of persons (40 C.F.R. §144.12). Section 144.13 provides that contaminated ground water that has been treated may be reinjected into the formation from which it is withdrawn if such injection is conducted pursuant to a CERCLA cleanup and is approved by EPA.	40 CFR 144.12 was amended in December 2010, but the amendment does not affect protectiveness.	These regulations are applicable to any treated water that is reinjected into the groundwater.	Dec 10, 2010
Groundwater ReInjection or Discharge to Surface Water	State Water Resources Control Board Resolution 68-16	Requires that reinjected water not unreasonably degrade existing water quality.	No changes have been made to this requirement since that last FYR. Protectiveness is not affected.	Resolution 68-16 (Statement of Policy with respect to Maintaining High Quality of Waters in California) does not contain substantive requirements in and of itself. These regulations are applicable to any treated water that is reinjected into the groundwater or discharged to surface water.	N/A
Groundwater ReInjection	RCRA Section 3020	Provides that the ban on the disposal of hazardous waste into a formation which contains an underground source of drinking water shall not apply to the injection of contaminated groundwater into the aquifer if: 1) such reinjection is part of a response action under CERCLA, 2) such contaminated groundwater is treated to substantially reduce hazardous constituents prior to such reinjection, and 3) such response action will, upon completion, be sufficient to protect human health and the environment.	No changes have been made to this requirement since that last FYR. Protectiveness is not affected.	This regulation is applicable to any treated water that is reinjected into the groundwater.	N/A

Source	Citation	Description	Effect on Protectiveness	Comments	Amendment Date
Treated Groundwater Discharge to Surface Water	Water Quality Control Plan for Los Angeles River Basin (RWQCB)	Treated water that is discharged, on a short term basis, to the Los Angeles River is subject to the National Pollutant Discharge Elimination System (NPDES) Program which is implemented by the Los Angeles RWQCB. In establishing effluent limitations for such discharges, the Los Angeles RWQCB considers the Basin Plan, which incorporates Resolution 68-16, and the best available technology economically achievable.	No changes have been made to this requirement since that last FYR. Protectiveness is not affected.	This requirement is applicable to any treated water that is discharged to surface water.	N/A
Mineral Quality Objectives for Treated Groundwater Discharge to Surface Water	Water Quality Control Plan for Los Angeles River Basin (RWQCB)	The Los Angeles RWQCB established mineral quality objectives for individual surface waters for the Los Angeles River Watershed. The mineral quality objective for nitrate in the Los Angeles River of 36 mg/L (8 mg/L nitrate-N).	No changes have been made to this requirement since that last FYR. Protectiveness is not affected.	Because the anticipated average concentration of nitrate in the short-term discharge is likely to be close to the MCL, and any discharge would be short-term, there should not be any significant long-term effects on the mineral quality of the Los Angeles River associated with short-term discharges of VOC-treated water. This requirement is applicable to any treated water that is discharged to surface water.	N/A

Table 3. To Be Considered Criteria

Source	Citation	Description	Effect on Protectiveness	Comments	Amendment Date
California PHGs, California Environmental Protection Agency, and OEHHA	California Calderon-Sher SDWA of 1996, California Health and Safety Code 116365	OEHHA has adopted PHGs for chemicals in drinking water. PHGs are levels of drinking water contaminants at which adverse health effects are not expected to occur from a lifetime of exposure.	No changes have been made to this requirement. Protectiveness is not affected.	In the absence of MCLs, the state PHGs adopted by OEHHA have been considered during selection of performance standards for extracted groundwater.	N/A
CDPH Drinking Water Notification Levels	California Health and Safety Code 116455	CDPH has established drinking water notification levels (formerly known as action levels) based on health effects, but in some cases they are based on taste and odor values for chemicals without MCLs.	CDPH revised its notification level for 1,4-dioxane from 3 to 1 µg/L. Notification levels are not ARARs. Protectiveness is not affected.	In the absence of MCLs, the drinking water notification levels established by CDPH have been considered during selection of performance standards for extracted groundwater.	December 14, 2010

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**Appendix G: Summary of Contaminant
Concentrations in GOU
Extraction Wells from January
2008 – December 2012**

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Summary of Contaminant Concentrations in GOU Extraction Wells from January 2008 – December 2012

Highlighted cells indicate that values are above the most stringent performance standard listed in **Error! Reference source not found.**

Maximum, minimum, median, and average values are based on detected values; non-detect values were not included in these calculations.

Contaminant	Summary Parameter	Well							
		Well GN-1	Well GN-2	Well GN-3	Well GN-4	Well GS-1	Well GS-2	Well GS-3	Well GS-4
1,1,2,2-Tetrachloroethane (µg/L)	Max	--	--	--	--	--	--	--	--
	Min	--	--	--	--	--	--	--	--
	Median	--	--	--	--	--	--	--	--
	Average	--	--	--	--	--	--	--	--
	Number of Samples	58	58	56	57	57	56	58	59
	Number of Non-detects	58	58	56	57	57	56	58	59
1,1,2-Trichloroethane (µg/L)	Max	--	--	0.54	--	--	--	--	--
	Min	--	--	0.53	--	--	--	--	--
	Median	--	--	0.54	--	--	--	--	--
	Average	--	--	0.54	--	--	--	--	--
	Number of Samples	58	58	56	57	57	56	58	59
	Number of Non-detects	58	58	54	57	57	56	58	59
1,1-Dichloroethane (1,1-DCA) (µg/L)	Max	--	1.6	3.4	--	1.8	1.2	--	--
	Min	--	0.5	1	--	0.83	0.56	--	--
	Median	--	0.6	2.1	--	1.2	0.8	--	--
	Average	--	0.76	2.00	--	1.21	0.80	--	--
	Number of Samples	58	57	56	57	57	56	57	59
	Number of Non-detects	58	52	0	57	2	0	57	59
1,1-Dichloroethene (1,1-DCE) (µg/L)	Max	0.54	9.8	54	--	17	12	1.2	--
	Min	0.54	0.51	2.72	--	7.5	5.3	0.5	--
	Median	0.54	1.1	39.5	--	11	8.05	0.64	--
	Average	0.54	1.37	37.5	--	11.3	8.02	0.70	--

	Number of Samples	58	58	56	57	57	56	58	59
	Number of Non-detects	57	5	0	57	2	0	19	59
1,2-Dichloroethane (1,2-DCA) (µg/L)	Max	--	--	1.7	--	116	--	--	--
	Min	--	--	1	--	1.3	--	--	--
	Median	--	--	1.3	--	58.7	--	--	--
	Average	--	--	1.29	--	58.7	--	--	--
	Number of Samples	58	57	56	57	57	56	57	59
	Number of Non-detects	58	57	0	57	55	56	57	59
Benzene (µg/L)	Max	--	--	--	--	6.1	--	--	--
	Min	--	--	--	--	6.1	--	--	--
	Median	--	--	--	--	6.1	--	--	--
	Average	--	--	--	--	6.1	--	--	--
	Number of Samples	58	58	56	57	57	56	58	59
	Number of Non-detects	58	58	56	57	56	56	58	59
Carbon Tetrachloride (µg/L)	Max	1.1	0.9	13	--	--	1.9	1.3	4.7
	Min	0.6	0.5	6.9	--	--	0.51	0.75	1.8
	Median	0.78	0.55	9.2	--	--	1.3	0.98	3.3
	Average	0.78	0.57	9.38	--	--	1.19	0.99	3.36
	Number of Samples	58	57	56	57	56	56	58	59
	Number of Non-detects	2	16	0	57	56	11	2	1
Chromium VI (µg/L)	Max	4.7	42	94	4.4	0.24	1.7	57	16
	Min	4.2	5.4	43	1.4	0.065	0.28	23	1.5
	Median	4.5	7.85	76.5	3.6	0.12	0.805	38	1.7
	Average	4.50	9.32	70.6	3.59	0.14	0.92	38.8	1.93
	Number of Samples	58	58	56	57	56	56	58	59
	Number of Non-detects	0	0	0	1	30	0	1	0
cis-1,2-Dichloroethene (cis-1,2-DCE) (µg/L)	Max	--	2.7	5.8	0.6	22	17	--	--
	Min	--	0.6	2.3	0.58	8.8	9	--	--
	Median	--	0.895	3.6	0.59	13	13	--	--
	Average	--	0.93	3.62	0.59	13.1	12.6	--	--
	Number of Samples	58	58	56	57	57	55	58	59

	Number of Non-detects	58	0	0	55	1	0	58	59
Perchloroethylene (PCE) (µg/L)	Max	232	270	20	65	110	4.8	18	2.5
	Min	110	75	7.3	27	4.5	2.8	10	1
	Median	179	155	15	44	6.2	3.6	13	1.3
	Average	179	157	14.3	44.1	8.54	3.66	12.8	1.37
	Number of Samples	58	58	56	57	57	56	58	59
	Number of Non-detects	0	0	0	0	1	0	1	0
Total Chromium (µg/L)	Max	7.7	36	88	5.7	3.5	5.9	55	5.7
	Min	2.8	4.6	42	2.1	1.1	1	22	1.1
	Median	4.7	7.7	73.5	3.8	1.55	1.7	37	2.1
	Average	4.83	9.37	68.2	3.9	1.79	1.78	38.0	2.31
	Number of Samples	58	58	56	57	56	56	58	59
	Number of Non-detects	0	1	0	0	40	14	0	2
trans-1,2-Dichloroethene (trans-1,2-DCE) (µg/L)	Max	--	--	--	--	13	5.3	--	--
	Min	--	--	--	--	1	2.8	--	--
	Median	--	--	--	--	1.5	4.1	--	--
	Average	--	--	--	--	1.72	4.14	--	--
	Number of Samples	58	58	56	57	57	56	58	59
	Number of Non-detects	58	58	56	57	1	1	58	59
Trichloroethylene (TCE) (µg/L)	Max	200	170	680	82	146	169	34	1.74
	Min	110	1.6	364	43	80.6	1.4	9.7	0.57
	Median	140	119	490	59	98	101	18	0.90
	Average	146	117	493	59.2	101	105	18.1	0.99
	Number of Samples	58	58	56	57	56	56	58	59
	Number of Non-detects	0	0	0	0	1	0	1	0
Xylenes (µg/L)	Max	--	--	--	--	--	--	--	--
	Min	--	--	--	--	--	--	--	--
	Median	--	--	--	--	--	--	--	--
	Average	--	--	--	--	--	--	--	--
	Number of Samples	58	58	56	57	57	56	58	59
	Number of Non-detects	58	58	56	57	57	56	58	59

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**Appendix H: SFV Area 2 Emerging
Contaminants plume maps and
well data**

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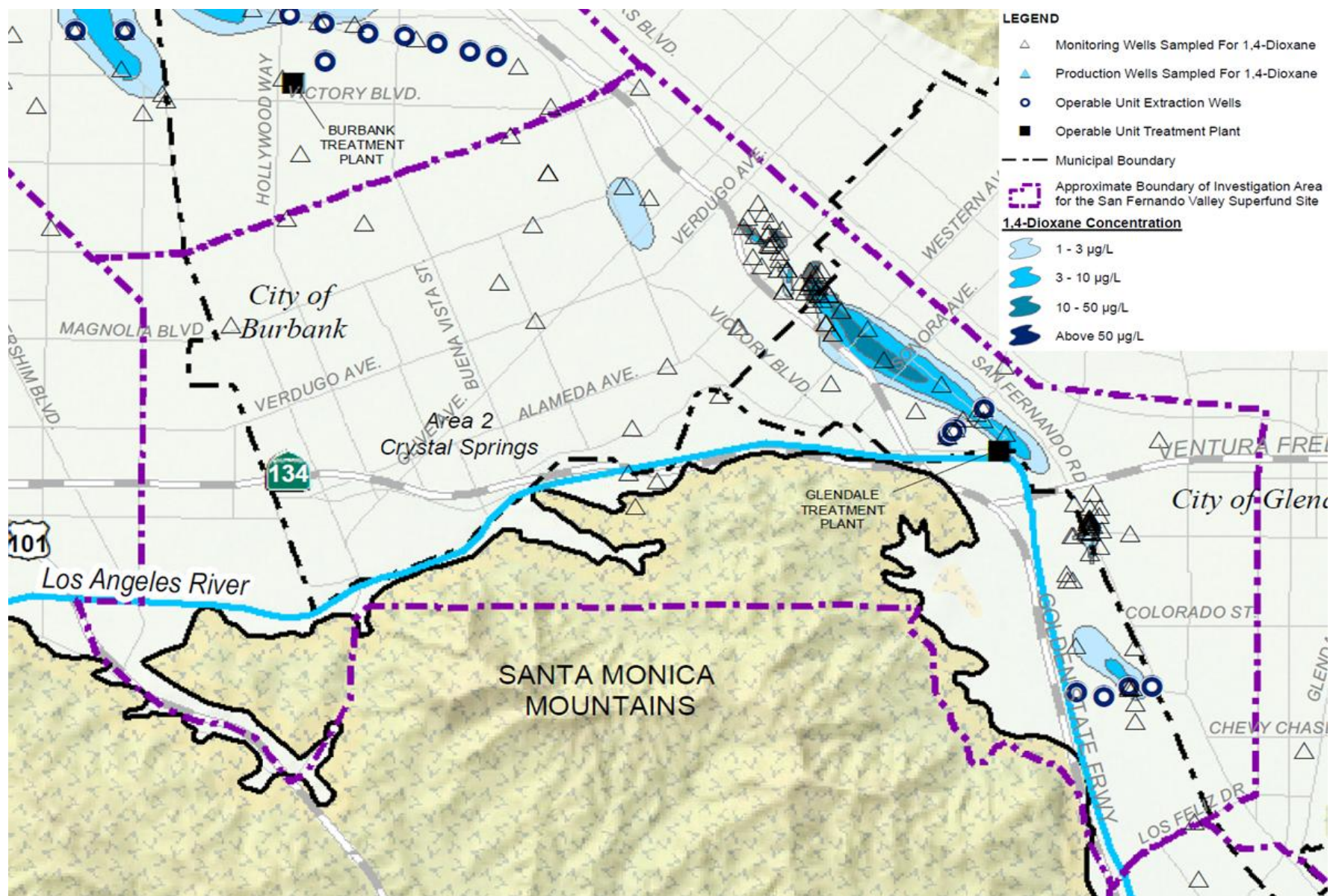


Figure 1. 1,4-Dioxane in the Shallow Zone (Most Recent Concentration January 2006-2011)

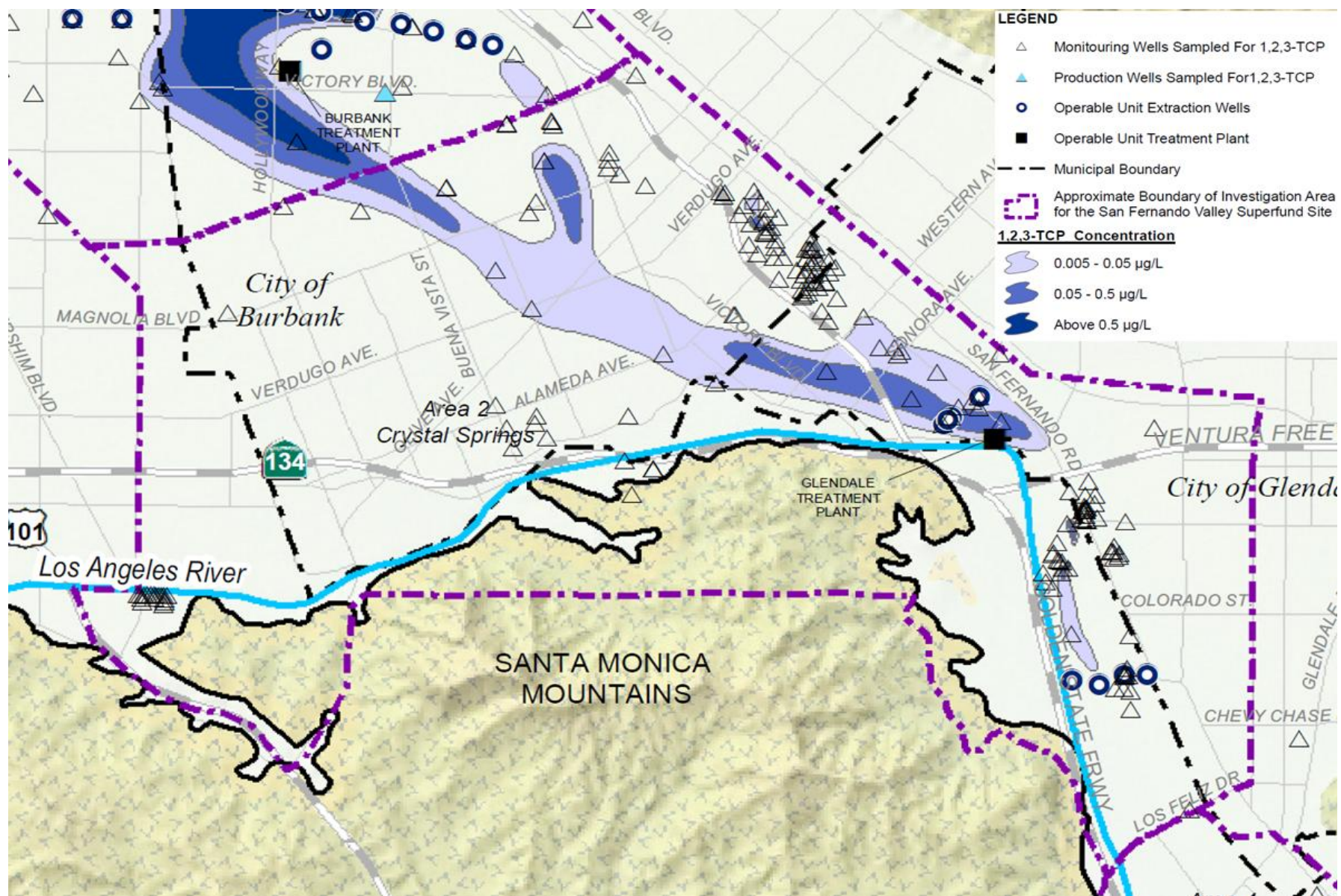


Figure 2. 1,2,3-TCP in the Shallow Zone (Most Recent Concentration January 2006-2011)

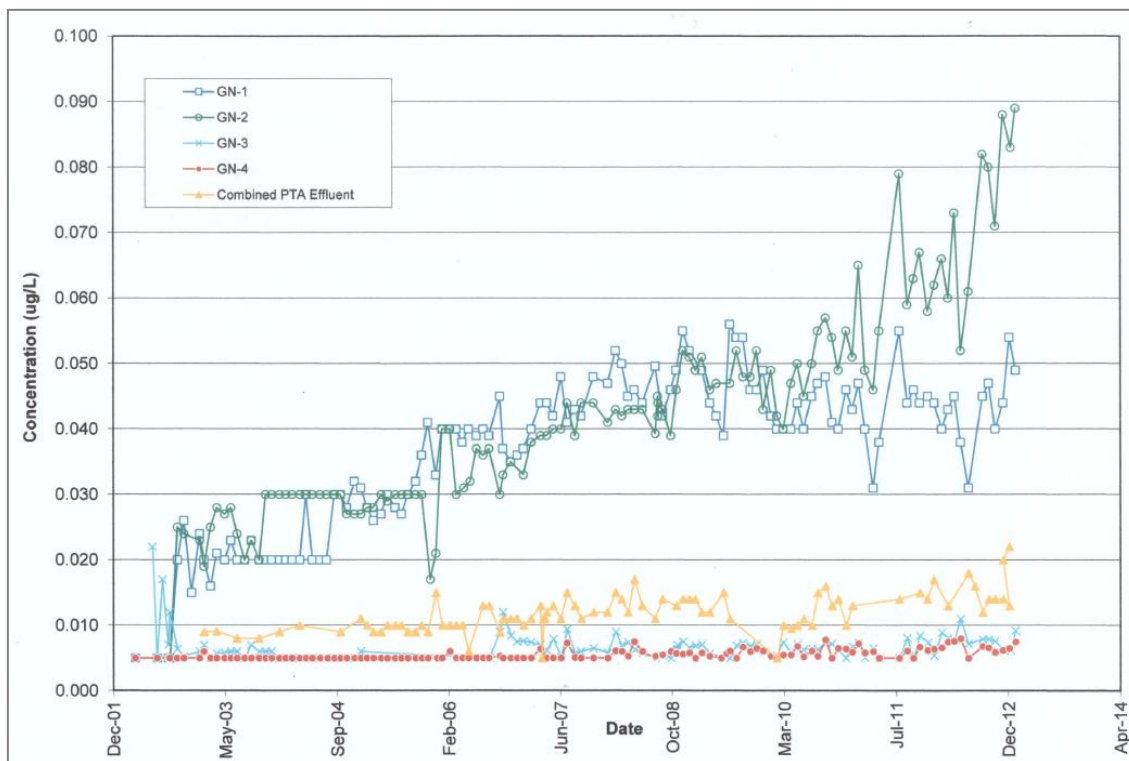


Figure 3. 1,2,3-TCP in the North Extraction Wells

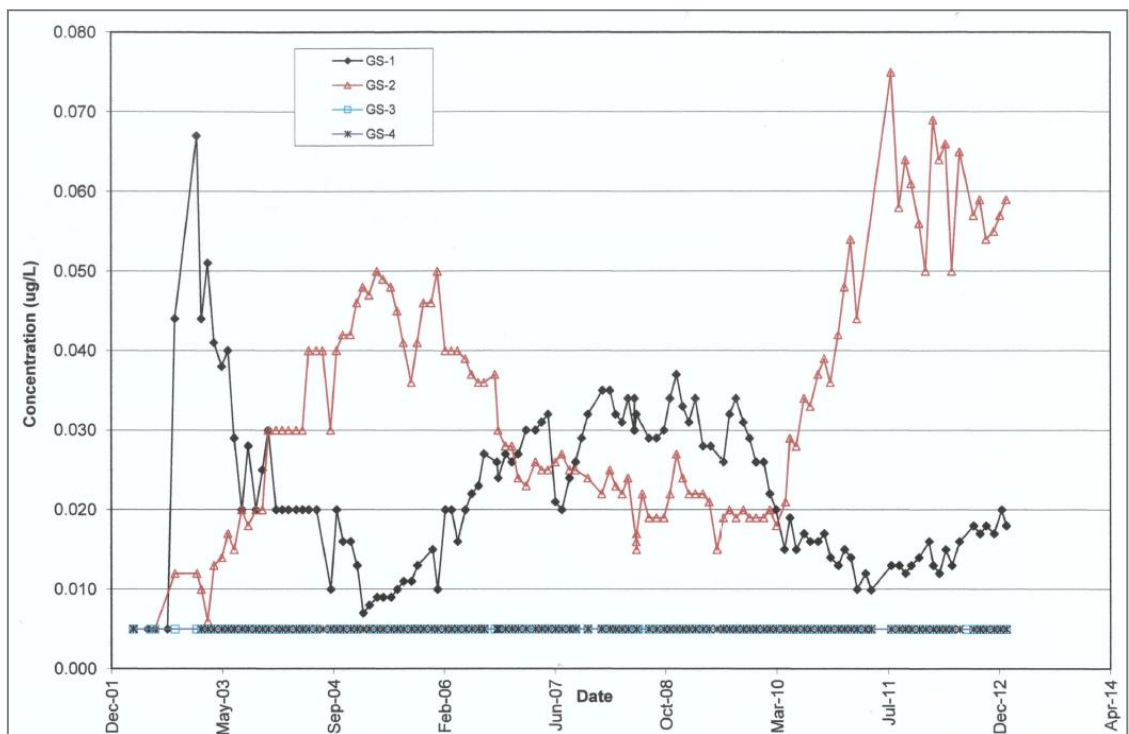


Figure 4. 1,2,3-TCP in the South Extraction Wells

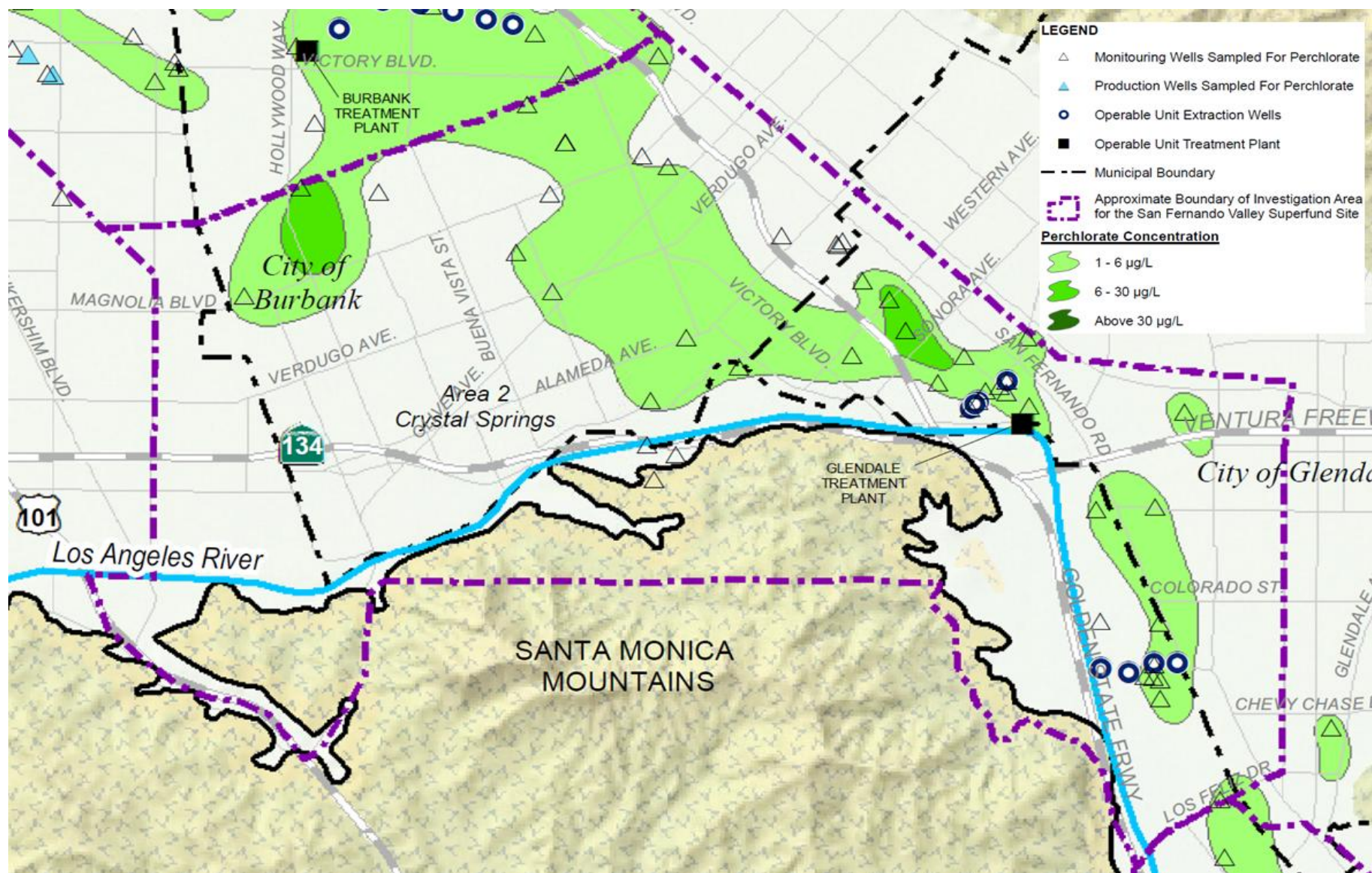


Figure 5. Perchlorate in the Shallow Zone (Most Recent Concentration January 2006-2011)

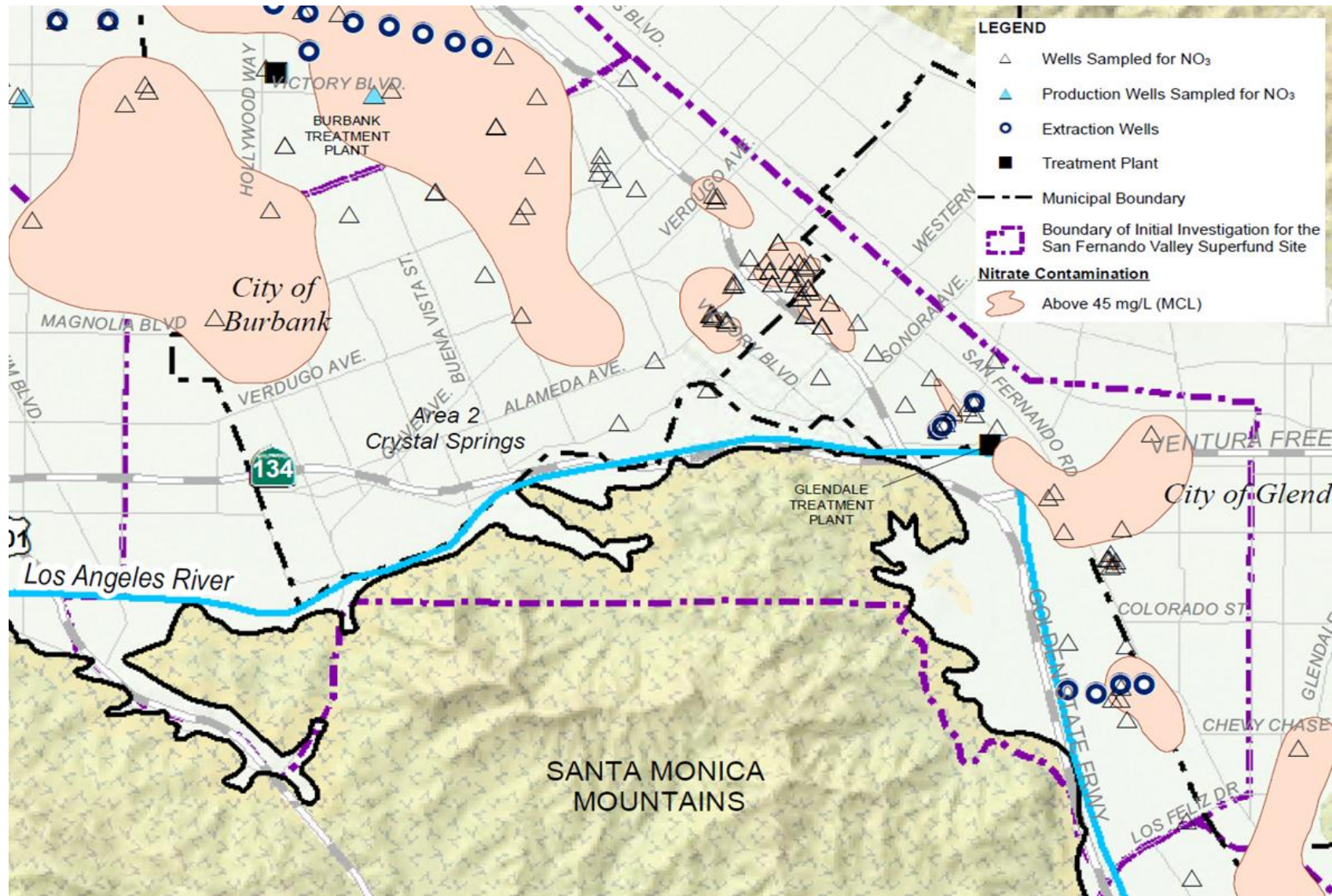


Figure 6. Nitrate in the Shallow Zone (Most Recent Concentration January 2006-2011)

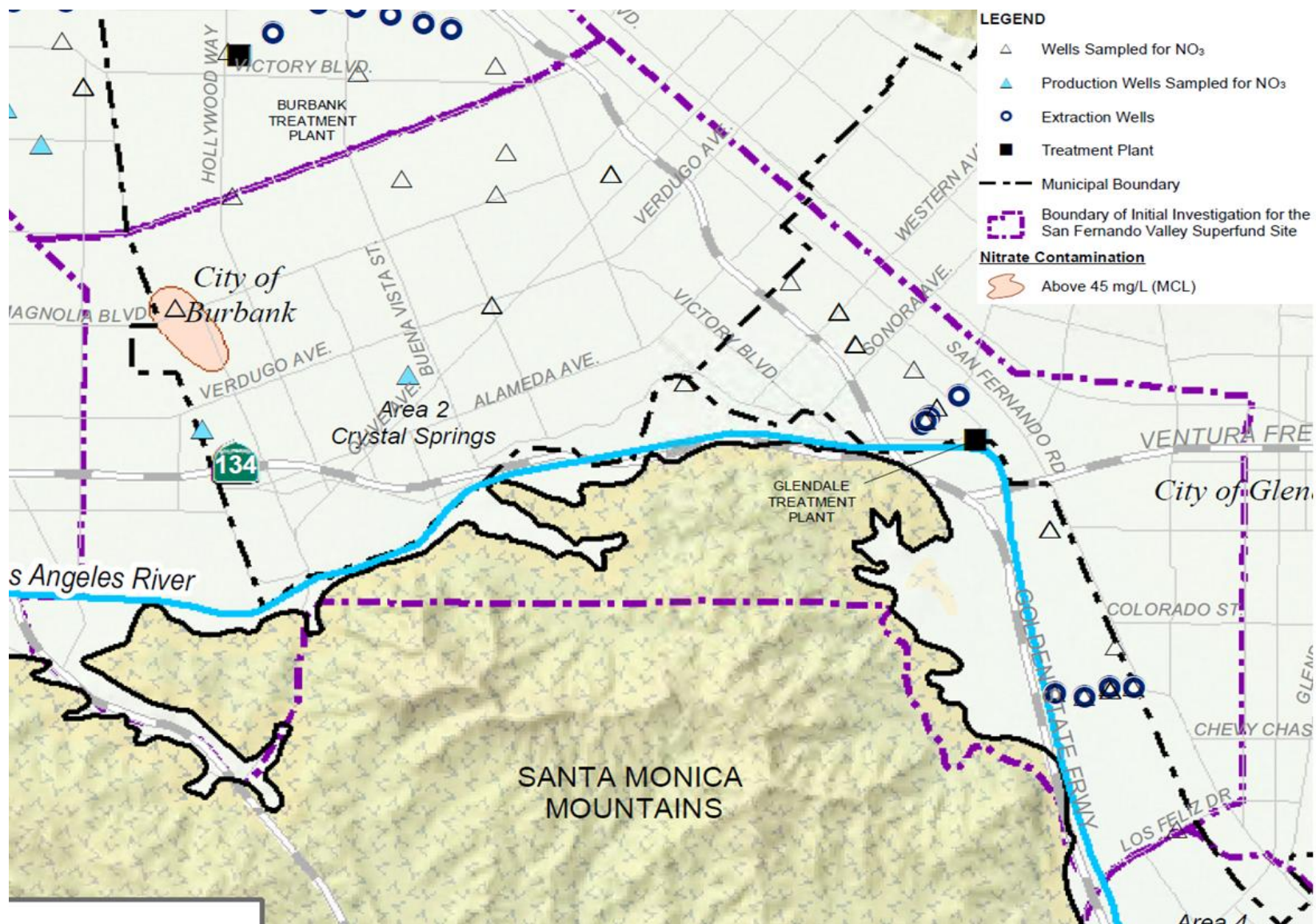


Figure 7. Nitrate in the Deeper Zone (Most Recent Concentration January 2006-2011)

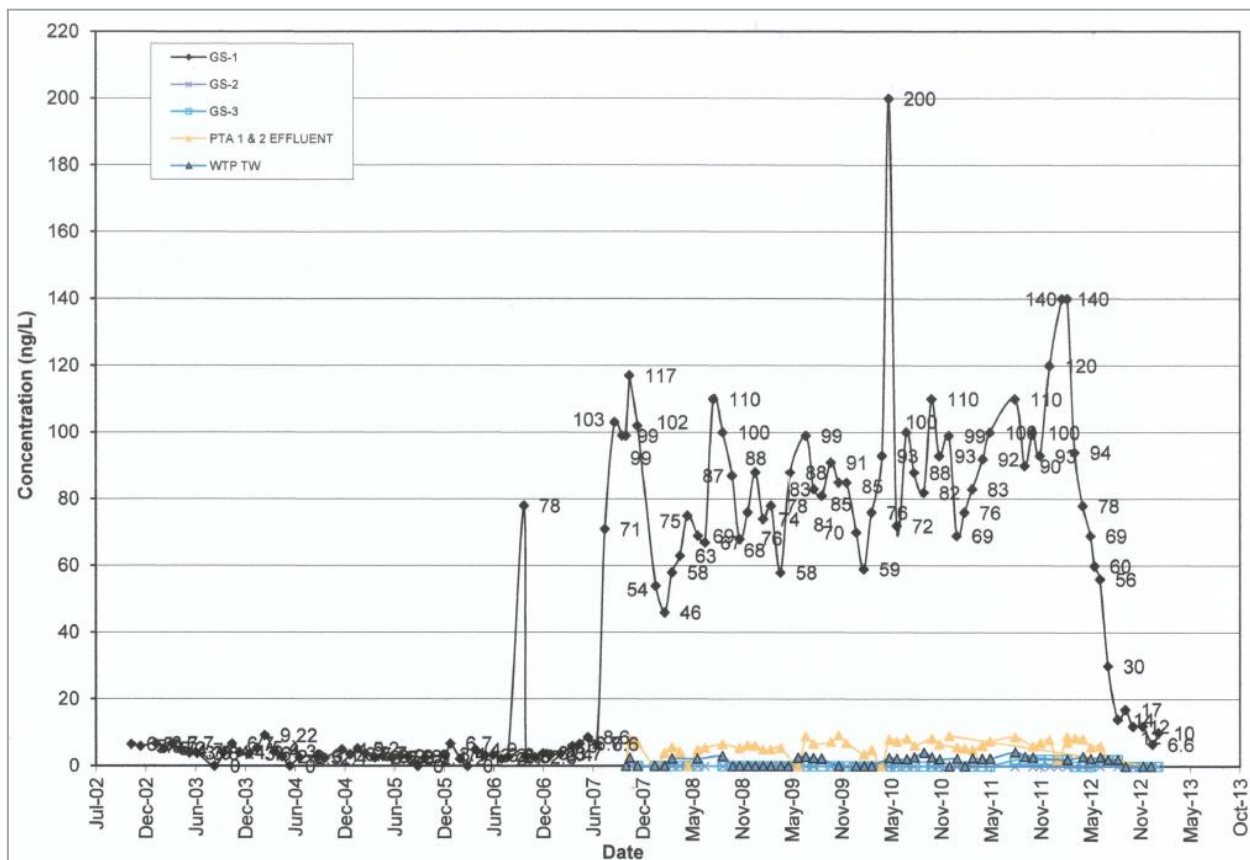


Figure 8. NDMA in Extraction Well GS-1

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Appendix I: SFV GOU Treatment System and Extract Well Pumping Data

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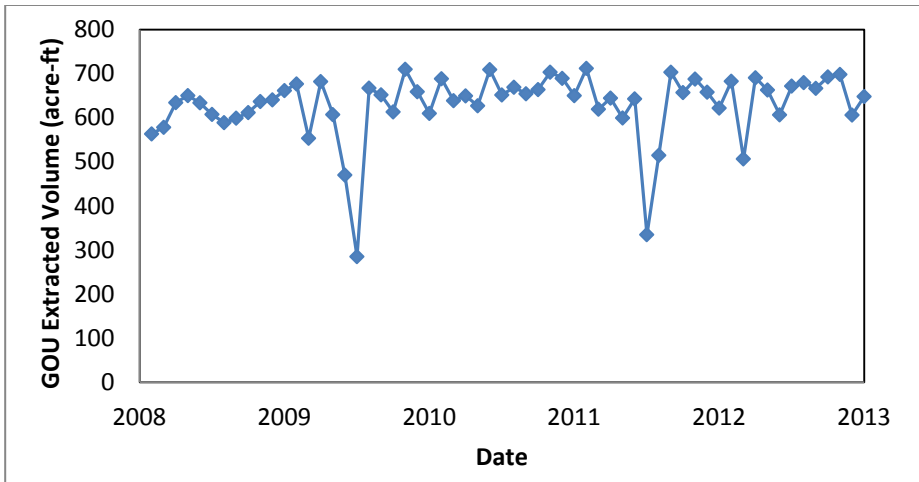


Figure 9. Monthly Extracted and Treated Volume for GWTP from 2008 – 2011

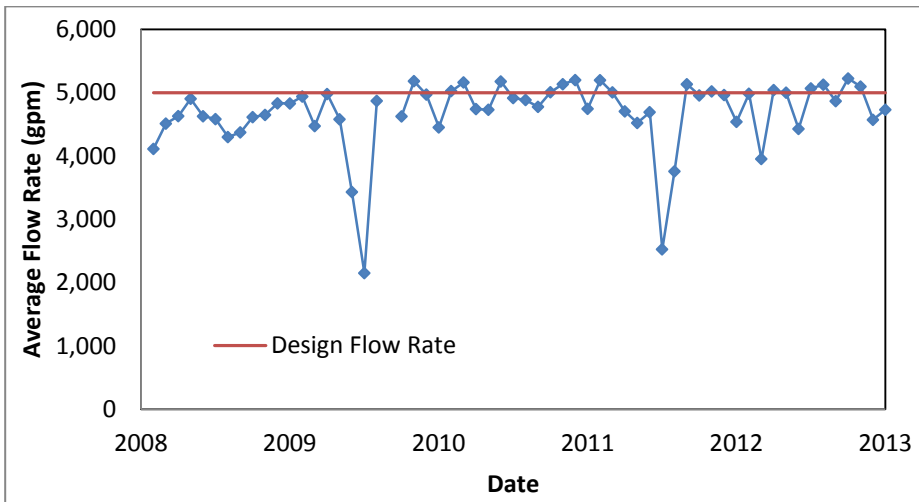


Figure 10. Monthly Average Flow Rate for GWTP from 2008 – 2011

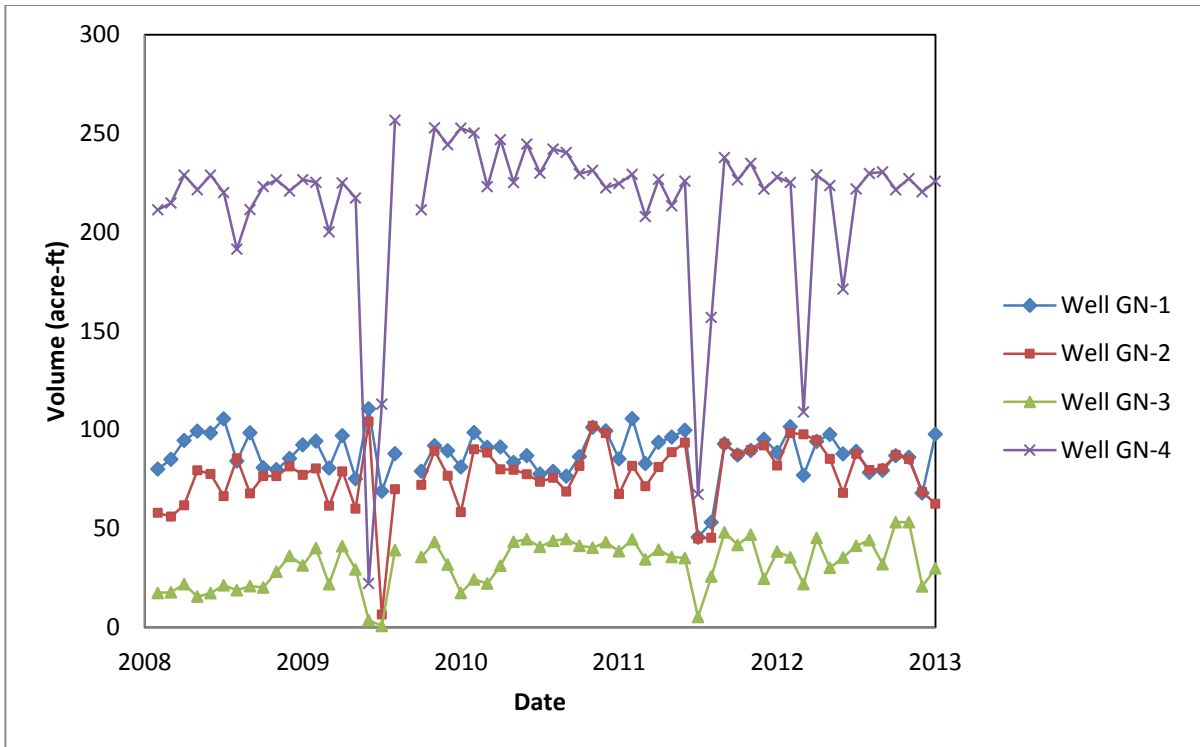


Figure 11. Monthly Extracted Volumes for GNOU Extraction Wells from 2008 – 2011

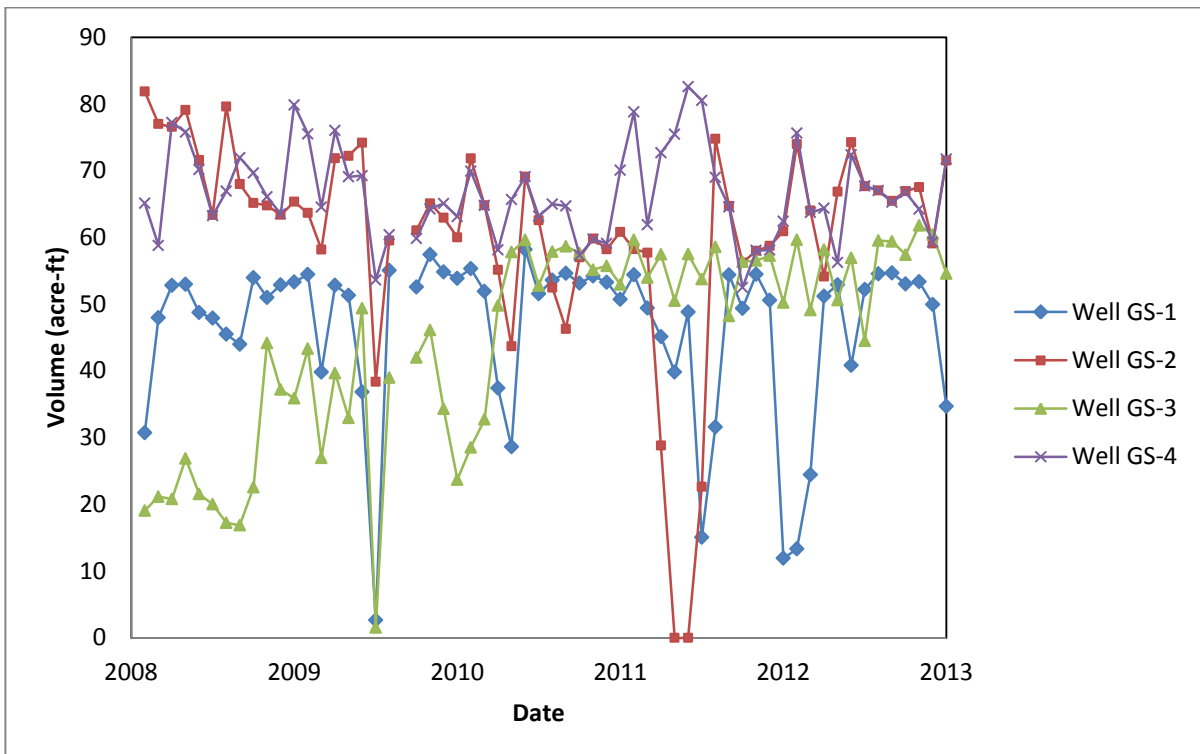


Figure 12. Monthly Extracted Volumes for GSOU Extraction Wells from 2008 – 2011

Prepared for:

Northridge Properties, LLC

15505 Roscoe Boulevard
North Hills, California 91343

SOIL ASSESSMENT REPORT ADDITIONAL BORING SS-4A

**777 NORTH FRONT STREET
BURBANK, CALIFORNIA**

Prepared by:

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Project Number HR1305

July 22, 2016

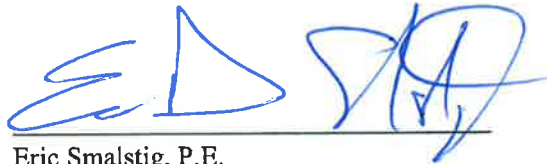
SOIL ASSESSMENT REPORT

777 North Front Street

Burbank, California

July 2016

Supervision of fieldwork activities related to implementing the approved work plan was performed by the staff of Geosyntec Consultants, Inc., (Geosyntec) under the direction of the licensed professional with sufficient hydrogeologic experience whose signature appears hereon. The Soil Assessment Report (the "Report") was prepared under the supervision of the same. Consistent with applicable professional standards of care, our opinions and recommendations are based, in part, on data furnished by others as noted in this Report where applicable. Geosyntec is not able to independently verify data provided by others. Geosyntec services were performed, and this Report has been prepared, in accordance with generally accepted professional standards of care applicable to the scope of services authorized by Northridge Properties, LLC, consistent with direction from the Los Angeles Regional Water Quality Control Board, and no other warranty is provided in connection therewith.



Eric Smalstig, P.E.

Senior Principal, Geosyntec Consultants, Inc.

License No. C56128

I, Herbert F. Boeckmann, II, do hereby declare under penalty of perjury under the laws of the State of California that I am a Member of Northridge Properties, LLC, a California limited liability company (the "Company"); that I am authorized to attest to the veracity of the information contained in the report described herein; that the information contained in Geosyntec Consultants, Inc.'s "Soil Assessment Report, Additional Boring SS-4A, 777 North Front Street, Burbank, California," dated July 8, 2016 (the "Report"), is true and correct; that I have no personal knowledge or expertise with respect to the findings and information contained in the Report and I am relying on the professionals who prepared it; that the issuance of the Report and this Declaration is not an admission that the Company was or is a discharger within the meaning of Water Code Section 13267, which the Company expressly denies; and that this Declaration was executed at North Hills, California, on July 22, 2016.



Herbert F. Boeckmann, II, Member
Northridge Properties, LLC

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Figure 3: Soil Sample Cr⁶⁺ Analytical Results

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APPENDICES

Appendix A: Approved Work Plan

Appendix B: Laboratory Analytical Report

Appendix C: Boring Log

Appendix D: Photographic Log

1. INTRODUCTION

1.1 Project Overview

This Soil Assessment Report (Report) contains a summary of the soil sampling activities performed in June 2016 at the former industrial site located at 777 North Front Street, in Burbank, California (the Site), and an assessment of the analytical results. The Report was prepared by Brian Penserini of Geosyntec Consultants, Inc. (Geosyntec), and was reviewed by Matt Thomas, Ph.D., and Eric Smalstig, P.E., also of Geosyntec, in accordance with the peer review policy of the firm. Geosyntec has prepared this Report on behalf of its client Northridge Properties, LLC, for submission to the Los Angeles Regional Water Quality Control Board (LARWQCB) per the requirements of the approved Work Plan (Appendix A) [Geosyntec, 2015] that was prepared in response to the June 3, 2015 Order No. R4-2015-0065 [LARWQCB, 2015a]. The Work Plan was approved, with conditions, in a letter from the LARWQCB dated March 18, 2016 [LARWQCB, 2016].

Based on the results and conclusions of this Report presented in Sections 4 and 5: (1) that hexavalent chromium (Cr^{6+}) was not detected in the deepest soil horizon (i.e., 40 feet below ground surface (ft bgs); (2) that the vertical distribution of detections of Cr^{6+} encountered during this and previous Site investigations continue to be inconsistent with a historical Site release of Cr^{6+} at concentrations that could have impacted groundwater in the past; and (3) that Cr^{6+} concentrations in Site soils do not pose a threat to groundwater at the Site in the future, Geosyntec concludes that no further Cr^{6+} -specific investigations are warranted.

1.2 Report Organization

The remainder of this Report is organized into the following sections:

- Section 2, *Background*;
- Section 3, *Soil Sampling*;
- Section 4, *Results*; and
- Section 5, *Conclusions*.

References, a table, figures, and appendices are included at the end of the text.

2. BACKGROUND

2.1 Property Description

The Site located at 777 North Front Street (LARWQCB File No. 109.6162) consists of an approximately 8-acre lot in the City of Burbank, approximately 13 miles north-northwest of downtown Los Angeles (Figure 1). It is bordered by Interstate 5, Burbank Boulevard, and Front Street. From 1920 to 1961, the Site was occupied by General Water Heater Company, and then was purchased by Zero Corporation (Zero) for use by a division of the company called Zero Enclosures, whose primary business was fabrication of metal enclosures. In addition to Zero Enclosures' operations, from 1964 to 1973, a part of the Site was leased to Ocean Technology Inc., a subsidiary of Zero, which used the space to manufacture and assemble electronic products.

Zero's manufacturing operations were discontinued in December 1991. From then until 2002, the Site was used for storage (a 1995 city directory shows the occupant as Western Moving & Storage, Inc.) and later as temporary filming locations for the entertainment industry [Mactech 2005, p. 14; Law/Crandall 1997, p. 1]. The Site was sold to the Ford Leasing Development Company in 1998. Since 2002, the Site has been unoccupied, with on-site buildings having been demolished in 2004, leaving concrete pads and foundations currently remaining on the Site. The Site was periodically used for traveling circus operations (e.g., most recently Circus Vargas in 2016).

Recent activities associated with California Department of Transportation (Caltrans') widening of I-5 adjacent to the Site have resulted in some alterations to Site features, including in the area around the former clarifier near the SS-4 and SS-4A sampling locations (Figure 2). The activities were primarily related to stockpile soil storage and miscellaneous materials storage (e.g., large steel I-beams).

2.2 Regional Cr6+ Contamination and Recent Regulatory Context

This section summarizes the environmental context of the Site, both in terms of regional contamination, as well as regulatory actions. Previous Site reports provide additional details related to these topics. The Site is located within the San Fernando Valley Groundwater Basin (SFVGB). In 1980, the California Department of Health Services (DHS) requested that all major groundwater users conduct tests for the presence of certain industrial chemicals in the water they were serving. The results of testing indicated elevated concentrations of a number of volatile organic compounds (VOCs) in groundwater under large portions of the San Fernando Valley, which led to the designation of four separate areas that together comprise the San Fernando Valley Superfund Sites.

In 1998, during the United States Environmental Protection Agency (USEPA) Superfund investigation, information provided to LARWQCB from the Upper Los Angeles River Area Watermaster (ULARA) indicated that some of the groundwater supply wells in the SFVGB had been contaminated by hexavalent chromium (Cr^{6+}) [LARWQCB, 2011b]. Subsequently, the LARWQCB re-evaluated Chemical Use Questionnaires (CUQs) provided by each facility during the Superfund investigation and identified 112 sites, presumably the most suspect sites, and required that they conduct further investigations to determine whether Cr^{6+} concentrations in the soil at these sites indicated past release that may have contributed to the regional Cr^{6+} contamination or that might pose a threat to public drinking water supply wells in the future. It is significant to note that the subject Site was not among the 112 sites identified by the LARWQCB at that time.

The former responsible party for the Site had been issued a Certificate of Completion by Cal/EPA in 2002. The Site remained closed until it was reopened by the LARWQCB Order titled “*Requirement to Provide Technical Report – Work Plan*” [LARWQCB, 2011b]. The primary reasons for issuance of the Order given in the accompanying letter [LARWQCB, 2011a] were: (1) the records of historical use of Cr^{6+} at the facility; and (2) the results of a Caltrans soil investigation that indicated there exist a limited number of detections of Cr^{6+} at the Site [Ninyo & Moore, 2009] at concentrations that, according to the LARWQCB, are in exceedance of normal background concentrations of Cr^{6+} in the San Fernando Valley [LARWQCB, 2011a]. A detailed summary of the results of the Caltrans report were provided in the original approved investigation Work Plan for Cr^{6+} sampling at the Site.

The aforementioned Order was issued by LARWQCB to Northridge Properties, LLC, on May 10, 2011. Northridge Properties, LLC, worked with LARWQCB to target locations at the Site where impacts, if any, would be anticipated should any unauthorized releases of Cr^{6+} have occurred in the past. The five former clarifier locations shown on Figure 2 were selected. On behalf of Northridge Properties, LLC, Geosyntec submitted the Soil Assessment Work Plan – Hexavalent Chromium [Geosyntec, 2011], which was approved by the LARWQCB in a letter dated December 20, 2011. Work was completed in June 2012. After the LARWQCB review of the Site Assessment Report [Geosyntec, 2012] and the coordinated discussions between Northridge Properties and the LARWQCB that followed, the LARWQCB issued the June 3, 2015 Order No. R4-2015-0065 requiring additional soil assessment at the Site. A Work Plan was prepared responding to the order which was subsequently approved, with conditions, in a letter from the LARWQCB dated March 18, 2016 [LARWQCB, 2016]. Sampling activities in the approved Work Plan were implemented on June 2, 2016, and Geosyntec has prepared this Report to present and provide an assessment of the analytical results obtained.

3. SOIL SAMPLING

3.1 General

The Soil Assessment activities described in this Report were conducted in accordance with the Site-specific Health and Safety Plan (HASP) and the approved Work Plan (Appendix A) prepared in accordance with the LARWQCB request. To supplement the previous assessments of the Site, specifically with respect to vertical delineation of hexavalent chromium (Cr^{6+}) in the vicinity of one of the former clarifiers, and in accordance with the approved Work Plan, an additional soil boring (SS-4A) was drilled to a depth of 40 ft bgs and soil samples were collected at various depths. The location of SS-4A is shown on Figure 2, along with the locations where Geosyntec collected previous soil samples in June 2012.

SS-4A was drilled to a depth of 40 ft bgs and soil samples were collected at 10, 20, 25, 30, 35, and 40 ft bgs. Duplicate samples were collected at 10 ft and 20 ft bgs. The shallowest two depths were also intended to compare and/or confirm the results from the previous soil testing at SS-4, and the subsequent samples were collected at 5-foot intervals to the termination depth of the boring. The results from this sampling event are documented and summarized in this Report, along with Geosyntec's previous assessment results.

3.2 Field Work Preparation

The location of SS-4A was selected pursuant to conversations with the LARWQCB related to the detection of Cr^{6+} at a concentration above the laboratory reporting limit in sample SS-4 (at 20 ft bgs). SS-4 was located in an area originally identified as a potential area of concern based on discussions with LARWQCB and review of facility maps, which indicated the former presence of a clarifier (now closed and filled with concrete). LARWQCB agreed that for this supplemental investigation, one additional boring would be drilled adjacent to the former clarifier and in the vicinity of the previous location SS-4 (June 2012); LARWQCB representatives also attended a field walk with Geosyntec to confirm the location of SS-4A.

Underground Service Alert (USA) was notified more than 48 hours prior to beginning drilling activities to identify underground utilities in the vicinity of the proposed borehole location and to reduce the potential for accidentally encountering buried utility lines (USA ticket number A61341104). Once utilities were cleared, drilling of the borehole was scheduled. Geosyntec also contracted with Goldak Geophysics to conduct a subsurface geophysical survey to identify locations of potential underground utilities. Goldak identified a subsurface anomaly in the approximate location of the former clarifier

and marked the outline of the anomaly with high-visibility paint. SS-4A was then positioned approximately 5 ft north of the anomaly.

3.3 Soil Sampling

On June 2, 2016, under the direction of Geosyntec, Gregg Drilling advanced a single boring (labeled SS-4A; Figure 2) using a hollow-stem auger rig to a depth of approximately 40 ft bgs and several depth discrete soil cores were collected using a 18-inch split-spoon sampler. Borings were visually logged for geologic lithology in accordance with the Unified Soil Classification System (USCS). The first 5 ft of the boring was completed by hand auger to reduce the potential for impairing unidentified underground utilities or pipes. Soil samples were collected from the cores at 10, 20, 25, 30, 35, and 40 ft bgs in accordance with the approved Work Plan (Appendix A) using disposable sampling equipment in order to avoid cross contamination of samples. A photographic log showing the Site soil assessment field procedures is provided in Appendix D. A total of six primary soil samples and two duplicate soil samples (labeled SS-4A-10DUP and SS-4A-20DUP) were collected in this manner.

The soil samples were collected in 4-oz. glass jars sealed with Teflon®-lined plastic caps for Cr⁶⁺ analysis (EPA Method 7199). Individual soil samples were labeled with unique identifiers, logged on laboratory chain of custody forms, placed in an ice-filled cooler, and transported to Eurofins-Calscience Environmental Laboratories, Inc. (Eurofins-Calscience), a local National Environmental Laboratory Accreditation Program (NELAP) accredited laboratory. The boring was backfilled with bentonite from the borehole terminus to ground surface. Remaining soil cores were stored in a 55-gallon DOT-approved drum during drilling and sampling activities and were removed from the Site. Upon receipt of laboratory results and waste profiling, the remaining soil cores were properly disposed of by the driller as non-hazardous waste.

The non-dedicated soil sampling equipment (e.g., coring bits and hand augers) was washed prior to each sample collection by the “three-bucket-wash” method; sampling equipment was first washed in a solution of Alconox and potable water, then rinsed with potable water, and finally rinsed with distilled water and allowed to air-dry.

3.4 Laboratory Analysis

Samples were transported with proper chain of custody forms to Eurofins-Calscience, located at 7440 Lincoln Way, in Garden Grove, California, and were analyzed for Cr⁶⁺ using EPA Method 7199. The laboratory analytical results for the soil samples are discussed in Section 4. The laboratory analytical report is provided in Appendix B.

4. RESULTS

4.1 Introduction

The laboratory analytical results for the soil samples arranged by boring location and depth for both the samples collected in June 2012 and in June 2016 are summarized in Table 1. In order to have a basis of comparison, Table 1 also includes the USEPA Region 9 Soil Screening Levels for Cr^{6+} in Soil (SSLs) for both residential and commercial/industrial land use [USEPA, 2016, and subsequent revisions to tables]. Soil lithology and analytical results are described in the following sections, and the laboratory analytical report is included in Appendix B.

4.2 Soil Lithology

The soil boring (SS-4A) advanced at the Site was logged for soil lithology in accordance with the Unified Soil Classification System (USCS) and screened visually for evidence of contamination. No visually evidence of metals staining was observed in the primarily sandy alluvial soils to 40 ft bgs. The boring log showing the soil lithology at the boring location is provided in Appendix C. Soil lithology was consistent with previous borings described in the 2012 Site assessment report [Geosyntec, 2012].

4.3 Soil Sample Cr^{6+} Analytical Results

A total of six primary and two duplicate soil samples were collected from SS-4A and were analyzed for Cr^{6+} using EPA Method 7199. Table 1 summarizes the analytical results and provides commercial/industrial SSLs (i.e., chemical-specific soil health screening levels for commercial/industrial land use) for comparison. A plan view of boring locations from June 2012 and June 2016 is provided in Figure 3 that includes tables with soil sample depths and concentrations of Cr^{6+} . Per the request of the LARWQCB in the conditional approval letter [LARWQCB, 2016], the vertical distribution of Cr^{6+} results is also shown on Figure 4 along with a general lithologic profile.

Cr^{6+} , which was the primary constituent of concern for this Site soil assessment, was detected in only one of the six primary soil samples collected. This detection was in a sample collected at a depth of 35 ft bgs in boring SS-4A. The measured concentration was less than 10 times below the industrial USEPA SSL, (see Table 1) and was 0.09 mg/kg greater than the laboratory method quantitative reporting limit of 0.4 mg/kg, slightly above the residential SSL at 35 ft bgs (where no exposure would occur). Moreover, Cr^{6+} was not detected in the sample collected at a depth of 40 ft bgs in boring SS-4A.

5. CONCLUSIONS

5.1 Summary

Based on the soil sampling data collected as part of this Soil Assessment as presented in the preceding section of this Report (see Table 1 and Figure 3) and the analyses presented in the following sections, several conclusions related to chemical impacts at the Site can be drawn:

- The single low-level detection of Cr^{6+} in the soil samples collected from the SS-4A location where impacts, if any, would be anticipated (i.e., near the former clarifier location detected at a concentration significantly less than 10 times below the USEPA SSL) confirm the previous report [Geosyntec, 2012] finding that the limited number and low concentrations of Cr^{6+} detections at the Site are not significant; and
- The single detection of Cr^{6+} in SS-4A at 35 ft bgs, with no detection at 40 ft bgs, is inconsistent with historical releases of Cr^{6+} at concentrations that could have impacted groundwater and do not provide evidence to suggest that historical Site activities contributed to the San Fernando Valley Groundwater Basin (SFVGB) Cr^{6+} contamination that is currently under investigation by LARWQCB and USEPA.

The conclusions summarized above in bulleted format are described in more detail in the following sections.

5.2 Hexavalent Chromium

Hexavalent chromium, the chief focus of the LARWQCB Orders [LARWQCB, 2011b and 2015a] and of this Soil Assessment, was detected in one of the six primary soil samples collected (one of eight samples, if the duplicates are counted) from the sample location SS-4A that was specifically selected for this field program and approved by LARWQCB. Furthermore, the detection of Cr^{6+} was at a low concentration (below the industrial SSL as shown in Table 1). When combined with the previous results in 2012, these results provide further indication that the limited Cr^{6+} detections at the Site are not significant.

In terms of vertical distribution, the one detection at 35 ft bgs was at a low concentration, just 0.09 mg/kg above the detection limit. These results are inconsistent with historical releases of Cr^{6+} at concentrations that could have impacted groundwater and do not provide evidence to suggest that historical Site activities contributed to the San Fernando

Valley Groundwater Basin (SFVGB) Cr^{6+} contamination that is currently under investigation by LARWQCB and USEPA. In addition, because Cr^{6+} was not detected in the sample collected at the base of the soil boring (40 ft bgs), the vertical distribution of Cr^{6+} detections in boring SS-4A, as well as the previous soil sampling results, makes it unlikely that the groundwater table would come into contact with these soils. Furthermore, the low concentrations of Cr^{6+} are orders of magnitude below the Total Threshold Limit Concentration (TTLC = 500 mg/kg) and the more conservative value of 10 times the Soluble Threshold Limit Concentration (STLC; i.e., the comparable threshold value for STLC leachability testing = 50 mg/kg) which is an indication of a contaminant's potential to impact (i.e., leach into and/or migrate downward to) groundwater. These results demonstrate that Cr^{6+} concentrations in Site soils do not pose a threat to groundwater at the Site in the future. Finally, the LARWQCB committed to add Cr^{6+} to the Certificate of Completion for the Site and to reissue it if the additional boring documented in this Report yields a non-detect finding at depth for Cr^{6+} , which it has yielded [LARWQCB, 2015b].

5.3 Conclusion

Given the conclusions of this and the previous Soil Assessment and their consistency with past soil sampling findings provided by previous technical investigations, Geosyntec concludes that no further hexavalent chromium-specific investigations are warranted.

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TABLE

Table 1
Soil Sample Cr⁶⁺ Analytical Results
Soil Assessment
777 North Front Street
Burbank, California

Sample Location ID	Depth of Sample (feet bgs)	June 2012 Cr ⁶⁺ Results (mg/kg)	June 2016 Cr ⁶⁺ Results (mg/kg)
EPA Region 9 Residential RSL*		0.30	0.30
EPA Region 9 Commercial/Industrial RSL*		6.3	6.3
SS-1	5	ND<0.40	-
	10	ND<0.40	-
	15	ND<0.40	-
	20	ND<0.40	-
SS-2	5	1.10	-
	10	0.96	-
	15	ND<0.40	-
	20	ND<0.40	-
SS-3	5	ND<0.40	-
	10 ⁽¹⁾	ND<0.40/ND<0.40	-
	15	ND<0.40	-
	20	ND<0.40	-
SS-4 / SS-4A	5	ND<0.40	-
	10 ⁽¹⁾	ND<0.40	ND<0.40/ND<0.40
	15	ND<0.40	-
	20 ⁽¹⁾	0.41	ND<0.40/ND<0.40
	25	-	ND<0.40
	30	-	ND<0.40
	35	-	0.49
	40	-	ND<0.40
SS-5	5	1.30	-
	10	ND<0.40	-
	15	ND<0.40	-
	20 ⁽¹⁾	ND<0.40/ND<0.40	-

bgs = below ground surface

Cr⁶⁺ = Hexavalent chromium

* = May 2016 screening values for soil; for comparison, California Human Health Screening Levels (CHHSLs), used less frequently since the RSLs were issued, are 17 mg/kg (residential) and 37 mg/kg (industrial)

ND<0.40 = Not detected above laboratory Detection Limits (i.e., 0.20 mg/kg); quantitative

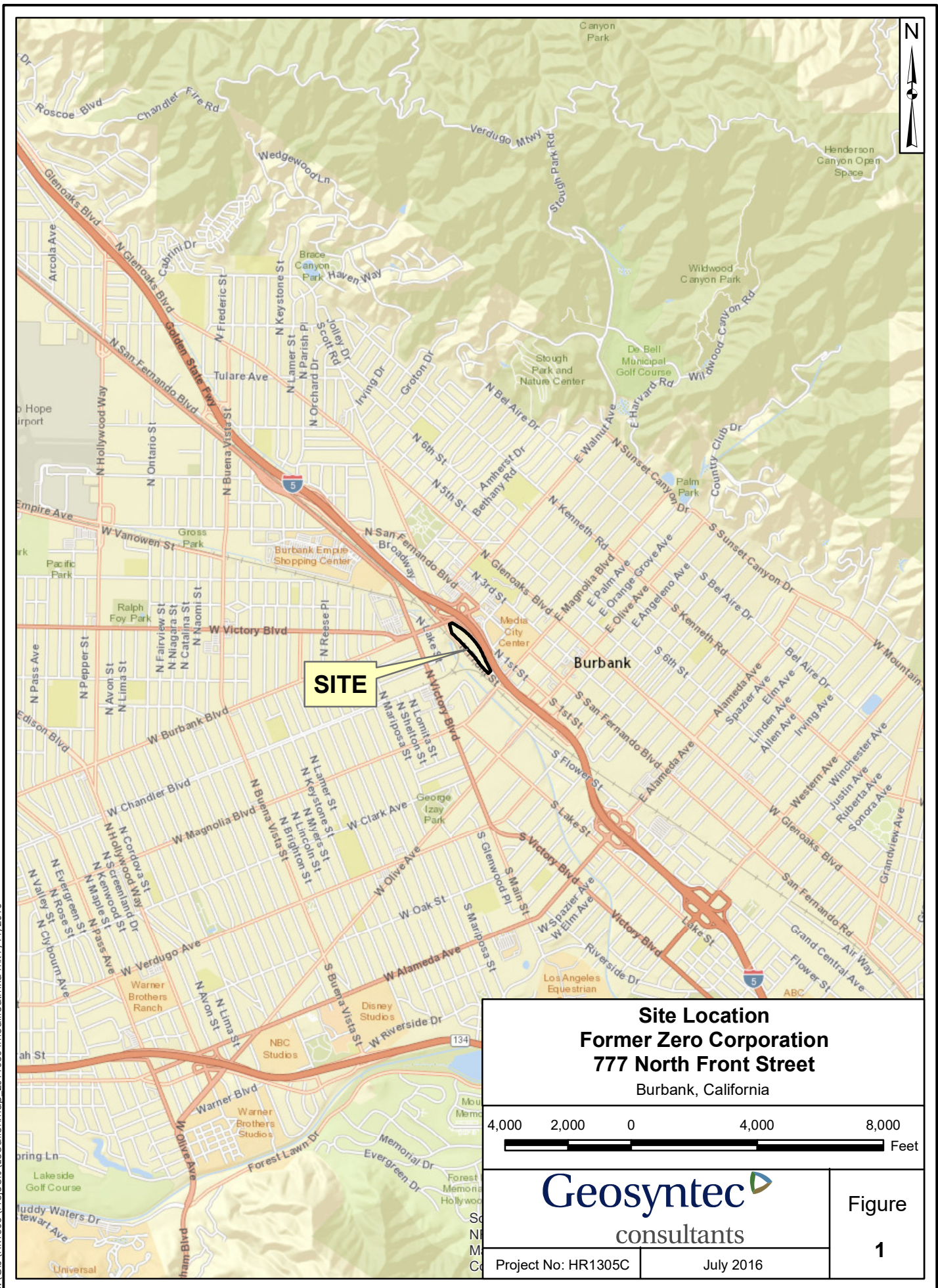
Quantitative Reporting Limit = 0.40 mg/kg

- = Samples not collected at referenced depth

⁽¹⁾ = Duplicate sample collected and analyzed

ND<0.40/ND<0.40 = Primary sample results/duplicate sample results

FIGURES





Legend

SS-4A

Geosyntec Soil Boring (June 2016)

SS-3

Geosyntec Soil Boring (June 2012)

Former Clarifier (Based on Site Plan Provided by Northridge Properties, LLC and Field Observations)

Former Building Location

Site Boundary

Source: Esri, Digital AEX, Getmapping, A

Soil Boring Locations

Former Zero Corporation

777 North Front Street

Burbank, California

2001000200

Feet

Geosyntec

consultants

Figure

2

HR1305C

July 2016

S:\GIS\HR1305\Projects\SitePlan_20160711.mxd mk 7/11/2016



Sample Location ID	Depth of Sample (feet bgs)	June 2012 Cr ⁶⁺ Results (mg/kg)
SS-1	5	ND<0.40
	10	ND<0.40
	15	ND<0.40
	20	ND<0.40

SS-1

Building 11

Sample Location ID	Depth of Sample (feet bgs)	June 2012 Cr ⁶⁺ Results (mg/kg)
SS-2	5	1.10
	10	0.96
	15	ND<0.40
	20	ND<0.40

SS-2

Sample Location ID	Depth of Sample (feet bgs)	June 2012 Cr ⁶⁺ Results (mg/kg)
SS-4	5	ND<0.40
	10 ⁽¹⁾	ND<0.40
	15	ND<0.40
	20 ⁽¹⁾	0.41

Sample Location ID	Depth of Sample (feet bgs)	June 2016 Cr ⁶⁺ Results (mg/kg)
SS-4A	5	-
	10 ⁽¹⁾	ND<0.40/ND<0.40
	15	-
	20 ⁽¹⁾	ND<0.40/ND<0.40
	25	ND<0.40
	30	ND<0.40
	35	0.49
	40	ND<0.40

SS-4A

SS-4

SS-3

Sample Location ID	Depth of Sample (feet bgs)	June 2012 Cr ⁶⁺ Results (mg/kg)
SS-3	5	ND<0.40
	10 ⁽¹⁾	ND<0.40/ND<0.40
	15	ND<0.40
	20	ND<0.40

Building 14

SS-5

Sample Location ID	Depth of Sample (feet bgs)	June 2012 Cr ⁶⁺ Results (mg/kg)
SS-5	5	1.30
	10	ND<0.40
	15	ND<0.40
	20 ⁽¹⁾	ND<0.40/ND<0.40

Notes:

bgs = below ground surface

Cr⁶⁺ = Hexavalent chromium

ND<0.40 = Not detected above laboratory reporting limits (i.e., 0.40 mg/kg)

- = Samples not collected at referenced depth

⁽¹⁾ = Duplicate sample collected and analyzed; results as primary sample results/duplicate sample results

Legend

SS-4A ● Geosyntec Soil Boring (June 2016)

SS-3 ● Geosyntec Soil Boring (June 2012)



Former Clarifier (Based on Site Plan Provided by Northridge Properties, LLC and Field Observations)

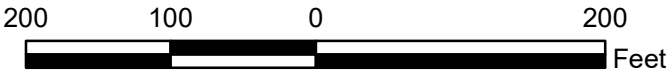


Former Building Location



Site Boundary

Soil Sample Cr₆+ Analytical Results
Former Zero Corporation
777 North Front Street
Burbank, California



Geosyntec
consultants

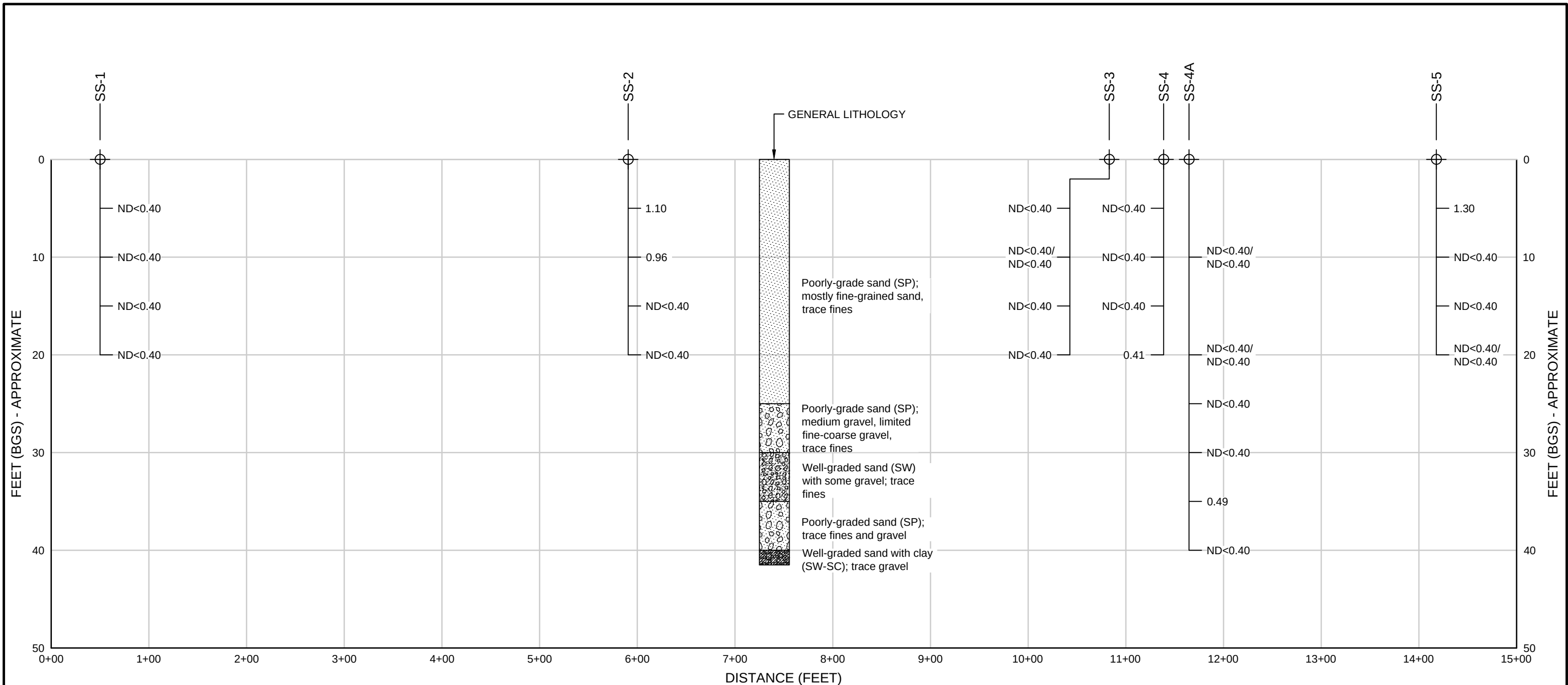
Figure
3

HR1305C

July 2016

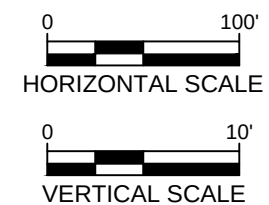
Source: Esri, Digital
AEX, Getmapping, A

N:\CADD\FORMER ZERO CORP\FORMER ZERO CORP - HR1305\Figures\1305F001.dwg 7/11/16 16:13 sterdy



NOTES:

1. HORIZONTAL AND VERTICAL MEASUREMENTS ARE APPROXIMATE.
2. Cr6+ RESULTS ARE MG/KG.



FENCE DIAGRAM - Cr6+ RESULTS
FORMER ZERO CORPORATION
777 NORTH FRONT STREET
BURBANK, CALIFORNIA

Geosyntec
consultants

Project No: HR1305C

July 2016

Figure
4

APPENDIX A

APPROVED WORK PLAN

October 1, 2015

Samuel Unger
Executive Officer
Regional Water Quality Control Board, Los Angeles Region
320 West Fourth Street, Suite 200
Los Angeles, CA 90013

**Subject: Supplemental Investigation Work Plan – Hexavalent Chromium
777 North Front Street, Burbank, California**

Dear Mr. Unger:

INTRODUCTION

This document consists of a Work Plan for supplemental soil assessment to be conducted at the 777 North Front Street property, located in Burbank, California (the Site). This Work Plan was prepared by Geosyntec Consultants, Inc. (Geosyntec) at the request of Gilchrist & Rutter Professional Corp. (Gilchrist) on behalf of Northridge Properties, LLC, the owner of the property, for submittal to the Los Angeles Regional Water Quality Control Board (LARWQCB). The soil assessment is being conducted in response to a LARWQCB letter addressed to Northridge Properties, LLC, dated June 3, 2015 (LARWQCB Case File No. 109.6162). The letter required that Northridge Properties, LLC, complete a supplemental soil investigation in the vicinity of one of the previous investigation boring locations, and submit a technical report documenting the results of the supplemental investigation.

SAMPLING AND ANALYSIS PLAN

General

To supplement the previous assessments of the Site, specifically with respect to vertical extent of hexavalent chromium in the vicinity of a former clarifier, an additional soil boring will be drilled in the location to a depth of 40 feet below ground surface (bgs) in the area identified in the attached Figure 1. The proposed sample location SS-4A was selected pursuant to conversations with the LARWQCB related to the detection of hexavalent chromium at a concentration above the laboratory reporting limit in sample

SS-4 (at 20 ft bgs). The locations where Geosyntec collected previous soil samples are also shown on Figure 1. While the LARWQCB requires in their June 3, 2015, letter that the boring shall be advanced to 50 ft bgs, subsequent conversations with Mr. Larry Moore of the LARWQCB, case representative for this site, allowed for the depth of the new boring at the SS-4 location to be 40 ft bgs, doubling the depth achieved during the previous soil investigation. Northridge Properties, LLC, understands that, if hexavalent chromium is detected in soils at 40 ft bgs, additional supplemental soil investigation may be required to the originally specified depth of 50 ft bgs¹.

The proposed boring location SS-4A will be drilled to 40 ft bgs, with soil samples to be collected at the following depths below ground surface: 10 ft, 20 ft, 25 ft, 30 ft, 35 ft, and 40 ft. The shallowest two depths are intended to confirm results from the previous soil testing at SS-4, and the subsequent samples collected at 5 ft intervals to the termination depth of the boring. The results from this sampling event will be documented and summarized along with Geosyntec's previous assessment results.

Fieldwork Preparation and Borehole Installation

The soil boring location will be determined in the field during a site walk with representatives of Northridge Properties, LLC, and the LARWQCB.

The soil boring will be installed using hollow stem drilling technology. The boring will be drilled to a depth of up to a maximum of 40 ft bgs or until refusal; if drilling refusal is encountered prior to reaching 40 ft bgs, then the location will be relocated in the immediate vicinity of SS-4A and drilling resumed. As the Site is vacant without knowledgeable Site personnel, borehole locations will be cleared of underground utilities by performing a geophysical survey in advance of field work, and notification of Underground Service Alert (USA) prior to commencing field work. Concrete coring will be performed prior to drilling in areas currently covered with a concrete foundation.

Sample Collection

Samples of the subsurface soil will be recovered at approximately the intervals noted above over the entire borehole depth using an approximately 2-inch diameter California split spoon sampler. The boring will be overseen by a registered Professional Engineer

¹ Based on field drilling conditions, Geosyntec may opt to continue the boring to 50 ft bgs as specified in the RWQCB June 3, 2015, letter, and to hold soil samples collected from 45 ft bgs and 50 ft bgs for analysis only if the presence of a detectible level of hexavalent chromium is confirmed in the soil sample collected from 40 ft bgs.

or Geologist, with visually logging for geologic lithology in accordance with the Unified Soil Classification System (USCS) through evaluation of drill cuttings and soil samples by the field representative. The soil core will be visually evaluated for evidence of impacts. Select soil samples will be retained for laboratory analytical testing at the intervals identified above. Soil sampling intervals may be adjusted based on the results of observations of visual impacts, or the identification of low permeable layers. Soil samples will be stored in a cooler on ice pending shipment to Eurofins/Calscience Laboratories under chain of custody protocol. Samples will be analyzed for hexavalent chromium speciation. Similar to the previous soil investigation, the laboratory reporting limit for hexavalent chromium is 0.40 milligram per kilogram (mg/kg).

Decontamination and Investigation-Derived Waste Disposal

The borehole will be abandoned with hydrated bentonite pellets. Augers will be decontaminated with a three-stage rinse; waste cuttings and decontamination water that are generated are referred to as investigation-derived waste. Investigation-derived wastes will be stored in drums for off-site disposal.

Quality Assurance/Quality Control

Duplicate samples will be collected from each sampling depth as a contingency. Trip blanks will be stored with analytical samples during transport to the analytical lab. Quality control procedures of Eurofins/Calscience Laboratories will be included in an appendix to the final report along with lab reports.

DATA ANALYSIS AND REPORTING

A data summary report will be prepared to document field activities and present the findings of the investigation. This report will be submitted to the LARWQCB within six weeks of receipt of the laboratory analytical results. The report will include figures illustrating sampling locations and copies of laboratory analytical data. The investigation analytical results will be evaluated based on a comparison with historical hexavalent chromium data, as well as EPA-established screening levels. If appropriate, the report will include recommendations for further analysis or investigation/delineation; pursuant to discussions with the LARWQCB, the recommendations may include a request for soil closure if the soil sample hexavalent chromium concentrations are below screening limits and the deepest (i.e., 40 ft bgs) sample is below laboratory reporting limit of 0.40 mg/kg. Per the requirements of the LARWQCB, the boring log will also be prepared and included in the report.

Samuel Unger
October 1, 2015
Page 4 -- 777 N. Front St.

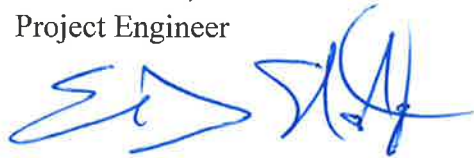
CLOSING

We are seeking your concurrence with and approval of this Work Plan. If you have any questions or comments on the contents of this letter, please do not hesitate to contact Eric Smalstig of Geosyntec at 714-969-0800.

Sincerely,



Matt Thomas, Ph.D.
Project Engineer



Eric Smalstig, P.E.
Principal

Samuel Unger
October 1, 2015
Page 5 – 777 N. Front St.

Copies to:

Alan Skobin, Northridge Properties (via electronic mail)
Larry Moore, LARWQCB (via electronic mail)
Don Nanney, Gilchrist & Rutter, PC (via electronic mail)

FIGURE 1

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APPENDIX B

LABORATORY ANALYTICAL REPORT



WORK ORDER NUMBER: 16-06-0179

The difference is service



AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: Geosyntec Consultants

Client Project Name: 777 N. Front Street / HR1305C

Attention: Matt Thomas
2100 Main Street
Suite 150
Huntington Beach, CA 92648-2460

A handwritten signature in black ink, appearing to read "S. Nowak".

Approved for release on 06/08/2016 by:
Stephen Nowak
Project Manager

ResultLink ▶

Email your PM ▶



Eurofins Calscience, Inc. (Calscience) certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any defense to any litigation which may arise.



Calscience

Contents

Client Project Name: 777 N. Front Street / HR1305C
Work Order Number: 16-06-0179

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5	Quality Control Sample Data.	8
	5.1 MS/MSD.	8
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6	Glossary of Terms and Qualifiers.	10
7	Chain-of-Custody/Sample Receipt Form.	11

Work Order: 16-06-0179

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Condition Upon Receipt:

Samples were received under Chain-of-Custody (COC) on 06/02/16. They were assigned to Work Order 16-06-0179.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

Holding Times:

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of ≤ 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

Quality Control:

All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

Subcontractor Information:

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.

Additional Comments:

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.

Sample Summary

Client: Geosyntec Consultants	Work Order: 16-06-0179
2100 Main Street, Suite 150	Project Name: 777 N. Front Street / HR1305C
Huntington Beach, CA 92648-2460	PO Number:
	Date/Time Received: 06/02/16 13:45
	Number of Containers: 8

Attn: Matt Thomas

Sample Identification	Lab Number	Collection Date and Time	Number of Containers	Matrix
SS-4A-10	16-06-0179-1	06/02/16 09:10	1	Solid
SS-4A-10(DUP)	16-06-0179-2	06/02/16 09:10	1	Solid
SS-4A-20	16-06-0179-3	06/02/16 09:18	1	Solid
SS-4A-20(DUP)	16-06-0179-4	06/02/16 09:18	1	Solid
SS-4A-25	16-06-0179-5	06/02/16 09:24	1	Solid
SS-4A-30	16-06-0179-6	06/02/16 09:30	1	Solid
SS-4A-35	16-06-0179-7	06/02/16 09:39	1	Solid
SS-4A-40	16-06-0179-8	06/02/16 09:57	1	Solid



Calscience

Detections Summary

Client: Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

Work Order: 16-06-0179
Project Name: 777 N. Front Street / HR1305C
Received: 06/02/16

Attn: Matt Thomas

Page 1 of 1

Client SampleID

<u>Analyte</u>	<u>Result</u>	<u>Qualifiers</u>	<u>RL</u>	<u>Units</u>	<u>Method</u>	<u>Extraction</u>
SS-4A-35 (16-06-0179-7) Chromium, Hexavalent	490		400	ug/kg	EPA 7199	EPA 3060A

Subcontracted analyses, if any, are not included in this summary.


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* MDL is shown



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Analytical Report

Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

Date Received: 06/02/16
Work Order: 16-06-0179
Preparation: EPA 3060A
Method: EPA 7199
Units: ug/kg

Project: 777 N. Front Street / HR1305C

Page 1 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SS-4A-10	16-06-0179-1-A	06/02/16 09:10	Solid	IC 11	06/03/16	06/03/16 16:20	160603L01P
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>	<u>Qualifiers</u>	
Chromium, Hexavalent		ND	400		1.00		
SS-4A-10(DUP)	16-06-0179-2-A	06/02/16 09:10	Solid	IC 11	06/03/16	06/03/16 16:29	160603L01P
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>	<u>Qualifiers</u>	
Chromium, Hexavalent		ND	400		1.00		
SS-4A-20	16-06-0179-3-A	06/02/16 09:18	Solid	IC 11	06/03/16	06/03/16 16:38	160603L01P
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>	<u>Qualifiers</u>	
Chromium, Hexavalent		ND	400		1.00		
SS-4A-20(DUP)	16-06-0179-4-A	06/02/16 09:18	Solid	IC 11	06/03/16	06/03/16 16:47	160603L01P
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>	<u>Qualifiers</u>	
Chromium, Hexavalent		ND	400		1.00		
SS-4A-25	16-06-0179-5-A	06/02/16 09:24	Solid	IC 11	06/03/16	06/03/16 16:56	160603L01P
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>	<u>Qualifiers</u>	
Chromium, Hexavalent		ND	400		1.00		
SS-4A-30	16-06-0179-6-A	06/02/16 09:30	Solid	IC 11	06/03/16	06/03/16 17:05	160603L01P
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>	<u>Qualifiers</u>	
Chromium, Hexavalent		ND	400		1.00		
SS-4A-35	16-06-0179-7-A	06/02/16 09:39	Solid	IC 11	06/03/16	06/03/16 17:14	160603L01P
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>	<u>Qualifiers</u>	
Chromium, Hexavalent		490	400		1.00		
SS-4A-40	16-06-0179-8-A	06/02/16 09:57	Solid	IC 11	06/03/16	06/03/16 17:23	160603L01P
<u>Parameter</u>		<u>Result</u>	<u>RL</u>		<u>DF</u>	<u>Qualifiers</u>	
Chromium, Hexavalent		ND	400		1.00		

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

Geosyntec Consultants 2100 Main Street, Suite 150 Huntington Beach, CA 92648-2460 Project: 777 N. Front Street / HR1305C	Date Received: 06/02/16 Work Order: 16-06-0179 Preparation: EPA 3060A Method: EPA 7199 Units: ug/kg Page 2 of 2
---	--

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-05-125-2924	N/A	Solid	IC 11	06/03/16	06/03/16 15:53	160603L01P
Parameter	Result		RL	DF	Qualifiers		
Chromium, Hexavalent	ND		400	1.00			

[Return to Contents](#)

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Quality Control - Spike/Spike Duplicate

Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

Date Received: 06/02/16
Work Order: 16-06-0179
Preparation: EPA 3060A
Method: EPA 7199

Project: 777 N. Front Street / HR1305C

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Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
16-06-0196-2	Sample	Solid	IC 11	06/03/16	06/03/16 16:11	160603S01P
16-06-0196-2	Matrix Spike	Solid	IC 11	06/03/16	06/03/16 17:32	160603S01P
16-06-0196-2	Matrix Spike Duplicate	Solid	IC 11	06/03/16	06/03/16 17:41	160603S01P

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Chromium, Hexavalent	ND	40000	5890	15	6548	16	75-125	11	0-25	3

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RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - LCS

Geosyntec Consultants 2100 Main Street, Suite 150 Huntington Beach, CA 92648-2460 Project: 777 N. Front Street / HR1305C	Date Received: 06/02/16 Work Order: 16-06-0179 Preparation: EPA 3060A Method: EPA 7199 Page 1 of 1
---	--

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-05-125-2924	LCS	Solid	IC 11	06/03/16	06/03/16 16:02	160603L01P
<u>Parameter</u>		<u>Spike Added</u>	<u>Conc. Recovered</u>	<u>LCS %Rec.</u>	<u>%Rec. CL</u>	<u>Qualifiers</u>
Chromium, Hexavalent		20000	19270	96	80-120	

[Return to Contents](#)

Glossary of Terms and Qualifiers

Work Order: 16-06-0179

Page 1 of 1

<u>Qualifiers</u>	<u>Definition</u>
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control.
4	The MS/MSD RPD was out of control due to suspected matrix interference.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
BV	Sample received after holding time expired.
CI	See case narrative.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
JA	Analyte positively identified but quantitation is an estimate.
ME	LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean).
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.
	Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.
	Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.
	A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations.



eurofins

Calscience

7440 Lincoln Way, Garden Grove, CA 92641-1427 • (714) 895-5494
For courier service / sample drop off information, contact us26_sales@eurofins.com or call us.

LABORATORY CLIENT:

GEO-SYNTEC CONSULTANTS

ADDRESS:

2100 MAIN STREET, #150

CITY:

HUNTINGTON BEACH CA

TEL:

714-969-0800

E-MAIL:

mthomas@geosyntec.com

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):

☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☒ STANDARD

EOD

☐ COELT EDF ☐ OTHER

SPECIAL INSTRUCTIONS:

* CHROMIUM 6 (HEX CHROME)

ONLY

* MAINTAIN SUFFICIENT SAMPLE FOR
2ND ANALYSIS, IF REQUESTED (DISCARD
AFTER 3 MONTHS)

CHAIN-OF-CUSTODY RECORD

WO NO. / LAB USE ONLY

16-06-0179

Date 2 June 2016

Page 1 of 1

LABORATORY CLIENT:		CLIENT PROJECT NAME / NO.:		P.O. NO.:
ADDRESS:		777 N. FRONT STREET		HR1305 C
CITY:		PROJECT CONTACT:		LAB CONTACT OR QUOTE NO.:
HUNTINGTON BEACH CA		MATT THOMAS		
TEL:		GLOBAL ID:		SAMPLER(S): (PRINT)
714-969-0800				BRIAN PENSERINI
E-MAIL:		LOG CODE:		
mthomas@geosyntec.com				

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING		MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	☐ TPH(g) ☐ GRO	☐ TPH(d) ☐ DRO	TPH ☐ C6-C36 ☐ C6-C44	TPH ☐ BTEX / MTBE ☐ 8260 ☐	VOCs (8260)	Oxygenates (8260)	Prep (5035) ☐ En Core ☐ Terra Core	SVOCs (8270)	Pesticides (8081)	PCBs (8082)	PAHs ☐ 8270 ☐ 8270 SIM	T22 Metals ☐ 6010/747X ☐ 6020/747X	Cr(VI) ☐ 7196 ☒ 7199 ☐ 218.6	RL=0.40 mg/kg
		DATE	TIME																			
1	SS-4A-10	6/2/16	09:10	Soil	1	X																
2	SS-4A-10(DUP)	"	09:10	Soil	1	X																
3	SS-4A-20	"	09:18	Soil	1	X																
4	SS-4A-20(DUP)	"	09:18	Soil	1	X																
5	SS-4A-25	"	09:24	Soil	1	X																
6	SS-4A-30	"	09:30	Soil	1	X																
7	SS-4A-35	"	09:39	Soil	1	X																
8	SS-4A-40	"	09:57	Soil	1	X																

Relinquished by: (Signature)

Received by: (Signature/Affiliation)

Date:

Time:

Relinquished by: (Signature)

Received by: (Signature/Affiliation)

Date:

Time:

Relinquished by: (Signature)

Received by: (Signature/Affiliation)

Date:

Time:

SAMPLE RECEIPT CHECKLIST

COOLER 1 OF 1

CLIENT: Geosyntec

DATE: 06/02/2016

TEMPERATURE: (Criteria: 0.0°C – 6.0°C, not frozen except sediment/tissue)

Thermometer ID: SC2A (CF: 0.0°C); Temperature (w/o CF): 3.7 °C (w/ CF): 3.7 °C; ☒ Blank ☐ Sample☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____)☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling☐ Sample(s) received at ambient temperature; placed on ice for transport by courierAmbient Temperature: ☐ Air ☐ Filter

Checked by: 836

CUSTODY SEAL:

Cooler ☐ Present and Intact ☐ Present but Not Intact ☒ Not Present ☐ N/A

Checked by: 836

Sample(s) ☐ Present and Intact ☐ Present but Not Intact ☒ Not Present ☐ N/A

Checked by: 802

SAMPLE CONDITION:

	Yes	No	N/A
Chain-of-Custody (COC) document(s) received with samples	☒	☐	☐
COC document(s) received complete	☒	☐	☐
☐ Sampling date ☐ Sampling time ☐ Matrix ☐ Number of containers			
☐ No analysis requested ☐ Not relinquished ☐ No relinquished date ☐ No relinquished time			
Sampler's name indicated on COC	☒	☐	☐
Sample container label(s) consistent with COC	☒	☐	☐
Sample container(s) intact and in good condition	☒	☐	☐
Proper containers for analyses requested	☒	☐	☐
Sufficient volume/mass for analyses requested	☒	☐	☐
Samples received within holding time	☒	☐	☐
Aqueous samples for certain analyses received within 15-minute holding time			
☐ pH ☐ Residual Chlorine ☐ Dissolved Sulfide ☐ Dissolved Oxygen	☐	☐	☒
Proper preservation chemical(s) noted on COC and/or sample container	☐	☐	☒
Unpreserved aqueous sample(s) received for certain analyses			
☐ Volatile Organics ☐ Total Metals ☐ Dissolved Metals			
Container(s) for certain analysis free of headspace	☐	☐	☒
☐ Volatile Organics ☐ Dissolved Gases (RSK-175) ☐ Dissolved Oxygen (SM 4500)			
☐ Carbon Dioxide (SM 4500) ☐ Ferrous Iron (SM 3500) ☐ Hydrogen Sulfide (Hach)			
Tedlar™ bag(s) free of condensation	☐	☐	☒

CONTAINER TYPE:

(Trip Blank Lot Number: _____)

Aqueous: ☐ VOA ☐ VOA_h ☐ VOA_{na2} ☐ 100PJ ☐ 100PJ_{na2} ☐ 125AGB ☐ 125AGB_h ☐ 125AGB_p ☐ 125PB☐ 125PB_{znna} ☐ 250AGB ☐ 250CGB ☐ 250CGB_s ☐ 250PB ☐ 250PB_n ☐ 500AGB ☐ 500AGJ ☐ 500AGJ_s☐ 500PB ☐ 1AGB ☐ 1AGB_{na2} ☐ 1AGB_s ☐ 1PB ☐ 1PB_{na} ☐ _____ ☐ _____ ☐ _____ ☐ _____Solid: ☒ 4ozCGJ ☐ 8ozCGJ ☐ 16ozCGJ ☐ Sleeve (_____) ☐ EnCores® (_____) ☐ TerraCores® (_____) ☐ _____Air: ☐ Tedlar™ ☐ Canister ☐ Sorbent Tube ☐ PUF ☐ _____ Other Matrix (_____) ☐ _____ ☐ _____

Container: A = Amber, B = Bottle, C = Clear, E = Envelope, G = Glass, J = Jar, P = Plastic, and Z = Ziploc/Resealable Bag

Preservative: b = buffered, f = filtered, h = HCl, n = HNO₃, na = NaOH, na₂ = Na₂S₂O₃, p = H₃PO₄, Labeled/Checked by: 802s = H₂SO₄, u = ultra-pure, znna = Zn(CH₃CO₂)₂ + NaOH

Reviewed by: 836

APPENDIX C

BORING LOG



2100 Main St
Suite 150
Huntington Beach, CA 92648
Tel: (714) 969-0800
Fax: (714) 969-0820

BORING **SS-4A**
START DRILL DATE Jun 2, 16
FINISH DRILL DATE Jun 2, 16
LOCATION 777 Front St., Burbank
PROJECT FORMER ZERO CORP
NUMBER HR1305

SHEET 1 OF 2

ELEVATION DATA:
GROUND SURF. (Ft) NA
TOP OF CASING (Ft) NA
DATUM Ground Surface

GS FORM:
WELL BORE 01/04

BOREHOLE LOG

DEPTH (ft-bgs)	DESCRIPTION 1) Unit/Formation, Mem. 2) USCS Name 3) Color 4) Moisture 5) Percent Grain Size 6) Plasticity 7) Density/Consistency 8) Structure 9) Other (Mineralization, Discoloration, Odor, etc.)	GRAPHIC LOG	WELL LOG	GROUNDWATER OR STRUCTURE	ELEVATION (ft)	SAMPLE					COMMENTS 1) Rig Behavior 2) Air Monitoring	
						SAMPLE NO.	TYPE	BLOW COUNT	RECOVERY (%)	PID/FID (ppm)		TIME (00:00)
5	Poorly-graded sand (SP); grayish-brown (5YR 3/2); moist; mostly fine-grained sand, trace silt; (5, 95, 0); homogenous.											From drill cuttings. No sample taken from 0-10' bgs
10	Poorly-graded sand (SP) as above; trace clay; (5, 95,0); homogeneous.					SS-4A-10		8/ 18/ 21	66	0	09:10	Duplicate sample taken (SS-4A-10DUP). 12"/18" recovery
15												
20	Poorly-graded sand (SP) as above (at 10' bgs).					SS-4A-20		10/ 19/ 16	100	0	09:18	Duplicate sample taken (SS-4A-20DUP). 18" recovery
25	Poorly-graded sand (SP); grayish-brown (5YR 3/2) sand, medium light gray (N6) gravel; moist; mostly sand, few fine-coarse gravel, trace fines; (5,85,10); unconsolidated.					SS-4A-25		28/ 50 (6")	100	0	09:24	Driller noted coarse gravel in cuttings. 15" recovery
30												

CONTRACTOR Gregg Drilling
EQUIPMENT
DRILL MTHD Hollow-Stem Auger
DIAMETER
LOGGER Brian Penserini

NORTHING
EASTING
COORDINATE SYSTEM:
REVIEWER

NOTES: Samples collected using 2" diameter, 18" long split spoon, lined. Representative specimens sent for lab analyses or retained in 4 oz. glass jars. Samples taken from bottom sleeve except SS-4A-10 (10DUP) (taken from middle)

SEE KEY SHEET FOR SYMBOLS AND ABBREVIATIONS

07-WELL BORE HR1305.GPJ GEOSYNTEC.GDT 6/17/16

GS FORM:
WELL BORE 01/04

BOREHOLE LOG

DEPTH (ft-bgs)	DESCRIPTION 1) Unit/Formation, Mem. 2) USCS Name 3) Color 4) Moisture 5) Percent Grain Size 6) Plasticity 7) Density/Consistency 8) Structure 9) Other (Mineralization, Discoloration, Odor, etc.)	GRAPHIC LOG	WELL LOG	GROUNDWATER OR STRUCTURE	ELEVATION (ft)	SAMPLE					COMMENTS 1) Rig Behavior 2) Air Monitoring	
						SAMPLE NO.	TYPE	BLOW COUNT	RECOVERY (%)	PID/FID (ppm)		TIME (00:00)
	Well-graded sand (SW); grayish-brown (5YR 3/2) sand, yellowish-gray (5YR 7/2) gravel; moist; trace fines, mostly medium-coarse sand, trace gravel; (5, 90, 5); unconsolidated.					SS-4A-30		21/ 40/ 36	100	0	09:30	18" recovery
35	Poorly-graded sand (SP); grayish-brown (5YR 3/2) sand; moist; trace fines, mostly fine sand, trace fine gravel; (5, 90, 5).					SS-4A-35		14/ 22/ 31	100	0	09:39	18" recovery
40	Well-graded sand with clay (SW-SC); grayish-brown (5YR 3/2) sand; moist; few fines, mostly sand, trace fine gravel; unconsolidated.					SS-4A-40		17/ 40/ 38	100	0	09:57	18" recovery
45												
50												
55												
60												

CONTRACTOR Gregg Drilling
EQUIPMENT
DRILL MTHD Hollow-Stem Auger
DIAMETER
LOGGER Brian Penserini

NORTHING
EASTING
COORDINATE SYSTEM:
REVIEWER

NOTES: Samples collected using 2" diameter, 18" long split spoon, lined. Representative specimens sent for lab analyses or retained in 4 oz. glass jars. Samples taken from bottom sleeve except SS-4A-10 (10DUP) (taken from middle)

SEE KEY SHEET FOR SYMBOLS AND ABBREVIATIONS

APPENDIX D

PHOTOGRAPHIC LOG



Photo No.:	1	Date:	June 2, 2016
Photographer:	Brian Penserini		
Subject:	View of Proposed Site of SS-4A		
Project:	777 N. Front Street, Additional Boing Investigation - 2016	City/State:	Burbank, CA



Photo No.:	2	Date:	June 2, 2016
Photographer:	Brian Penserini		
Subject:	Goldak Geophysics Performing Subsurface Survey		
Project:	777 N. Front Street, Additional Boing Investigation - 2016	City/State:	Burbank, CA



Photo No.:	3	Date:	June 2, 2016
Photographer:	Brian Penserini		
Subject:	Location of SS-4A Prior to Drilling		
Project:	777 N. Front Street, Additional Boing Investigation - 2016	City/State:	Burbank, CA



Photo No.:	4	Date:	June 2, 2016
Photographer:	Brian Penserini		
Subject:	Gregg Drilling Hand Augering at SS-4A		
Project:	777 N. Front Street, Additional Boing Investigation - 2016	City/State:	Burbank, CA



Photo No.:	5	Date:	June 2, 2016
Photographer:	Brian Penserini		
Subject:	Overview of SS-4A Site Setup During Drilling		
Project:	777 N. Front Street, Additional Boing Investigation - 2016	City/State:	Burbank, CA



Photo No.:	6	Date:	June 2, 2016
Photographer:	Brian Penserini		
Subject:	Sampling Setup		
Project:	777 N. Front Street, Additional Boing Investigation - 2016	City/State:	Burbank, CA



Photo No.:	7	Date:	June 2, 2016
Photographer:	Brian Penserini		
Subject:	Sample SS-4A-30 After Sample Collection		
Project:	777 N. Front Street, Additional Boing Investigation - 2016	City/State:	Burbank, CA



Photo No.:	8	Date:	June 2, 2016
Photographer:	Brian Penserini		
Subject:	Sample SS-4A-40 Prior to Sample Collection		
Project:	777 N. Front Street, Additional Boing Investigation - 2016	City/State:	Burbank, CA



Photo No.:	9	Date:	June 2, 2016
Photographer:	Brian Penserini		
Subject:	Gregg Drilling Hydrating Bentonite Backfill		
Project:	777 N. Front Street, Additional Boing Investigation - 2016	City/State:	Burbank, CA



Photo No.:	10	Date:	June 2, 2016
Photographer:	Brian Penserini		
Subject:	SS-4A After Backfilling		
Project:	777 N. Front Street, Additional Boing Investigation - 2016	City/State:	Burbank, CA

REPORT
SOIL GAS SURVEY AND SOIL INVESTIGATION
EIGHT-ACRE PROPOSED MIXED USE DEVELOPMENT
777 NORTH FRONT STREET
CITY OF BURBANK, CALIFORNIA

Prepared For

SJ4 BURBANK, LLC

222 North Sepulveda Boulevard, Suite 2000
El Segundo, California 90245

Project No. 11235.002

July 12, 2016



Leighton Consulting, Inc.

A LEIGHTON GROUP COMPANY

REPORT
SOIL GAS SURVEY AND SOIL INVESTIGATION
EIGHT-ACRE PROPOSED MIXED USE DEVELOPMENT
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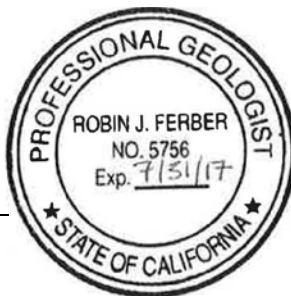
Project No. 11235.002

July 12, 2016



A handwritten signature in blue ink, likely belonging to Robin J. Ferber.

Robin J. Ferber, PG (5756)
Principal Geologist



A handwritten signature in blue ink, likely belonging to Wallace Sconiers, Jr.

Wallace Sconiers, Jr., PG (9335)
Project Geologist



Leighton Consulting, Inc.

A LEIGHTON GROUP COMPANY

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LIST OF ABBREVIATIONS

1,1-DCA	1,1-Dichloroethane
1,1-DCE	1,1-Dichloroethene
1,1,1-TCA	1,1,1-Trichloroethane
bgs	Below ground surface
BTEX	Benzene, toluene, ethylbenzene, and total xylenes
California EPA	California Environmental Protection Agency
CAM-17	The 17 metals listed in the California Code of Regulations, Title 22, Article 11
CA WET	California Waste Extraction Test
CCR	California Code of Regulations
CFR	Code of Federal Regulations
CHHSLs	California Human Health Screening Levels
cis-1,2-DCE	cis-1,2-Dichloroethene
DRO	Diesel Range Organics
DTSC	Department of Toxic Substances Control
EPA	Environmental Protection Agency
FLDC	Ford Leasing Development Company
GC/MS	Gas Chromatograph/Mass Spectrometer
HHRA	Human Health Risk Assessment
HSP	Health and Safety Plan
HGC	Hydro Geo Chem, Inc.
ID	Identification
IDW	Investigation-derived wastes
LLC	Limited Liability Company
mg/kg	Milligrams per kilogram
mg/L	Milligrams per liter
MRL	Laboratory method reporting limit
MSSLs	Maximum Soil Screening Levels
ORO	Oil Range Organics
OSHA	Occupational Safety and Health Administration
PCBs	Polychlorinated biphenyls
PCE	Tetrachloroethene
PG	Professional Geologist
PID	Photoionization Detector
ppm	Parts per million
PQLs	Practical Quantitation Limits

QA/QC	Quality assurance/quality control
RCRA	Resource Conservation and Recovery Act
RSLs	CA EPA Region 9 Regional Screening Levels
STLC	Soluble Threshold Limit Concentration
TCE	Trichloroethene
TCFM	Trichlorofluoromethane
TCLP	Toxicity Characteristic Leaching Procedure
TPH-CC	Total petroleum hydrocarbons, carbon chain
TPH-gasoline	Total petroleum hydrocarbons as gasoline
trans-1,2-DCE	trans-1,2-dichloroethene
TTLC	Total Threshold Limit Concentration
ug/kg	Micrograms per kilogram
ug/L	Micrograms per liter
USA	Underground Service Alert
USCS	Unified Soil Classification System
USTs	Underground storage tanks
VOCs	Volatile organic compounds

1.0 INTRODUCTION

This report presents the results of a soil gas survey and soil investigation conducted on behalf of SJ4 Burbank LLC, a Delaware Limited Liability Company (SJ4) and Manatt, Phelps & Phillips LLP (Manatt) for the approximately 8-acre property located at 777 North Front Street in Burbank, California (the “site” or “subject property”). A Vicinity Map of the site is presented in Figure 1.

The purpose of Leighton’s environmental investigation of the site was to evaluate subsurface soil conditions at the site for the presence of chemicals of potential concern (COPCs) that may be encountered during the planned excavation activities associated with the subsurface parking structures of the redevelopment. Because of the industrial history of the site and previously identified areas where soil has been affected by hazardous substances and/or petroleum products, characterizing subsurface soils prior to excavation is a critical factor in determining the cost for the redevelopment. A site-wide soil gas survey was also performed to evaluate for the presence of volatile organic compounds (VOCs) that may represent a potential vapor intrusion concern for the residential and commercial structures planned at the site.

2.0 BACKGROUND

It is our understanding that SJ4 plans to redevelop the site into a mixed-use residential apartment complex with some ground level retail and a hotel (collectively, "Redevelopment"). Single-level, and some two-level, subterranean parking are currently planned for the residential/commercial complex. We understand a hotel is planned for the northwestern-most portion of the site and will have subgrade parking with initial indications of one parking level.

The subject property is the former location of a water heater manufacturing company known as General Water Heater Company (GWHC) which operated onsite from the 1930s until 1961. Galvanizing and later vulcanizing operations were conducted in a building in the central portion of the site and a building where plating operations were performed was also noted in the same general area. Welding and metal working was performed at multiple areas onsite. Other than conducting galvanizing, vulcanizing, plating, welding, and metalwork in the northwestern portion of their facility (Sanborn maps from 1940s and 1950s), little information is known about the management of hazardous substances and petroleum products conducted by General Water Heater at the site.

Zero Corporation (Zero) which manufactured metal cases and other products operated onsite from approximately 1961 to 1991. Zero's manufacturing operations included aluminum case drawing and washing, aluminum alodining (a metal coating process involving chromium and aluminum), chromate deoxidizing, steel phosphate coating and chromium sealing. The Zero facility was comprised of six buildings and contained paint booths, a water-based paint shop and drying booth, aluminum machining, etching, deoxidizing and cleaning, aluminum vapor degreasing, and grinding. Zero also operated five clarifiers, two unleaded gasoline underground storage tanks (USTs), exterior chemical storage areas, paint storage areas, an oil storage area, an acid storage area, an acid/caustic soda storage area, and an exterior hazardous waste staging area.

Ford Leasing Development Company (FLDC) purchased the site in 1998 from Zero with the intent to redevelop the property as a car dealership. The FLDC redevelopment of the site did not occur. Since Zero's 1991 departure, the site has been dormant other than occasionally being leased for storage and as a filming location for the entertainment industry. The former Zero buildings were demolished with the building slabs left intact in 2004. The site was purchased by Northridge Properties, LLC the current owner, from FLDC in 2005.

2.1 Regional Groundwater Issue

The subject property is located within the eastern portion of the San Fernando Valley Superfund area. The former Zero facility was listed as a potential responsible party (PRP) of this groundwater contamination based on the historical uses described in the section above. The US Environmental Protection Agency, Region 9 (US EPA) has jurisdiction of the regional groundwater contamination in the San Fernando Valley Superfund area, and state agencies, including the Regional Water Quality Control Board-Los Angeles Region (RWQCB) and the Department of Toxic Substances Control (DTSC), are assisting agencies with jurisdiction regarding PRP source investigation and control. The subject property was assigned to RWQCB for that purpose, originally with respect to VOC impacts to the regional groundwater contamination plume. In 1998, the US EPA expanded the regional investigation to include chromium impacts to groundwater. In addition, in 1998, the Site Designation Committee of the California Environmental Protection Agency (Cal/EPA) designated the RWQCB to be the Administering Agency for the subject property under California's Unified Agency Review of Hazardous Materials Release Sites Law. Since that time, the RWQCB has continued as the lead state regulatory agency and a review of the numerous reports provided to us indicates the site has been extensively investigated for soil, soil gas, and groundwater contamination.

In 2000 (effective in 1998), the US EPA entered into an agreement and Covenant Not to Sue (Covenant) with FLDC, the then potential site developer identified as the Settling Respondent. In exchange for the issuance of the Covenant, FLDC paid \$150,000 to the US EPA. In general terms, we understand that Northridge Properties, LLC was assigned the benefits of the Covenant when it acquired the subject property in 2005 and that SJ4 is seeking an assignment of the Covenant should they acquire the subject property. However, as further explained below, the RWQCB is currently evaluating the site as part of its investigation of the regional hexavalent chromium (CrVI) contamination in groundwater. The presence of CrVI in soil recently detected at a concentration of 0.41 milligrams per kilogram (mg/kg) at the subject property has resulted in the RWQCB requiring further environmental evaluation of this emergent chemical which has affected groundwater beneath the Burbank area. It is our understanding that Northridge Properties, LLC and their environmental consultant, Geosyntec

Consultants, are in the process of addressing the request by the RWQCB to further investigate CrVI on the subject property, as further explained below.

2.2 Historical Assessment Activities

According to records provided by Northridge Properties, LLC, environmental assessment activities began at the site in 1991 to comply with the RWQCB Well Investigation Program directive regarding the regional groundwater issue described above. Targhee, Inc. (Targhee) completed an initial investigation of the site, collecting several soil samples in areas of concern such as, but not limited to, adjacent to the clarifiers and within the chemical storage areas, hazardous waste storage area, oil storage area, and solvent storage area. Evidence of soil affected by chlorinated VOCs and total petroleum hydrocarbons was discovered by Targhee.

Leighton represented the City of Burbank on the adjacent Hyrail property in 1991. The Hyrail property, which is approximately 2,150 feet long by 50 feet wide, is situated primarily at the westerly edge of the site. Two soil gas surveys were performed by Leighton at the Hyrail property in 1991. Soil gas probes were installed at depths of 10 and 24 feet below ground surface (bgs) and two soil borings were drilled to groundwater (encountered at approximately 110 feet bgs). The predominant chlorinated VOCs detected in groundwater at concentrations exceeding their Maximum Contaminant Levels (MCL) included perchloroethylene (PCE), trichloroethylene (TCE), cis-1,2-dichloroethylene, and 1,1-dichloroethylene (1,1-DCE). It was Leighton's opinion that the VOCs detected in groundwater originated from the subject property (i.e., Zero facility).

Based on Targhee's and Leighton's findings, Hydro Geo Chem, Inc. (HGC) completed a site investigation of the Zero property in 1992 on behalf of Zero and determined that soil and soil gas were contaminated with chlorinated VOCs. Figures prepared by HGC showing the sampling locations and distribution of VOCs in soil gas are included in Appendix A (Appendix A-1 - Hydro Geo Chem, Inc. 1992 Figures). HGC completed several additional site investigations in the 1990s assessing the extent of chlorinated VOCs in soil, soil gas, and groundwater at the site. A total of nine groundwater monitoring wells were installed at the site to evaluate the distribution of VOCs in groundwater. Soil gas remediation efforts completed by HGC at the site are described in the next section – Historical Remediation Activities.

In 2005, Golder Associates, Inc. (Golder) was contracted by FLDC to conduct soil sampling adjacent to 12 oil-filled transformers, two capacitor banks, and a former in-ground hydraulic elevator remaining onsite following the demolition of the Zero buildings in 2004. Golder collected soil samples from one boring adjacent to the former in-ground hydraulic elevator and 14 surficial concrete or gravel samples adjacent to the electrical units. Polychlorinated biphenyls (PCBs) were not detected in the soil samples collected adjacent to the former hydraulic elevator and PCBs detected in the concrete and gravel samples did not exceed 12 parts per million (ppm) and were not considered regulated under the Toxic Substance Control Act (TSCA). Golder's subsequent 2006 report documents the removal and excavation of oil-stained concrete transformer pads, the removal of former electrical equipment from the site, and the removal of stained soil from the four former substation locations. Golder's post-excavation soil sampling revealed no detectable PCB concentrations.

In 2009, Caltrans contracted with Ninyo & Moore (N&M) to evaluate the northeasterly portion of the former Zero property with the intent to widen Interstate 5 to accommodate the development of High Occupancy Vehicle (HOV) lanes. This portion of the former Zero property has since been deeded to Caltrans as a permanent easement. N&M collected numerous soil and soil gas samples from the easement area. The results of N&M's investigation revealed there were detectable concentrations of CrVI in the soil which exceed the typical background concentration in the native soils in the San Fernando Valley. It should be noted that N&M included in their report that the former Zero facility received a notice of violation from the City of Burbank Public Works Department in 1975 for discharging wastewater with elevated chromium concentrations. The N&M investigation also indicated that the shallow soil gas results for VOCs, such as PCE, exceeded California Human Health Screening Levels (CHHSLs) for both residential and commercial/industrial settings. Additionally, their report also suggested that subsurface VOC concentrations have rebounded significantly since the site was remediated in 2001. Figures showing the concentrations of PCE detected in soil gas during N&M's investigation are included in Appendix A.

As part of the ongoing evaluation of the San Fernando Superfund case, groundwater supply wells in the San Fernando Basin were identified to have been contaminated with CrVI in 1998. The RWQCB identified 112 initial facilities at which further investigation was required to determine whether CrVI concentrations in soil at these locations indicates a significant past release that

may have contributed to the regional contamination. The former Zero property was not included among the initially identified facilities, but in May 2011, a letter from the RWQCB mandated soil investigation at the site based on past use of chromate salts and the findings of the 2009 Caltrans investigation (described above) that identified CrVI in onsite soil.

In their December 2011 Work Plan approval letter regarding the CrVI investigation, the RWQCB indicated that the property owner would also be required to perform soil vapor evaluation of VOCs to assess the extent it may affect human health via shallow soil vapor intrusion into habitable places. Due to the then-current site conditions and the eventual demolition of the remaining concrete slabs and subsurface features, and correspondent soil grading and redevelopment activities, the RWQCB agreed to put the requirement into temporary abeyance pending such redevelopment actions.

In 2012, GeoSyntec Consultants (GeoSyntec) was contracted by Northridge Properties, LLC to further evaluate CrVI in onsite soil to comply with the RWQCB's directive. A total of 5 borings were advanced at the site in the vicinity of the former clarifiers and soil samples were collected from each boring at 5-foot intervals from 5 feet bgs to the maximum investigation depth of 20 feet bgs. GeoSyntec found that CrVI was detected in 4 of the 20 soil samples collected during the investigation at concentrations that did not exceed the residential CHHSSL, which was the risk-based threshold in place at the time. GeoSyntec concluded that the vertical distribution of detections of CrVI in soil were inconsistent with historical releases of CrVI that would have affected groundwater and were not evidence to suggest that historical site activities had contributed to the groundwater basin's regional CrVI contamination. In response to GeoSyntec's report, the RWQCB issued a subsequent order, dated June 3, 2015, indicating that additional investigation is required around boring SS-4 (completed in 2012) located near a former 3-stage clarifier. On October 1, 2015, GeoSyntec submitted a Work Plan to the RWQCB for the completion of one additional boring, SS-4A, to a depth of 40 feet bgs in the area of the former 3-stage clarifier. It is Leighton's understanding that the scope of work outlined in the October 2015 Work Plan has been completed after approval of their Work Plan by RWQCB. We understand the results of their findings will be shared with SJ4 in the future. A figure showing the CrVI concentrations previously detected in soil samples collected at the site during GeoSyntec's investigation is included in Appendix A (Appendix A-4 - GeoSyntec Consultants 2012 Figure).

2.3 **Historical Remediation Activities**

Two phases of soil remediation for chlorinated VOCs have been conducted by HGC at the site on behalf of Zero, and later for APW North America Inc., after Zero's acquisition in or about 1998. A shallow soil vapor extraction (SVE) system (Phase 1) remediated the top 20 feet of soil within the proposed excavation/redevelopment areas between May 1998 and July 1999. A workplan to remediate VOCs in deeper site soil (Phase 2) was developed in 1996 by HGC. Cleanup progress was monitored using multi-level soil gas monitoring probes. The deeper soil SVE system included air sparging wells and began operation in December 1998 and full-scale operation began in February 1999 and operated until 2001.

On November 28, 2001, the RWQCB reviewed HGC's *Supplemental Site Closure Information* report dated August 23, 2001. The RWQCB indicated that "... Based on our review of the available information and with provision that the information provided to this agency was accurate and representative site conditions, we have no further requirements for VOCs soil contamination with respect to the San Fernando Valley Cleanup Program at the subject site. The relatively small volume of impacted soil, attenuation of concentrations with depth, and the diminished concentrations of VOCs remaining in soil appear not to pose a present or continuing threat to groundwater quality. Therefore, no further VOC assessment or cleanup of soil is warranted." On July 1, 2002, the Regional Board issued a Certificate of Completion for the site pursuant to California Health & Safety Code Section 25264, finding among other things that the site investigation and remediation at the site has been satisfactorily completed and a permanent remedy has been accomplished and that applicable remedial standards and objectives were achieved.

2.4 **Ongoing Environmental Concerns**

One of the environmental concerns associated with the subject property is that the original slabs from the Zero facility have not been removed from the site and that notwithstanding extensive past studies, there remains significant uncertainty regarding the environmental condition of shallow soils and soil gas beneath the site as they relate to the potential presence of VOCs, CrVI, additional hazardous substances and/or petroleum products. The RWQCB has ordered that a soil vapor intrusion assessment of the site be completed prior to redevelopment and

has ordered the Northridge Properties, LLC to investigate the potential presence of the emergent chemical, CrVI. Although groundwater quality may not be threatened by residual VOCs beneath the site, a complete exposure pathway via inhalation of residual VOCs could exist for future site residential and commercial occupants. However, SJ4's planned construction of a subgrade parking structure with adequate ventilation could serve to mitigate the potential for vapor intrusion by VOCs into future residential and commercial areas. Furthermore, the potential presence of residual contamination in soil could represent a significant cost concern for SJ4 when soil excavation commences during site redevelopment if disposal at a permitted facility is required and the risks associated with residual contamination remaining on-site from unexcavated soils will need to be assessed.

2.5 Leighton Observation of Site Conditions

Leighton conducted an initial site visit of the subject property on February 2, 2016 to observe existing conditions. The subject property is currently undeveloped with the exception of the building slabs that were associated with the former Zero manufacturing facility as well as possibly, the General Water Heater facility. Multiple features observed on the building slabs included concrete-filled former clarifiers, concrete-filled service trenches, metal forms of unknown purpose, concrete-patched exploratory boring locations and groundwater monitoring/vapor extraction wells, structural metal supports cut on-grade, and areas where a vapor extraction system (VES) was utilized to remove VOCs from soil at the site.

3.0 PURPOSE

Based on SJ4's planned redevelopment activities, the purpose of Leighton's environmental investigation of the site is two-fold:

Evaluate Soil Planned for Excavation - Evaluate subsurface soil conditions at the site for the presence of chemicals of potential concern (COPCs) that may be encountered during the planned excavation activities associated with the subsurface parking structures of the redevelopment. Subsurface soil in areas where single-level subterranean parking is planned will likely have to be excavated to a depth of approximately 12 to 15 feet below grade. In addition, in the area where two-level subterranean parking is planned, soil will have to be excavated to a depth of approximately 22 to 25 feet below grade. Because of the industrial history of the site and previously identified areas where soil has been affected by hazardous substances and/or petroleum products, characterizing subsurface soils prior to excavation is a critical factor in determining the cost for the redevelopment.

Evaluate Potential for Vapor Intrusion into Future Structures – To evaluate for the presence of VOCs that may represent a potential vapor intrusion concern for the residential and commercial structures planned at the site, a soil gas survey was performed throughout the subject property. The soil gas probes were installed at the bottom of each soil boring and located approximately 5 feet beneath the parking garage slab and/or building footprint. In a December 20, 2011 letter, the RWQCB required that an additional soil vapor evaluation (i.e., soil gas survey) be performed to evaluate the potential effect on human health via shallow soil vapor intrusion into habitable spaces. (This requirement was held in abeyance by the RWQCB pending commencement of redevelopment activities.) The results of the soil gas survey will be integrated into a site-specific human health risk assessment (HHRA) to assess the health risk to future residents/occupants of the site and if needed, to estimate the cost to develop and install a proper mitigation system, if needed. The soil gas survey was performed in general accordance with the July 2015 Advisory, Active Soil Gas Investigations, which was jointly developed by the California-EPA, Department of Toxic Substances Control's (DTSC's), Los Angeles Regional Water Quality Control Board, and the San Francisco Regional Water Quality Control Board.

4.0 INVESTIGATIVE METHODOLOGY

The investigative methods for the site investigation included, and were limited to, the following tasks:

4.1 Task 1 – Pre-Field Activities

The following tasks were performed prior to initiating field activities:

- **Notified Underground Services Alert** - Marked the proposed soil and soil gas probe locations and notified Underground Services Alert (USA) of Southern California (a.k.a. DigAlert) at the site to mark the location of public utilities entering the site. The location of each proposed boring was clearly marked in either white paint or with a lumber crayon. Leighton notified USA at least two (2) full working days prior to initiating the drilling activities. An oil pipeline operated by Mobil Oil crosses the southern portion of the site and was marked by Mobil Oil. In addition, on the first day of drilling (May 4, 2016), a representative from Mobil Oil entered the site and specifically identified the location of their pipeline and requested that no borings be drilled within 20 feet of the pipeline. Leighton complied with Mobil's request.
- **Private Utility Survey** - A Leighton CA Professional Geologist met onsite on May 3, 2016 with Spectrum Geophysics, a private utility locator subcontractor to evaluate for the presence of private subsurface utilities, as well as, unknown underground obstructions/features that may be encountered at the proposed boring locations.
- **Preparation of a Site-Specific Health and Safety Plan** - In accordance with standard environmental practices, Leighton prepared a site-specific Health and Safety Plan (HSP) describing safety aspects of the work to be performed at the subject site by Leighton. The HSP was prepared in compliance with the Occupational Safety and Health Administration (OSHA) regulation 29 CFR 1910.120, Hazardous Waste Operations and Emergency Response (Hazwoper) and 8 California Code of Regulations (CCR) 5192. All onsite Leighton personnel reviewed and signed the HSP acknowledging acceptance prior to initiation of fieldwork. Drilling subcontractors at the site had their own HSP and attended Leighton's tail gate meetings each day discussing the scope of work and safety measures at the site prior to drilling. The drilling

subcontractor signed Leighton's HSP to acknowledge they attended the tailgate meeting.

4.2 Task 2 – Soil Investigation and Soil Gas Survey

Soil Gas and Soil Sampling Locations - As noted on Figure 2, Leighton monitored the advancement of 36 soil borings. Due to drilling refusal, Boring A5 was moved about 4 feet to the southwest and drilled as boring A5B. Borings were advanced using direct-push technology by InterPhase Environmental (Los Angeles, CA). The borings were drilled at 28 unbiased, grid-based sampling locations at the site. The grid-based locations have sampling points based on a 100 foot x 100 foot grid network and are meant to evaluate the overall distribution of VOCs in soil gas and VOCs, metals, and total petroleum hydrocarbons in soil throughout the site. In addition to the grid-based sampling locations, an additional eight biased boring locations were installed to investigate areas where VOCs or other hazardous substances were historically detected during prior investigations at the site.

Soil gas probes were installed at the bottom of each of the 36 boring locations. The installation depth of the soil gas probes varied and was dependent on the depth of the proposed subterranean parking slabs and/or building foundations. In accordance with the DTSC guidance, the soil gas probes were installed in soil types that appeared the most permeable and conducive to the collection of soil gas. Therefore, at the discretion of the field geologist, the installation of some of the probes was shallower (e.g., 17.5 feet versus 20.5 feet) due to the predominance of clay which was observed in some of the borings at their total depth. In boring location LB1 and due to uncertainty regarding the clay content at 20.5 feet bgs, two soil gas probes were installed with one at a depth of 15 feet bgs and the other at 20.5 feet bgs. Table 1 provides summary information regarding each of the borings and includes the boring ID number, date of sampling, soil sampling depths, boring location, rationale for sampling, and the installation depth for the soil gas probes. The depths of the soil sample intervals differ in the northwest portion of the site, within former Buildings 11 through 13 footprints, because this area is approximately 3.5 feet higher in elevation than the adjoining Building 14 area. Therefore, a soil sample collected from a depth of 1 foot bgs from the Building 14 footprint area would correlate to a depth of approximately 4.5 feet bgs in borings drilled to the northwest of Building 14.

Figure 2 shows the proposed soil/soil gas boring locations. The total depth of the five grid-based borings drilled in the former Building 14 footprint area (borings A-12, B-12, A-13, B-13, and B-14) was 17 feet bgs, which is approximately 5 feet below the anticipated 12 foot bgs base of the subterranean parking garage. Grid-based boring B-15, which is located in the southeastern-most portion of the former Building 14 footprint area, was drilled to a total depth of 5 feet bgs because it is located in a future park or landscaped area. The total depth of the four grid-based borings (i.e., borings A-9, A-10, B-9, B-10) drilled in the area of the two-level subterranean garages is approximately 30.5 feet bgs, which is approximately 5 feet below the anticipated 25.5 feet bgs base of the parking garage. With the remaining 18 grid-based borings (i.e., borings A-1, A-2, A-3, A-4, A-5, A-6, A-7, A-8, B-1, B-2, B-3, B-4, B-5, B-6, B-7, B-8, A-11, and B-11) northwest of the Building 14 footprint, the total depth of the borings was 20.5 feet bgs which is approximately 5 feet below the anticipated 15.5 feet bgs base of the single-level parking garage. For the biased soil gas probes, probes LB1 through LB5 were installed at a depth of 20.5 feet bgs and probes LB6 through LB8 were installed at a depth of 17 feet bgs.

At each of the boring locations, soil samples were collected at a depth of 1 foot below grade and at approximate 5-foot intervals afterwards to the total depth the boring. The soil sampling depths collected at each soil boring are also summarized in Table 1. Duplicate soil and soil gas samples were collected and submitted for analysis for each 20 samples that were collected. The duplicates are designated with either "D" (for soil samples) or "REP" (for soil gas samples) on the chain of custody and in the final laboratory report.

Drilling refusal, due to the presence of cobbles, gravels or generally coarse fill material was encountered directly beneath the slab when shallow hand augering was attempted to clear borings for potential utilities. To address the drilling refusal issue, all soil sampling was conducted using direct-push drilling technology and hand augering was discontinued. No utilities or subsurface structures were encountered during drilling.

For boring A5, drilling refusal was encountered at a depth of approximately 10 feet bgs. In accordance with our work plan, the field geologist modified the drilling location and relocated it to a distance approximately 4 feet to the southwest of boring location A5. The boring was re-designated as boring A5B and no drilling

refusal was encountered during the advancement of this boring. Drilling refusal was not encountered in any of the other borings.

Soil cuttings were monitored for VOCs using a properly calibrated photoionization detector (PID). To observe for physical evidence of potential hazardous substance and/or petroleum product contamination (e.g., PID response, discoloration, unusual odors, if observed), the soil in the boreholes was continually cored so that the cored intervals could be observed and logged. As noted above and on Table 1, prior to installing the soil gas probes, some vertical adjustments were made so that the probes were installed into the most permeable intervals (as required in the DTSC Advisory, July 2015). For the vapor probes installed at locations B6 and B7, the laboratory field technician was not able to obtain a soil gas sample because it appeared the probes had been installed in clay-rich soil with insufficient permeability to allow for the collection of a sample.

Soils observed during drilling were classified in accordance with the Unified Soil Classification System (USCS). A log of boring was prepared in the field for each soil boring.

Soil Gas Probe Design and Sampling Procedures - Soil gas probes were installed at the total depth of the boring in accordance with the DTSC's Advisory, Active Soil Gas Investigations, dated July 2015. A diagram of the soil gas probe design, obtained from the DTSC Advisory, is present in Appendix B. The soil gas probes consisted of inert 1/4-inch Nylaflow tubing fitted with a porous airstone at the terminus, which was set within one foot of sand pack, one foot of dry bentonite above, followed by hydrated bentonite. The bentonite was hydrated at the surface in a container and then slowly poured or pumped into the borehole. For the probes installed at depths deeper than 15 feet, a tremie pipe was used to place the hydrated bentonite. The surface end of the probes was fitted with a gas-tight Luer-lock to prevent infiltration of water or air.

A tracer gas n-pentane, was applied by the laboratory technician with Jones Environmental, Inc. (Jones) (mobile analytical laboratory) to the soil gas probes at each point of connection in which ambient air could enter the sampling system. These points include the top of the sampling probe where the tubing meets the probe connection and the surface bentonite seals. No n-pentane was detected in any of the soil gas samples analyzed by Jones.

At each sampling location, an electric vacuum pump (set to draw 0.200 liters/min of soil gas at a maximum vacuum of 100-inch of water) or dedicated disposable syringe was attached to the probe for purging. In accordance with the July 2015 DTSC Advisory, a default three purge volumes were used by Jones prior to sampling of the soil gas probes. The soil gas sample was collected from the Luer-lock connection into a laboratory-provided, pre-cleaned soil gas 100 milliliter (ml) gas tight glass syringes and analyzed by Jones directly after sampling using their onsite mobile analytical laboratory.

4.3 Task 3 – Analytical Testing

4.3.1 Soil Gas Samples

A mobile analytical laboratory (Jones Environmental Inc., Santa Fe Springs, CA) was onsite on May 6, 2016 for collection and analysis of the soil gas samples. Soil gas samples collected from the probes were immediately injected into the onsite mobile laboratory gas chromatograph/purge and trap system using a pre-cleaned glass syringe. Soil gas samples, including the duplicates, were analyzed for the tracer gas and VOCs by modified EPA Method 8260B with a laboratory reporting limit at or below residential screening level of 1.0 microgram per liter (µg/L) or less.

4.3.2 Soil Samples

Soil samples intended to be analyzed for VOCs were collected using EPA Method 5035 (e.g., using Lock 'n Load™ 5035 syringes) and analyzed by Jones at their Santa Fe Springs stationary laboratory using EPA Method 8260B. In addition, the soil samples were tested by Jones for Total Petroleum Hydrocarbons-Carbon Chain (TPH-CC; C10 through C28 for diesel and C29-C32 for oil) using EPA Method 8015M. The soil samples were also tested for gasoline range organics and fuel oxygenates by Jones using EPA method 8260B.

Soil samples were also analyzed by Jones Environmental, Inc. for the 17 metals listed in the California Code of Regulations, Title 22, Article 11 (CAM-17 metals). In soil samples where CAM-17 metals were detected at

concentrations in excess of 10 times their Soluble Threshold Limit Concentration (STLC), the soil samples were also analyzed using the California Waste Extraction Test (CA WET). After transport under proper chain-of-custody by a courier from Jones, the CA WET analyses were performed by SunStar Laboratories, Inc. (Lake Forest, CA). If the metal chromium was detected at a concentration exceeding 10 times its 5 mg/L STLC (i.e., 50 mg/kg), it was also analyzed for both the CA WET - Total Chromium using EPA Method 6010 and for Hexavalent Chromium using EPA Method 7199.

4.4 Task 4 - Equipment Decontamination Procedures, Backfilling of Borings, and Soil Gas Probe Abandonment

Before and between sample points, reusable soil sampling and drilling equipment were first washed in a 5-gallon bucket filled with tap water and Alconox or a non-phosphate detergent, followed by a tap water rinse, and finally, a distilled water rinse.

Investigation-derived wastes (IDW) including soil cuttings from boreholes, decontamination fluids, and disposable protective clothing and supplies are stored onsite in separate Department of Transportation (DOT) approved 55-gallon drums. Leighton has submitted the soil sample analytical test results to American Integrated Services (AIS) (Wilmington, CA), a licensed waste hauler. Upon review of an estimate for drum disposal by AIS, the drummed materials will be transported offsite for disposal, as appropriate. If additional analytical tests for sample profiling are required by AIS, SJ4 will be notified. Manifests documenting the proper transport and disposal of IDW will be provided in the project report.

Upon completion of sampling, the tubing for all temporary soil gas probes was pulled from the ground, the open hole was filled with cement grout to within 1 foot of the surface grade, and the concrete slab (if present) was patched with a concrete mix.

5.0 INVESTIGATIVE RESULTS

The findings from the soil gas survey and the soil investigation are presented in the following sections.

5.1 Physical Observations

Logs of boring were prepared for each probe location and included USCS soil descriptions, PID measurements for VOCs, presence of soil discoloration and/or unusual odors (if observed), and other physical observations. The logs of boring are presented in Appendix C, and photographs of select cored soil intervals are presented in Appendix D.

Generally, the upper 8.5 feet of soil encountered beneath the slabs across the site consisted of silty sand or sandy silt, and in some instances containing varied amounts of clay. From 8.5 feet bgs to 14.5 feet bgs, silty sand, poorly graded sand, poorly graded sand with gravel, sandy silt, or silt was encountered. Beneath 14.5 feet bgs and where present, clay content generally increased with depth from roughly 17 feet to 20.5 feet bgs. When clay content was not observed in soils between 14.5 feet and 20.5 feet, silt, silty sand, and sandy silt was observed. Four borings were advanced to 30.5 feet bgs (i.e., borings A9, A10, B9, and B10); between 20.5 feet and 30.5 feet bgs, poorly graded sand or silty sand was observed. No groundwater was encountered during drilling activities.

PID measurements for VOCs collected from the soil during drilling and installation of the soil gas probes ranged from 0.0 part per million (ppm) equivalents to 3.5 ppm equivalents. PID measurements did not exceed 0.0 ppm equivalents (i.e., background) in borings B5, B8, B11, B12, B14, B15, LB1, LB2, LB5, and LB6. Unusual odors emanating from soil intervals/cuttings during sample preparation were not noted; however, a PID response of 13.0 ppm equivalents was measured during drilling at A6 between 1.5 feet and 2.5 feet bgs when a solvent-like odor was detected near the borehole. Discolored soils were observed at the following locations and depths:

- In boring A6, dark red-colored soil was encountered in layers at 4.5 feet bgs in the silt interval;

- In boring A7, dark gray to black-colored soil was encountered in the silt interval at 3.5 feet bgs; and
- In boring B15, dark red-colored soil was encountered in the silty sand interval at 4 feet bgs.

As noted above, drilling refusal was encountered on an unknown subsurface obstruction in boring A5 at 10 feet bgs. A step-out boring location, designated as boring A5B, was advanced approximately 4 feet to the southwest of A5 and was completed to the total depth of 20.5 feet bgs. In accordance with DTSC guidance (Advisory, July 2015) and our workplan, where clay-rich soils were encountered, soil gas probes were installed in more permeable soil intervals either above or below the clay-rich soil horizon in order to collect a complete soil gas sample volume. Table 1 presents the locations and depths of installation of the soil gas probes for each location. Collection of soil gas samples from the probes B1 at 16 feet bgs, B6 at 20.5 feet bgs, and B7 and 20.5 feet bgs was not achieved because of the apparent presence of clay-rich soils at these intervals, preventing the collection of a complete soil gas sample volume. The analytical laboratory report prepared by Jones designated the soil gas probe boring locations where no soil gas sample was possible as “No Flow”.

5.2 Soil Gas Survey

5.2.1 Analytical Test Results for Soil Gas Samples

The laboratory reports and chain-of-custody documentation from the soil gas sample analysis are presented in Appendix E. Table 2 summarizes the analytical test results for the soil gas samples. Targeted Cleanup Levels for Soil Gas utilized by the RWQCB to issue closure in 2002 are depth-specific and are presented in the bottom portions of Table 2. The Targeted Cleanup Levels for Soil Gas were developed to be protective for groundwater.

As noted above and as presented in Table 1, the soil gas samples were collected at multiple depths based on the approximate foundation depth of the subterranean parking structure. Due to the predominance of what was interpreted to be clay-rich soils, we were not able to obtain soil gas samples from probe locations B1, B6, and B7. A total of 37 soil gas samples, including two duplicates, were analyzed for VOCs. Duplicate soil

gas samples were collected for A13-17' and B10-30.5' and were designated with as A13-17' REP and B10-30.5' REP.

Multiple VOCs were detected in the soil gas samples and are presented in Table 2. The predominant VOCs (VOCs present in more than 50% of the 37 samples) detected in the soil gas samples included PCE, TCE, 1,1,1-trichloroethane (1,1,1-TCA), dichlorodifluoromethane (DCFM), toluene and total xylenes.

For comparison purposes with prior studies, Leighton prepared colorized iso-concentration maps for PCE, TCE, and 1,1,1-TCA for the shallow soil gas samples. The VOCs detected in the deeper soil gas samples (i.e., A9, A10, B9, B10) that were collected at a depth of 30.5 feet bgs were not integrated into the colorized concentration maps. Therefore, the iso-concentration maps are representative of the VOC concentrations that would be present beneath the slab of the first level of subterranean parking level. It should be emphasized that variation in the soil types as well as soil gas sample depths could affect the concentrations represented on the maps. The concentrations and areal distribution of PCE, TCE, and 1,1,1-TCA in soil gas are summarized below and also depicted in the isoconcentration maps presented in Figure 3, Figure 4, and Figure 5, respectively. The soil gas samples in Figures 3, 4, and 5 were collected at depths ranging from 17.5 feet bgs to 20.5 feet bgs and represent the approximate base of the proposed first level subterranean parking structure. PCE, TCE and 1,1,1-TCA soil gas sampling data from grid locations A9, A10, B9, and B10 was excluded from Figures 3, 4, and 5 because the soil gas samples were collected at 30.5 feet bgs (i.e., from beneath the proposed second level of parking). Similarly, PCE, TCE, and 1,1,1-TCA soil gas data from grid location B15 was excluded because the soil gas sample was collected at a depth of 5 feet bgs (i.e., future green or park area).

5.2.1.1 Distribution of PCE

Figure 3 is an isoconcentration map that presents the PCE concentrations in micrograms per cubic meter ($\mu\text{g}/\text{m}^3$) for shallow soil gas samples that were collected and analyzed at the site on May 6, 2016. PCE was detected in all 37 soil gas samples (including the four deep 30.5 feet bgs) samples at concentrations

ranging from 143 ug/m³ to 10,600,000 ug/m³ (sample LB3-20'). The Targeted Cleanup Levels for PCE of 55,000 ug/m³ was established for depths between 20 to 30 feet bgs and was exceeded in nine of 37 soil gas samples. In general, the concentrations of PCE detected suggest that significant rebound has occurred has occurred in the area that was previously remediated by HGC using a Vapor Extraction System (VES). The most elevated PCE concentration in soil gas (sample LB 3-20' at 10,600,000 ug/m³) is located in the central portion of the previously remediated VOC plume.

5.2.1.2 Distribution of TCE

Figure 4 shows the distribution of TCE in shallow soil gas samples from across the site. TCE was detected in 36 of 37 soil gas samples (including the four deep 30.5 feet bgs) at concentrations ranging from 17 ug/m³ to 40,500 ug/m³ (A7-20.5'). The Targeted Cleanup Levels for TCE of 20,000 ug/m³ was established for depths between 20 to 30 feet bgs and was exceeded in only 1 of 37 soil gas samples (A7-20.5'). TCE in soil gas is distributed across the site in a similar manner to PCE, though TCE concentrations are generally lower by comparison and have a slightly more southeastern lateral distribution.

5.2.1.3 Distribution of 1,1,1-TCA

Figure 5 shows the distribution of 1,1,1-TCA in shallow soil gas samples from across the site. 1,1,1-TCA was detected in 23 of 37 soil gas samples (including the four deep 30.5 feet bgs) at concentrations ranging from 8.0 ug/m³ to 6,060 ug/m³ (sample A13-17'). The most elevated 1,1,1-TCA concentrations in soil gas are primarily distributed in the southeastern-most portion of the site in the area where 1,1,1-TCA was previously remediated by HEC using a VES system. The Targeted Cleanup Level for 1,1,1-TCA of 295,000 ug/m³ was established for depths between 20 to 30 feet bgs and was not exceeded in any of the 37 soil gas samples.

5.2.1.4 Other VOCs

The following is a list of the remaining VOCs detected in soil gas samples that exceeded their respective detection limits:

- Benzene was detected in 12 of 37 soil gas samples at concentrations ranging from 13.4 ug/m³ to 124 ug/m³ (sample B3-17').
- N-Butylbenzene was detected in 3 of 37 soil gas samples at concentrations ranging from 11 ug/m³ to 24.8 ug/m³ (sample B9-30.5').
- Chlorobenzene was detected in 1 soil gas sample at 9.0 ug/m³ (sample A5-20.5').
- Chloroform was detected in 12 of 37 soil gas samples at concentrations ranging from 14.2 ug/m³ to 121 ug/m³.
- Dichlorodifluoromethane (DCFM) was detected in 34 of 37 soil gas samples at concentrations ranging from 8.2 ug/m³ to 3,060 ug/m³ (sample B8-20.5').
- 1,1-Dichloroethane (1,1-DCA) was detected in 2 of 37 soil gas samples at concentrations ranging from 20.2 ug/m³ to 21.2 ug/m³ (sample B9-30.5').
- 1,1-DCE was detected in 12 of 37 soil gas samples at concentrations ranging from 67.2 ug/m³ to 937 ug/m³ (sample LB8-17').
- Cis-1,2-DCE was detected in 1 of 37 soil gas samples at a concentration of 21.6 ug/m³ (sample A7-20.5').
- Ethylbenzene was detected in 13 of 37 soil gas samples at concentrations ranging from 17.8 ug/m³ to 335 ug/m³ (sample B-17').
- Freon 113 was detected in 15 of 37 soil gas samples at concentrations ranging from 53.2 ug/m³ to 390 ug/m³ (sample B8-20.5').

- 4-isopropyltoluene was detected in 13 of 37 soil gas samples at concentrations ranging from 8.6 ug/m³ to 4,050 ug/m³ (sample B3-17).
- N-Propylbenzene was detected in 3 of 37 soil gas samples at concentrations ranging from 16.2 ug/m³ to 67.6 ug/m³ (sample B3-17').
- 1,1,1,2-Tetrachloroethane was detected in 6 of 37 soil gas samples at concentrations ranging from 10.6 ug/m³ to 847 ug/m³ (sample A5-20.5').
- Toluene was detected in 30 of 37 soil gas samples at concentrations ranging from 9.4 ug/m³ to 1,290 ug/m³ (sample B3-17').
- Trichlorofluoromethane (TCFM) was detected in 2 soil of 37 gas samples at concentrations ranging from 10.8 ug/m³ to 29.4 ug/m³ (sample A7-20.5').
- 1,2,4-Trimethylbenzene was detected in 13 of 37 soil gas samples at concentrations ranging from 10.6 ug/m³ to 619 ug/m³ (sample B3-17').
- 1,3,5-Trimethylbenzene was detected in 6 of 37 soil gas samples at concentrations ranging from 20.4 ug/m³ to 177 ug/m³ (sample B3-17').
- Xylenes were detected in 20 of 37 soil gas samples at concentrations ranging from 8.0 ug/m³ to 1,850 ug/m³ (sample B3-17').

None of the above-listed other VOCs detected at the site had Targeted Cleanup Levels for Soil Gas that were established with the RWQCB.

5.3 Soil Investigation

As discussed, soil samples were collected at approximately 5 foot intervals starting at a depth of approximately 1 foot below the former building slab. A total

of 187 soil samples, of which 9 were duplicates, were collected and analyzed as part of the soil investigation. Discussion related to the analytical test results will describe VOCs, TPH-CC and the CAM-17 metals in consecutive order.

5.3.1 VOCs

VOCs detected in the soil samples included PCE, TCE, 1,1,1-TCA, benzene, cis-1,2-DCE, trans-1,2-DCE, ethylbenzene, and toluene. The laboratory reports and chain-of-custody documentation from the soil sample analyses are presented in Appendix F. Table 3 and Figure 6 summarize the analytical test results for VOCs detected in the soil samples. A summary of the results is provided below.

- PCE was detected in 120 of 187 soil samples at concentrations ranging from 1.0 ug/kg to 3,330 ug/kg (sample B4-1'). PCE was the predominant VOC detected in soil samples throughout the site. Eleven of the 120 PCE detections exceeded multiple HGC *Phase 2 Targeted Soil Cleanup Levels* (06/26/2000) established for PCE in soil at varying depths ranging from 1 foot bgs to 20.5 feet bgs. Two of the soil samples collected from 20.5 feet bgs (samples A5B-20.5' and B4-20.5') contained PCE in soil exceeding the 48 ug/kg *HGC Phase 2 Targeted Soil Cleanup Level* established for that depth interval.
- TCE was detected in 19 of 187 soil samples at concentrations ranging from 1.0 ug/kg to 4,800 ug/kg (sample A7-3.5'). After PCE, TCE was the second most prevalent VOC detected in soil. Two of the 19 PCE detections exceeded the 78 ug/kg *HGC Phase 2 Targeted Soil Cleanup Level* established for TCE in soil at depths ranging from 1 foot bgs to 10 feet bgs.
- 1,1,1-TCA was detected in two of 187 soil samples at concentrations ranging from 4.1 ug/kg (sample LB*-5') to 20.9 ug/kg (sample LB8-1'). None of the two 1,1,1-TCA detections exceeded the 3,112 ug/kg *HGC Phase 2 Targeted Soil Cleanup Level* established for 1,1,1-TCA in soil at depths ranging from 1 foot bgs to 10 feet bgs.
- Benzene was detected in 2 of 187 soil samples at concentrations ranging from 1.7 micrograms per kilogram (ug/kg) to 4.3 ug/kg (soil sample B8-1'). There is no *Phase 2 Targeted Soil Cleanup Level*

established for benzene. Cis-1,2-DCE was detected in 1 of 187 soil samples at a concentration of 5.0 ug/kg (sample B4-1). There is no *Phase 2 Targeted Soil Cleanup Level* established for cis-1,2-DCE.

- Trans-1,2-DCE was detected in 1 of 187 soil samples at a concentration of 2.3 ug/kg (sample B4-1). There is no *Phase 2 Targeted Soil Cleanup Level* established for trans-1,2-DCE.
- Ethylbenzene was detected in 1 of 187 soil samples at a concentration of 3.0 ug/kg (sample B15-5'). There is no *Phase 2 Targeted Soil Cleanup Level* established for ethylbenzene.
- Toluene was detected in 1 of 187 soil samples at a concentration of 1.8 ug/kg (sample B15-5'). There is no *Phase 2 Targeted Soil Cleanup Level* established for toluene.

VOCs that were not listed above were not detected above their respective laboratory Practical Quantitation Limits (PQLs). In addition, no gasoline range organics or fuel oxygenates were detected in any of the 187 soil samples.

5.3.2 TPH Carbon Chain

All 187 soil samples were analyzed for TPH Carbon Chain (TPH-CC) which included Diesel Range Organics (DRO) and Oil Range Organics (ORO). The laboratory reports and chain-of-custody documentation from the soil sample analyses are presented in Appendix F. Table 4 summarizes the analytical test results for TPH-CC detections in the soil samples. As can be discerned upon review of Table 4, a total of five soil samples were affected by DRO and/or ORO.

DRO were detected in 5 of 187 soil samples at concentrations ranging from 21.8 mg/kg to 241 mg/kg (soil sample A5B-1'). Four of the five soil samples where DRO was detected were collected from a depth of 1 foot bgs and the other was at 3.5 feet bgs.

ORO were detected in 4 of the 187 soil samples at concentrations ranging from 42.1 mg/kg to 356 mg/kg (sample LB6-1'). ORO were detected in four of the five soil samples where DRO were detected.

5.3.3 CAM-17 Metals

All 187 soil samples were analyzed for CAM-17 Metals. The laboratory reports and chain-of-custody documentation from the soil sample analyses are presented in Appendix F. Table 5 summarizes the analytical test results for CAM-17 Metals in the soil samples. As discussed, since most of the soil beneath the site will be excavated to allow for the construction of the subterranean parking structure, the primary purpose of the analytical testing was to evaluate the classification of the soil prior to its off-site transport and disposal and to estimate the resulting costs.

Metals Exceeding the CA TTLC:

Soil samples that exceeded their California Total Threshold Limit Concentration (TTLC) require management as a California hazardous waste and are designated with a superscript 2 (e.g., 6,060² for soil sample A5B-1') in Table 5. The TTLC for each CAM-17 Metal is listed on the last page of Table 5. The metals which had concentrations exceeding their TTLC are also summarized below:

Total Lead - Soil sample A7-3.5' contained 1,110 mg/kg total lead which exceeds its TTLC of 1,000 mg/kg.

Copper - Soil sample A7-3.5' contain 6,740 mg/kg copper which exceeds its TTLC of 2,500 mg/kg.

Zinc - Soil samples:

- A5B-1' contained 6,040 mg/kg
- A6-4.5' contained 6,260 mg/kg
- A6-20.5' contained 6,660 mg/kg
- A6-20.5'D contained 7,050 mg/kg
- A7-3.5' contained 6,920 mg/kg

The five above-listed soil samples, which include a duplicate soil sample, exceeded the TTLC of 5,000 mg/kg established for zinc and therefore, require management as a California hazardous waste.

Metals Analyzed Using the CA WET and Exceeding Their STLC:

Soil samples were analyzed using the CA WET if their CAM-17 metal concentrations exceeded 10 times their respective CA STLC but were less

than their TTLC. After performing CA WET, soil samples containing soluble CAM-17 metals that exceed their respective CA STLC require management as a California hazardous waste. The metal concentrations for soil samples that were analyzed for the CA WET are designated with a superscript 1 in Table 5 (e.g., 1,980¹ for copper for soil sample A3-1'). The information below and on Table 6 summarize the results of CA WET analysis:

Chromium - Five soil samples exceeded 50 mg/kg chromium and were analyzed using the CA WET. None of the five soil samples exceeded the 5.0 mg/L CA STLC established for chromium and therefore are not required to be managed as a California hazardous waste.

Total Lead - Five soil samples exceeded 50 mg/kg total lead and were analyzed using the CA WET. Four of the five soil samples (i.e., A5B-1', A6-4.5, A6-8.5', and A7-8.5') exceeded the 5 mg/L CA STLC established for total lead and therefore, should be managed as California hazardous waste.

Copper - Three soil samples exceeded 250 mg/kg copper and were analyzed using the CA WET. Two of the three soil samples (i.e., A3-1' and A7-8.5') exceeded the 25 mg/L CA STLC established for copper and therefore, should be managed as California hazardous waste.

Zinc - Two soil samples exceeded 2,500 mg/kg zinc and were analyzed using the CA WET. None of the two soil samples exceeded the 250 mg/kg CA STLC established for zinc and therefore, are not required to be managed as a California hazardous waste.

Figure 7 has been prepared to summarize the distribution of metals detected in soil samples collected from the site that exceed California hazardous waste criteria. The lateral area where metal-affected soil potentially exceeds California hazardous waste criteria is approximately 600 feet northwest to southeast by approximately 200 feet southwest to northeast. This area should be considered a rough estimate of the affected areas dimensions and is based on known grid or biased soil sampling locations which did not have metals exceeding California hazardous waste criteria. More localized soil sampling (e.g., stepout soil

borings drilled at distances between the 100 foot X 100 foot spacing of the grid samples) conducted in this area in the future will better define the lateral and vertical extent of soils affected by the elevated metals. In general and based on the depth of soil samples that do not contain metals at concentrations requiring management as a California hazardous waste, the estimated volume of soil potentially requiring management as California hazardous waste is roughly 52,500 tons. This rough estimate is based on the area and known depths of metal-affected soil as depicted on Figure 8. This estimate also assumes that the excavation activities for soil requiring management as California hazardous waste will not exceed the depth of the base of the subterranean parking structure foundation. Review the zinc data from boring A7 (Figure 7) reveals that California hazardous waste is present at least to a depth of 20.5 feet bgs which is beneath the proposed subterranean parking garage foundation.

Hexavalent Chromium - In accordance with our work plan, the five soil samples which exceeded 50 mg/kg for total chromium were also analyzed for hexavalent chromium using EPA method 7199. The concentrations of hexavalent chromium detected in the five soil samples are as follows:

<u>Soil Sample ID #</u>	<u>Hexavalent Chromium (mg/kg)</u>
A6-4.5'	1.1
A6-8.5'	2.8
A6-14.5'	1.5
A6-20.5	3.3
B14-1'	0.19

None of the hexavalent chromium detections listed above exceeded the 500 mg/kg TTLC and therefore, based solely on the chromium levels detected, excavated soil from these locations will not require management as California hazardous waste.

5.4 Quality Assurance/Quality Control

To ensure that the extent of affected soil gas and soil present at the site is properly evaluated, quality assurance/quality control (QA/QC) measures were taken by Leighton personnel to produce samples of the highest integrity for

submittal to Jones Environmental, Inc. and SunStar Laboratories, Inc. The following measures were employed:

- Stringent procedures for proper soil gas and soil sampling and equipment decontamination;
- Collection and submittal of 10% of all samples as duplicates; and
- Adherence to strict chain-of-custody protocol during storage and transfer of samples to the analytical laboratory.

QA/QC practices conducted by the analytical laboratories used for this project are described in the formal analytical reports presented in Appendix E (soil gas sample analyses) in Appendix F (soil sample analyses).

6.0 CONCLUSIONS

The soil gas survey and soil investigation detailed in this report were performed to evaluate and more fully characterize the presence of hazardous substances and/or petroleum products in the vadose zone at the site.

Soil Gas Survey - The soil gas survey included the collection and analysis of multiple soil gas samples in a grid network and from eight biased locations where VOCs were historically discovered during past environmental investigations. The most elevated concentrations of chlorinated VOCs, primarily PCE, TCE, and 1,1,1-TCA, were detected in areas where Vapor Extraction Systems (VES) were utilized in the 1990s to remediate VOCs beneath the site. The VES remedial activities were performed by Hydro Geo Chem, Inc. on behalf of Zero. On June 30, 2002, the RWQCB issued a Certificate of Completion to APW North America, Inc. (formerly known as Zero Corporation) for the site pursuant to California Health & Safety Code Section 25264, finding among other things that the site investigation and remediation at the site had been satisfactorily completed and a permanent remedy had been accomplished and that applicable remedial standards and objectives were achieved. However, the results of Leighton's May 2016 soil gas investigation revealed that significant rebound by PCE, TCE, and 1,1,1-TCA has occurred in the central and southeastern portions of the site at levels similar to those previously investigated and remediated. Nine of 37 soil gas samples exceeded the Targeted Cleanup Level for Soil Gas for PCE at a depth between 20 to 30 feet bgs. Only 1 of 37 soil gas samples exceeded the Targeted Cleanup Level for Soil for TCE at a depth between 20 to 30 feet bgs. None of the 37 soil gas samples contained 1,1,1-TCA at concentrations exceeding the Targeted Cleanup Level for Soil Gas.

While the soil vapor levels would likely require vapor intrusion mitigation measures, the site improvements proposed by SJ4 include the installation of a single and two-level subterranean parking structure which will underlie the footprint of the residential apartments, hotel, and commercial businesses planned at the site. The subterranean parking structure planned by SJ4 should mitigate the potential for vapor intrusion by VOCs into the occupied areas of the proposed development. The fact that parking structures are required to have ventilation systems to mitigate VOCs emanating from vehicle exhaust could provide a benefit by mitigating the chlorinated VOCs originating from past land uses; however, the performance of a Human Health Risk Assessment (HHRA) would be required to fully evaluate this potential.

Soil Investigation

VOCs - Low concentrations of VOCs were detected in most of the 187 soil samples collected from the site. The primary VOC detected was PCE and to a lesser degree TCE. The concentrations of PCE and TCE detected in the soil samples did not exceed 50 mg/kg and would be acceptable for disposal as nonhazardous waste at a municipal landfill. The most elevated detections of PCE and TCE were limited to soil samples collected shallower than 3.5 feet bgs.

PCE was detected in 120 of 187 soil samples at concentrations ranging from 1.0 ug/kg to 3,330 ug/kg (sample B4-1'). Eleven of the 120 PCE detections exceeded multiple HGC *Phase 2 Targeted Soil Cleanup Levels* established for PCE in soil at varying depths ranging from 1 foot bgs to 20.5 feet bgs.

TCE was detected in 19 of 187 soil samples at concentrations ranging from 1.0 ug/kg to 4,800 ug/kg (sample A7-3.5'). Two of the 19 PCE detections exceeded the 78 ug/kg HGC *Phase 2 Targeted Soil Cleanup Level* established for TCE in soil at depths ranging from 1 foot bgs to 10 feet bgs.

Soil in some of the boring sampling locations located in the southeastern-most portion of the site (e.g., A11, A12, A13, and B14) did not have detections of VOCs and with the approval of the RWQCB, may be suitable as a source of unrestricted use fill material.

TPH-CC - Low concentrations of TPH diesel range organics (DRO) and oil range organics (ORO) were found in no more than 5 of 187 soil samples. No gasoline range organics or fuel oxygenates were found in any of the soil samples. Based on the low concentrations of TPH-CC detected, soil affected by TPH-CC would be suitable for disposal as nonhazardous waste at a municipal landfill.

CAM-17 Metals - Multiple soil samples collected in the northwest-central portion of the site contained elevated concentrations of total lead, zinc, and copper which when excavated, will require management of the soil as California hazardous waste and possibly federal RCRA waste. Based on the current data set, a rough estimate of approximately 52,000 tons of soil may require disposal as California hazardous waste. This number should be considered conservative; however, the estimate is based on limited data and assumes that no excavation will occur beneath the proposed subterranean parking structure foundation. Further, drilling of step-out soil borings and soil sampling in the future between the 100 foot x 100 foot grid points should result in a

reduction is the volume of soil requiring removal as a California hazardous waste. The source of the CAM-17 metals found in the soil requiring management as California hazardous waste is unknown; however, prior tenants including General Water Heater and Zero Corporation both conducted industrial activities involving metals (e.g. plating activities, galvanizing operations, and metal working activities) at the site. The most elevated zinc, lead and copper concentrations were found in the northwest-central portion of the site which generally coincides with the area where the most elevated VOCs were detected in soil gas. Because many of the metal-affected soils are relatively shallow, some regularly spaced potholing and and/or concrete slab removal activities may be beneficial in better delineating the metal-affected soils and potential source areas.

Hexavalent Chromium - Although total chromium was not found in any of the soil samples at concentrations that would require management as a California hazardous waste, hexavalent chromium was found in soil samples collected from one soil boring at levels above the 2012 soil investigation conducted by Northridge Properties, Inc.

7.0 LIMITATIONS/DISCLOSURE

Services were performed in accordance with Leighton Consulting, Inc.'s agreement and understanding with SJ4 Burbank, LLC, and Manatt, Phelps & Phillips LLP and solely for their use and their designated representatives. Opinions and/or recommendations are intended for use by SJ4 Burbank, LLC, and Manatt, Phelps & Phillips LLP and the purpose, site, location, time frame, and project parameters indicated. Leighton and Associates, Inc. is not responsible for subsequent separation, detachment, or partial use of this document. Any reliance on this report by a third party shall be at such party's sole risk.

This report has been prepared exclusively for SJ4 Burbank, LLC, and Manatt, Phelps & Phillips LLP or its assigns. The information contained herein is only valid as of the date of the report. While the work was intended to describe the soil gas and soil investigation performed at the site, SJ4 Burbank, LLC, and Manatt, Phelps & Phillips LLP or its assigns should recognize that this report is not a comprehensive site characterization and should not be construed as such. The findings as presented in this report are predicated on the results of the soil gas and soil sampling and laboratory analyses performed. In addition, the information obtained is not intended to address potential impacts related to sources other than those specified herein. Therefore, the report should only be deemed conclusive with respect to the information obtained. No guarantee or warranty of the results of the report is implied within the intent of this report or any subsequent reports, correspondence or consultation, either expressed or implied. Leighton strived to perform the services summarized herein in accordance with the local standard of care in the geographic region at the time the services were rendered. Should you have any questions related to the information presented in this report, please contact us.



Project: 11235.001	Eng/Geol:RJF
Scale: 1" = 1,000'	Date: February 2016
Base Map: ESRI ArcGIS Online 2016 Thematic Information: Leighton Author: Leighton Geomatics (asakowicz)	

SITE LOCATION MAP

777 North Front Street
Burbank, California

Figure 1



Leighton

Legend

Approximate Site Boundary

▲

Biased Boring Location

●

Grid-Based Boring Location

◆

Deep Grid-Based Boring Location

Historical VOC Vapor Plumes

Subterranean Garage Footprint (2 levels)

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

Project: 11235.002	Eng/Geol:RJF
Scale:1 " = 150 '	Date: July 2016
Base Map: ESRI ArcGIS Online 2016 Thematic Information: Leighton Author: Leighton Geomatics (asakowicz)	

BORING LOCATION MAP

777 North Front Street
Burbank, California

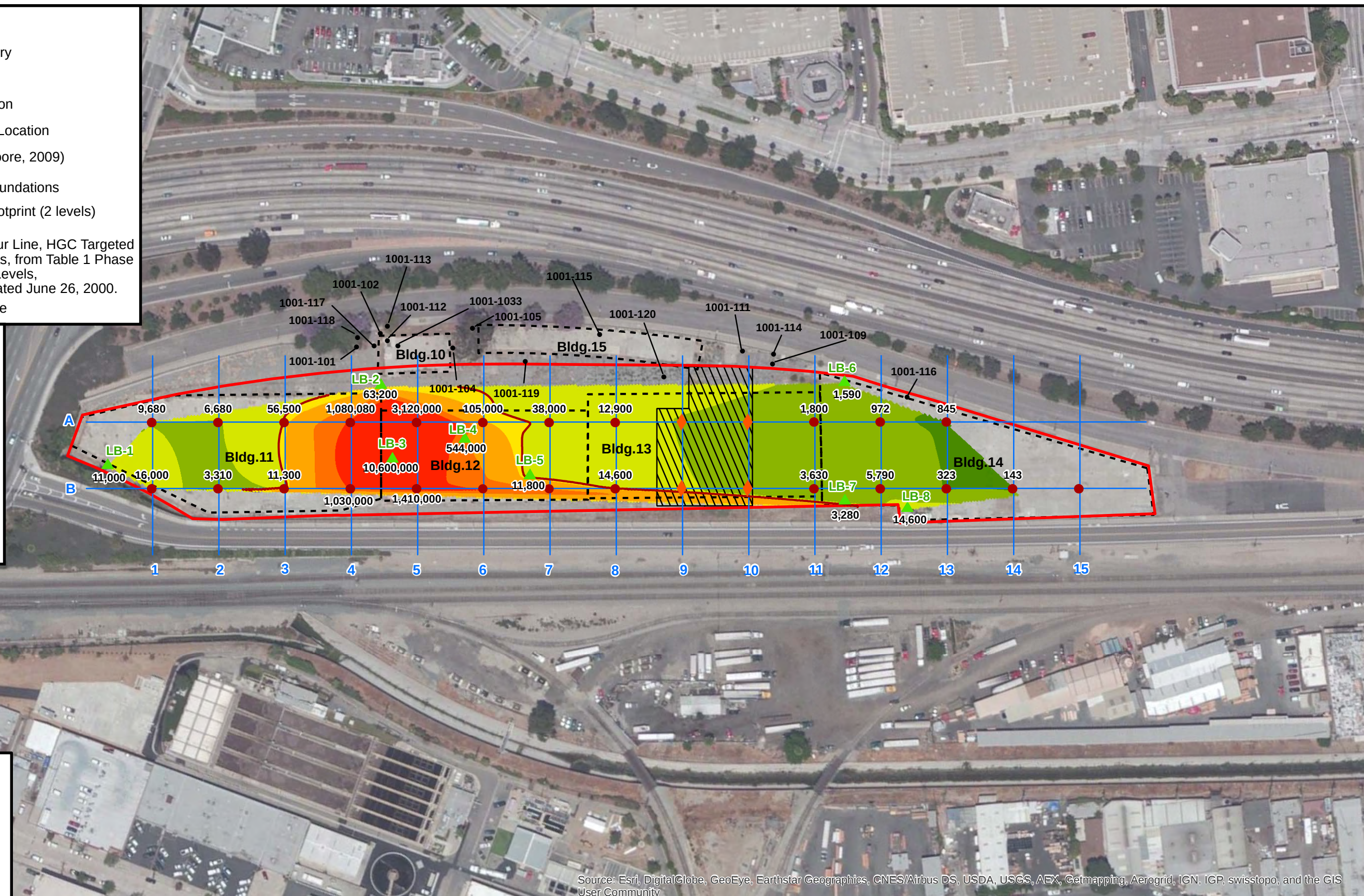
Figure 2

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Legend

-  Approximate Site Boundary
-  Biased Boring Location
-  Grid-Based Boring Location
-  Deep Grid-Based Boring Location
-  Soil/Soil Gas (Ninyo & Moore, 2009)
-  Former Zero Buildings Foundations
-  Subterranean Garage Footprint (2 levels)
-  55,000 ug/m³ PCE Contour Line, HGC Targeted Cleanup Level for Soil Gas, from Table 1 Phase 2 Targeted Soil Cleanup Levels, Hydro Geo Chem, Inc., dated June 26, 2000.
PCE = Tetrachloroethylene

- PCE ug/m³**
- | | |
|--|------------------------|
|  | <146.66 |
|  | 146.67 - 1,000 |
|  | 1,000 - 10,000 |
|  | 10,001 - 55,000 |
|  | 55,001 - 100,000 |
|  | 100,001 - 500,000 |
|  | 500,001 - 1,000,000 |
|  | 1,000,001 - 1,500,000+ |

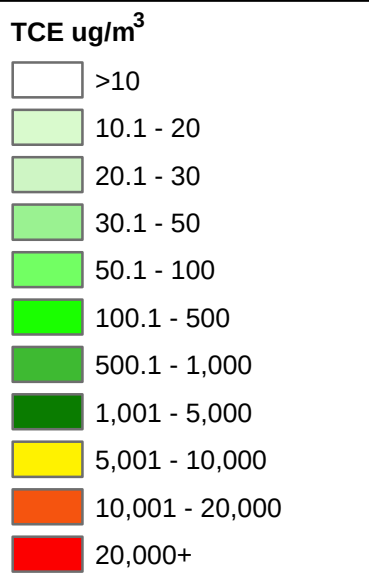
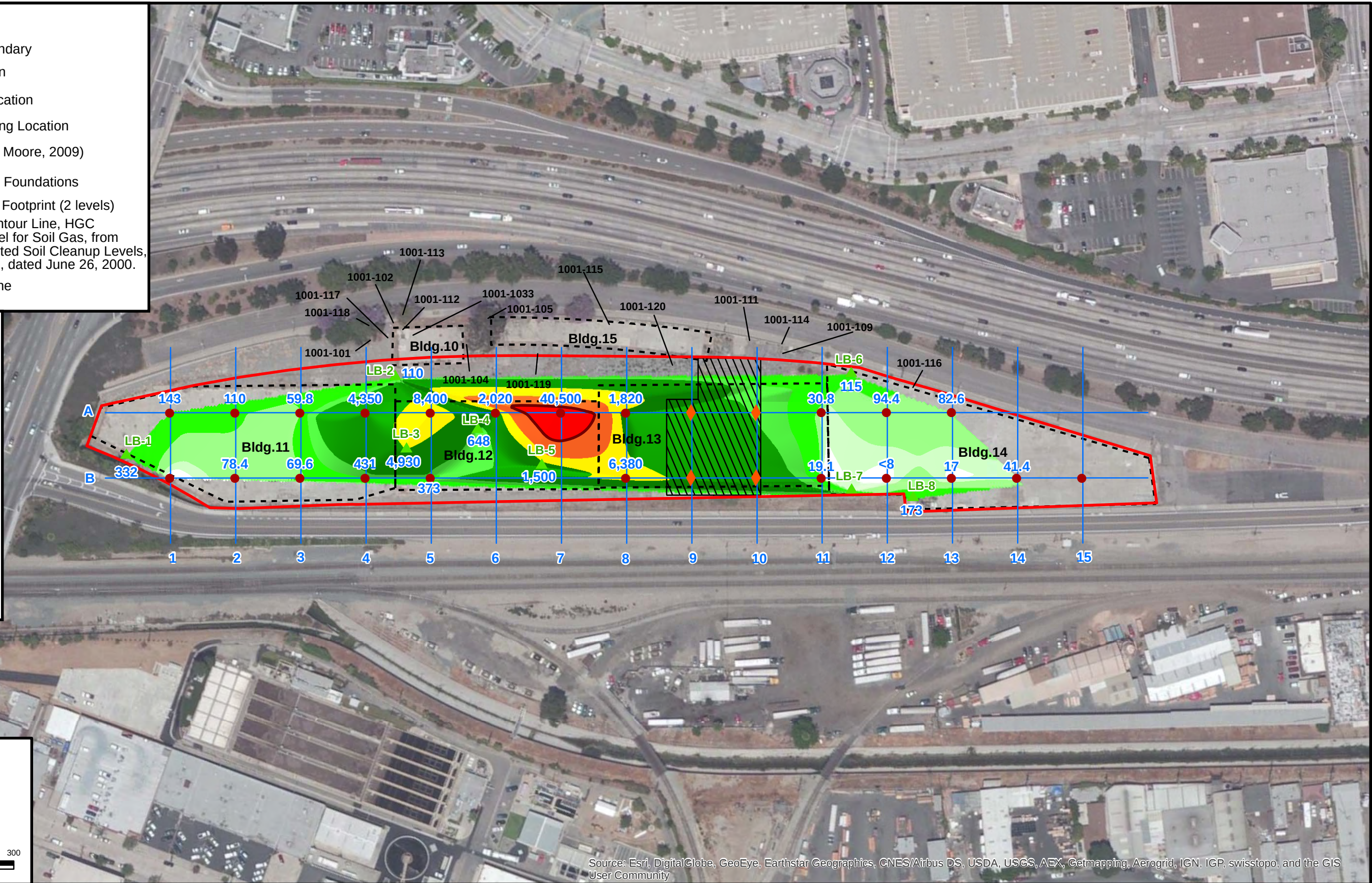


Base Map: ESRI ArcGIS Online 2016
Thematic Information: Leighton
Author: Leighton Geomatics (asakowicz)

Figure 3



- Legend**
- Approximate Site Boundary
 - Biased Boring Location
 - Grid-Based Boring Location
 - Deep Grid-Based Boring Location
 - Soil/Soil Gas (Ninyo & Moore, 2009)
 - Former Zero Buildings Foundations
 - Subterranean Garage Footprint (2 levels)
 - 20,000 ug/m³ TCE Contour Line, HGC
 - Targeted Cleanup Level for Soil Gas, from Table 1 Phase 2 Targeted Soil Cleanup Levels, Hydro Geo Chem, Inc., dated June 26, 2000.
 - TCE = Trichloroethylene



TCE Isoconcentration Map for Soil Gas (ug/m³) - May 6, 2016
Collected from Approximate Depth of Base of Proposed First Level Parking Structure
777 North Front Street
Burbank, California

Figure 4



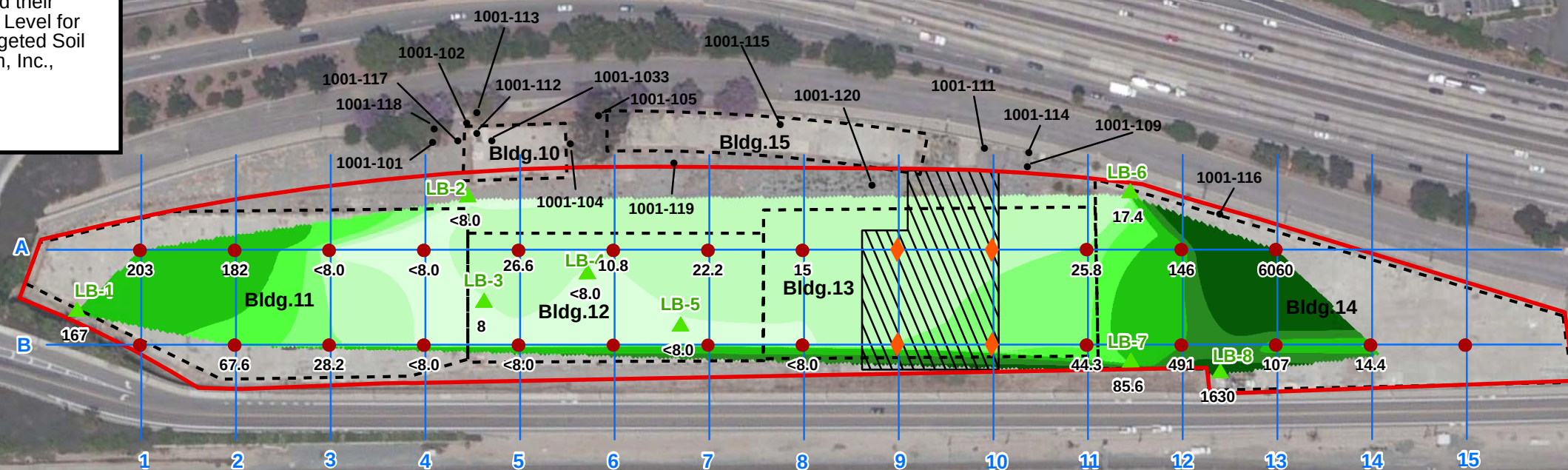
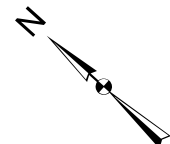
Project: 11235.002	Eng/Geol:RJF
Scale:1" = 150'	Date: July 2016
Base Map: ESRI ArcGIS Online 2016 Thematic Information: Leighton Author: Leighton Geomatics (asakowicz)	

Legend

-  Approximate Site Boundary
-  Biased Boring Location
-  Grid-Based Boring Location
-  Deep Grid-Based Boring Location
-  Soil/Soil Gas (Ninyo & Moore, 2009)
-  Former Zero Buildings Foundations
-  Subterranean Garage Footprint (2 levels)

None of the 1,1,1-TCA concentrations detected in the in soil gas samples exceeded their respective HGC Targeted Cleanup Level for Soil Gas from Table 1 Phase 2 Targeted Soil Cleanup Levels, (Hydro Geo Chem, Inc., June 26, 2000).

1,1,1-TCA = 1,1,1-Trichloroethane



0 150 300
Feet

Scale: 1" = 150'	Date: July 2016
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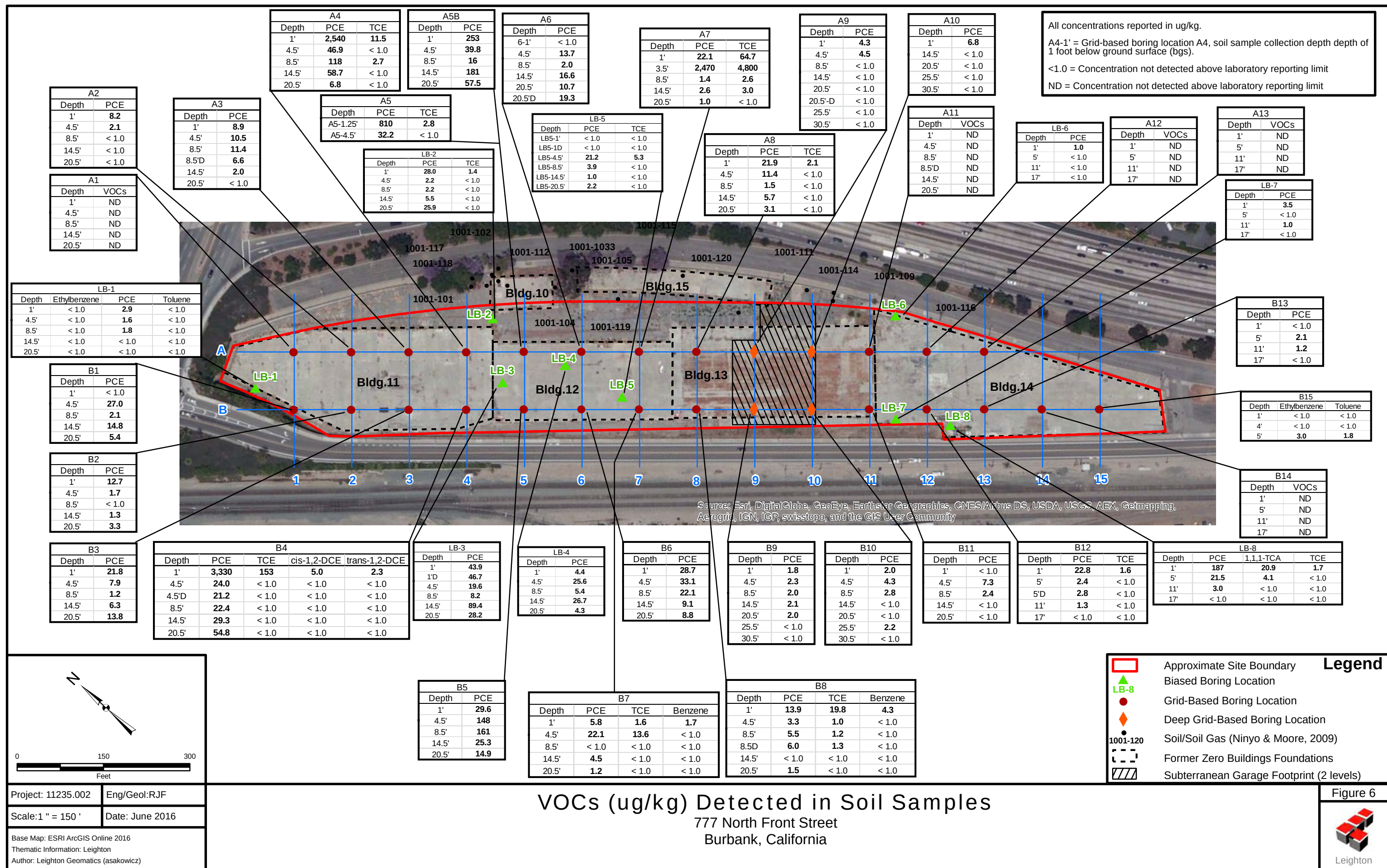
Base Map: ESRI ArcGIS Online 2016
Thematic Information: Leighton
Author: Leighton Geomatics (asakowicz)

1,1,1-TCA Isoconcentration Map for Soil Gas (ug/m³) - May 6, 2016
Collected from Approximate Depth of Base of Proposed First Level Parking Structure
777 North Front Street
Burbank, California

Figure 5



Eighton



Legend

Approximate Site Boundary

▲

Biased Boring Location

LB-8

●

Grid-Based Boring Location

◆

Deep Grid-Based Boring Location

Historical VOC Vapor Plumes

▨

Subterranean Garage Footprint (2 levels)

Interpreted Maximum Lateral Extent of Metal - Affected Soils Which May Require Management as CA Hazardous Waste

CA TTLC = The California Total Threshold Limit Concentration

CA STLC = The California Soluble Threshold Limit Concentration

5,040¹ - Exceeds the CA TTLC

74.9² Exceeds 10 Times the CA STLC

Soil Samples Which Exceed CA Hazardous Waste Criteria Based On Either Exceeding the TTLC or STLC (After CA WET Analysis)

6,040

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

Project: 11235.002

Eng/Geol:RJF

Scale:1" = 150'

Date: June 2016

Base Map: ESRI ArcGIS Online 2016

Thematic Information: Leighton

Author: Leighton Geomatics (asakowicz)

CAM-17 METALS IN MG/KG EXCEEDING CA TTLC¹OR 10 TIMES GREATER THAN CA STLC²

SJ4 Burbank, LLC Site

777 North Front Street, Burbank, CA

Figure 7

Leighton

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Legend

Approximate Site Boundary

▲

Biased Boring Location

●

Grid-Based Boring Location

◆

Deep Grid-Based Boring Location

Historical VOC Vapor Plumes

Subterranean Garage Footprint (2 levels)

Boring A5B						
Date: May 2016	DEPTH (FT)					
	1.0'	4.5'	8.5'	14.5'	20.5'	
Lead	74.9 ²	1.4	1.6	3.0	3.1	
Zinc	6,040 ¹	55.9	53.1	72.7	68.4	

Boring A6						
Date: May 2016	DEPTH (FT)					
	1'	4.5'	8.5'	14.5'	20.5'	20.5' Dup
Chromium	22.5	157 ²	73.4 ¹	67.7 ²	61.2 ²	59.1 ²
Copper	11.9	39.0	100	103	40.8	40.4
Lead	1.5	74.5 ²	59.5 ²	36.4	17.3	17
Zinc	28.5	6,260 ¹	3,240 ²	3,020 ²	6,660 ¹	7,050 ¹

Boring A7					
Date: May 2016	DEPTH (FT)				
	1.0'	3.5'	8.5'	14.5'	20.5'
Copper	35.2	6,750 ¹	609 ²	26.5	32.1
Lead	15.9	1,110 ¹	99.5 ²	1.0	2.1
Zinc	154	6,920 ¹	359	41.3	55.5

Boring A4					
Date: May 2016	DEPTH (FT)				
	1.0'	4.5'	8.5'	14.5'	20.5'
Copper	509 ²	20.3	16.1	13.8	23.9

Boring B4						
Date: May 2016	DEPTH (FT)					
	1.0'	4.5'	4.5'D	8.5'	14.5'	20.5'
Lead	108 ²	2.7	0.8	0.7	3.3	3.8
Zinc	1,580 ²	880	233	38.2	54.6	68.5

Boring B14				
Date: May 2016	DEPTH (FT)			
	1.0'	5.0'	11.0'	17.0'
Chromium	52.2 ²	6.7	26.7	30.6

Boring A3						
Date: May 2016	DEPTH (FT)					
	1.0'	4.5'	8.5'	8.5'D	14.5'	20.5'
Copper	1,980 ²	48.8	37.9	7.5	31.0	27.0

Project: 11235.002

Eng/Geol:RJF

Scale: 1" = 150'

Date: May 2016

Base Map: ESRI ArcGIS Online 2016

Thematic Information: Leighton

Author: Leighton Geomatics (asakowicz)

ESTIMATED VOLUME OF SOIL REQUIRING MANAGEMENT AS CA HAZARDOUS WASTE

SJ4 Burbank, LLC Site 777 North Front Street, Burbank, CA

Figure

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Table 1
Soil Gas Probe Depth Information
 SJ4 Burbank, LLC Site
 777 North Front Street, Burbank, California

Location ID	Soil Gas Probe Depth	Proposed Use	Rationale for Boring	Soil Gas Probe Installed
Proposed Grid-Based Boring Locations				
A1	¹ 16'	Hyatt House with One Level Subterranean Garage	Grid-based Boring	X
A2	¹ 16'	Hyatt House with One Level Subterranean Garage	Grid-based Boring	X
A3	20.5'	Hyatt House with One Level Subterranean Garage	Grid-based Boring	X
A4	20.5'	Mixed-Use with One Level Subterranean Garage	Grid-based Boring	X
² A5B	20.5'	Mixed-Use with One Level Subterranean Garage	Grid-based Boring	X
A6	20.5'	Mixed-Use with One Level Subterranean Garage	Grid-based Boring	X
A7	20.5'	Mixed-Use with One Level Subterranean Garage	Grid-based Boring	X
A8	20.5'	Mixed-Use with One Level Subterranean Garage	Grid-based Boring	X
A9	30.5'	Mixed-Use with Two Levels Subterranean Garage	Grid-based Boring	X
A10	30.5'	Mixed-Use with Two Levels Subterranean Garage	Grid-based Boring	X
A11	20.5'	Mixed-Use with One Level Subterranean Garage	Grid-based Boring	X
A12	17'	Mixed-Use with One Level Subterranean Garage	Grid-based Boring	X
A13	17'	Mixed-Use with One Level Subterranean Garage	Grid-based Boring	X

Table 1
Soil Gas Probe Depth Information
 SJ4 Burbank, LLC Site
 777 North Front Street, Burbank, California

Location ID	Soil Gas Probe Depth	Proposed Use	Rationale for Boring	Soil Gas Probe Installed
B1	¹ 16'	Hyatt House with One Level Subterranean Garage	Grid-based Boring	³ X
B2	¹ 16.5'	Hyatt House with One Level Subterranean Garage	Grid-based Boring	X
B3	¹ 17'	Hyatt House with One Level Subterranean Garage	Grid-based Boring	X
B4	¹ 19'	Mixed-Use with One Level Subterranean Garage	Grid-based Boring	X
B5	¹ 20'	Mixed-Use with One Level Subterranean Garage	Grid-based Boring	X
B6	¹ 20.5'	Mixed-Use with One Level Subterranean Garage	Grid-based Boring	³ X
B7	¹ 20.5'	Mixed-Use with One Level Subterranean Garage	Grid-based Boring	³ X
B8	20.5'	Mixed-Use with One Level Subterranean Garage	Grid-based Boring	X
B9	30.5'	Mixed-Use with Two Levels Subterranean Garage	Grid-based Boring	X
B10	30.5'	Mixed-Use with Two Levels Subterranean Garage	Grid-based Boring	X
B11	20.5'	Mixed-Use with One Level Subterranean Garage	Grid-based Boring	X
B12	17'	Mixed-Use with One Level Subterranean Garage	Grid-based Boring	X

Table 1
Soil Gas Probe Depth Information
 SJ4 Burbank, LLC Site
 777 North Front Street, Burbank, California

Location ID	Soil Gas Probe Depth	Proposed Use	Rationale for Boring	Soil Gas Probe Installed
B13	17'	Mixed-Use with One Level Subterranean Garage	Grid-based Boring	X
B14	17'	Mixed-Use with One Level Subterranean Garage	Grid-based Boring	X
B15	¹ 4'	Park Area	Grid-based Boring	X
Proposed Biased Boring Locations				
LB1	¹ 15'	Hyatt House with One Level Subterranean Garage	Located within Historical VOC Plume	X
	20.5'			X
LB2	¹ 19.5'	Mixed-Use with One Level Subterranean Garage	Near Highest VOC Soil Gas Detections (Ninyo & Moore, 2009)	X
LB3	¹ 20'	Mixed-Use with One Level Subterranean Garage	Located within Historical VOC Plume	X
LB4	20.5'	Mixed-Use with One Level Subterranean Garage	Located Near Former Degreaser	X
LB5	14.5'	Mixed-Use with One Level Subterranean Garage	Located Adjacent to Geocon Boring (2016) with Elevated Chromium and Strange Odor	X
	20.5'			X
LB6	17'	Mixed-Use with One Level Subterranean Garage	Located Near Former Clarifier and Boring with CrVI Detections (Geosyntec, 2012)	X
LB7	17'	Mixed-Use with One Level Subterranean Garage	Located Near Historical High Concentrations of VOCs Detected in Soil (Hydro Geo Chem)	X
LB8	17'	Mixed-Use with One Level Subterranean Garage	Located within Historical VOC Plume and Adjacent to Former TCA Tank	X

Notes:

VOCs = Volatile Organic Compounds

CrVI = Hexavalent Chromium

¹4' = Soil gas probe depth was adjusted from the original proposed depth due to clay-rich soil conditions.

²ASB = Step-out soil boring/soil gas probe location completed due to refusal at 4' at original A5 boring location.

³X = Soil gas probe did not yield sufficient sample due to clay-rich soil conditions at the depth the probe was installed.

Table 2
Summary of VOCs (ug/m³) Detected in Soil Gas Samples
SJ4 Burbank, LLC Site
777 North Front Street, Burbank, California

Sample Identification	Date Sampled	Depth (ft bgs)	Benzene	n-Butylenebenzene	Chlorobenzene	Chloroform	Dichlorodifluoromethane	1,1-Dichloroethane	1,1-DCE	cis-1,2-Dichloroethene	Ethylbenzene	Freon 113	4-Isopropyltoluene	n-Propylbenzene	1,1,1,2-Tetrachloroethane	PCE	Toluene	1,1,1-TCA	TCE	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Xylenes
A1-16'	5/6/2016	16.0	< 8.0	11.0	< 8.0	< 8.0	110	< 8.0	< 8.0	< 8.0	84.2	< 40.0	51.8	16.2	< 8.0	9,860	281	203	143	< 8.0	288	144	550
A2-16'	5/6/2016	16.0	< 8.0	< 8.0	< 8.0	< 8.0	111	< 8.0	< 8.0	< 8.0	85.8	< 40.0	50.0	16.4	< 8.0	6,680	244	182	110	< 8.0	329	174	590
A3-20.5'	5/6/2016	20.5	< 8.0	< 8.0	< 8.0	< 8.0	109	< 8.0	< 8.0	< 8.0	< 8.0	< 40.0	< 8.0	< 8.0	< 8.0	56,500	15.0	< 8.0	59.8	< 8.0	< 8.0	< 8.0	< 8.0
A4-20.5'	5/6/2016	20.5	< 8.0	< 8.0	< 8.0	47.4	191	< 8.0	< 8.0	< 8.0	< 8.0	< 40.0	18.8	< 8.0	243	1,080,000	9.4	< 8.0	4,350	< 8.0	11.0	< 8.0	8.0
A5-20.5'	5/6/2016	20.5	20.2	< 8.0	9.0	121	331	< 8.0	< 8.0	< 8.0	< 8.0	66.4	< 8.0	< 8.0	847	3,120,000	84.0	26.6	8,400	< 8.0	< 8.0	< 8.0	< 8.0
A6-20.5'	5/6/2016	20.5	20.8	< 8.0	< 8.0	34.8	505	< 8.0	< 8.0	< 8.0	34.2	124	< 8.0	< 8.0	< 8.0	105,000	234	10.8	2,020	< 8.0	31.8	< 8.0	187
A7-20.5'	5/6/2016	20.5	< 8.0	< 8.0	< 8.0	101	978	< 8.0	< 8.0	21.6	< 8.0	290	< 8.0	< 8.0	< 8.0	38,000	< 8.0	22.2	40,500	29.4	< 8.0	< 8.0	< 8.0
A8-20.5'	5/6/2016	20.5	29.0	< 8.0	< 8.0	21.8	326	< 8.0	< 8.0	< 8.0	35.4	90.2	38.8	< 8.0	< 8.0	12,900	204	15.0	1,820	< 8.0	47.6	< 8.0	213
A9-30.5'	5/6/2016	30.5	< 8.0	< 8.0	< 8.0	29.2	454	< 8.0	345	< 8.0	< 8.0	122	< 8.0	< 8.0	< 8.0	8,010	< 8.0	< 8.0	2,140	< 8.0	< 8.0	< 8.0	< 8.0
A10-30.5'	5/6/2016	30.5	< 8.0	< 8.0	< 8.0	< 8.0	307	< 8.0	< 8.0	< 8.0	< 8.0	94.4	< 8.0	< 8.0	< 8.0	8,810	60.6	19.4	801	< 8.0	< 8.0	< 8.0	31.4
A11-20.5'	5/6/2016	20.5	< 8.0	< 8.0	< 8.0	< 8.0	66.0	< 8.0	< 8.0	< 8.0	< 8.0	< 40.0	< 8.0	< 8.0	< 8.0	1,800	67.6	25.8	30.8	< 8.0	22.2	< 8.0	59.0
A12-17'	5/6/2016	17.0	< 8.0	< 8.0	< 8.0	< 8.0	38.8	< 8.0	< 8.0	< 8.0	< 8.0	< 40.0	< 8.0	< 8.0	< 8.0	972	72.0	146	94.4	< 8.0	< 8.0	< 8.0	32.2
A13-17'	5/6/2016	17.0	< 8.0	< 8.0	< 8.0	< 8.0	22.2	< 8.0	909	< 8.0	< 8.0	< 40.0	< 8.0	< 8.0	< 8.0	845	52.4	6,060	82.6	< 8.0	< 8.0	< 8.0	< 8.0
A13-17' REP	5/6/2016	17.0	< 8.0	< 8.0	< 8.0	< 8.0	23.6	< 8.0	907	< 8.0	< 8.0	< 40.0	< 8.0	< 8.0	< 8.0	1,070	< 8.0	5,880	243	< 8.0	< 8.0	< 8.0	< 8.0
B2-16.5'	5/6/2016	16.5	65.0	< 8.0	< 8.0	< 8.0	116	< 8.0	< 8.0	< 8.0	105	< 40.0	23.2	< 8.0	< 8.0	3,310	574	67.6	78.4	10.8	124	31.8	628
B3-17'	5/6/2016	17.0	124	< 8.0	< 8.0	< 8.0	32.8	< 8.0	< 8.0	< 8.0	335	< 40.0	4,050	67.6	< 8.0	11,300	1,290	28.2	69.6	< 8.0	619	177	1,850
B4-19'	5/6/2016	19.0	20.8	24.2	< 8.0	< 8.0	90.8	< 8.0	< 8.0	< 8.0	30.5	< 40.0	60.6	< 8.0	48.2	1,030,000	127	< 8.0	431	< 8.0	56.9	20.4	182
B5-20'	5/6/2016	20.0	13.4	< 8.0	< 8.0	< 8.0	269	< 8.0	< 8.0	< 8.0	72.4	< 40.0	27.9	< 8.0	103	1,410,000	72.5	< 8.0	373	< 8.0	20.0	< 8.0	85.2
B8-20.5'	5/6/2016	20.5	< 8.0	< 8.0	< 8.0	58.7	3,060	20.2	341	< 8.0	< 8.0	390	< 8.0	< 8.0	< 8.0	14,600	11.3	< 8.0	6,380	< 8.0	< 8.0	< 8.0	< 8.0
B9-30.5'	5/6/2016	30.5	33.0	24.8	< 8.0	78.6	2,400	21.2	449	< 8.0	40.1	385	36.3	< 8.0	< 8.0	14,400	171	< 8.0	8,270	< 8.0	71.1	26.2	235
B10-30.5'	5/6/2016	30.5	< 8.0	< 8.0	< 8.0	55.2	1,730	< 8.0	424	< 8.0	< 8.0	297	< 8.0	< 8.0	< 8.0	13,300	11.9	< 8.0	4,540	< 8.0	< 8.0	< 8.0	< 8.0
B10-30.5' REP	5/6/2016	30.5	< 8.0	< 8.0	< 8.0	54.5	1,690	< 8.0	417	< 8.0	< 8.0	296	< 8.0	< 8.0	< 8.0	13,800	16.1	< 8.0	4,400	< 8.0	< 8.0	< 8.0	< 8.0
B11-20.5'	5/6/2016	20.5	< 8.0	< 8.0	< 8.0	< 8.0	312	< 8.0	< 8.0	< 8.0	< 8.0	89.0	22.6	< 8.0	< 8.0	3,630	< 8.0	44.3	19.1	< 8.0	< 8.0	< 8.0	< 8.0
B12-17'	5/6/2016	17.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	71.4	< 8.0	< 8.0	< 40.0	< 8.0	< 8.0	< 8.0	5,790	< 8.0	491	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0
B13-17'	5/6/2016	17.0	< 8.0	< 8.0	< 8.0	< 8.0	11.6	< 8.0	< 8.0	< 8.0	< 8.0	< 40.0	< 8.0	< 8.0	< 8.0	323	10.0	107	17.0	< 8.0	< 8.0	< 8.0	< 8.0
¹ Targeted Cleanup Levels for Soil Gas (ug/m ³)																							
0-10 feet bgs			NE	NE	NE	NE	NE	NE	187,000	NE	NE	NE	NE	NE	NE	86,000	NE	475,000	35,000	NE	NE	NE	NE
10-20 feet bgs			NE	NE	NE	NE	NE	NE	150,000	NE	NE	NE	NE	NE	NE	71,000	NE	385,000	28,000	NE	NE	NE	NE
20-30 feet bgs			NE	NE	NE	NE	NE	NE	120,000	NE	NE	NE	NE	NE	NE	55,000	NE	295,000	20,000	NE	NE	NE	NE
30-40 feet bgs			NE	NE	NE	NE	NE	NE	80,000	NE	NE	NE	NE	NE	NE	38,000	NE	205,000	15,000	NE	NE	NE	NE

Table 2
Summary of VOCs (ug/m³) Detected in Soil Gas Samples
SJ4 Burbank, LLC Site
777 North Front Street, Burbank, California

Sample Identification	Date Sampled	Depth (ft bgs)	Benzene	n-Butylebenzene	Chlorobenzene	Chloroform	Dichlorodifluoromethane	1,1-Dichloroethane	1,1-DCE	cis-1,2-Dichloroethene	Ethylbenzene	Freon 113	4-Isopropyltoluene	n-Propylbenzene	1,1,1,2-Tetrachloroethane	PCE	Toluene	1,1,1-TCA	TCE	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Xylenes
B14-17'	5/6/2016	17.0	< 8.0	< 8.0	< 8.0	< 8.0	8.2	< 8.0	< 8.0	< 8.0	< 8.0	< 40.0	< 8.0	< 8.0	< 8.0	143	80.6	14.4	41.4	< 8.0	< 8.0	< 8.0	27.0
B15-4'	5/6/2016	4.0	< 8.0	< 8.0	< 8.0	< 8.0	16.6	< 8.0	< 8.0	< 8.0	< 8.0	< 40.0	< 8.0	< 8.0	< 8.0	222	18.4	< 8.0	31.8	< 8.0	< 8.0	< 8.0	< 8.0
LB1-15'	5/6/2016	15.0	< 8.0	< 8.0	< 8.0	< 8.0	43.4	< 8.0	< 8.0	< 8.0	< 8.0	< 40.0	< 8.0	< 8.0	< 8.0	423	76.0	39.2	38.0	< 8.0	< 8.0	< 8.0	11.6
LB1-20.5'	5/6/2016	20.5	< 8.0	< 8.0	< 8.0	< 8.0	33.0	< 8.0	< 8.0	< 8.0	< 8.0	< 40.0	< 8.0	< 8.0	< 8.0	11,000	45.4	167	332	< 8.0	< 8.0	< 8.0	< 8.0
LB2-19.5'	5/6/2016	19.5	15.2	< 8.0	< 8.0	< 8.0	99.2	< 8.0	< 8.0	< 8.0	< 8.0	< 40.0	< 8.0	< 8.0	< 8.0	63,200	68.2	< 8.0	110	< 8.0	< 8.0	< 8.0	< 8.0
LB3-20'	5/6/2016	20.0	26.9	< 8.0	< 8.0	67.0	200	< 8.0	242	< 8.0	35.7	< 40.0	< 8.0	< 8.0	635	10,600,000	114	8.0	4,930	< 8.0	< 8.0	< 8.0	35.3
LB4-20.5'	5/6/2016	20.5	25.2	< 8.0	< 8.0	< 8.0	698	< 8.0	< 8.0	< 8.0	32.0	107	18.3	< 8.0	10.6	544,000	175	< 8.0	648	< 8.0	10.6	< 8.0	156
LB5-14.5'	5/6/2016	14.5	< 8.0	< 8.0	< 8.0	< 8.0	754	< 8.0	< 8.0	< 8.0	< 8.0	141	< 8.0	< 8.0	< 8.0	11,800	54.7	< 8.0	881	< 8.0	< 8.0	< 8.0	21.4
LB5-20.5'	5/6/2016	20.5	27.4	< 8.0	< 8.0	14.2	927	< 8.0	< 8.0	< 8.0	23.2	186	16.9	< 8.0	< 8.0	12,400	169	< 8.0	1,500	< 8.0	12.3	< 8.0	115
LB6-17'	5/6/2016	17.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	67.6	< 8.0	< 8.0	< 40.0	< 8.0	< 8.0	< 8.0	1,590	< 8.0	17.4	115	< 8.0	< 8.0	< 8.0	< 8.0
LB7-17'	5/6/2016	17.0	< 8.0	< 8.0	< 8.0	< 8.0	185	< 8.0	67.3	< 8.0	< 8.0	53.2	< 8.0	< 8.0	< 8.0	3,280	< 8.0	85.6	42.0	< 8.0	< 8.0	< 8.0	< 8.0
LB8-17'	5/6/2016	17.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	937	< 8.0	17.8	< 40.0	8.6	< 8.0	< 8.0	14,600	97.4	1,630	173	< 8.0	< 8.0	< 8.0	89.1
¹ Targeted Cleanup Levels for Soil Gas (ug/m ³)																							
0-10 feet bgs			NE	NE	NE	NE	NE	NE	187,000	NE	NE	NE	NE	NE	NE	86,000	NE	475,000	35,000	NE	NE	NE	NE
10-20 feet bgs			NE	NE	NE	NE	NE	NE	150,000	NE	NE	NE	NE	NE	NE	71,000	NE	385,000	28,000	NE	NE	NE	NE
20-30 feet bgs			NE	NE	NE	NE	NE	NE	120,000	NE	NE	NE	NE	NE	NE	55,000	NE	295,000	20,000	NE	NE	NE	NE
30-40 feet bgs			NE	NE	NE	NE	NE	NE	80,000	NE	NE	NE	NE	NE	NE	38,000	NE	205,000	15,000	NE	NE	NE	NE

Notes:

REP = Duplicate sample

ft bgs = Feet below ground surface

ug/m³ = Micrograms per cubic meter

< 8.0 = Concentration reported below laboratory detection limit

NE = Cleanup concentrations not established for this compound

8.0 = Concentration reported above laboratory detection limit

All concentrations reported in ug/m³

PCE = Tetrachloroethylene

TCE = Trichloroethylene

1,1,1-TCA = 1,1,1-Trichloroethane

1,1-DCE = 1,1-Dichloroethene

¹ = Cleanup levels obtained from *Table 1, Phase 2 Targeted Soil Cleanup Levels*, presented in *Work Plan for No Further Action Closure: Soil Vapor Extraction and Groundwater Monitoring Systems, Former ZERO Facility, 777 Front Street, Burbank, California (RWQCB File No. 109.6162)*, by Hydro Geo Chem, Inc., dated June 26, 2000.

Table 3
Summary of VOCs (ug/kg) Detected in Soil Samples
SJ4 Burbank, LLC Site
777 North Front Street, Burbank, California

Sample Identification	Date Sampled	Depth (ft bgs)	Benzene	cis-1,2-DCE	trans-1,2-DCE	Ethylbenzene	PCE	Toluene	1,1,1-TCA	TCE
A1-1'	5/4/2016	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
A1-4.5'	5/4/2016	4.5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
A1-8.5'	5/4/2016	8.5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
A1-14.5'	5/4/2016	14.5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
A1-20.5'	5/4/2016	20.5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
A2-1'	5/4/2016	1.0	< 1.0	< 1.0	< 1.0	< 1.0	8.2	< 1.0	< 1.0	< 1.0
A2-4.5'	5/4/2016	4.5	< 1.0	< 1.0	< 1.0	< 1.0	2.1	< 1.0	< 1.0	< 1.0
A2-8.5'	5/4/2016	8.5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
A2-14.5'	5/4/2016	14.5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
A2-20.5'	5/4/2016	20.5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
A3-1'	5/4/2016	1.0	< 1.0	< 1.0	< 1.0	< 1.0	8.9	< 1.0	< 1.0	< 1.0
A3-4.5'	5/4/2016	4.5	< 1.0	< 1.0	< 1.0	< 1.0	10.5	< 1.0	< 1.0	< 1.0
A3-8.5'	5/4/2016	8.5	< 1.0	< 1.0	< 1.0	< 1.0	11.4	< 1.0	< 1.0	< 1.0
A3-8.5'-D	5/4/2016	8.5	< 1.0	< 1.0	< 1.0	< 1.0	6.6	< 1.0	< 1.0	< 1.0
A3-14.5'	5/4/2016	14.5	< 1.0	< 1.0	< 1.0	< 1.0	2.0	< 1.0	< 1.0	< 1.0
A3-20.5'	5/4/2016	20.5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
A4-1'	5/4/2016	1.0	< 1.0	< 1.0	< 1.0	< 1.0	2,540	< 1.0	< 1.0	11.5
A4-4.5'	5/4/2016	4.5	< 1.0	< 1.0	< 1.0	< 1.0	46.9	< 1.0	< 1.0	< 1.0
A4-8.5'	5/4/2016	8.5	< 1.0	< 1.0	< 1.0	< 1.0	118	< 1.0	< 1.0	2.7
A4-14.5'	5/4/2016	14.5	< 1.0	< 1.0	< 1.0	< 1.0	58.7	< 1.0	< 1.0	< 1.0
A4-20.5'	5/4/2016	20.5	< 1.0	< 1.0	< 1.0	< 1.0	6.8	< 1.0	< 1.0	< 1.0

Table 3
Summary of VOCs (ug/kg) Detected in Soil Samples
SJ4 Burbank, LLC Site
777 North Front Street, Burbank, California

Sample Identification	Date Sampled	Depth (ft bgs)	Benzene	cis-1,2-DCE	trans-1,2-DCE	Ethylbenzene	PCE	Toluene	1,1,1-TCA	TCE
A5-1.25'	5/4/2016	1.25	< 1.0	< 1.0	< 1.0	< 1.0	810	< 1.0	< 1.0	2.8
A5-4.5'	5/4/2016	4.5	< 1.0	< 1.0	< 1.0	< 1.0	32.2	< 1.0	< 1.0	< 1.0
A5B-1'	5/4/2016	1.0	< 1.0	< 1.0	< 1.0	< 1.0	253	< 1.0	< 1.0	< 1.0
A5B-4.5'	5/4/2016	4.5	< 1.0	< 1.0	< 1.0	< 1.0	39.8	< 1.0	< 1.0	< 1.0
A5B-8.5'	5/4/2016	8.5	< 1.0	< 1.0	< 1.0	< 1.0	16	< 1.0	< 1.0	< 1.0
A5B-14.5'	5/4/2016	14.5	< 1.0	< 1.0	< 1.0	< 1.0	181	< 1.0	< 1.0	< 1.0
A5B-20.5'	5/4/2016	20.5	< 1.0	< 1.0	< 1.0	< 1.0	57.5	< 1.0	< 1.0	< 1.0
A6-1'	5/5/2016	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
A6-4.5'	5/5/2016	4.5	< 1.0	< 1.0	< 1.0	< 1.0	13.7	< 1.0	< 1.0	< 1.0
A6-8.5'	5/5/2016	8.5	< 1.0	< 1.0	< 1.0	< 1.0	2.0	< 1.0	< 1.0	< 1.0
A6-14.5'	5/5/2016	14.5	< 1.0	< 1.0	< 1.0	< 1.0	16.6	< 1.0	< 1.0	< 1.0
A6-20.5'	5/5/2016	20.5	< 1.0	< 1.0	< 1.0	< 1.0	10.7	< 1.0	< 1.0	< 1.0
A6-20.5'-D	5/5/2016	20.5	< 1.0	< 1.0	< 1.0	< 1.0	19.3	< 1.0	< 1.0	< 1.0
A7-1'	5/5/2016	1.0	< 1.0	< 1.0	< 1.0	< 1.0	22.1	< 1.0	< 1.0	64.7
A7-3.5'	5/5/2016	3.5	< 1.0	< 1.0	< 1.0	< 1.0	2,470	< 1.0	< 1.0	4,800
A7-8.5'	5/5/2016	8.5	< 1.0	< 1.0	< 1.0	< 1.0	1.4	< 1.0	< 1.0	2.6
A7-14.5'	5/5/2016	14.5	< 1.0	< 1.0	< 1.0	< 1.0	2.6	< 1.0	< 1.0	3.0
A7-20.5'	5/5/2016	20.5	< 1.0	< 1.0	< 1.0	< 1.0	1.0	< 1.0	< 1.0	< 1.0
A8-1'	5/5/2016	1.0	< 1.0	< 1.0	< 1.0	< 1.0	21.9	< 1.0	< 1.0	2.1
A8-4.5'	5/5/2016	4.5	< 1.0	< 1.0	< 1.0	< 1.0	11.4	< 1.0	< 1.0	< 1.0
A8-8.5'	5/5/2016	8.5	< 1.0	< 1.0	< 1.0	< 1.0	1.5	< 1.0	< 1.0	< 1.0
A8-14.5'	5/5/2016	14.5	< 1.0	< 1.0	< 1.0	< 1.0	5.7	< 1.0	< 1.0	< 1.0
A8-20.5'	5/5/2016	20.5	< 1.0	< 1.0	< 1.0	< 1.0	3.1	< 1.0	< 1.0	< 1.0

Table 3
Summary of VOCs (ug/kg) Detected in Soil Samples
SJ4 Burbank, LLC Site
777 North Front Street, Burbank, California

Sample Identification	Date Sampled	Depth (ft bgs)	Benzene	cis-1,2-DCE	trans-1,2-DCE	Ethylbenzene	PCE	Toluene	1,1,1-TCA	TCE
A9-1'	5/5/2016	1.0	< 1.0	< 1.0	< 1.0	< 1.0	4.3	< 1.0	< 1.0	< 1.0
A9-4.5'	5/5/2016	4.5	< 1.0	< 1.0	< 1.0	< 1.0	4.5	< 1.0	< 1.0	< 1.0
A9-8.5'	5/5/2016	8.5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
A9-14.5'	5/5/2016	14.5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
A9-20.5'	5/5/2016	20.5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
A9-20.5'-D	5/5/2016	20.5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
A9-25.5'	5/5/2016	25.5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
A9-30.5'	5/5/2016	30.5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
A10-1'	5/5/2016	1.0	< 1.0	< 1.0	< 1.0	< 1.0	6.8	< 1.0	< 1.0	< 1.0
A10-14.5'	5/5/2016	14.5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
A10-20.5'	5/5/2016	20.5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
A10-25.5'	5/5/2016	25.5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
A10-30.5'	5/5/2016	30.5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
A11-1'	5/5/2016	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
A11-4.5'	5/5/2016	4.5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
A11-8.5'	5/5/2016	8.5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
A11-8.5'-D	5/5/2016	8.5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
A11-14.5'	5/5/2016	14.5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
A11-20.5'	5/5/2016	20.5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
A12-1'	5/5/2016	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
A12-5'	5/5/2016	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
A12-11'	5/5/2016	11.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
A12-17'	5/5/2016	17.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
A13-1'	5/5/2016	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
A13-5'	5/5/2016	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
A13-11'	5/5/2016	11.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
A13-17'	5/5/2016	17.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

Table 3
Summary of VOCs (ug/kg) Detected in Soil Samples
SJ4 Burbank, LLC Site
777 North Front Street, Burbank, California

Sample Identification	Date Sampled	Depth (ft bgs)	Benzene	cis-1,2-DCE	trans-1,2-DCE	Ethylbenzene	PCE	Toluene	1,1,1-TCA	TCE
B1-1'	5/4/2016	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
B1-4.5'	5/4/2016	4.5	< 1.0	< 1.0	< 1.0	< 1.0	27.0	< 1.0	< 1.0	< 1.0
B1-8.5'	5/4/2016	8.5	< 1.0	< 1.0	< 1.0	< 1.0	2.1	< 1.0	< 1.0	< 1.0
B1-14.5'	5/4/2016	14.5	< 1.0	< 1.0	< 1.0	< 1.0	14.8	< 1.0	< 1.0	< 1.0
B1-20.5'	5/4/2016	20.5	< 1.0	< 1.0	< 1.0	< 1.0	5.4	< 1.0	< 1.0	< 1.0
B2-1'	5/5/2016	1.0	< 1.0	< 1.0	< 1.0	< 1.0	12.7	< 1.0	< 1.0	< 1.0
B2-4.5'	5/5/2016	4.5	< 1.0	< 1.0	< 1.0	< 1.0	1.7	< 1.0	< 1.0	< 1.0
B2-8.5'	5/5/2016	8.5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
B2-14.5'	5/5/2016	14.5	< 1.0	< 1.0	< 1.0	< 1.0	1.3	< 1.0	< 1.0	< 1.0
B2-20.5'	5/5/2016	20.5	< 1.0	< 1.0	< 1.0	< 1.0	3.3	< 1.0	< 1.0	< 1.0
B3-1'	5/4/2016	1.0	< 1.0	< 1.0	< 1.0	< 1.0	21.8	< 1.0	< 1.0	< 1.0
B3-4.5'	5/4/2016	4.5	< 1.0	< 1.0	< 1.0	< 1.0	7.9	< 1.0	< 1.0	< 1.0
B3-8.5'	5/4/2016	8.5	< 1.0	< 1.0	< 1.0	< 1.0	1.2	< 1.0	< 1.0	< 1.0
B3-14.5'	5/4/2016	14.5	< 1.0	< 1.0	< 1.0	< 1.0	6.3	< 1.0	< 1.0	< 1.0
B3-20.5'	5/4/2016	20.5	< 1.0	< 1.0	< 1.0	< 1.0	13.8	< 1.0	< 1.0	< 1.0
B4-1'	5/4/2016	1.0	< 1.0	5.0	2.3	< 1.0	3,330	< 1.0	< 1.0	153
B4-4.5'	5/4/2016	4.5	< 1.0	< 1.0	< 1.0	< 1.0	24.0	< 1.0	< 1.0	< 1.0
B4-4.5D	5/4/2016	4.5	< 1.0	< 1.0	< 1.0	< 1.0	21.2	< 1.0	< 1.0	< 1.0
B4-8.5'	5/4/2016	8.5	< 1.0	< 1.0	< 1.0	< 1.0	22.4	< 1.0	< 1.0	< 1.0
B4-14.5'	5/4/2016	14.5	< 1.0	< 1.0	< 1.0	< 1.0	29.3	< 1.0	< 1.0	< 1.0
B4-20.5'	5/4/2016	20.5	< 1.0	< 1.0	< 1.0	< 1.0	54.8	< 1.0	< 1.0	< 1.0
B5-1'	5/4/2016	1.0	< 1.0	< 1.0	< 1.0	< 1.0	29.6	< 1.0	< 1.0	< 1.0
B5-4.5'	5/4/2016	4.5	< 1.0	< 1.0	< 1.0	< 1.0	148	< 1.0	< 1.0	< 1.0
B5-8.5'	5/4/2016	8.5	< 1.0	< 1.0	< 1.0	< 1.0	161	< 1.0	< 1.0	< 1.0
B5-14.5'	5/4/2016	14.5	< 1.0	< 1.0	< 1.0	< 1.0	25.3	< 1.0	< 1.0	< 1.0
B5-20.5'	5/4/2016	20.5	< 1.0	< 1.0	< 1.0	< 1.0	14.9	< 1.0	< 1.0	< 1.0

Table 3
Summary of VOCs (ug/kg) Detected in Soil Samples
SJ4 Burbank, LLC Site
777 North Front Street, Burbank, California

Sample Identification	Date Sampled	Depth (ft bgs)	Benzene	cis-1,2-DCE	trans-1,2-DCE	Ethylbenzene	PCE	Toluene	1,1,1-TCA	TCE
B6-1'	5/4/2016	1.0	< 1.0	< 1.0	< 1.0	< 1.0	28.7	< 1.0	< 1.0	< 1.0
B6-4.5'	5/4/2016	4.5	< 1.0	< 1.0	< 1.0	< 1.0	33.1	< 1.0	< 1.0	< 1.0
B6-8.5'	5/4/2016	8.5	< 1.0	< 1.0	< 1.0	< 1.0	22.1	< 1.0	< 1.0	< 1.0
B6-14.5'	5/4/2016	14.5	< 1.0	< 1.0	< 1.0	< 1.0	9.1	< 1.0	< 1.0	< 1.0
B6-20.5'	5/4/2016	20.5	< 1.0	< 1.0	< 1.0	< 1.0	8.8	< 1.0	< 1.0	< 1.0
B7-1'	5/5/2016	1.0	1.7	< 1.0	< 1.0	< 1.0	5.8	< 1.0	< 1.0	1.6
B7-4.5'	5/5/2016	4.5	< 1.0	< 1.0	< 1.0	< 1.0	22.1	< 1.0	< 1.0	13.6
B7-8.5'	5/5/2016	8.5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
B7-14.5'	5/5/2016	14.5	< 1.0	< 1.0	< 1.0	< 1.0	4.5	< 1.0	< 1.0	< 1.0
B7-20.5'	5/5/2016	20.5	< 1.0	< 1.0	< 1.0	< 1.0	1.2	< 1.0	< 1.0	< 1.0
B8-1'	5/5/2016	1.0	4.3	< 1.0	< 1.0	< 1.0	13.9	< 1.0	< 1.0	19.8
B8-4.5'	5/5/2016	4.5	< 1.0	< 1.0	< 1.0	< 1.0	3.3	< 1.0	< 1.0	1.0
B8-8.5'	5/5/2016	8.5	< 1.0	< 1.0	< 1.0	< 1.0	5.5	< 1.0	< 1.0	1.2
B8-8.5D	5/5/2016	8.5	< 1.0	< 1.0	< 1.0	< 1.0	6.0	< 1.0	< 1.0	1.3
B8-14.5'	5/5/2016	14.5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
B8-20.5'	5/5/2016	20.5	< 1.0	< 1.0	< 1.0	< 1.0	1.5	< 1.0	< 1.0	< 1.0
B9-1'	5/5/2016	1.0	< 1.0	< 1.0	< 1.0	< 1.0	1.8	< 1.0	< 1.0	< 1.0
B9-4.5'	5/5/2016	4.5	< 1.0	< 1.0	< 1.0	< 1.0	2.3	< 1.0	< 1.0	< 1.0
B9-8.5'	5/5/2016	8.5	< 1.0	< 1.0	< 1.0	< 1.0	2.0	< 1.0	< 1.0	< 1.0
B9-14.5'	5/5/2016	14.5	< 1.0	< 1.0	< 1.0	< 1.0	2.1	< 1.0	< 1.0	< 1.0
B9-20.5'	5/5/2016	20.5	< 1.0	< 1.0	< 1.0	< 1.0	2.0	< 1.0	< 1.0	< 1.0
B9-25.5'	5/5/2016	25.5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
B9-30.5'	5/5/2016	30.5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
B10-1'	5/5/2016	1.0	< 1.0	< 1.0	< 1.0	< 1.0	2.0	< 1.0	< 1.0	< 1.0
B10-4.5'	5/5/2016	4.5	< 1.0	< 1.0	< 1.0	< 1.0	4.3	< 1.0	< 1.0	< 1.0
B10-8.5'	5/5/2016	8.5	< 1.0	< 1.0	< 1.0	< 1.0	2.8	< 1.0	< 1.0	< 1.0
B10-14.5'	5/5/2016	14.5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
B10-20.5'	5/5/2016	20.5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
B10-25.5'	5/5/2016	25.5	< 1.0	< 1.0	< 1.0	< 1.0	2.2	< 1.0	< 1.0	< 1.0
B10-30.5'	5/5/2016	30.5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

Table 3
Summary of VOCs (ug/kg) Detected in Soil Samples
SJ4 Burbank, LLC Site
777 North Front Street, Burbank, California

Sample Identification	Date Sampled	Depth (ft bgs)	Benzene	cis-1,2-DCE	trans-1,2-DCE	Ethylbenzene	PCE	Toluene	1,1,1-TCA	TCE
B11-1'	5/5/2016	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
B11-4.5'	5/5/2016	4.5	< 1.0	< 1.0	< 1.0	< 1.0	7.3	< 1.0	< 1.0	< 1.0
B11-8.5'	5/5/2016	8.5	< 1.0	< 1.0	< 1.0	< 1.0	2.4	< 1.0	< 1.0	< 1.0
B11-14.5'	5/5/2016	14.5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
B11-20.5'	5/5/2016	20.5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
B12-1'	5/5/2016	1.0	< 1.0	< 1.0	< 1.0	< 1.0	22.8	< 1.0	< 1.0	1.6
B12-5'	5/5/2016	5.0	< 1.0	< 1.0	< 1.0	< 1.0	2.4	< 1.0	< 1.0	< 1.0
B12-5'D	5/5/2016	5.0	< 1.0	< 1.0	< 1.0	< 1.0	2.8	< 1.0	< 1.0	< 1.0
B12-11'	5/5/2016	11.0	< 1.0	< 1.0	< 1.0	< 1.0	1.3	< 1.0	< 1.0	< 1.0
B12-17'	5/5/2016	17.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
B13-1'	5/6/2016	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
B13-5'	5/6/2016	5.0	< 1.0	< 1.0	< 1.0	< 1.0	2.1	< 1.0	< 1.0	< 1.0
B13-11'	5/6/2016	11.0	< 1.0	< 1.0	< 1.0	< 1.0	1.2	< 1.0	< 1.0	< 1.0
B13-17'	5/6/2016	17.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
B14-1'	5/6/2016	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
B14-5'	5/6/2016	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
B14-11'	5/6/2016	11.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
B14-17'	5/6/2016	17.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
B15-1'	5/6/2016	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
B15-4'	5/6/2016	4.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
B15-5'	5/6/2016	5.0	< 1.0	< 1.0	< 1.0	3.0	< 1.0	1.8	< 1.0	< 1.0
LB1-1'	5/6/2016	1.0	< 1.0	< 1.0	< 1.0	< 1.0	2.9	< 1.0	< 1.0	< 1.0
LB1-4.5'	5/6/2016	4.5	< 1.0	< 1.0	< 1.0	< 1.0	1.6	< 1.0	< 1.0	< 1.0
LB1-8.5'	5/6/2016	8.5	< 1.0	< 1.0	< 1.0	< 1.0	1.8	< 1.0	< 1.0	< 1.0
LB1-14.5'	5/6/2016	14.5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
LB1-20.5'	5/6/2016	20.5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

Table 3
Summary of VOCs (ug/kg) Detected in Soil Samples
SJ4 Burbank, LLC Site
777 North Front Street, Burbank, California

Sample Identification	Date Sampled	Depth (ft bgs)	Benzene	cis-1,2-DCE	trans-1,2-DCE	Ethylbenzene	PCE	Toluene	1,1,1-TCA	TCE
LB2-1'	5/6/2016	1.0	< 1.0	< 1.0	< 1.0	< 1.0	28.0	< 1.0	< 1.0	1.4
LB2-4.5'	5/6/2016	4.5	< 1.0	< 1.0	< 1.0	< 1.0	2.2	< 1.0	< 1.0	< 1.0
LB2-8.5'	5/6/2016	8.5	< 1.0	< 1.0	< 1.0	< 1.0	2.2	< 1.0	< 1.0	< 1.0
LB2-14.5'	5/6/2016	14.5	< 1.0	< 1.0	< 1.0	< 1.0	5.5	< 1.0	< 1.0	< 1.0
LB2-20.5'	5/6/2016	20.5	< 1.0	< 1.0	< 1.0	< 1.0	25.9	< 1.0	< 1.0	< 1.0
LB3-1'	5/6/2016	1.0	< 1.0	< 1.0	< 1.0	< 1.0	43.9	< 1.0	< 1.0	< 1.0
LB3-1'-D	5/6/2016	1.0	< 1.0	< 1.0	< 1.0	< 1.0	46.7	< 1.0	< 1.0	< 1.0
LB3-4.5'	5/6/2016	4.5	< 1.0	< 1.0	< 1.0	< 1.0	19.6	< 1.0	< 1.0	< 1.0
LB3-8.5'	5/6/2016	8.5	< 1.0	< 1.0	< 1.0	< 1.0	8.2	< 1.0	< 1.0	< 1.0
LB3-14.5'	5/6/2016	14.5	< 1.0	< 1.0	< 1.0	< 1.0	89.4	< 1.0	< 1.0	< 1.0
LB3-20.5'	5/6/2016	20.5	< 1.0	< 1.0	< 1.0	< 1.0	28.2	< 1.0	< 1.0	< 1.0
LB4-1'	5/5/2016	1.0	< 1.0	< 1.0	< 1.0	< 1.0	4.4	< 1.0	< 1.0	< 1.0
LB4-4.5'	5/5/2016	4.5	< 1.0	< 1.0	< 1.0	< 1.0	25.6	< 1.0	< 1.0	< 1.0
LB4-8.5'	5/5/2016	8.5	< 1.0	< 1.0	< 1.0	< 1.0	5.4	< 1.0	< 1.0	< 1.0
LB4-14.5'	5/5/2016	14.5	< 1.0	< 1.0	< 1.0	< 1.0	26.7	< 1.0	< 1.0	< 1.0
LB4-20.5'	5/5/2016	20.5	< 1.0	< 1.0	< 1.0	< 1.0	4.3	< 1.0	< 1.0	< 1.0
LB5-1'	5/5/2016	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
LB5-1D	5/5/2016	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
LB5-4.5'	5/5/2016	4.5	< 1.0	< 1.0	< 1.0	< 1.0	21.2	< 1.0	< 1.0	5.3
LB5-8.5'	5/5/2016	8.5	< 1.0	< 1.0	< 1.0	< 1.0	3.9	< 1.0	< 1.0	< 1.0
LB5-14.5'	5/5/2016	14.5	< 1.0	< 1.0	< 1.0	< 1.0	1.0	< 1.0	< 1.0	< 1.0
LB5-20.5'	5/5/2016	20.5	< 1.0	< 1.0	< 1.0	< 1.0	2.2	< 1.0	< 1.0	< 1.0
LB6-1'	5/5/2016	1.0	< 1.0	< 1.0	< 1.0	< 1.0	1.0	< 1.0	< 1.0	< 1.0
LB6-5'	5/5/2016	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
LB6-11'	5/5/2016	11.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
LB6-17'	5/5/2016	17.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

Table 3
Summary of VOCs (ug/kg) Detected in Soil Samples
SJ4 Burbank, LLC Site
777 North Front Street, Burbank, California

Sample Identification	Date Sampled	Depth (ft bgs)	Benzene	cis-1,2-DCE	trans-1,2-DCE	Ethylbenzene	PCE	Toluene	1,1,1-TCA	TCE
LB7-1'	5/5/2016	1.0	< 1.0	< 1.0	< 1.0	< 1.0	3.5	< 1.0	< 1.0	< 1.0
LB7-5'	5/5/2016	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
LB7-11'	5/5/2016	11.0	< 1.0	< 1.0	< 1.0	< 1.0	1.0	< 1.0	< 1.0	< 1.0
LB7-17'	5/5/2016	17.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
LB8-1'	5/5/2016	1.0	< 1.0	< 1.0	< 1.0	< 1.0	187	< 1.0	20.9	1.7
LB8-5'	5/5/2016	5.0	< 1.0	< 1.0	< 1.0	< 1.0	21.5	< 1.0	4.1	< 1.0
LB8-11'	5/5/2016	11.0	< 1.0	< 1.0	< 1.0	< 1.0	3.0	< 1.0	< 1.0	< 1.0
LB8-17'	5/5/2016	17.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Residential DTSC-SLs (ug/kg) - Cancer Endpoint			330	NE	NE	NE	600	NE	NE	NE
Residential DTSC-SLs (ug/kg) - Non-cancer Endpoint			11,000	19,000	130,000	NE	82,000	1,100,000	1,700,000	NE
Residential RSLs (ug/kg)			1,200	160,000	1,600,000	5,800	24,000	4,900,000	8,100,000	940
¹ Targeted Soil Cleanup Levels (ug/kg), 0-10 feet bgs			NE	NE	NE	NE	78	NE	3,112	78
¹ Targeted Soil Cleanup Levels (ug/kg), 10-20 feet bgs			NE	NE	NE	NE	63	NE	2,520	63
¹ Targeted Soil Cleanup Levels (ug/kg), 20-30 feet bgs			NE	NE	NE	NE	48	NE	1,928	48

Notes:

ft bgs = Feet below ground surface

ug/kg = Micrograms per kilogram

VOC concentrations reported in ug/kg

< 1.0 = Not reported above practical quantitation limit

1.2 = Concentration reported above practical quantitation limit

cis-1,2-DCE = cis-1,2-Dichloroethene

trans-1,2-DCE = trans-1,2-Dichloroethene

1,1,1-TCA = 1,1,1-Trichloroethane

PCE = Tetrachloroethylene

TCE = Trichloroethylene

DTSC-SLs = Department of Toxic Substances Control (DTSC) Recommended Screening Levels (SLs) for Residential Soil for Cancer and Non-cancer Endpoints, January 2016.

RSLs = US EPA Region 9 Regional Screening Levels (RSLs) for Residential Soil, May 2016, based on a Target Hazard Quotient (THQ) of 1.0.

NE = Screening level not established

¹ = Targeted Soil Cleanup Levels obtained from *Table 1, Phase 2 Soil Cleanup Levels*, presented in *Work Plan for No Further Action Closure: Soil Vapor Extraction and Groundwater Monitoring Systems, Former ZERO Facility, 777 Front Street, Burbank, California (RWQCB File No. 109.6162)*, by Hydro Geo Chem, Inc., dated June 26, 2000.

Table 4
Summary of TPH (mg/kg) Detected in Soil Samples
SJ4 Burbank, LLC Site
777 North Front Street, Burbank, California

Sample ID#	Depth (ft bgs)	Sample Collection Date	DRO (C10-C28)	ORO (C29-C32)
A5B-1'	1	5/4/2016	241	169
A7-3.5'	3.5	5/5/2016	21.8	< 10.0
LB2-1'	1	5/6/2016	66.6	128
LB3-1'	1	5/6/2016	22.5	42.1
LB6-1'	1	5/5/2016	79.1	356

Notes:

ft bgs = Feet below ground surface

mg/kg = Milligrams per kilogram

< 10.0 = Concentration not reported above laboratory method reporting limit of 10.0 mg/kg

21.8 = Concentration reported above laboratory method reporting limit

DRO = Diesel range organics, carbon chain ranges C10 through C28

ORO = Oil range organics, carbon chain ranges C29 through C32

Table 5
Summary of CAM-17 Metals (mg/kg) Detected in Soil Samples
SJ4 Burbank, LLC Site
777 North Front Street, Burbank, California

Sample Identification	Date Sampled	Depth (ft bgs)	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
A1-1'	5/4/2016	1.0	< 0.5	< 0.5	287	< 0.5	< 0.5	15.9	11.1	33.9	7.1	< 0.020	< 0.5	10.6	< 0.5	< 0.5	< 0.5	38.1	99.1
A1-4.5'	5/4/2016	4.5	< 0.5	< 0.5	225	< 0.5	< 0.5	33.7	19.5	41.7	3.9	0.027	< 0.5	25.8	< 0.5	< 0.5	< 0.5	71.9	76.1
A1-8.5'	5/4/2016	8.5	< 0.5	< 0.5	246	< 0.5	< 0.5	43.2	22.6	47.3	4.2	0.038	< 0.5	32.6	< 0.5	< 0.5	< 0.5	78.4	94.9
A1-14.5'	5/4/2016	14.5	< 0.5	< 0.5	213	< 0.5	< 0.5	31.4	17.5	39.4	3.6	< 0.020	< 0.5	22.0	< 0.5	< 0.5	< 0.5	66.4	75.1
A1-20.5'	5/4/2016	20.5	< 0.5	< 0.5	194	< 0.5	< 0.5	26.8	16.0	39.6	5.3	0.033	< 0.5	20.5	< 0.5	< 0.5	< 0.5	59.3	71.1
A2-1'	5/4/2016	1.0	< 0.5	< 0.5	188	< 0.5	< 0.5	28.5	15.5	33.8	3.2	0.051	< 0.5	19.7	< 0.5	< 0.5	< 0.5	58.2	66.7
A2-4.5'	5/4/2016	4.5	< 0.5	< 0.5	152	< 0.5	< 0.5	31.8	13.4	30.4	3.1	0.038	< 0.5	21.5	< 0.5	< 0.5	< 0.5	52.5	62.5
A2-8.5'	5/4/2016	8.5	< 0.5	< 0.5	111	< 0.5	< 0.5	18.3	8.4	16.4	0.6	< 0.020	< 0.5	9.5	< 0.5	< 0.5	< 0.5	39.9	38.8
A2-14.5'	5/4/2016	14.5	< 0.5	< 0.5	195	< 0.5	< 0.5	29.6	16.9	35.3	3.6	< 0.020	< 0.5	20.9	< 0.5	< 0.5	< 0.5	64.9	73.6
A2-20.5'	5/4/2016	20.5	< 0.5	< 0.5	192	< 0.5	< 0.5	28.5	15.2	38.9	3.6	0.027	< 0.5	19.7	< 0.5	< 0.5	< 0.5	62.7	66.3
A3-1'	5/4/2016	1.0	< 0.5	< 0.5	91.9	< 0.5	< 0.5	10.3	5.6	1,980¹	26.1	0.074	< 0.5	13.4	< 0.5	< 0.5	< 0.5	28.9	114
A3-4.5'	5/4/2016	4.5	< 0.5	< 0.5	218	< 0.5	< 0.5	32.9	18.3	48.8	3.4	< 0.020	< 0.5	24.1	< 0.5	< 0.5	< 0.5	70.4	72.5
A3-8.5'	5/4/2016	8.5	< 0.5	< 0.5	231	< 0.5	< 0.5	33.3	18.6	37.9	2.8	< 0.020	< 0.5	24.2	< 0.5	< 0.5	< 0.5	70.4	76.8
A3-8.5'-D	5/4/2016	8.5	< 0.5	< 0.5	84.5	< 0.5	< 0.5	11.5	3.7	7.5	< 0.5	< 0.020	2.7	2.4	< 0.5	< 0.5	< 0.5	16.8	43.9
A3-14.5'	5/4/2016	14.5	< 0.5	< 0.5	126	< 0.5	< 0.5	23.3	12.0	31.0	2.3	< 0.020	< 0.5	14.7	< 0.5	< 0.5	< 0.5	52.5	56.2
A3-20.5'	5/4/2016	20.5	< 0.5	< 0.5	158	< 0.5	< 0.5	21.8	11.2	27.0	2.0	< 0.020	< 0.5	14.1	< 0.5	< 0.5	< 0.5	48.8	50.3
A4-1'	5/4/2016	1.0	< 0.5	< 0.5	109	< 0.5	< 0.5	5.2	6.9	509¹	14.8	0.130	< 0.5	6.1	< 0.5	< 0.5	< 0.5	38.2	108
A4-4.5'	5/4/2016	4.5	< 0.5	< 0.5	97.4	< 0.5	< 0.5	16.4	8.6	20.3	0.8	< 0.020	< 0.5	11.3	< 0.5	< 0.5	< 0.5	37.0	39.7
A4-8.5'	5/4/2016	8.5	< 0.5	< 0.5	88.5	< 0.5	< 0.5	13.9	6.3	16.1	0.8	< 0.020	< 0.5	7.6	< 0.5	< 0.5	< 0.5	31.8	307
A4-14.5'	5/4/2016	14.5	< 0.5	< 0.5	99.5	< 0.5	< 0.5	15.4	7.9	13.8	1.2	< 0.020	< 0.5	8.8	< 0.5	< 0.5	< 0.5	34.5	41.5
A4-20.5'	5/4/2016	20.5	< 0.5	< 0.5	133	< 0.5	< 0.5	20.0	11.1	23.9	1.9	< 0.020	< 0.5	14.4	< 0.5	< 0.5	< 0.5	46.2	49.7
A5-1.25'	5/4/2016	1.25	< 0.5	< 0.5	181	< 0.5	< 0.5	29.0	16.5	30.8	2.8	0.024	< 0.5	19.7	< 0.5	< 0.5	< 0.5	67.8	68.5
A5-4.5'	5/4/2016	4.5	< 0.5	< 0.5	114	< 0.5	< 0.5	21.3	10.4	19.5	1.5	< 0.020	< 0.5	12.6	< 0.5	< 0.5	< 0.5	49.9	47.8
A5B-1'	5/4/2016	1.0	< 0.5	< 0.5	147	< 0.5	1.2	14.3	9.9	124	74.9¹	< 0.020	< 0.5	16.1	< 0.5	< 0.5	< 0.5	46.9	6,040²
A5B-4.5'	5/4/2016	4.5	< 0.5	< 0.5	137	< 0.5	< 0.5	18.3	11.9	18.5	1.4	0.059	< 0.5	12.0	< 0.5	< 0.5	< 0.5	53.1	55.9
A5B-8.5'	5/4/2016	8.5	< 0.5	< 0.5	152	< 0.5	< 0.5	24.9	12.0	21.8	1.6	< 0.020	< 0.5	14.3	< 0.5	< 0.5	< 0.5	53.8	53.1

Table 5
Summary of CAM-17 Metals (mg/kg) Detected in Soil Samples
SJ4 Burbank, LLC Site
777 North Front Street, Burbank, California

Sample Identification	Date Sampled	Depth (ft bgs)	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
A5B-14.5'	5/4/2016	14.5	< 0.5	< 0.5	196	< 0.5	< 0.5	35.2	15.8	32.2	3.0	< 0.020	< 0.5	18.9	< 0.5	< 0.5	< 0.5	61.4	72.7
A5B-20.5'	5/4/2016	20.5	< 0.5	< 0.5	218	< 0.5	< 0.5	32.1	18.1	40.0	3.1	< 0.020	< 0.5	21.0	< 0.5	< 0.5	< 0.5	74.7	68.4
A6-1'	5/5/2016	1.0	< 0.5	< 0.5	45.9	< 0.5	< 0.5	22.5	13.6	11.9	1.5	0.026	< 0.5	18.4	< 0.5	< 0.5	< 0.5	33.1	28.5
A6-4.5'	5/5/2016	4.5	< 0.5	< 0.5	136	< 0.5	1.2	157¹	19.7	39.0	74.5¹	0.030	< 0.5	14.9	< 0.5	< 0.5	< 0.5	45.7	6,260²
A6-8.5'	5/5/2016	8.5	< 0.5	< 0.5	166	< 0.5	< 0.5	73.4¹	20.1	100	59.5¹	< 0.020	< 0.5	18.5	< 0.5	< 0.5	< 0.5	57.6	3,240¹
A6-14.5'	5/5/2016	14.5	< 0.5	< 0.5	186	< 0.5	< 0.5	67.7¹	16.2	103	36.4	< 0.020	< 0.5	19.1	< 0.5	< 0.5	< 0.5	65.1	3,020¹
A6-20.5'	5/5/2016	20.5	< 0.5	< 0.5	172	< 0.5	< 0.5	61.2¹	20.4	40.8	17.3	< 0.020	< 0.5	25.3	< 0.5	< 0.5	< 0.5	81.3	6,660²
A6-20.5'-D	5/5/2016	20.5	< 0.5	< 0.5	176	< 0.5	< 0.5	59.1¹	19.7	40.4	17.0	< 0.020	< 0.5	24.4	< 0.5	< 0.5	< 0.5	78.2	7,050²
A7-1'	5/5/2016	1.0	< 0.5	< 0.5	131	< 0.5	< 0.5	25.8	9.6	35.2	15.9	0.035	2.2	21.4	< 0.5	< 0.5	< 0.5	58.3	154
A7-3.5'	5/5/2016	3.5	< 0.5	2.4	34.5	< 0.5	6.1	7.9	1.1	6,740²	1,110²	0.029	< 0.5	47.1	< 0.5	< 0.5	< 0.5	11.3	6,920²
A7-8.5'	5/5/2016	8.5	< 0.5	< 0.5	176	< 0.5	< 0.5	34.3	16.7	609¹	99.5¹	< 0.020	< 0.5	28.1	< 0.5	< 0.5	< 0.5	64.8	359
A7-14.5'	5/5/2016	14.5	< 0.5	< 0.5	107	< 0.5	< 0.5	15.7	7.5	26.5	1.0	< 0.020	< 0.5	8.5	< 0.5	< 0.5	< 0.5	40.5	41.3
A7-20.5'	5/5/2016	20.5	< 0.5	< 0.5	139	< 0.5	< 0.5	23.5	12.7	32.1	2.1	< 0.020	< 0.5	15.5	< 0.5	< 0.5	< 0.5	54.7	55.5
A8-1'	5/5/2016	1.0	< 0.5	< 0.5	131	< 0.5	< 0.5	18.5	12.2	25.1	4.1	0.022	< 0.5	12.2	< 0.5	< 0.5	< 0.5	45.8	62.2
A8-4.5'	5/5/2016	4.5	< 0.5	< 0.5	220	< 0.5	< 0.5	34.5	20.3	42.6	4.2	0.030	< 0.5	25.7	< 0.5	< 0.5	< 0.5	74.4	46.8
A8-8.5'	5/5/2016	8.5	< 0.5	< 0.5	129	< 0.5	< 0.5	21.5	11.3	24.3	1.4	< 0.020	< 0.5	13.9	< 0.5	< 0.5	< 0.5	49.7	45.6
A8-14.5'	5/5/2016	14.5	< 0.5	< 0.5	246	< 0.5	< 0.5	25.4	15.7	34.0	3.0	< 0.020	< 0.5	18.8	< 0.5	< 0.5	< 0.5	59.3	64.3
A8-20.5'	5/5/2016	20.5	< 0.5	< 0.5	152	< 0.5	< 0.5	26.3	13.5	30.6	2.2	< 0.020	< 0.5	16.8	< 0.5	< 0.5	< 0.5	57.1	53.5
A9-1'	5/5/2016	1.0	< 0.5	< 0.5	126	< 0.5	< 0.5	17.7	12.3	22.4	4.0	0.022	< 0.5	11.4	< 0.5	< 0.5	< 0.5	45.2	59.6
A9-4.5'	5/5/2016	4.5	< 0.5	< 0.5	189	< 0.5	< 0.5	31.1	16.1	35.5	3.0	< 0.020	< 0.5	20.0	< 0.5	< 0.5	< 0.5	66.1	63.8
A9-8.5'	5/5/2016	8.5	< 0.5	< 0.5	115	< 0.5	< 0.5	20.3	11.4	21.2	1.3	< 0.020	< 0.5	12.9	< 0.5	< 0.5	< 0.5	47.2	43.4
A9-14.5'	5/5/2016	14.5	< 0.5	< 0.5	179	< 0.5	< 0.5	26.9	16.8	32.9	3.0	< 0.020	< 0.5	19.8	< 0.5	< 0.5	< 0.5	58.8	69.0
A9-20.5'	5/5/2016	20.5	< 0.5	< 0.5	171	< 0.5	< 0.5	23.1	13.0	28.6	2.6	< 0.020	< 0.5	15.4	< 0.5	< 0.5	< 0.5	51.8	57.2
A9-20.5'-D	5/5/2016	20.5	< 0.5	< 0.5	142	< 0.5	< 0.5	22.6	12.3	25.0	1.1	< 0.020	< 0.5	13.8	< 0.5	< 0.5	< 0.5	56.0	48.9
A9-25.5'	5/5/2016	25.5	< 0.5	< 0.5	113	< 0.5	< 0.5	12.6	9.2	16.3	0.6	< 0.020	< 0.5	7.8	< 0.5	< 0.5	< 0.5	43.7	36.1

Table 5
Summary of CAM-17 Metals (mg/kg) Detected in Soil Samples
SJ4 Burbank, LLC Site
777 North Front Street, Burbank, California

Sample Identification	Date Sampled	Depth (ft bgs)	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
A9-30.5'	5/5/2016	30.5	< 0.5	< 0.5	60.8	< 0.5	< 0.5	10.0	5.6	10.7	< 0.5	< 0.020	< 0.5	5.0	< 0.5	< 0.5	< 0.5	32.9	22.7
A10-1'	5/5/2016	1.0	< 0.5	< 0.5	145	< 0.5	< 0.5	21.6	15.0	22.6	6.2	< 0.020	< 0.5	15.4	< 0.5	< 0.5	< 0.5	47.9	66.6
A10-14.5'	5/5/2016	14.5	< 0.5	< 0.5	83.3	< 0.5	< 0.5	20.1	7.2	14.2	< 0.5	< 0.020	< 0.5	8.2	< 0.5	< 0.5	< 0.5	33.1	34.5
A10-20.5'	5/5/2016	20.5	< 0.5	< 0.5	129	< 0.5	< 0.5	18.0	9.8	23.9	2.8	< 0.020	< 0.5	12.2	< 0.5	< 0.5	< 0.5	40.5	50.0
A10-25.5'	5/5/2016	25.5	< 0.5	< 0.5	242	< 0.5	< 0.5	13.0	16.0	30.3	1.4	< 0.020	< 0.5	5.3	< 0.5	< 0.5	< 0.5	70.2	63.0
A10-30.5'	5/5/2016	30.5	< 0.5	< 0.5	142	< 0.5	< 0.5	19.2	12.6	29.3	2.8	< 0.020	< 0.5	14.2	< 0.5	< 0.5	< 0.5	49.8	62.8
A11-1'	5/5/2016	1.0	< 0.5	< 0.5	196	< 0.5	< 0.5	28.2	15.8	106	9.6	< 0.020	< 0.5	19.9	< 0.5	< 0.5	< 0.5	62.2	161
A11-4.5'	5/5/2016	4.5	< 0.5	< 0.5	126	< 0.5	< 0.5	21.9	11.6	22.8	2.2	< 0.020	< 0.5	14.4	< 0.5	< 0.5	< 0.5	47.3	49.3
A11-8.5'	5/5/2016	8.5	< 0.5	< 0.5	205	< 0.5	< 0.5	31.6	18.1	31.3	3.1	< 0.020	< 0.5	22.3	< 0.5	< 0.5	< 0.5	67.0	73.6
A11-8.5'-D	5/5/2016	8.5	< 0.5	< 0.5	123	< 0.5	< 0.5	19.1	10.2	23.2	1.5	< 0.020	< 0.5	13.2	< 0.5	< 0.5	< 0.5	42.8	44.4
A11-14.5'	5/5/2016	14.5	< 0.5	< 0.5	183	< 0.5	< 0.5	28.0	15.5	30.7	2.8	< 0.020	< 0.5	19.2	< 0.5	< 0.5	< 0.5	60.2	66.3
A11-20.5'	5/5/2016	20.5	< 0.5	< 0.5	155	< 0.5	< 0.5	21.9	12.6	26.3	2.3	< 0.020	< 0.5	15.2	< 0.5	< 0.5	< 0.5	49.1	56.5
A12-1'	5/5/2016	1.0	< 0.5	< 0.5	228	< 0.5	< 0.5	33.5	19.7	38.9	6.8	< 0.020	< 0.5	25.6	< 0.5	< 0.5	< 0.5	72.9	90.5
A12-5'	5/5/2016	5.0	< 0.5	< 0.5	246	< 0.5	< 0.5	37.7	20.6	45.5	4.2	< 0.020	< 0.5	27.9	< 0.5	< 0.5	< 0.5	75.0	79.2
A12-11'	5/5/2016	11.0	< 0.5	< 0.5	241	< 0.5	< 0.5	35.5	20.0	42.4	4.2	< 0.020	< 0.5	25.7	< 0.5	< 0.5	< 0.5	77.9	84.5
A12-17'	5/5/2016	17.0	< 0.5	< 0.5	226	< 0.5	< 0.5	30.1	17.1	33.8	2.7	< 0.020	< 0.5	20.8	< 0.5	< 0.5	< 0.5	67.3	71.5
A13-1'	5/5/2016	1.0	< 0.5	< 0.5	210	< 0.5	< 0.5	30.2	17.6	36.2	4.0	< 0.020	< 0.5	21.8	< 0.5	< 0.5	< 0.5	66.6	77.5
A13-5'	5/5/2016	5.0	< 0.5	< 0.5	248	< 0.5	< 0.5	35.4	21.0	41.8	4.1	< 0.020	< 0.5	27.4	< 0.5	< 0.5	< 0.5	75.1	81.8
A13-11'	5/5/2016	11.0	< 0.5	< 0.5	211	< 0.5	< 0.5	31.8	18.5	33.6	3.2	< 0.020	< 0.5	22.8	< 0.5	< 0.5	< 0.5	68.4	76.7
A13-17'	5/5/2016	17.0	< 0.5	< 0.5	138	< 0.5	< 0.5	26.0	13.5	23.7	2.1	< 0.020	< 0.5	16.0	< 0.5	< 0.5	< 0.5	58.7	57.6
B1-1'	5/4/2016	1.0	< 0.5	< 0.5	151	< 0.5	< 0.5	21.4	11.9	27.0	6.8	0.020	< 0.5	15.3	< 0.5	< 0.5	< 0.5	47.2	64.7
B1-4.5'	5/4/2016	4.5	< 0.5	< 0.5	128	< 0.5	< 0.5	20.1	10.4	22.9	5.5	0.037	< 0.5	14.1	< 0.5	< 0.5	< 0.5	42.9	55.2
B1-8.5'	5/4/2016	8.5	< 0.5	< 0.5	156	< 0.5	< 0.5	27.3	14.0	24.6	6.5	0.050	< 0.5	17.9	< 0.5	< 0.5	< 0.5	57.5	63.2
B1-14.5'	5/4/2016	14.5	< 0.5	< 0.5	180	< 0.5	< 0.5	29.2	15.5	38.0	5.0	0.081	< 0.5	19.9	< 0.5	< 0.5	< 0.5	61.4	72.6
B1-20.5'	5/4/2016	20.5	< 0.5	< 0.5	146	< 0.5	< 0.5	20.8	12.9	31.0	4.9	0.071	< 0.5	15.6	< 0.5	< 0.5	< 0.5	48.8	58.6

Table 5
Summary of CAM-17 Metals (mg/kg) Detected in Soil Samples
SJ4 Burbank, LLC Site
777 North Front Street, Burbank, California

Sample Identification	Date Sampled	Depth (ft bgs)	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
B2-1'	5/5/2016	1.0	< 0.5	< 0.5	155	< 0.5	< 0.5	23.4	14.3	23.5	3.0	< 0.020	< 0.5	16.3	< 0.5	< 0.5	< 0.5	50.6	62.4
B2-4.5'	5/5/2016	4.5	< 0.5	< 0.5	235	< 0.5	< 0.5	33.3	19.1	38.5	4.1	< 0.020	< 0.5	24.0	< 0.5	< 0.5	< 0.5	69.6	76.1
B2-8.5'	5/5/2016	8.5	< 0.5	< 0.5	111	< 0.5	< 0.5	19.0	10.4	16.5	1.2	< 0.020	< 0.5	12.6	< 0.5	< 0.5	< 0.5	43.3	43.0
B2-14.5'	5/5/2016	14.5	< 0.5	< 0.5	177	< 0.5	< 0.5	28.5	17.1	34.9	3.3	0.026	< 0.5	19.9	< 0.5	< 0.5	< 0.5	62.7	69.7
B2-20.5'	5/5/2016	20.5	< 0.5	< 0.5	173	< 0.5	< 0.5	28.6	15.9	35.6	10.6	0.021	< 0.5	18.7	< 0.5	< 0.5	< 0.5	59.0	75.5
B3-1'	5/4/2016	1.0	< 0.5	< 0.5	163	< 0.5	< 0.5	23.1	12.9	145	19.1	0.033	< 0.5	17.6	< 0.5	< 0.5	< 0.5	51.7	136
B3-4.5'	5/4/2016	4.5	< 0.5	< 0.5	136	< 0.5	< 0.5	23.7	12.2	34.5	2.1	< 0.020	< 0.5	17.5	< 0.5	< 0.5	< 0.5	49.4	54.3
B3-8.5'	5/4/2016	8.5	< 0.5	< 0.5	122	< 0.5	< 0.5	19.8	10.3	19.7	2.6	< 0.020	< 0.5	12.8	< 0.5	< 0.5	< 0.5	46.0	43.4
B3-14.5'	5/4/2016	14.5	< 0.5	< 0.5	173	< 0.5	< 0.5	26.8	14.9	33.4	2.9	< 0.020	< 0.5	18.7	< 0.5	< 0.5	< 0.5	58.4	65.1
B3-20.5'	5/4/2016	20.5	< 0.5	< 0.5	130	< 0.5	< 0.5	18.5	11.1	28.0	3.7	0.039	< 0.5	12.8	< 0.5	< 0.5	< 0.5	43.1	52.4
B4-1'	5/4/2016	1.0	< 0.5	2.3	182	< 0.5	0.8	25.9	11.7	133	108¹	0.027	< 0.5	19.7	< 0.5	< 0.5	< 0.5	44.3	1,580
B4-4.5'	5/4/2016	4.5	< 0.5	< 0.5	151	< 0.5	< 0.5	26.4	13.7	32.3	2.7	< 0.020	< 0.5	17.7	< 0.5	< 0.5	< 0.5	58.8	880
B4-4.5D	5/4/2016	4.5	< 0.5	< 0.5	97.6	< 0.5	< 0.5	6.7	5.8	20.6	0.8	< 0.020	< 0.5	3.5	< 0.5	< 0.5	< 0.5	29.2	233
B4-8.5'	5/4/2016	8.5	< 0.5	< 0.5	91.6	< 0.5	< 0.5	14.5	8.0	15.1	0.7	< 0.020	< 0.5	9.2	< 0.5	< 0.5	< 0.5	37.2	38.2
B4-14.5'	5/4/2016	14.5	< 0.5	< 0.5	138	< 0.5	< 0.5	22.2	13.2	23.0	3.3	< 0.020	< 0.5	14.1	< 0.5	< 0.5	< 0.5	48.0	54.6
B4-20.5'	5/4/2016	20.5	< 0.5	< 0.5	176	< 0.5	< 0.5	28.2	15.5	35.4	3.8	0.030	< 0.5	19.7	< 0.5	< 0.5	< 0.5	62.8	68.5
B5-1'	5/4/2016	1.0	< 0.5	< 0.5	66.2	< 0.5	< 0.5	16.4	10.4	10.7	< 0.5	0.038	< 0.5	8.7	< 0.5	< 0.5	< 0.5	27.4	37.6
B5-4.5'	5/4/2016	4.5	< 0.5	< 0.5	215	< 0.5	< 0.5	16.2	10.6	17.2	1.1	0.047	< 0.5	11.1	< 0.5	< 0.5	< 0.5	45.0	45.4
B5-8.5'	5/4/2016	8.5	< 0.5	< 0.5	162	< 0.5	< 0.5	25.3	13.8	28.0	2.4	< 0.020	< 0.5	18.1	< 0.5	< 0.5	< 0.5	52.9	56.8
B5-14.5'	5/4/2016	14.5	< 0.5	< 0.5	168	< 0.5	< 0.5	25.0	15.1	28.4	2.3	< 0.020	< 0.5	17.2	< 0.5	< 0.5	< 0.5	57.6	62.0
B5-20.5'	5/4/2016	20.5	< 0.5	< 0.5	178	< 0.5	< 0.5	29.4	16.8	35.0	3.4	< 0.020	< 0.5	20.2	< 0.5	< 0.5	< 0.5	64.2	70.6
B6-1'	5/4/2016	1.0	< 0.5	< 0.5	153	< 0.5	< 0.5	24.0	13.5	24.6	2.2	< 0.020	< 0.5	16.0	< 0.5	< 0.5	< 0.5	52.8	58.2
B6-4.5'	5/4/2016	4.5	< 0.5	< 0.5	125	< 0.5	< 0.5	16.1	10.1	17.9	1.0	0.044	< 0.5	11.4	< 0.5	< 0.5	< 0.5	43.2	41.1
B6-8.5'	5/4/2016	8.5	< 0.5	< 0.5	197	< 0.5	< 0.5	31.8	18.7	37.9	5.1	< 0.020	< 0.5	23.6	< 0.5	< 0.5	< 0.5	67.3	78.0
B6-14.5'	5/4/2016	14.5	< 0.5	< 0.5	90.7	< 0.5	< 0.5	10.9	7.1	11.9	< 0.5	< 0.020	< 0.5	6.8	< 0.5	< 0.5	< 0.5	32.8	32.9
B6-20.5'	5/4/2016	20.5	< 0.5	< 0.5	194	< 0.5	< 0.5	30.0	18.4	35.6	4.2	< 0.020	< 0.5	21.7	< 0.5	< 0.5	< 0.5	66.8	67.6

Table 5
Summary of CAM-17 Metals (mg/kg) Detected in Soil Samples
SJ4 Burbank, LLC Site
777 North Front Street, Burbank, California

Sample Identification	Date Sampled	Depth (ft bgs)	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
B7-1'	5/5/2016	1.0	< 0.5	< 0.5	128	< 0.5	< 0.5	17.9	11.0	22.6	59.6¹	0.030	< 0.5	10.8	< 0.5	< 0.5	< 0.5	41.1	62.8
B7-4.5'	5/5/2016	4.5	< 0.5	< 0.5	189	< 0.5	< 0.5	29.7	16.9	33.4	3.8	0.036	< 0.5	20.5	< 0.5	< 0.5	< 0.5	63.5	70.5
B7-8.5'	5/5/2016	8.5	< 0.5	< 0.5	81.2	< 0.5	< 0.5	17.8	8.0	19.7	0.7	< 0.020	< 0.5	16.9	< 0.5	< 0.5	< 0.5	33.8	32.3
B7-14.5'	5/5/2016	14.5	< 0.5	< 0.5	106	< 0.5	< 0.5	19.0	10.8	19.3	1.0	< 0.020	< 0.5	11.4	< 0.5	< 0.5	< 0.5	44.1	44.0
B7-20.5'	5/5/2016	20.5	< 0.5	< 0.5	267	< 0.5	< 0.5	29.7	19.1	40.2	3.9	< 0.020	< 0.5	23.0	< 0.5	< 0.5	< 0.5	67.7	75.2
B8-1'	5/5/2016	1.0	< 0.5	< 0.5	87.8	< 0.5	< 0.5	10.2	7.6	12.3	2.5	0.022	< 0.5	6.8	< 0.5	< 0.5	< 0.5	28.2	40.4
B8-4.5'	5/5/2016	4.5	< 0.5	< 0.5	184	< 0.5	< 0.5	29.5	17.0	32.0	2.8	< 0.020	< 0.5	20.8	< 0.5	< 0.5	< 0.5	64.3	67.8
B8-8.5'	5/5/2016	8.5	< 0.5	< 0.5	153	< 0.5	< 0.5	22.4	13.8	25.2	1.8	< 0.020	< 0.5	15.5	< 0.5	< 0.5	< 0.5	52.9	50.6
B8-8.5D	5/5/2016	8.5	< 0.5	< 0.5	131	< 0.5	< 0.5	21.8	13.2	23.7	1.9	< 0.020	< 0.5	15.3	< 0.5	< 0.5	< 0.5	50.5	48.9
B8-14.5'	5/5/2016	14.5	< 0.5	< 0.5	97.0	< 0.5	< 0.5	16.0	8.2	14.8	0.9	< 0.020	< 0.5	9.0	< 0.5	< 0.5	< 0.5	37.2	36.7
B8-20.5'	5/5/2016	20.5	< 0.5	< 0.5	131	< 0.5	< 0.5	22.4	13.2	22.4	2.2	< 0.020	< 0.5	15.3	< 0.5	< 0.5	< 0.5	50.6	53.9
B9-1'	5/5/2016	1.0	< 0.5	< 0.5	116	< 0.5	< 0.5	14.3	10.0	18.0	4.7	< 0.020	< 0.5	9.8	< 0.5	< 0.5	< 0.5	37.2	57.0
B9-4.5'	5/5/2016	4.5	< 0.5	< 0.5	190	< 0.5	< 0.5	29.5	16.7	33.3	3.0	< 0.020	< 0.5	21.0	< 0.5	< 0.5	< 0.5	62.8	68.4
B9-8.5'	5/5/2016	8.5	< 0.5	< 0.5	158	< 0.5	< 0.5	25.7	14.2	25.8	2.1	< 0.020	< 0.5	17.7	< 0.5	< 0.5	< 0.5	56.0	56.1
B9-14.5'	5/5/2016	14.5	< 0.5	< 0.5	124	< 0.5	< 0.5	13.6	9.8	15.2	< 0.5	< 0.020	< 0.5	8.6	< 0.5	< 0.5	< 0.5	41.5	39.2
B9-20.5'	5/5/2016	20.5	< 0.5	< 0.5	215	< 0.5	< 0.5	29.2	17.5	36.9	4.1	0.028	< 0.5	21.2	< 0.5	< 0.5	< 0.5	65.0	68.2
B9-25.5'	5/5/2016	25.5	< 0.5	< 0.5	111	< 0.5	< 0.5	17.7	10.3	18.8	2.3	< 0.020	< 0.5	11.3	< 0.5	< 0.5	< 0.5	43.3	46.0
B9-30.5'	5/5/2016	30.5	< 0.5	< 0.5	112	< 0.5	< 0.5	18.7	11.0	20.1	2.1	< 0.020	< 0.5	12.4	< 0.5	< 0.5	< 0.5	49.9	44.6
B10-1'	5/5/2016	1.0	< 0.5	< 0.5	169	< 0.5	< 0.5	24.6	14.1	25.6	5.2	< 0.020	< 0.5	16.7	< 0.5	< 0.5	< 0.5	56.1	69.3
B10-4.5'	5/5/2016	4.5	< 0.5	< 0.5	221	< 0.5	< 0.5	29.6	18.1	36.5	3.1	< 0.020	< 0.5	22.0	< 0.5	< 0.5	< 0.5	66.7	73.7
B10-8.5'	5/5/2016	8.5	< 0.5	< 0.5	236	< 0.5	< 0.5	34.6	19.6	39.3	3.4	< 0.020	< 0.5	24.9	< 0.5	< 0.5	< 0.5	72.6	77.3
B10-14.5'	5/5/2016	14.5	< 0.5	< 0.5	97.8	< 0.5	< 0.5	13.6	8.2	13.6	< 0.5	< 0.020	< 0.5	8.4	< 0.5	< 0.5	< 0.5	38.2	35.5
B10-20.5'	5/5/2016	20.5	< 0.5	< 0.5	222	< 0.5	< 0.5	30.7	18.6	35.6	3.0	0.021	< 0.5	22.1	< 0.5	< 0.5	< 0.5	71.0	71.3
B10-25.5'	5/5/2016	25.5	< 0.5	< 0.5	214	< 0.5	< 0.5	30.4	15.9	51.5	3.1	< 0.020	< 0.5	19.9	< 0.5	< 0.5	< 0.5	79.8	65.6
B10-30.5'	5/5/2016	30.5	< 0.5	< 0.5	139	< 0.5	< 0.5	16.0	13.5	18.2	1.8	< 0.020	< 0.5	12.5	< 0.5	< 0.5	< 0.5	48.6	53.1

Table 5
Summary of CAM-17 Metals (mg/kg) Detected in Soil Samples
SJ4 Burbank, LLC Site
777 North Front Street, Burbank, California

Sample Identification	Date Sampled	Depth (ft bgs)	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
B11-1'	5/5/2016	1.0	< 0.5	< 0.5	152	< 0.5	< 0.5	22.3	12.7	29.4	3.3	< 0.020	< 0.5	15.9	< 0.5	< 0.5	< 0.5	50.0	122
B11-4.5'	5/5/2016	4.5	< 0.5	< 0.5	206	< 0.5	< 0.5	30.2	17.1	30.5	2.8	< 0.020	< 0.5	20.7	< 0.5	< 0.5	< 0.5	64.8	77.6
B11-8.5'	5/5/2016	8.5	< 0.5	< 0.5	221	< 0.5	< 0.5	33.9	18.7	42.7	3.1	< 0.020	< 0.5	24.6	< 0.5	< 0.5	< 0.5	71.7	77.0
B11-14.5'	5/5/2016	14.5	< 0.5	< 0.5	199	< 0.5	< 0.5	31.6	17.8	32.6	3.2	< 0.020	< 0.5	21.4	< 0.5	< 0.5	< 0.5	67.3	77.7
B11-20.5'	5/5/2016	20.5	< 0.5	< 0.5	174	< 0.5	< 0.5	24.7	14.8	28.8	1.8	< 0.020	< 0.5	17.3	< 0.5	< 0.5	< 0.5	59.8	61.5
B12-1'	5/5/2016	1.0	< 0.5	< 0.5	221	< 0.5	< 0.5	32.8	21.3	35.6	5.8	< 0.020	< 0.5	23.4	< 0.5	< 0.5	< 0.5	73.1	86.3
B12-5'	5/5/2016	5.0	< 0.5	< 0.5	218	< 0.5	< 0.5	32.4	18.2	34.3	3.1	< 0.020	< 0.5	23.3	< 0.5	< 0.5	< 0.5	68.0	75.4
B12-5'D	5/5/2016	5.0	< 0.5	< 0.5	252	< 0.5	< 0.5	34.5	19.5	37.2	3.4	< 0.020	< 0.5	24.7	< 0.5	< 0.5	< 0.5	72.9	79.9
B12-11'	5/5/2016	11.0	< 0.5	< 0.5	218	< 0.5	< 0.5	34.2	18.8	36.0	2.7	< 0.020	< 0.5	23.3	< 0.5	< 0.5	< 0.5	70.3	78.6
B12-17'	5/5/2016	17.0	< 0.5	< 0.5	198	< 0.5	< 0.5	30.3	17.2	31.1	2.6	< 0.020	< 0.5	20.6	< 0.5	< 0.5	< 0.5	68.7	73.8
B13-1'	5/6/2016	1.0	< 0.5	< 0.5	181	< 0.5	< 0.5	30.7	16.1	29.8	8.5	< 0.020	< 0.5	19.2	< 0.5	< 0.5	< 0.5	65.3	83.1
B13-5'	5/6/2016	5.0	< 0.5	< 0.5	226	< 0.5	< 0.5	35.3	20.9	48.2	10.6	< 0.020	< 0.5	28.3	< 0.5	< 0.5	< 0.5	75.3	236
B13-11'	5/6/2016	11.0	< 0.5	< 0.5	226	< 0.5	< 0.5	32.8	20.6	37.0	3.2	< 0.020	< 0.5	24.3	< 0.5	< 0.5	< 0.5	71.1	82.0
B13-17'	5/6/2016	17.0	< 0.5	< 0.5	204	< 0.5	< 0.5	28.2	17.6	30.2	2.6	< 0.020	< 0.5	20.5	< 0.5	< 0.5	< 0.5	65.8	69.3
B14-1'	5/6/2016	1.0	< 0.5	< 0.5	88.8	< 0.5	< 0.5	52.2¹	15.2	26.5	23.9	< 0.020	< 0.5	28.5	< 0.5	< 0.5	< 0.5	60.8	68.8
B14-5'	5/6/2016	5.0	< 0.5	< 0.5	84.3	< 0.5	< 0.5	6.7	5.6	10.3	< 0.5	< 0.020	< 0.5	2.3	< 0.5	< 0.5	< 0.5	38.7	21.7
B14-11'	5/6/2016	11.0	< 0.5	< 0.5	179	< 0.5	< 0.5	26.7	15.2	28.8	2.1	< 0.020	< 0.5	18.9	< 0.5	< 0.5	< 0.5	57.1	63.5
B14-17'	5/6/2016	17.0	< 0.5	< 0.5	190	< 0.5	< 0.5	30.6	15.8	30.9	3.0	< 0.020	< 0.5	20.2	< 0.5	< 0.5	< 0.5	63.1	68.5
B15-1'	5/6/2016	1.0	< 0.5	< 0.5	47.5	< 0.5	< 0.5	45.4	16.0	19.5	7.8	< 0.020	< 0.5	27.5	< 0.5	< 0.5	< 0.5	51.6	52.6
B15-4'	5/6/2016	4.0	< 0.5	< 0.5	253	< 0.5	< 0.5	24.4	13.0	23.8	6.2	0.042	< 0.5	24.3	< 0.5	< 0.5	< 0.5	69.2	62.4
B15-5'	5/6/2016	5.0	< 0.5	< 0.5	130	< 0.5	< 0.5	27.8	6.9	15.5	3.6	< 0.020	< 0.5	20.5	< 0.5	< 0.5	< 0.5	48.8	35.1
LB1-1'	5/6/2016	1.0	< 0.5	< 0.5	148	< 0.5	< 0.5	24.9	12.8	26.1	5.6	< 0.020	< 0.5	17.1	< 0.5	< 0.5	< 0.5	46.7	65.9
LB1-4.5'	5/6/2016	4.5	< 0.5	< 0.5	145	< 0.5	< 0.5	22.8	13.1	26.9	4.1	< 0.020	< 0.5	15.4	< 0.5	< 0.5	< 0.5	51.7	60.9
LB1-8.5'	5/6/2016	8.5	< 0.5	< 0.5	210	< 0.5	< 0.5	28.7	17.2	28.5	2.0	< 0.020	< 0.5	20.6	< 0.5	< 0.5	< 0.5	62.5	74.7
LB1-14.5'	5/6/2016	14.5	< 0.5	< 0.5	212	< 0.5	< 0.5	31.4	19.7	44.6	3.9	< 0.020	< 0.5	23.3	< 0.5	< 0.5	< 0.5	72.0	82.0

Table 5
Summary of CAM-17 Metals (mg/kg) Detected in Soil Samples
SJ4 Burbank, LLC Site
777 North Front Street, Burbank, California

Sample Identification	Date Sampled	Depth (ft bgs)	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
LB1-20.5'	5/6/2016	20.5	< 0.5	< 0.5	156	< 0.5	< 0.5	26.0	16.1	35.9	6.0	0.024	< 0.5	19.1	< 0.5	< 0.5	< 0.5	58.8	68.3
LB2-1'	5/6/2016	1.0	< 0.5	< 0.5	59.5	< 0.5	< 0.5	7.0	4.5	9.3	0.8	< 0.020	< 0.5	14.0	< 0.5	< 0.5	< 0.5	37.5	27.4
LB2-4.5'	5/6/2016	4.5	< 0.5	< 0.5	246	< 0.5	< 0.5	8.1	19.2	17.9	1.4	< 0.020	< 0.5	8.2	< 0.5	< 0.5	< 0.5	83.8	58.6
LB2-8.5'	5/6/2016	8.5	< 0.5	< 0.5	188	< 0.5	< 0.5	27.4	17.3	30.7	2.7	< 0.020	< 0.5	17.9	< 0.5	< 0.5	< 0.5	65.6	71.5
LB2-14.5'	5/6/2016	14.5	< 0.5	< 0.5	191	< 0.5	< 0.5	28.2	17.5	30.7	2.6	< 0.020	< 0.5	20.6	< 0.5	< 0.5	< 0.5	64.8	68.6
LB2-20.5'	5/6/2016	20.5	< 0.5	< 0.5	250	< 0.5	< 0.5	32.8	21.6	44.9	4.3	< 0.020	< 0.5	25.4	< 0.5	< 0.5	< 0.5	73.9	83.2
LB3-1'	5/6/2016	1.0	< 0.5	< 0.5	146	< 0.5	< 0.5	26.4	11.0	64.4	40.3	< 0.020	< 0.5	15.6	< 0.5	< 0.5	< 0.5	41.0	985
LB3-1'-D	5/6/2016	1.0	< 0.5	< 0.5	194	< 0.5	< 0.5	28.7	16.2	37.2	5.4	< 0.020	< 0.5	21.2	< 0.5	< 0.5	< 0.5	63.1	104
LB3-4.5'	5/6/2016	4.5	< 0.5	< 0.5	184	< 0.5	< 0.5	32.4	17.5	38.3	4.2	< 0.020	< 0.5	24.0	< 0.5	< 0.5	< 0.5	66.3	77.2
LB3-8.5'	5/6/2016	8.5	< 0.5	< 0.5	94.4	< 0.5	< 0.5	6.6	6.3	6.8	0.9	0.046	< 0.5	5.1	< 0.5	< 0.5	< 0.5	22.0	56.4
LB3-14.5'	5/6/2016	14.5	< 0.5	< 0.5	162	< 0.5	< 0.5	22.7	13.9	25.0	2.3	0.021	< 0.5	16.3	< 0.5	< 0.5	< 0.5	54.9	57.9
LB3-20.5'	5/6/2016	20.5	< 0.5	< 0.5	173	< 0.5	< 0.5	30.5	16.9	31.0	3.4	< 0.020	< 0.5	21.5	< 0.5	< 0.5	< 0.5	66.2	71.5
LB4-1'	5/5/2016	1.0	< 0.5	< 0.5	159	< 0.5	< 0.5	19.1	10.3	61.3	11.9	< 0.020	< 0.5	17.9	< 0.5	< 0.5	< 0.5	45.8	684
LB4-4.5'	5/5/2016	4.5	< 0.5	< 0.5	126	< 0.5	< 0.5	18.4	10.4	21.7	1.6	< 0.020	< 0.5	12.3	< 0.5	< 0.5	< 0.5	44.2	48.0
LB4-8.5'	5/5/2016	8.5	< 0.5	< 0.5	120	< 0.5	< 0.5	19.6	9.8	22.2	1.6	< 0.020	< 0.5	12.1	< 0.5	< 0.5	< 0.5	42.8	46.1
LB4-14.5'	5/5/2016	14.5	< 0.5	< 0.5	153	< 0.5	< 0.5	13.2	9.2	17.6	1.1	< 0.020	< 0.5	7.7	< 0.5	< 0.5	< 0.5	42.8	44.0
LB4-20.5'	5/5/2016	20.5	< 0.5	< 0.5	225	< 0.5	< 0.5	31.2	18.1	38.1	3.6	< 0.020	< 0.5	22.9	< 0.5	< 0.5	< 0.5	68.1	74.8
LB5-1'	5/5/2016	1.0	< 0.5	< 0.5	183	< 0.5	< 0.5	27.2	15.6	33.4	4.9	< 0.020	< 0.5	19.5	< 0.5	< 0.5	< 0.5	57.7	87.7
LB5-1D	5/5/2016	1.0	< 0.5	< 0.5	41.4	< 0.5	< 0.5	22.7	9.8	10.5	1.3	0.026	< 0.5	21.3	< 0.5	< 0.5	< 0.5	31.8	28.4
LB5-4.5'	5/5/2016	4.5	< 0.5	< 0.5	189	< 0.5	< 0.5	26.9	16.2	30.9	2.7	0.052	< 0.5	19.2	< 0.5	< 0.5	< 0.5	59.0	65.2
LB5-8.5'	5/5/2016	8.5	< 0.5	< 0.5	209	< 0.5	< 0.5	35.4	20.3	37.6	4.6	< 0.020	< 0.5	24.8	< 0.5	< 0.5	< 0.5	70.6	79.2
LB5-14.5'	5/5/2016	14.5	< 0.5	< 0.5	85.4	< 0.5	< 0.5	12.9	9.6	15.5	0.9	< 0.020	< 0.5	8.3	< 0.5	< 0.5	< 0.5	41.3	41.4
LB5-20.5'	5/5/2016	20.5	< 0.5	< 0.5	202	< 0.5	< 0.5	31.1	17.2	37.7	4.0	0.021	< 0.5	21.7	< 0.5	< 0.5	< 0.5	66.5	72.0

Table 5
Summary of CAM-17 Metals (mg/kg) Detected in Soil Samples
SJ4 Burbank, LLC Site
777 North Front Street, Burbank, California

Sample Identification	Date Sampled	Depth (ft bgs)	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
LB6-1'	5/5/2016	1.0	< 0.5	< 0.5	260	< 0.5	< 0.5	35.7	19.9	45.6	4.2	< 0.020	< 0.5	26.0	< 0.5	< 0.5	< 0.5	75.1	81.7
LB6-5'	5/5/2016	5.0	< 0.5	< 0.5	205	< 0.5	< 0.5	30.1	17.1	32.6	2.7	< 0.020	< 0.5	21.6	< 0.5	< 0.5	< 0.5	65.4	73.7
LB6-11'	5/5/2016	11.0	< 0.5	< 0.5	190	< 0.5	< 0.5	16.3	28.7	33.3	3.2	< 0.020	< 0.5	20.6	< 0.5	< 0.5	< 0.5	63.2	68.8
LB6-17'	5/5/2016	17.0	< 0.5	< 0.5	147	< 0.5	< 0.5	23.4	13.8	30.7	2.9	< 0.020	< 0.5	15.7	< 0.5	< 0.5	< 0.5	57.3	57.6
LB7-1'	5/5/2016	1.0	< 0.5	< 0.5	166	< 0.5	< 0.5	24.7	14.8	25.8	5.2	< 0.020	< 0.5	17.4	< 0.5	< 0.5	< 0.5	53.4	73.2
LB7-5'	5/5/2016	5.0	< 0.5	< 0.5	201	< 0.5	< 0.5	29.1	16.2	30.2	3.1	< 0.020	< 0.5	20.5	< 0.5	< 0.5	< 0.5	62.3	74.5
LB7-11'	5/5/2016	11.0	< 0.5	< 0.5	161	< 0.5	< 0.5	27.3	14.2	26.8	2.4	< 0.020	< 0.5	18.8	< 0.5	< 0.5	< 0.5	56.9	57.8
LB7-17'	5/5/2016	17.0	< 0.5	< 0.5	165	< 0.5	< 0.5	22.3	13.1	23.0	2.2	< 0.020	< 0.5	14.8	< 0.5	< 0.5	< 0.5	54.0	54.1
LB8-1'	5/5/2016	1.0	< 0.5	< 0.5	179	< 0.5	< 0.5	27.7	14.8	29.4	8.2	< 0.020	< 0.5	19.1	< 0.5	< 0.5	< 0.5	58.1	83.4
LB8-5'	5/5/2016	5.0	< 0.5	< 0.5	227	< 0.5	< 0.5	35.1	20.0	38.2	4.2	0.062	< 0.5	25.4	< 0.5	< 0.5	< 0.5	74.6	82.0
LB8-11'	5/5/2016	11.0	< 0.5	< 0.5	211	< 0.5	< 0.5	30.0	16.4	31.3	2.7	0.023	< 0.5	20.0	< 0.5	< 0.5	< 0.5	64.8	71.7
LB8-17'	5/5/2016	17.0	< 0.5	< 0.5	182	< 0.5	< 0.5	25.8	14.9	26.9	2.4	< 0.020	< 0.5	17.4	< 0.5	< 0.5	< 0.5	61.1	60.4
CA TTLC (mg/kg)			500	500	10,000	75	100	2,500	8,000	2,500	1,000	20	3,500	2,000	100	500	700	2,400	5,000
CA STLC (mg/L)			15	5.0	100	0.75	1.0	5.0	80	25	5.0	0.2	350	20	1.0	5.0	7.0	24	250

Notes:

CA WET = California Waste Extraction Test

ft bgs = Feet below ground surface

mg/kg = Milligrams per kilogram

mg/L = Milligrams per liter

Concentrations reported in mg/kg

< 0.020 = Less than the Practical Quantitation Limit

1.1 = Concentration reported above the Practical Quantitation Limit

CA STLC = California Soluble Threshold Limit Concentration

CA TTLC = California Total Threshold Limit Concentration

NA = Not applicable/not analyzed

¹ = Concentration exceeds 10x the STLC value for the metal; CA WET analysis was performed - see Table 3 for CA WET results. Concentrations exceeding 20x the TCLP value for the metal were not included as a part of CA WET analysis.

² = Concentration exceeds the CA TTLC for the respective metal, lead TTLC is 1,000 mg/kg; copper TTLC is 2,500 mg/kg; zinc TTLC is 5,000 mg/kg.

Soil samples exceeding their respective TTLC require management as a California Hazardous Waste.

Table 6
CAM-17 Metals CA WET Analysis (mg/L) Detected in Soil Samples
SJ4 Burbank, LLC Site
777 North Front Street, Burbank, California

Sample Identification	Date Sampled	Depth (ft bgs)	Chromium WET (mg/L)	Copper WET (mg/L)	Lead WET (mg/L)	Zinc WET (mg/L)
A3-1'	5/4/2016	1.0	NA	26¹	NA	NA
A4-1'	5/4/2016	1.0	NA	3.7	NA	NA
A5B-1'	5/4/2016	1.0	NA	NA	9.8¹	NA
A6-4.5'	5/5/2016	4.5	1.6	NA	5.1¹	NA
A6-8.5'	5/5/2016	8.5	4.8	NA	5.3¹	3.0
A6-14.5'	5/5/2016	14.5	2.7	NA	NA	0.82
A6-20.5'	5/5/2016	20.5	2.3	NA	NA	NA
A7-8.5'	5/5/2016	8.5	NA	42¹	8.3¹	NA
B4-1'	5/4/2016	1.0	NA	NA	0.68	NA
B14-1'	5/6/2016	1.0	0.19	NA	NA	NA
CA STLC (mg/L)			5.0	25	5.0	250

Notes:

ft bgs = Feet below ground surface

mg/L = Milligrams per liter

mg/kg = Milligrams per kilogram

1.1 = Concentration reported above laboratory detection limit

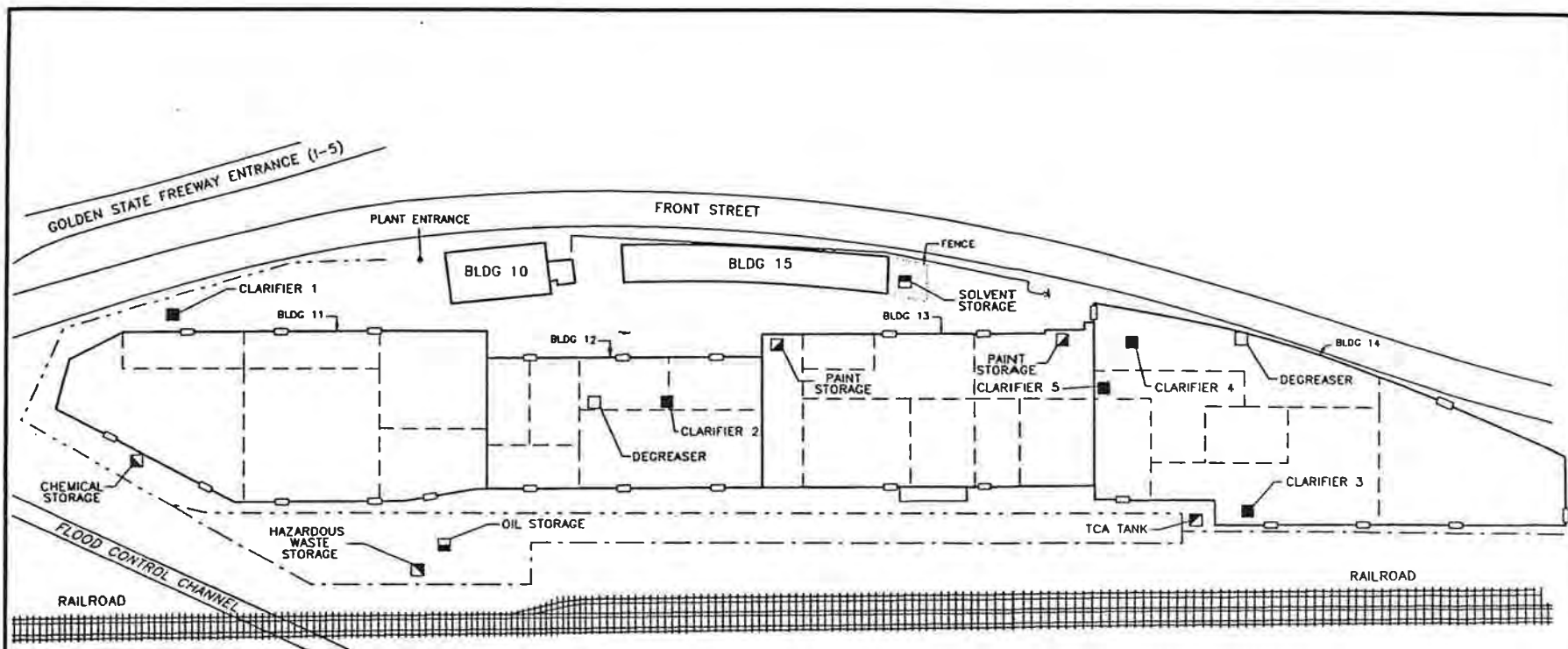
CA STLC = California Soluble Threshold Limit Concentration

NA = Not analyzed

APPENDIX A-1
HYDRO GEO CHEM, INC.
1992 FIGURES



Leighton

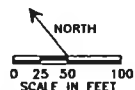


EXPLANATION

--- Boundary Line of Leased Property (Approximate)
 --- Property Line

- | | | | |
|--|-------------------------|--|---------------|
| | CHEMICAL STORAGE | | DEGREASER |
| | HAZARDOUS WASTE STORAGE | | CLARIFIER |
| | SOLVENT STORAGE | | PAINT STORAGE |
| | OIL STORAGE | | TCA TANK |

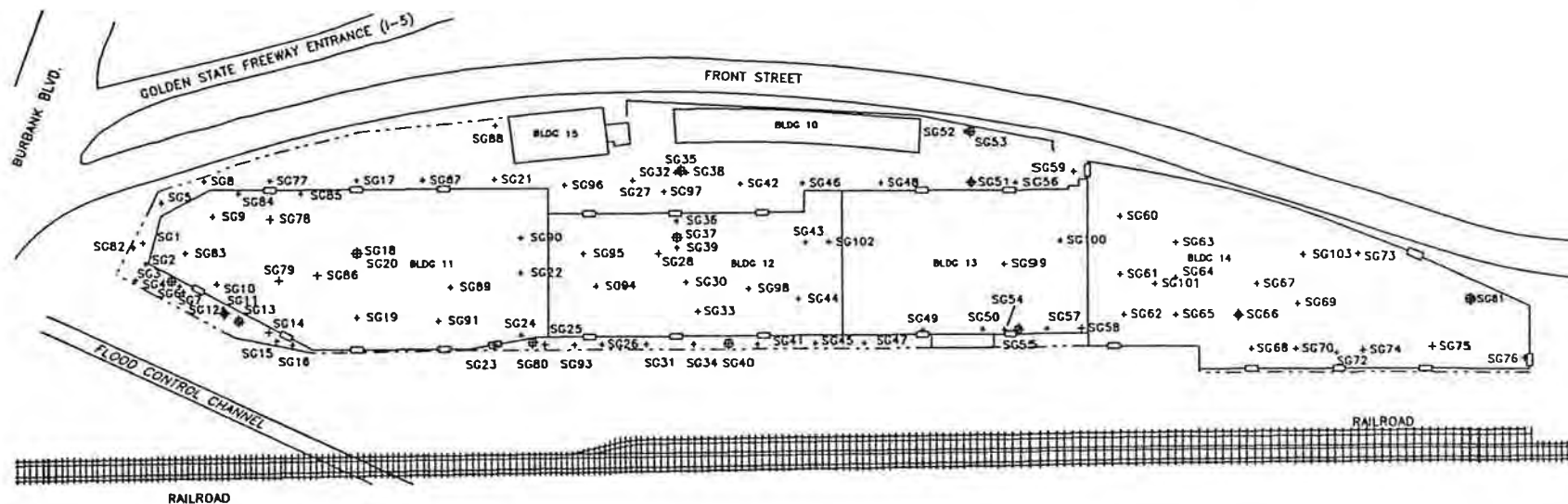
Base map from undated Zero Corporation map, updated and scaled based on field measurements.



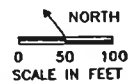
**HYDRO
 GEO
 CHEM, INC.**

FACILITY MAP
 ZERO ENCLOSURES
 777 FRONT STREET, BURBANK, CA.

Approved	Date	Revised	Date	Reference:	FIG.
<i>[Signature]</i>	9/21/92			4652014A	2



Base map from undated
Zero Corporation map,
updated and scaled based
on field measurements.



EXPLANATION

SOIL GAS SAMPLING LOCATIONS

- + APPROX. 5 FT BLS
- ◆ 15 FT BLS
- ◆ >20 FT BLS

CONCENTRATIONS IN $\mu\text{g/L}$. ND= NOT DETECTED

- 100 CONTOUR LINE OF EQUAL SOIL GAS CONCENTRATION
- PROPERTY LINE
- BUILDING ENTRANCE

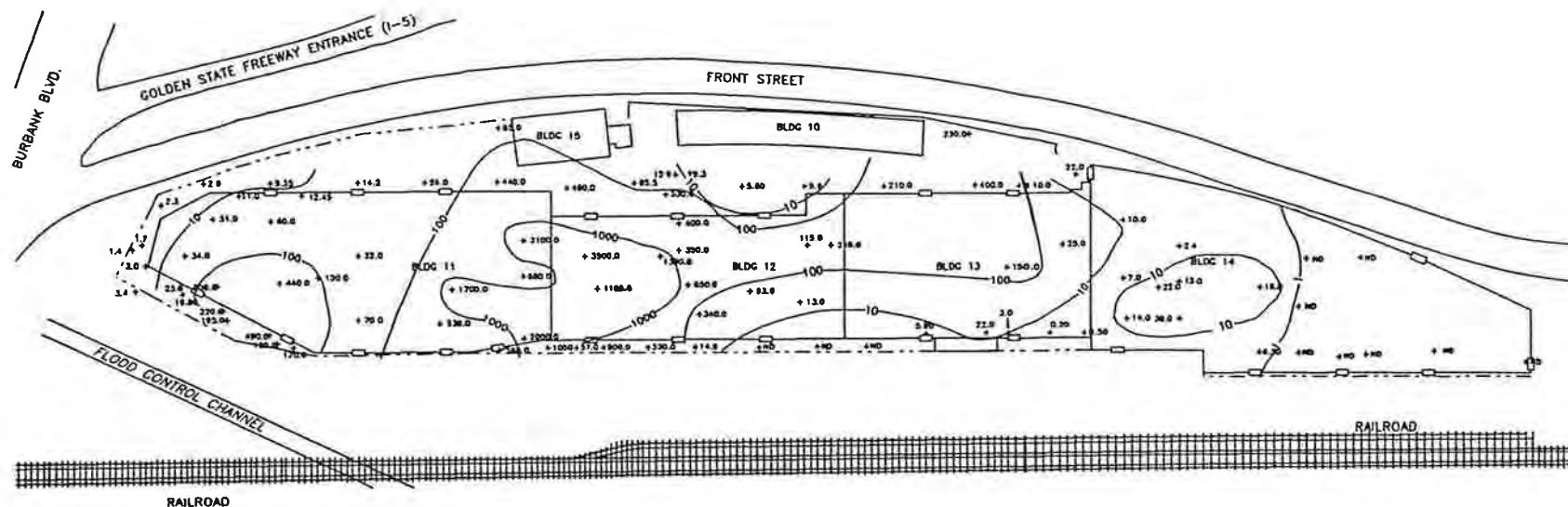


**HYDRO
GEO
CHEM, INC.**

LOCATIONS OF JANUARY 1992 SOIL GAS DRIVE POINTS
ZERO ENCLOSURES
777 FRONT ST., BURBANK, CA

Approved <i>[Signature]</i>	Date 2/20/92	Revised	Date	Reference: 4652001K	FIG. 4
--------------------------------	-----------------	---------	------	------------------------	---------------

5



Base map from undated
Zero Corporation map,
updated and scaled based
on field measurements.

NORTH
0 50 100
SCALE IN FEET

EXPLANATION

SOIL GAS SAMPLING LOCATIONS

- + APPROX. 5 FT BLS
- ◆ 15 FT BLS
- ◆ >20 FT BLS

CONCENTRATIONS IN ug/L ND= NOT DETECTED

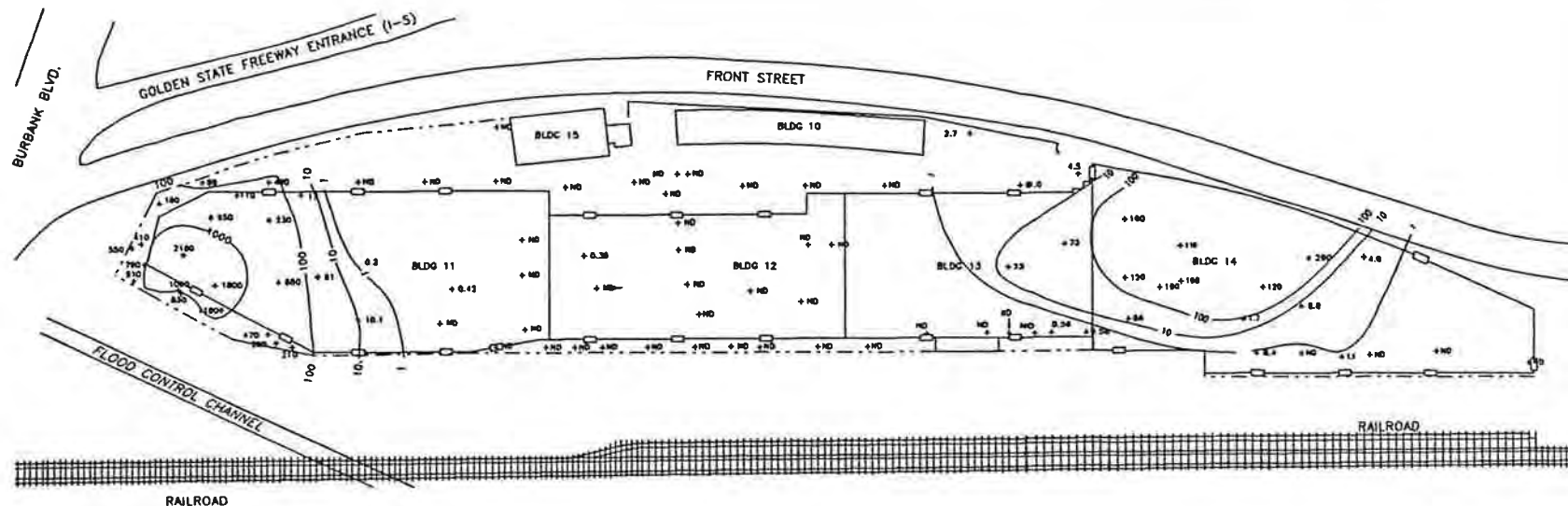
- 100 — CONTOUR LINE OF EQUAL SOIL GAS CONCENTRATION
- - - - - PROPERTY LINE
- BUILDING ENTRANCE



**HYDRO
GEO
CHEM, INC.**

DISTRIBUTION OF PCE IN SHALLOW SOIL GAS SAMPLES, PREVIOUS INVESTIGATION
ZERO ENCLOSURES
777 FRONT ST., BURBANK, CA

Approved	Date	Revised	Date	Reference:	FIG.
<i>[Signature]</i>	1/3/92			4652001K	6



EXPLANATION

SOIL GAS SAMPLING LOCATIONS

- + APPROX. 5 FT BLS
- ⊕ 15 FT BLS
- ◆ >20 FT BLS

CONCENTRATIONS IN ug/L. ND= NOT DETECTED

- 100— CONTOUR LINE OF EQUAL SOIL GAS CONCENTRATION
- - - - - PROPERTY LINE
- BUILDING ENTRANCE

Base map from undated Zero Corporation map, updated and scaled based on field measurements.

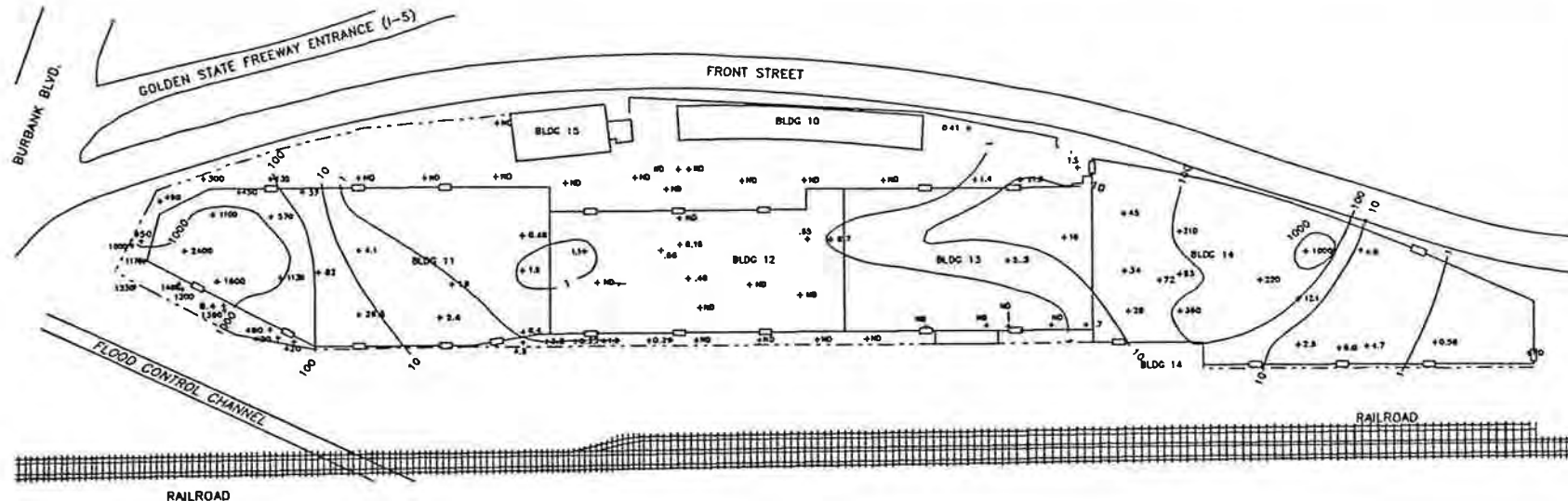
NORTH
0 50 100
SCALE IN FEET



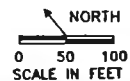
**HYDRO
GEO
CHEM, INC.**

DISTRIBUTION OF 1,1-DCE IN SHALLOW SOIL GAS SAMPLES, PREVIOUS INVESTIGATION
ZERO ENCLOSURES
777 FRONT ST., BURBANK, CA

Approved	Date	Revised	Date	Reference:	FIG.
<i>[Signature]</i>	2/20/92			4652001K	7



Base map from undated
Zero Corporation map,
updated and scaled based
on field measurements.



EXPLANATION

SOIL GAS SAMPLING LOCATIONS

- + APPROX. 5 FT BLS
- ⊕ 15 FT BLS
- ◆ >20 FT BLS

CONCENTRATIONS IN ug/L, ND= NOT DETECTED

- 100 CONTOUR LINE OF EQUAL SOIL GAS CONCENTRATION
- PROPERTY LINE
- BUILDING ENTRANCE



**HYDRO
GEO
CHEM, INC.**

DISTRIBUTION OF 1,1,1-TCA IN SHALLOW SOIL GAS SAMPLES, PREVIOUS INVESTIGATION
ZERO ENCLOSURES
777 FRONT ST., BURBANK, CA

Approved

Date

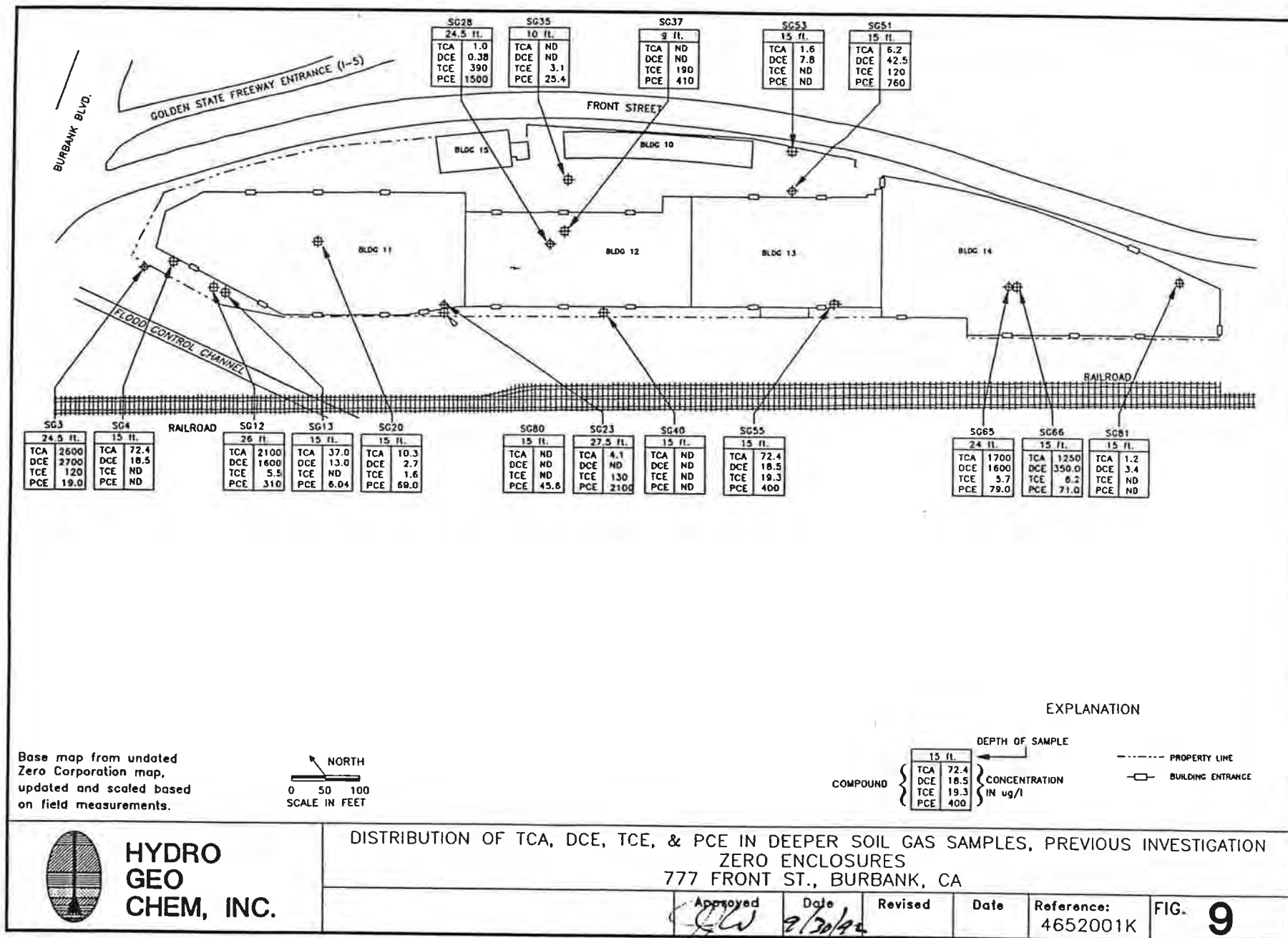
Revised

Date

Reference:
4652001K

FIG.

8



**HYDRO
GEO
CHEM, INC.**

**DISTRIBUTION OF TCA, DCE, TCE, & PCE IN DEEPER SOIL GAS SAMPLES, PREVIOUS INVESTIGATION
ZERO ENCLOSURES
777 FRONT ST., BURBANK, CA**

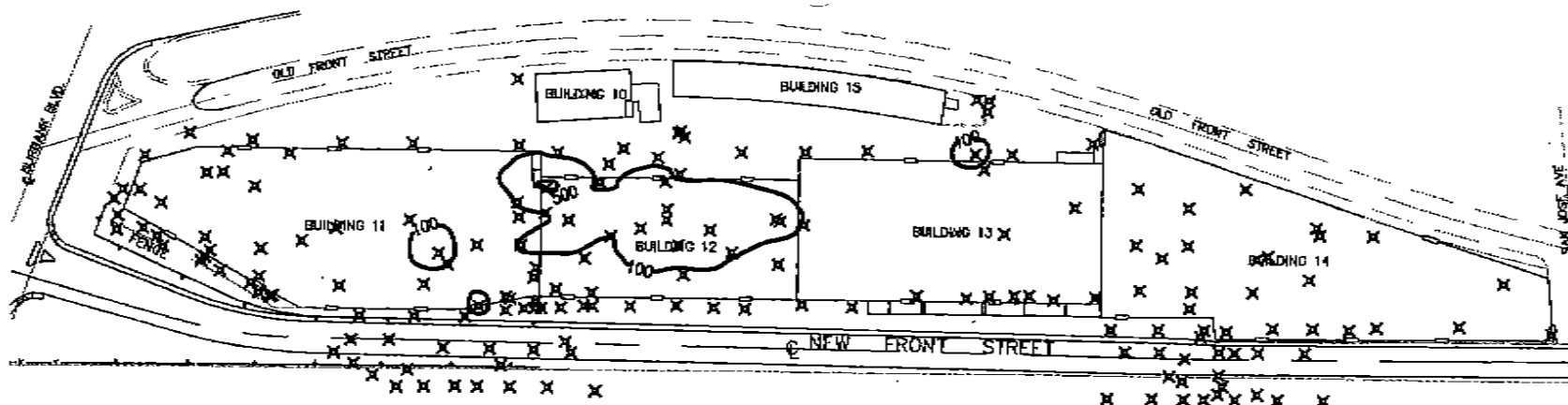
Approved	Date	Revised	Date	Reference:	FIG.
<i>[Signature]</i>	2/20/94			4652001K	9

APPENDIX A-2

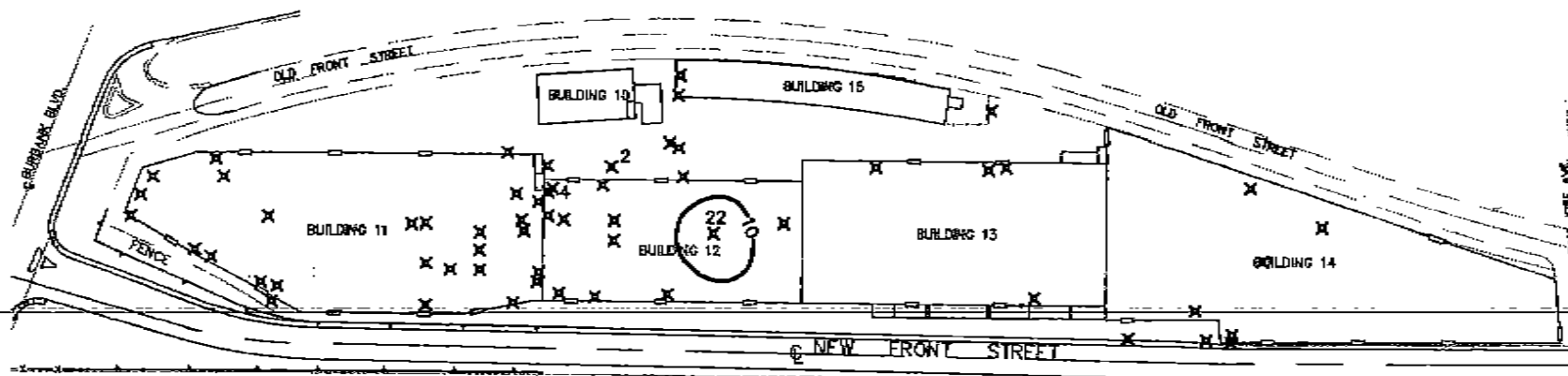
HYDRO GEO CHEM, INC. 2001 FIGURES



Leighton



PRE-REMEDIAL CONDITIONS



EXPLANATION

22 SOIL GAS SAMPLING LOCATION
 x SOIL GAS CONCENTRATION (ug/L)

— 100 — SOIL GAS CONCENTRATION CONTOURS
 (ug/L)

SHALLOW-LEVEL: 0-25 FEET BELOW GRADE

POST-REMEDIAL SAMPLING LOCATIONS
 WITHOUT ASSOCIATED VALUES WERE
 NON-DETECT (<1 ug/L)

POST-REMEDIAL CONDITIONS

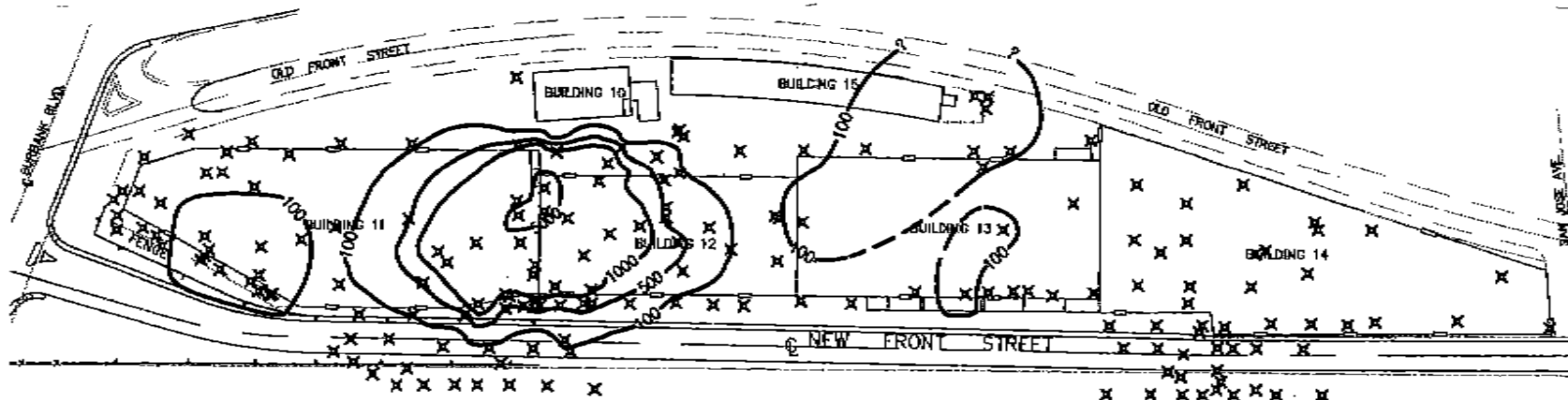
0 100 200 400
 SCALE IN FEET



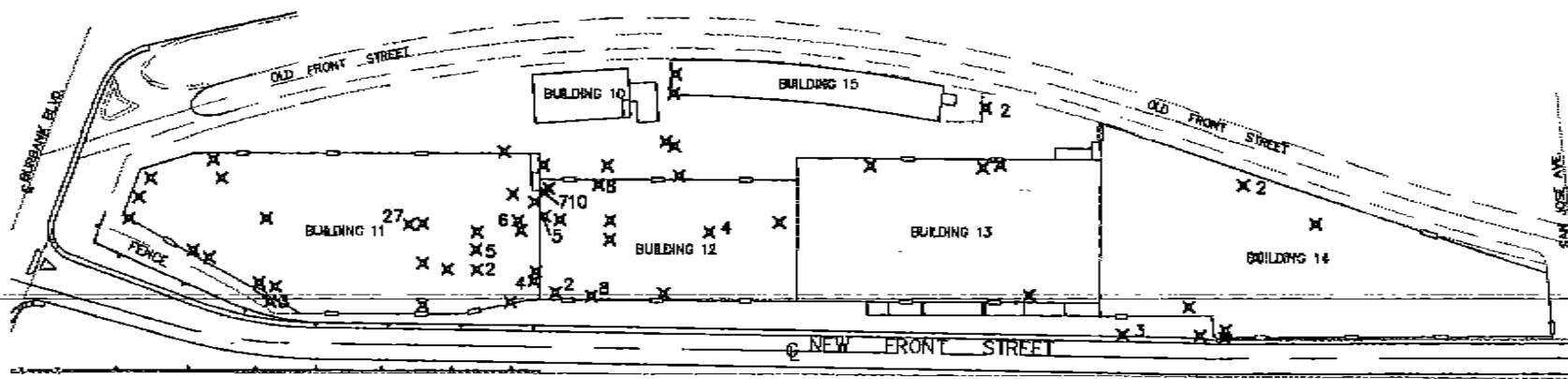
HYDRO
 GEO
 CHEM, INC.

SHALLOW LEVEL TCE SOIL GAS CONCENTRATIONS PRE - AND POST- REMEDIAL CONDITIONS

Approved	Date	Revised	Date	Reference:	FIG.
JM	3/01/01			4650551A	14



PRE-REMEDIAL CONDITIONS



EXPLANATION

27 SOIL GAS SAMPLING LOCATION,
x SOIL GAS CONCENTRATION (ug/L)

—100— SOIL GAS CONCENTRATION CONTOURS
(ug/L)

SHALLOW-LEVEL: 0-25 FEET BELOW GRADE
POST-REMEDIAL SAMPLING LOCATIONS
WITHOUT ASSOCIATED VALUES WERE
NON-DETECT (<1 ug/L)

POST-REMEDIAL CONDITIONS

0 100 200 400
SCALE IN FEET



HYDRO
GEO
CHEM, INC.

SHALLOW LEVEL PCE SOIL GAS CONCENTRATIONS
PRE- AND POST-REMEDIAL CONDITIONS

Approved
JM

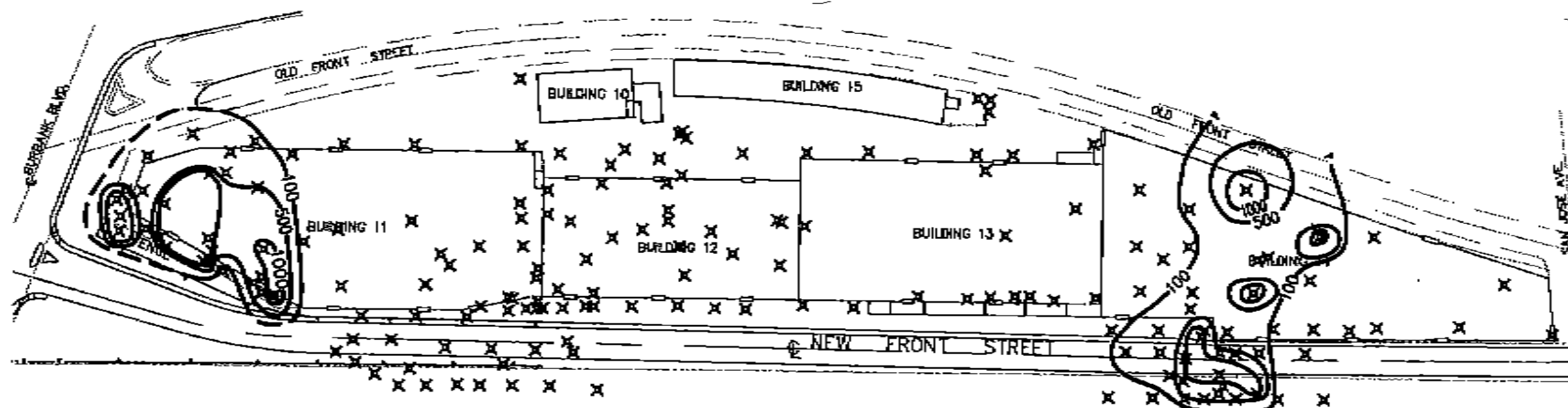
Date
3/01/01

Revised

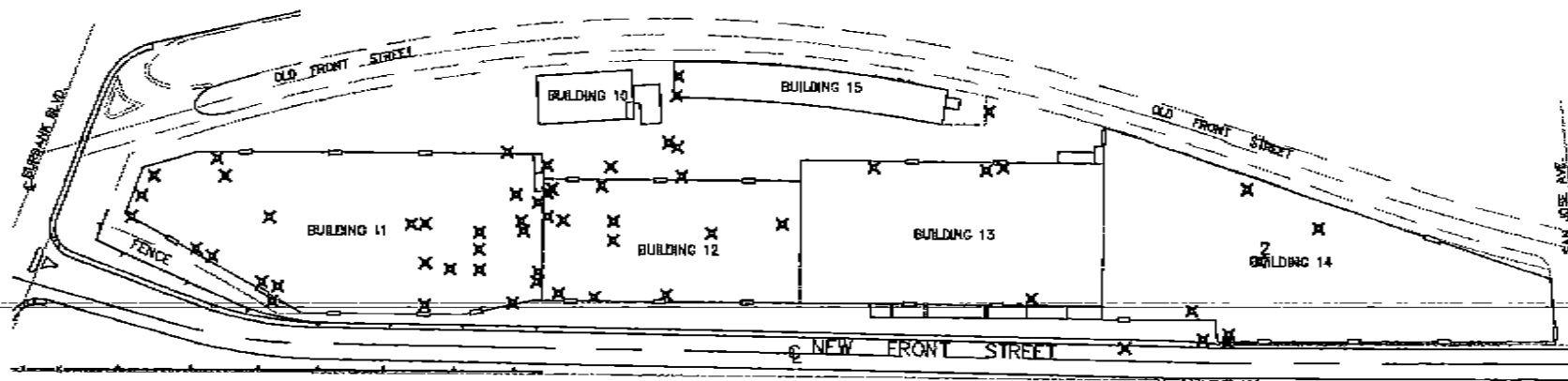
Date

Reference:
4650550A

FIG. 15



PRE-REMEDIAL CONDITIONS



EXPLANATION

- 2 SOIL GAS SAMPLING LOCATION,
 x SOIL GAS CONCENTRATION (ug/L)

— 100 — SOIL GAS CONCENTRATION CONTOURS
 (ug/L)

SHALLOW-LEVEL: 0-25 FEET BELOW GRADE

POST-REMEDIAL LOCATIONS
 WITHOUT ASSOCIATED VALUES
 WERE NON-DETECT (<1 ug/L)

POST-REMEDIAL CONDITIONS

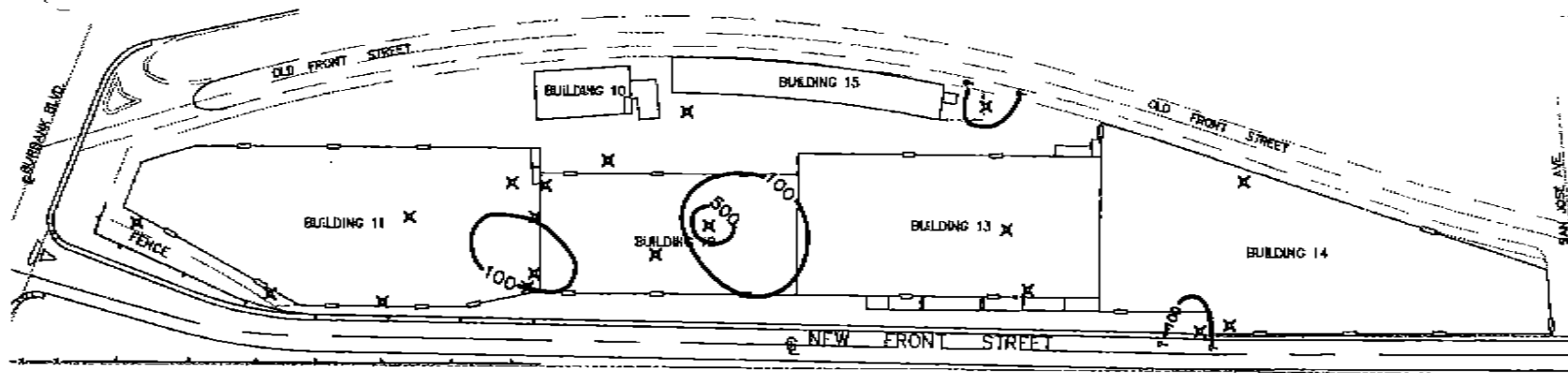
0 100 200 400
 SCALE IN FEET



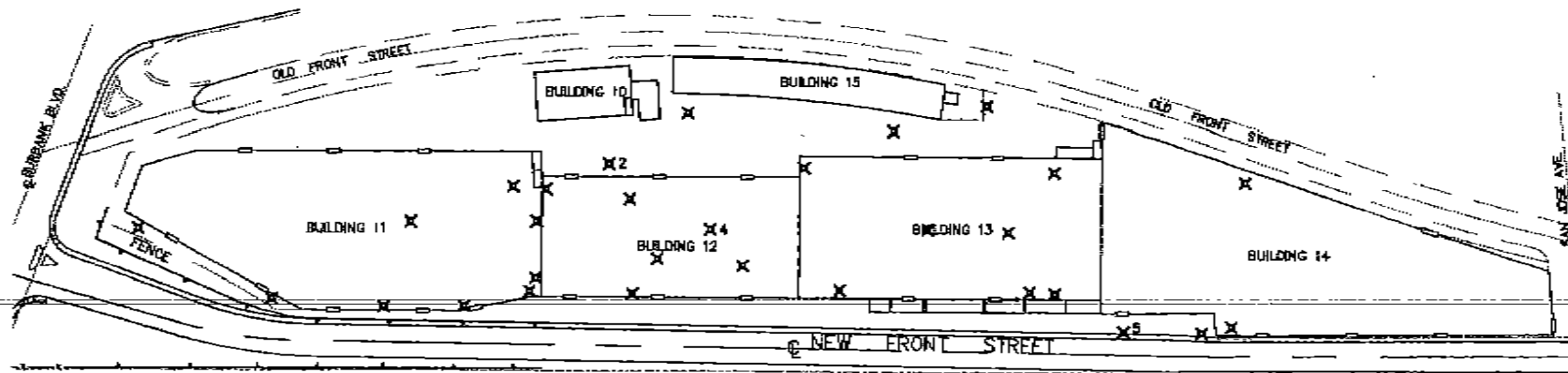
HYDRO
 GEO
 CHEM, INC.

SHALLOW LEVEL 1,1-TCA SOIL GAS CONCENTRATIONS PRE- AND POST-REMEDIAL CONDITIONS

Approved	Date	Revised	Date	Reference:	FIG.
JM	3/01/01			4650552A	16



PRE-REMEDIAL CONDITIONS



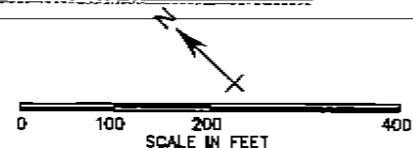
EXPLANATION

- 4 SOIL GAS SAMPLING LOCATION,
- x SOIL GAS CONCENTRATION (ug/L)
- 100— SOIL GAS CONCENTRATION CONTOURS (ug/L)

MID-LEVEL: 25-60 FEET BELOW GRADE

POST-REMEDIAL LOCATIONS
WITHOUT ASSOCIATED VALUES
WERE NON-DETECT (<1 ug/L)

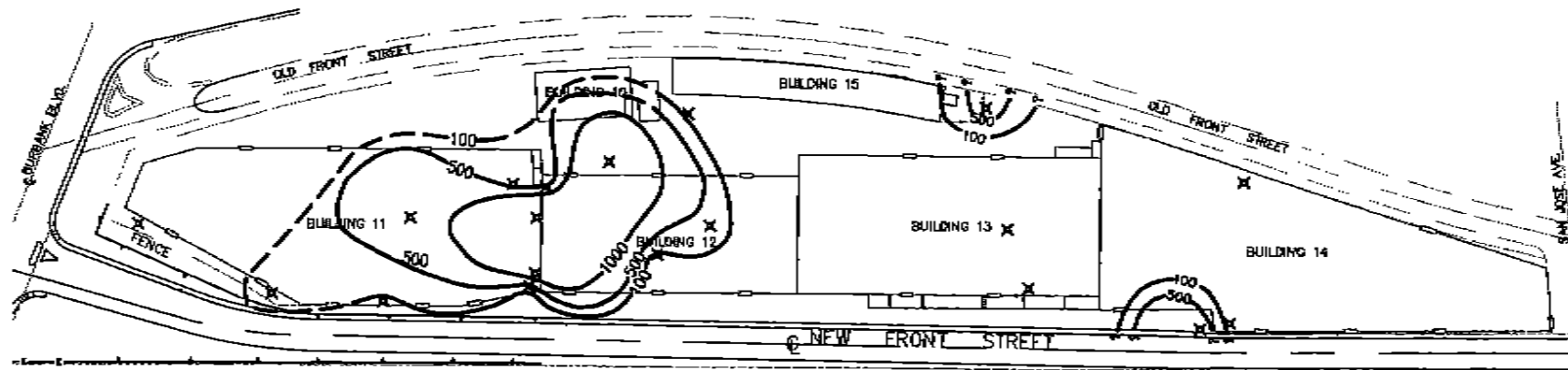
POST-REMEDIAL CONDITIONS



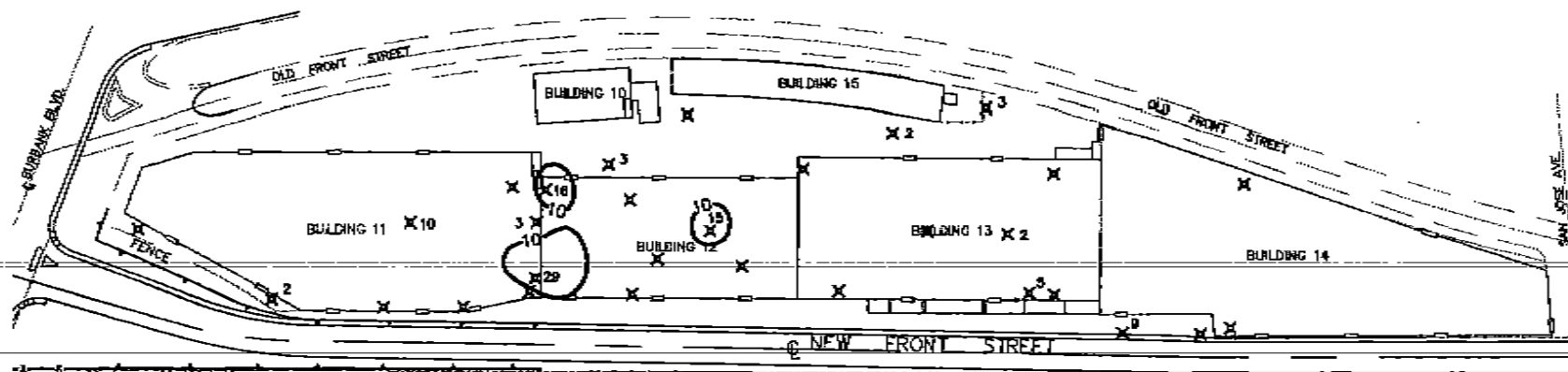
HYDRO
GEO
CHEM, INC.

MID-LEVEL TCE SOIL GAS CONCENTRATIONS PRE- AND POST-REMEDIAL CONDITIONS

Approved	Date	Revised	Date	Reference:	FIG.
JM	3/01/01			4650548A	17



PRE-REMEDIAL CONDITIONS



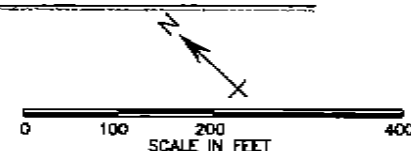
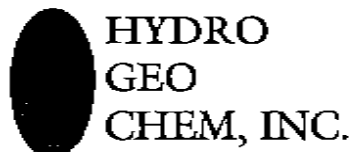
EXPLANATION

- 2 SOIL GAS SAMPLING LOCATION,
x SOIL GAS CONCENTRATION (ug/L)
- 100 — SOIL GAS CONCENTRATION CONTOURS
(ug/L)

MID-LEVEL: 25-60 FEET BELOW GRADE

POST-REMEDIAL LOCATIONS
WITHOUT ASSOCIATED VALUES
WERE NON-DETECT (<1 ug/L)

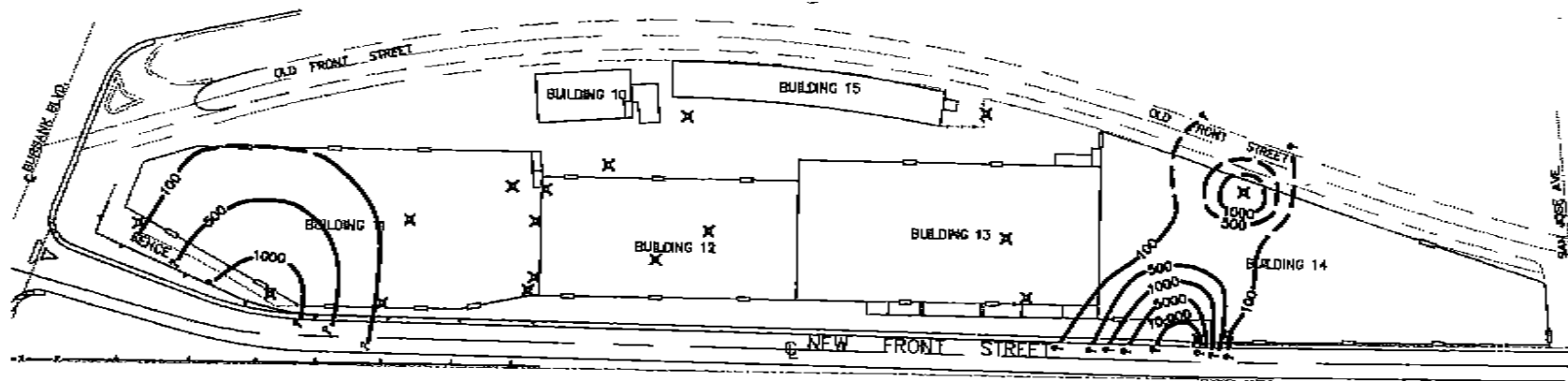
POST-REMEDIAL CONDITIONS



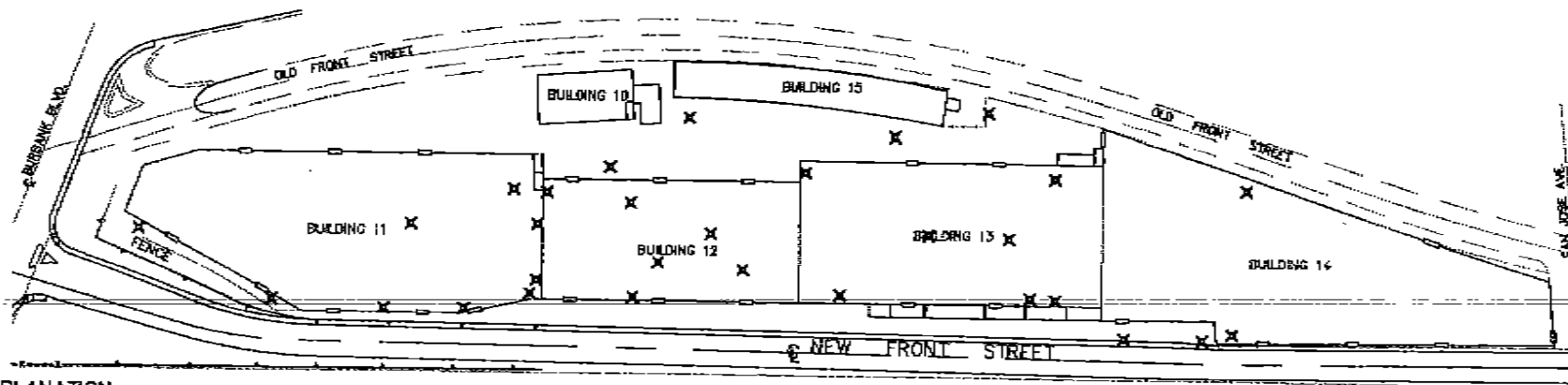
HYDRO
GEO
CHEM, INC.

MID-LEVEL PCE SOIL GAS CONCENTRATIONS PRE- AND POST-REMEDIAL CONDITIONS

Approved	Date	Revised	Date	Reference:	FIG.
JM	3/01/01			4650547A	18



PRE-REMEDIAL CONDITIONS



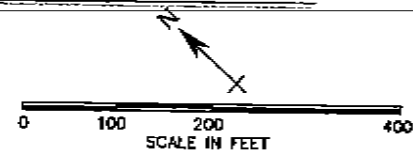
EXPLANATION

- 2
x SOIL GAS SAMPLING LOCATION,
SOIL GAS CONCENTRATION (ug/L)
- 100— SOIL GAS CONCENTRATION CONTOURS
(ug/L)

MID LEVEL: 25-60 FEET BELOW GRADE

ALL POST-REMEDIAL SAMPLING
LOCATIONS NON-DETECT
($<1\text{ug/L}$)

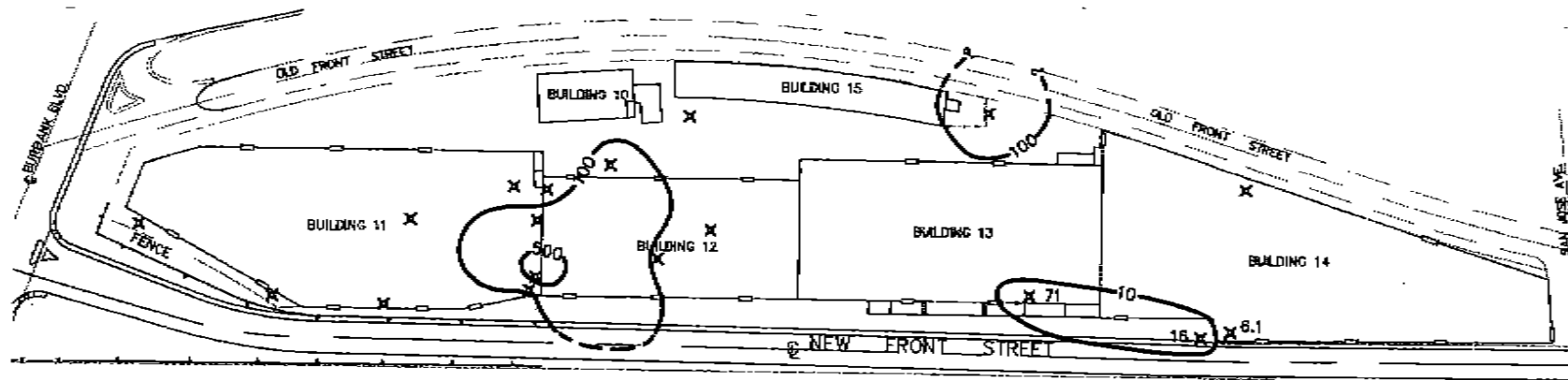
POST-REMEDIAL CONDITIONS



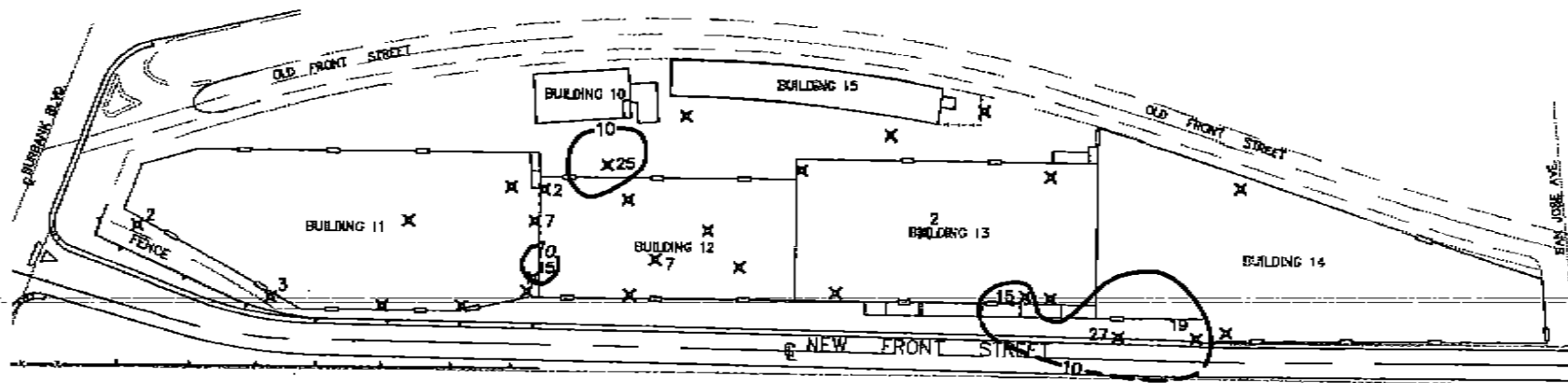
HYDRO
GEO
CHEM, INC.

MID-LEVEL 1,1-TCA SOIL GAS CONCENTRATIONS PRE- AND POST-REMEDIAL CONDITIONS

Approved	Date	Revised	Date	Reference:	FIG.
JM	3/01/01			4650549A	19



PRE-REMEDIAL CONDITIONS



EXPLANATION

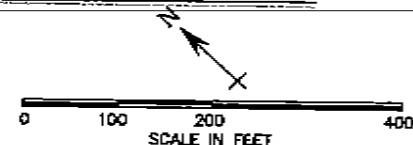
71 SOIL GAS SAMPLING LOCATION,
x SOIL GAS CONCENTRATION (ug/L)

— 100 — SOIL GAS CONCENTRATION CONTOURS
(ug/L)

DEEP LEVEL: 60-85 FEET BELOW GRADE

POST-REMEDIAL LOCATIONS
WITHOUT ASSOCIATED VALUES
WERE NON-DETECT (<1 ug/L)

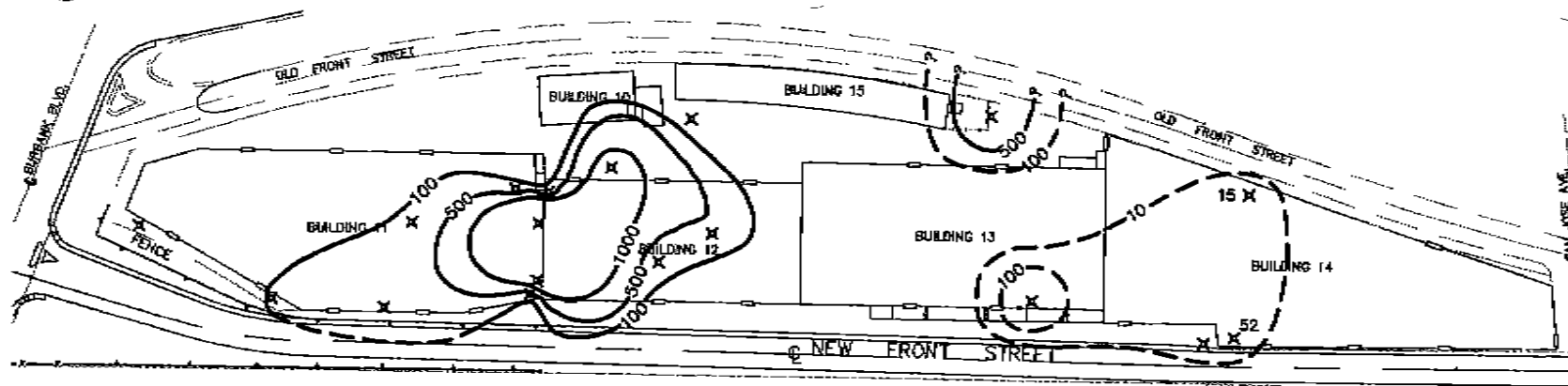
POST-REMEDIAL CONDITIONS



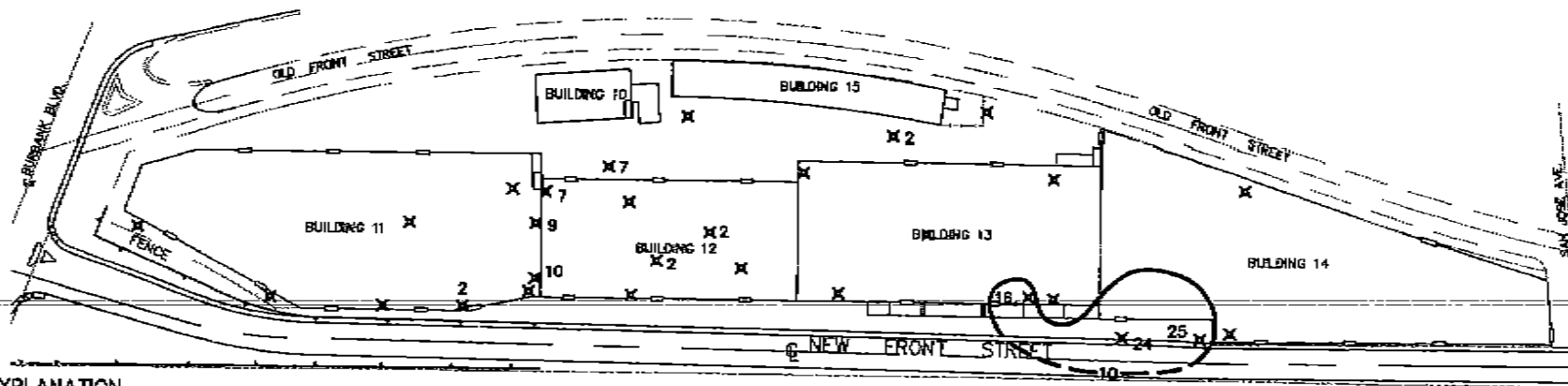
HYDRO
GEO
CHEM, INC.

DEEP-LEVEL TCE SOIL GAS CONCENTRATIONS PRE- AND POST-REMEDIAL CONDITIONS

Approved	Date	Revised	Date	Reference:	FIG.
JM	3/01/01			4650554A	20



PRE-REMEDIAL CONDITIONS



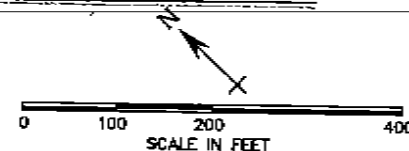
EXPLANATION

- 10 SOIL GAS SAMPLING LOCATION,
- x SOIL GAS CONCENTRATION (ug/L)
- 100 — SOIL GAS CONCENTRATION CONTOURS (ug/L)

DEEP-LEVEL: 60-85 FEET BELOW GRADE

POST-REMEDIAL LOCATIONS
WITHOUT ASSOCIATED VALUES
WERE NON-DETECT (<1 ug/L)

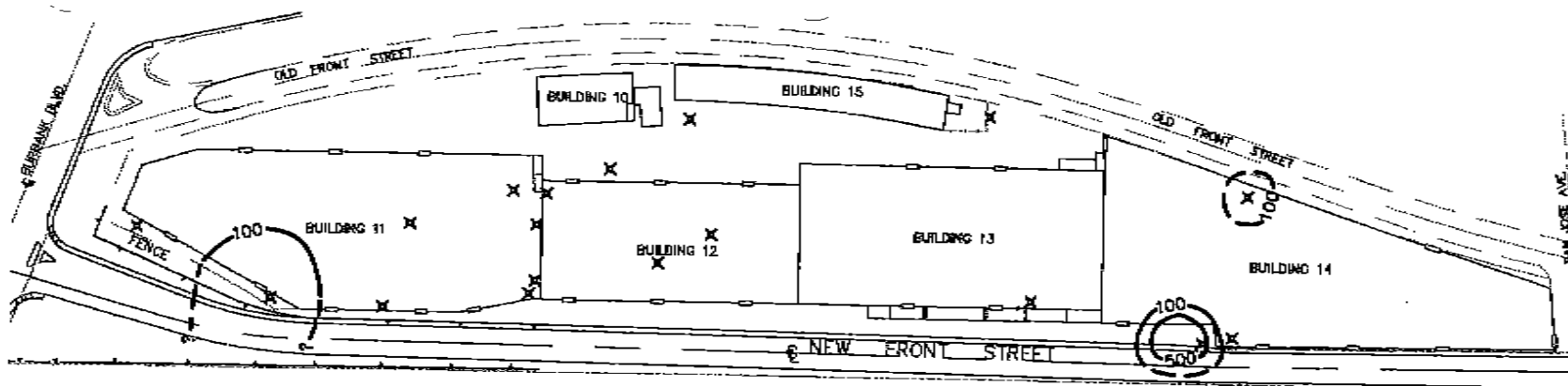
POST-REMEDIAL CONDITIONS



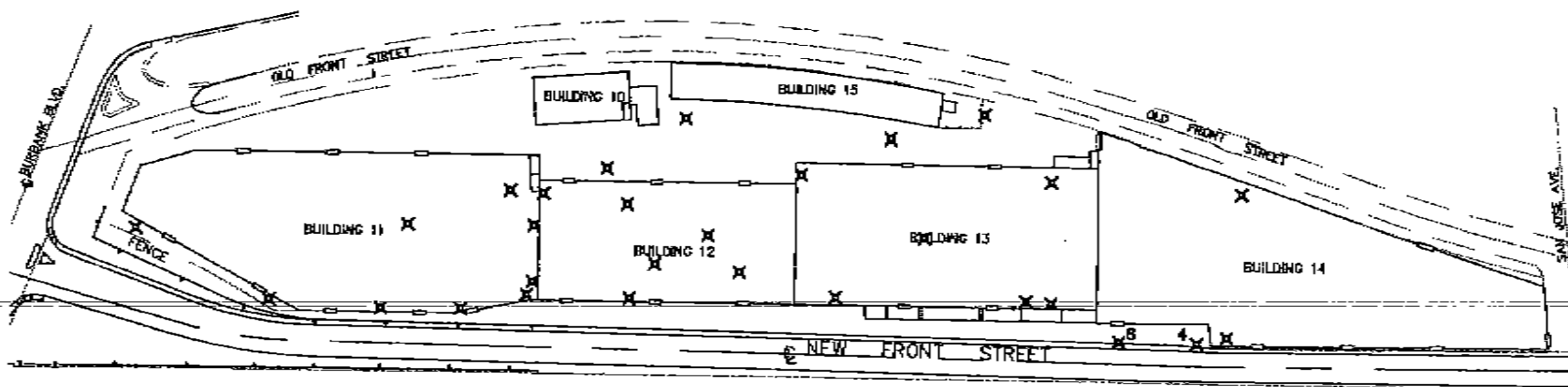
HYDRO
GEO
CHEM, INC.

DEEP-LEVEL PCE SOIL GAS CONCENTRATIONS PRE- AND POST-REMEDIAL CONDITIONS

Approved	Date	Revised	Date	Reference:	FIG.
JM	3/01/01			4850553A	21



PRE-REMEDIAL CONDITIONS



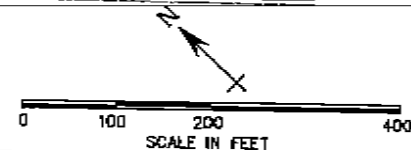
EXPLANATION

- B SOIL GAS SAMPLING LOCATION,
- x SOIL GAS CONCENTRATION (ug/L)
- 100 — SOIL GAS CONCENTRATION CONTOURS (ug/L)

DEEP LEVEL: 60-85 FEET BELOW GRADE

POST-REMEDIAL LOCATIONS
WITHOUT ASSOCIATED VALUES
WERE NON-DETECT (<1 ug/L)

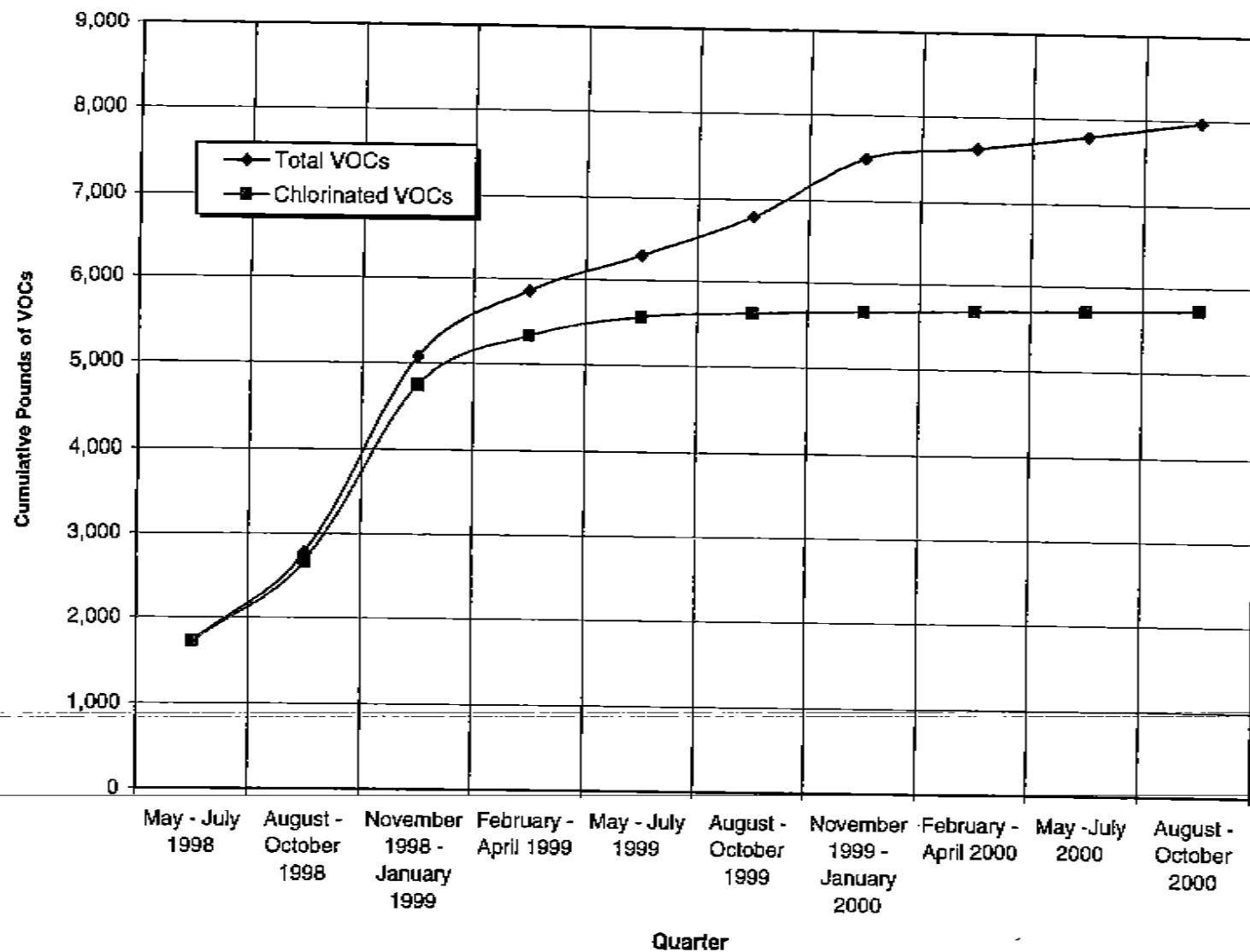
POST-REMEDIAL CONDITIONS



HYDRO
GEO
CHEM, INC.

DEEP-LEVEL 1,1,1-TCA SOIL GAS CENTRATIONS PRE- AND POST-REMEDIAL CONDITIONS

Approved	Date	Revised	Date	Reference:	FIG.
JM	3/01/01			4650555A	22



HYDRO
GEO
CHEM, INC.

VOC Mass Removal Rates

Former APW Facility,
777 Front Street, Burbank, CA

APPROVED
JJW

DATE
3/23/01

REFERENCE

FIGURE

23

APPENDIX A-3
NINYO & MOORE
2009 FIGURES



Leighton



Ningo & Moore

**PCE CONCENTRATIONS IN SOIL VAPOR
at 5 FEET**

PROJECT NO.

DATE

207126015

6/09

777 NORTH FRONT STREET
BURBANK, CALIFORNIA

FIGURE

4a



Ningo & Moore

**PCE CONCENTRATIONS IN SOIL VAPOR
at 15 FEET**

PROJECT NO.

DATE

207126015

6/09

777 NORTH FRONT STREET
BURBANK, CALIFORNIA

FIGURE

4b



Ningo & Moore

**PCE CONCENTRATIONS IN SOIL VAPOR
at 25 FEET**

PROJECT NO.

DATE

207126015

6/09

777 NORTH FRONT STREET
BURBANK, CALIFORNIA

FIGURE

4c



Ningo & Moore

PROJECT NO.

207126015

DATE

6/09

**PCE CONCENTRATIONS IN SOIL VAPOR
at 40 FEET**

777 NORTH FRONT STREET
BURBANK, CALIFORNIA

FIGURE

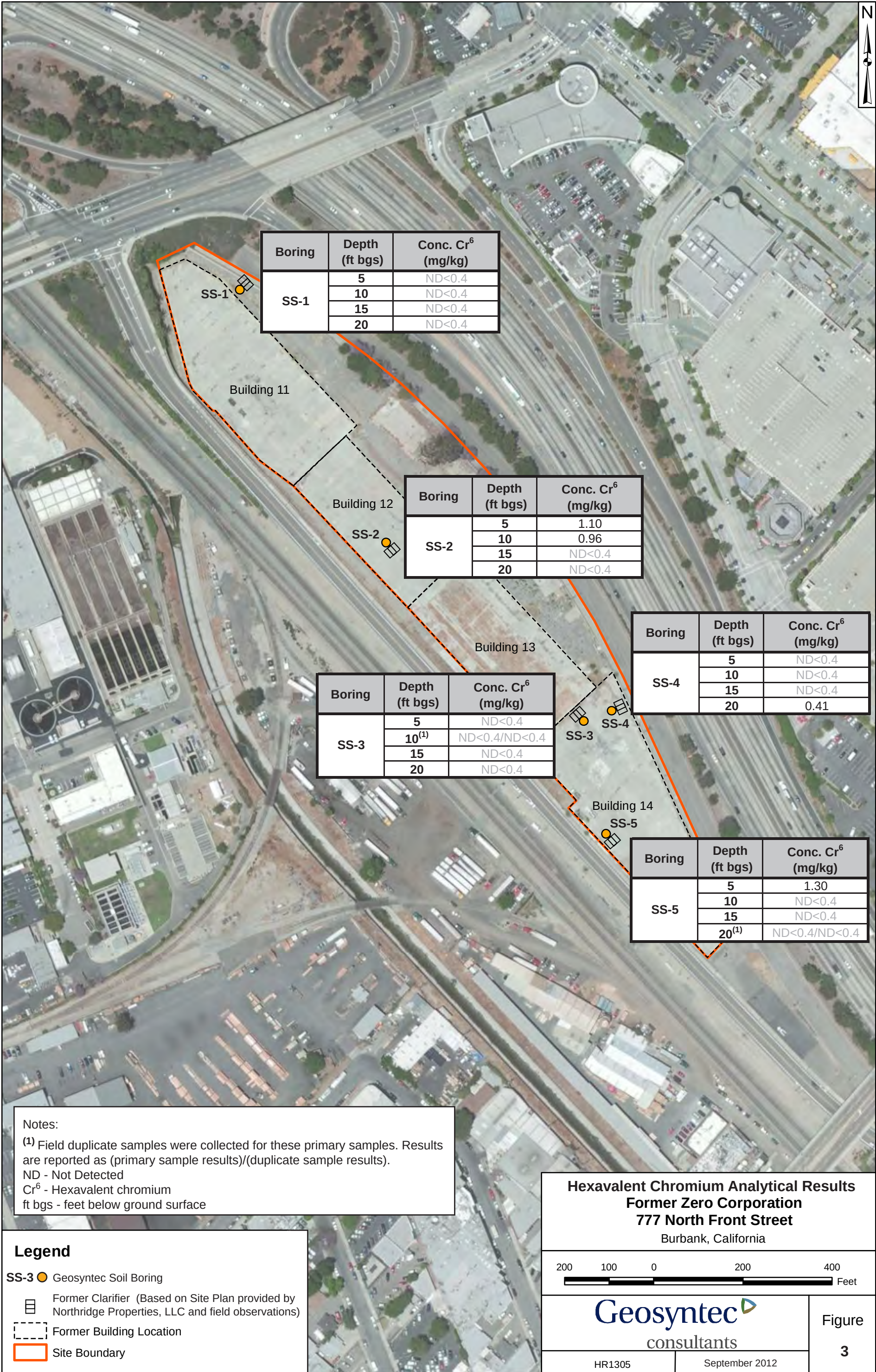
4d

APPENDIX A-4
GEOSYNTEC CONSULTANTS
2012 FIGURE



Leighton

S:\GIS\HR1305\Projects\SitePlan_20110804.mxd fvs 10/28/2011



APPENDIX B

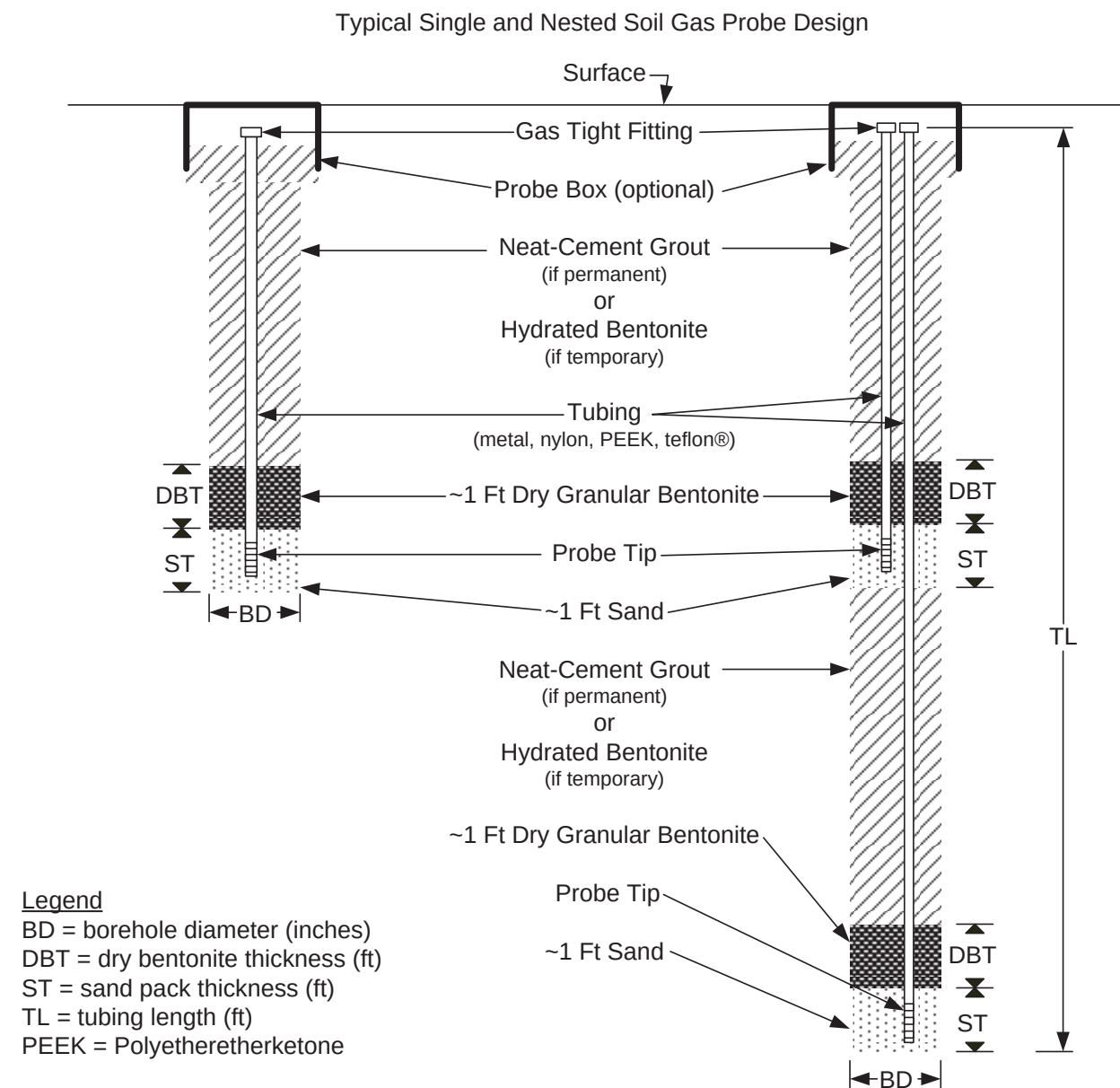
DIAGRAM OF TYPICAL SINGLE AND NESTED SOIL GAS PROBE DESIGN (DTSC, JULY 2015)



Leighton

included in the project workplan if the project proponent chooses not to use probe support for deep soil gas wells.

Figure 1



Neat-Cement Grout means a mixture in the proportion of 94 pounds of Portland cement and not more than 6 gallons of water. Bentonite up to 5 percent by weight of cement (4.7 pounds of bentonite per 94 pounds of Portland cement) may be used to reduce shrinkage.

3.2.2 Sampling Tubing

Small diameter (1/8 to 1/4 inch) tubing is typically used for probe construction, made of material which will not react or interact with site contaminants. At sites where soil

APPENDIX C
LOGS OF BORINGS



Leighton

**BORING LOG**

PROJECT NUMBER	11235.002	BORING/WELL NUMBER	A1
PROJECT NAME	SJ4 Burbank	DATE DRILLED	5/4/2016
LOCATION	777 North Front Street, Burbank, CA	CASING TYPE/DIAMETER	-- / --
DRILLING METHOD	Direct Push	SCREEN TYPE/SLOT	-- / --
SAMPLING METHOD	--	GRAVEL PACK TYPE	--
GROUND ELEVATION	--	GROUT TYPE/QUANTITY	-- / --
TOP OF CASING	--	DEPTH TO WATER	--
LOGGED BY	WBS	GROUND WATER ELEVATION	
REMARKS	--		

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (inches)	SAMPLE ID.	EXTENT	PID (ppm)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION
								Surface - 16" of dirt/base over 4" concrete slab
			A1-1'	⊗	0.0	SM		Silty SAND, brown, moist, fine to medium grained sand with non-plastic fines
5			A1-4.5'	⊗	0.0			becomes slightly plastic
10			A1-8.5'	⊗	0.0			same as above
15			A1-14.5'	⊗	0.3	CL		Silty, Sandy CLAY, grayish brown, moist, slightly plastic fines with non-plastic fines and fine grained sand
20			A1-20.5'	⊗	0.8			slightly more plastic, tighter
25								Total Depth = 21.5 feet bgs No groundwater encountered SGP installed at 16 feet bgs



A Leighton Group Company

BORING LOG

PROJECT NUMBER 11235.002 **BORING/WELL NUMBER** A2
PROJECT NAME SJ4 Burbank **DATE DRILLED** 5/4/2016
LOCATION 777 North Front Street, Burbank, CA **CASING TYPE/DIAMETER** -- / --
DRILLING METHOD Direct Push **SCREEN TYPE/SLOT** -- / --
SAMPLING METHOD -- **GRAVEL PACK TYPE** --
GROUND ELEVATION -- **GROUT TYPE/QUANTITY** -- / --
TOP OF CASING -- **DEPTH TO WATER** --
LOGGED BY WBS **GROUND WATER ELEVATION** _____
REMARKS --

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (inches)	SAMPLE ID.	EXTENT	PID (ppm)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION
			A2-1'	0.5		SM		Surface - 4" concrete slab Silty SAND, dark brown, moist, fine to medium grained sand with non-plastic fines same as above
5			A2-4.5'	0.4		ML CL		Sandy, Clayey SILT, dark brown, moist, non-plastic fines with slightly plastic fines and fine grained sand
			A2-8.5'	0.8				same as above
10								
			A2-14.5'	1.2				slightly more sandy
15								
			A2-20.5'	0.4		CL		CLAY, brown, moist, slightly plastic fines
20								
								Total Depth = 21.5 feet bgs No groundwater encountered SGP installed at 16 feet bgs
25								

GE_SBL_OLD_SJ4_BURBANK_BORING_LOGS.GPJ LAEWN01.GDT 6/20/16



A Leighton Group Company

BORING LOG

PROJECT NUMBER	11235.002	BORING/WELL NUMBER	A3
PROJECT NAME	SJ4 Burbank	DATE DRILLED	5/4/2016
LOCATION	777 North Front Street, Burbank, CA	CASING TYPE/DIAMETER	-- / --
DRILLING METHOD	Direct Push	SCREEN TYPE/SLOT	-- / --
SAMPLING METHOD	--	GRAVEL PACK TYPE	--
GROUND ELEVATION	--	GROUT TYPE/QUANTITY	-- / --
TOP OF CASING	--	DEPTH TO WATER	--
LOGGED BY	WBS	GROUND WATER ELEVATION	
REMARKS	--		

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (inches)	SAMPLE ID.	EXTENT	PID (ppm)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION
			A3-1'	⊗	0.5	SP		Surface - 4" concrete slab
			A3-4.5'	⊗	2.6	ML		Poorly-graded SAND, light gray, dry, fine to medium grained sand same as above
5			A3-8.5'	⊗	0.2			Sandy SILT, brown, moist, non-plastic fines with fine grained sand
			A3-8.5'-D	⊗	--			SILT, brown, moist, non-plastic fines
10			A3-14.5'	⊗	0.2	SM		Silty SAND, brown, moist, fine to medium grained sand with non-plastic fines
15			A3-20.5'	⊗	0.3			same as above
20								Total Depth = 21.5 feet bgs No groundwater encountered SGP installed at 20.5 feet bgs
25								

GE_SBL_OLD_SJ4_BURBANK_BORING_LOGS.GPJ LAEWN01.GDT 6/20/16

**BORING LOG**

PROJECT NUMBER	11235.002	BORING/WELL NUMBER	A4
PROJECT NAME	SJ4 Burbank	DATE DRILLED	5/4/2016
LOCATION	777 North Front Street, Burbank, CA	CASING TYPE/DIAMETER	-- / --
DRILLING METHOD	Direct Push	SCREEN TYPE/SLOT	-- / --
SAMPLING METHOD	--	GRAVEL PACK TYPE	--
GROUND ELEVATION	--	GROUT TYPE/QUANTITY	-- / --
TOP OF CASING	--	DEPTH TO WATER	--
LOGGED BY	WBS	GROUND WATER ELEVATION	
REMARKS	--		

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (inches)	SAMPLE ID.	EXTENT	PID (ppm)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION
			A4-1'	0.5		SM		Surface - 4" concrete slab Silty, Gravelly SAND, dark grayish brown, moist, fine to medium grained sand with non-plastic fines and some 3/4" gravel same as above
5			A4-4.5'	0.4				Silty SAND, brown, moist, fine to medium grained sand with non-plastic fines
10			A4-8.5'	0.5		ML		SILT with GRAVEL, gray, moist to dry, non-plastic fines with broken gravel
15			A4-14.5'	0.6				SILT, dark grayish brown, moist, non-plastic fines
20			A4-20.5'	0.5		SM		Silty SAND, brown, moist, fine to medium grained sand with non-plastic fines
25								Total Depth = 21.5 feet bgs No groundwater encountered SGP installed at 20.5 feet bgs



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BORING LOG

PROJECT NUMBER 11235.002 **BORING/WELL NUMBER** A5
PROJECT NAME SJ4 Burbank **DATE DRILLED** 5/4/2016
LOCATION 777 North Front Street, Burbank, CA **CASING TYPE/DIAMETER** -- / --
DRILLING METHOD Direct Push **SCREEN TYPE/SLOT** -- / --
SAMPLING METHOD -- **GRAVEL PACK TYPE** --
GROUND ELEVATION -- **GROUT TYPE/QUANTITY** -- / --
TOP OF CASING -- **DEPTH TO WATER** --
LOGGED BY WBS **GROUND WATER ELEVATION** _____
REMARKS --

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (inches)	SAMPLE ID.	EXTENT	PID (ppm)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION
						SM		Surface - 4" concrete slab
			A5-1.25'	2.5				Silty SAND, brown, moist, fine to medium grained sand with non-plastic fines
								same as above, 5" asphalt layer encountered
5			A5-4.5'	0.5				same as above - poor recovery
10								Refusal @10' No groundwater encountered No SGP installed
15								

GE_SBL_OLD SJ4 BURBANK BORING LOGS.GPJ LAEWN01.GDT 6/20/16

**BORING LOG**

PROJECT NUMBER	11235.002	BORING/WELL NUMBER	A5B
PROJECT NAME	SJ4 Burbank	DATE DRILLED	5/4/2016
LOCATION	777 North Front Street, Burbank, CA	CASING TYPE/DIAMETER	-- / --
DRILLING METHOD	Direct Push	SCREEN TYPE/SLOT	-- / --
SAMPLING METHOD	--	GRAVEL PACK TYPE	--
GROUND ELEVATION	--	GROUT TYPE/QUANTITY	-- / --
TOP OF CASING	--	DEPTH TO WATER	--
LOGGED BY	WBS	GROUND WATER ELEVATION	
REMARKS	--		

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (inches)	SAMPLE ID.	EXTENT	PID (ppm)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION
			A5B-1'	1.5		SM		Surface - 4" concrete slab Silty SAND, brown, moist, fine to medium grained sand with non-plastic fines same as above
5			A5B-4.5'	0.7				same as above
10			A5B-8.5'	0.6		SP		Poorly-graded SAND with GRAVEL, dry, light gray, fine to medium grained sand with 3/4" max broken gravel
15			A5B-14.5'	3.5		ML		SILT, dark grayish brown, moist, non-plastic fines
20			A5B-20.5'	2.2		SM		grades into Silty SAND, brown, moist, fine grained sand with non-plastic fines
25								Total Depth = 21.5 feet bgs No groundwater encountered SGP installed at 20.5 feet bgs

**BORING LOG**

PROJECT NUMBER	11235.002	BORING/WELL NUMBER	A6
PROJECT NAME	SJ4 Burbank	DATE DRILLED	5/5/2016
LOCATION	777 North Front Street, Burbank, CA	CASING TYPE/DIAMETER	-- / --
DRILLING METHOD	Direct Push	SCREEN TYPE/SLOT	-- / --
SAMPLING METHOD	--	GRAVEL PACK TYPE	--
GROUND ELEVATION	--	GROUT TYPE/QUANTITY	-- / --
TOP OF CASING	--	DEPTH TO WATER	--
LOGGED BY	WBS	GROUND WATER ELEVATION	
REMARKS	--		

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (inches)	SAMPLE ID.	EXTENT	PID (ppm)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION
			A6-1'	0.5	13.0	SM		Surface - 4" concrete slab Silty SAND, brown, moist, fine to medium grained sand with non-plastic fines same as above - Solvent-like odors encountered from 1.5-2.5' at 13.0 ppm from PID in borehole - possible concrete void
5			A6-4.5'	0.4		ML		SILT, moist, strong red, non-plastic fines, red color in layers
10			A6-8.5'	0.5		SP		Gravelly SAND, white/dark gray/pale brown, moist to dry, fine to medium grained sand with broken 3/4" gravel
15			A6-14.5'	0.6		ML		Sandy SILT, brown, moist, non-plastic fines with fine grained sand
20			A6-20.5'	0.5		SM		Silty SAND, brown, moist, fine to medium grained sand with non-plastic fines
25			A6-20.5'-D	--				Total Depth = 21.5 feet bgs No groundwater encountered SGP installed at 20.5 feet bgs

**BORING LOG**

PROJECT NUMBER	11235.002	BORING/WELL NUMBER	A7
PROJECT NAME	SJ4 Burbank	DATE DRILLED	5/5/2016
LOCATION	777 North Front Street, Burbank, CA	CASING TYPE/DIAMETER	-- / --
DRILLING METHOD	Direct Push	SCREEN TYPE/SLOT	-- / --
SAMPLING METHOD	--	GRAVEL PACK TYPE	--
GROUND ELEVATION	--	GROUT TYPE/QUANTITY	-- / --
TOP OF CASING	--	DEPTH TO WATER	--
LOGGED BY	WBS	GROUND WATER ELEVATION	
REMARKS	--		

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (inches)	SAMPLE ID.	EXTENT	PID (ppm)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION
			A6-1'	0.5		CL		Surface - 4" concrete slab CLAY, brown, moist, slightly plastic fines same as above
5			A6-4.5'	0.4		ML		SILT, moist, very dark gray (discolored), non-plastic fines
10			A6-8.5'	0.5		SP		Gravelly SAND, white/dark gray/pale brown, moist to dry, fine to medium grained sand with broken 3/4" gravel
15			A6-14.5'	0.6		ML		Sandy SILT, brown, moist, non-plastic fines with fine grained sand
20			A6-20.5' A6-20.5'-D	0.5 --		SM		Silty SAND, brown, moist, fine to medium grained sand with non-plastic fines
25								Total Depth = 21.5 feet bgs No groundwater encountered SGP installed at 20.5 feet bgs

**BORING LOG**

PROJECT NUMBER 11235.002	BORING/WELL NUMBER A8
PROJECT NAME SJ4 Burbank	DATE DRILLED 5/5/2016
LOCATION 777 North Front Street, Burbank, CA	CASING TYPE/DIAMETER -- / --
DRILLING METHOD Direct Push	SCREEN TYPE/SLOT -- / --
SAMPLING METHOD --	GRAVEL PACK TYPE --
GROUND ELEVATION --	GROUT TYPE/QUANTITY -- / --
TOP OF CASING --	DEPTH TO WATER --
LOGGED BY WBS	GROUND WATER ELEVATION
REMARKS --	

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (inches)	SAMPLE ID.	EXTENT	PID (ppm)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION
						ML		Surface - 4" concrete slab
			A8-1'	⊗	0.6			Sandy SILT, brown, moist, non-plastic fines same as above
5			A8-4.5'	⊗	0.6			same as above
			A8-8.5'	⊗	0.6	SP		Gravelly SAND, white/dark gray/pale brown, moist to dry, fine to medium grained sand with broken 3/4" gravel
10								
			A8-14.5'	⊗	0.6	ML		Sandy SILT, brown, moist, non-plastic fines
15								
			A8-20.5'	⊗	0.6			same as above
20								
								Total Depth = 21.5 feet bgs No groundwater encountered SGP installed at 20.5 feet bgs
25								



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BORING LOG

PROJECT NUMBER	11235.002	BORING/WELL NUMBER	A9
PROJECT NAME	SJ4 Burbank	DATE DRILLED	5/5/2016
LOCATION	777 North Front Street, Burbank, CA	CASING TYPE/DIAMETER	-- / --
DRILLING METHOD	Direct Push	SCREEN TYPE/SLOT	-- / --
SAMPLING METHOD	--	GRAVEL PACK TYPE	--
GROUND ELEVATION	--	GROUT TYPE/QUANTITY	-- / --
TOP OF CASING	--	DEPTH TO WATER	--
LOGGED BY	WBS	GROUND WATER ELEVATION	
REMARKS	--		

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (inches)	SAMPLE ID.	EXTENT	PID (ppm)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION
						ML		Surface - 4" concrete slab
			A9-1'	×	0.6			Sandy SILT, brown, moist, non-plastic fines same as above
5			A9-4.5'	×	0.6			same as above
10			A9-8.5'	×	0.6	SP		Gravelly SAND, white/dark gray/pale brown, moist to dry, fine to medium grained sand with broken 3/4" gravel
15			A9-14.5'	×	0.6	ML		Sandy SILT, brown, moist, non-plastic fines
20			A9-20.5'	×	0.6			same as above
			A9-20.5'-D	×	--			
25			A9-25.5'	×	0.6	SM		Silty SAND, light brown, moist, fine grained sand with non-plastic fines
30			A9-30.5'	×	0.5	SP		Poorly-graded SAND with GRAVEL, light brown, moist, fine to medium grained sand and 3/4" gravel
35								Total Depth = 31 feet bgs No groundwater encountered SGP installed at 30.5 feet bgs

GE_SBL_OLD_SJ4_BURBANK_BORING_LOGS.GPJ LAEWN01.GDT 6/20/16



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BORING LOG

PROJECT NUMBER 11235.002 **BORING/WELL NUMBER** A10
PROJECT NAME SJ4 Burbank **DATE DRILLED** 5/5/2016
LOCATION 777 North Front Street, Burbank, CA **CASING TYPE/DIAMETER** --
DRILLING METHOD Direct Push **SCREEN TYPE/SLOT** -- / -- / --
SAMPLING METHOD -- **GRAVEL PACK TYPE** --
GROUND ELEVATION -- **GROUT TYPE/QUANTITY** -- / --
TOP OF CASING -- **DEPTH TO WATER** --
LOGGED BY WBS **GROUND WATER ELEVATION** --
REMARKS --

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (inches)	SAMPLE ID.	EXTENT	PID (ppm)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION
			A10-1'	×	0.6	ML		Surface - 4" concrete slab Sandy SILT, brown, moist, non-plastic fines - poor recovery same as above
5			--	×	--			- No recovery
10			--	×	--	SP		- No sample recovery - Poorly-graded SAND, brown, moist, fine to medium grained sand
15			A10-14.5'	×	0.1	ML		- Poor recovery - Sandy SILT, brown, moist, non-plastic fines with fine grained sand
20			A10-20.5'	×	0.0			same as above
25			A10-25.5'	×	0.0	SM		Silty SAND, light brown, moist, fine grained sand with non-plastic fines
30			A10-30.5'	×	0.0	SP		Poorly-graded SAND with GRAVEL, light brown, moist, fine to medium grained sand and 3/4" gravel
35								Total Depth = 30.5 feet bgs No groundwater encountered SGP installed at 30.5

GE_SBL_OLD SJ4 BURBANK BORING LOGS.GPJ LAEWN01.GDT 6/20/16



BORING LOG

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (inches)	SAMPLE ID.	EXTENT	PID (ppm)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION
			A11-1'	☒	0.0	ML		Surface - 4" concrete slab Sandy SILT, brown, moist, non-plastic fines same as above
5			A11-4.5'	☒	0.1	SM		Silty SAND, brown, moist, fine grained sand with non-plastic fines
			A11-8.5'	☒	0.1			same as above
10			A11-8.5'-D	☒	--			
15			A11-14.5'	☒	0.0	SP		Gravelly SAND, light grayish brown, moist to dry, fine grained sand with 3/4" gravel
20			A11-20.5'	☒	0.1	SM		Silty SAND, brown, fine grained sand with non-plastic fines
25								Total Depth = 21.5 feet bgs No groundwater encountered SGP installed at 20.5 feet bgs



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BORING LOG

PROJECT NUMBER 11235.002 **BORING/WELL NUMBER** A12
PROJECT NAME SJ4 Burbank **DATE DRILLED** 5/5/2016
LOCATION 777 North Front Street, Burbank, CA **CASING TYPE/DIAMETER** -- / --
DRILLING METHOD Direct Push **SCREEN TYPE/SLOT** -- / --
SAMPLING METHOD -- **GRAVEL PACK TYPE** --
GROUND ELEVATION -- **GROUT TYPE/QUANTITY** -- / --
TOP OF CASING -- **DEPTH TO WATER** --
LOGGED BY WBS **GROUND WATER ELEVATION** _____
REMARKS --

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (inches)	SAMPLE ID.	EXTENT	PID (ppm)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION
								Surface - 7" concrete slab
			A12-1'	0.2		ML		Sandy SILT, dark grayish brown, moist, non-plastic fines same as above
5			A12-5'	0.2				same as above
10			A12-11'	0.2				same as above
15			A12-17'	0.2				same as above
20								Total Depth = 18 feet bgs No groundwater encountered SGP installed at 17 feet bgs

**BORING LOG**

PROJECT NUMBER 11235.002	BORING/WELL NUMBER A13
PROJECT NAME SJ4 Burbank	DATE DRILLED 5/5/2016
LOCATION 777 North Front Street, Burbank, CA	CASING TYPE/DIAMETER -- / --
DRILLING METHOD Direct Push	SCREEN TYPE/SLOT -- / --
SAMPLING METHOD --	GRAVEL PACK TYPE --
GROUND ELEVATION --	GROUT TYPE/QUANTITY -- / --
TOP OF CASING --	DEPTH TO WATER --
LOGGED BY WBS	GROUND WATER ELEVATION
REMARKS --	

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (inches)	SAMPLE ID.	EXTENT	PID (ppm)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION
								Surface - 7" concrete slab
			A13-1'	0.2		ML		Sandy SILT, dark grayish brown, moist, non-plastic fines same as above
5			A13-5'	0.2				brown
10			A13-11'	0.2				same as above
15			A13-17'	0.2		SM		Silty SAND, brown, moist, fine grained sand with non-plastic fines
20								Total Depth = 18 feet bgs No groundwater encountered SGP installed at 17 feet bgs



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BORING LOG

PROJECT NUMBER 11235.002	BORING/WELL NUMBER B1
PROJECT NAME SJ4 Burbank	DATE DRILLED 5/4/2016
LOCATION 777 North Front Street, Burbank, CA	CASING TYPE/DIAMETER -- / --
DRILLING METHOD Direct Push	SCREEN TYPE/SLOT -- / --
SAMPLING METHOD --	GRAVEL PACK TYPE --
GROUND ELEVATION --	GROUT TYPE/QUANTITY -- / --
TOP OF CASING --	DEPTH TO WATER --
LOGGED BY SH	GROUND WATER ELEVATION
REMARKS --	

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (inches)	SAMPLE ID.	EXTENT	PID (ppm)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION
						SM		Surface - 3" concrete slab
			B1-1'	0.1				Silty SAND with CLAY, dark brown, moist, fine to medium grained sand with non-plastic and slightly plastic fines, trace roots
5			B1-4.5'	0.1				
			B1-8.5'	0.1				
10						SC		silty sand only from 9.5-10' Clayey SAND, dark brown, moist, fine grained sand with slightly plastic fines
			B1-14.5'	0.0				
15						SM		same as at 3", trace pebbles
						CL		Sandy CLAY, reddish brown, moist, slightly plastic fines with fine grained sand
20			B1-20.5'	0.0				
								Total Depth = 21.5 feet bgs No groundwater encountered SGP installed at 16 feet bgs
25								

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BORING LOG

PROJECT NUMBER	11235.002	BORING/WELL NUMBER	B2
PROJECT NAME	SJ4 Burbank	DATE DRILLED	5/5/2016
LOCATION	777 North Front Street, Burbank, CA	CASING TYPE/DIAMETER	-- / --
DRILLING METHOD	Direct Push	SCREEN TYPE/SLOT	-- / --
SAMPLING METHOD	--	GRAVEL PACK TYPE	--
GROUND ELEVATION	--	GROUT TYPE/QUANTITY	-- / --
TOP OF CASING	--	DEPTH TO WATER	--
LOGGED BY	SH	GROUND WATER ELEVATION	
REMARKS	--		

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (inches)	SAMPLE ID.	EXTENT	PID (ppm)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION
			B2-1'	0.1		SM		Surface - 5" concrete slab Silty SAND, brown, moist, fine grained sand with non-plastic fines, gravelly interval from 4-4.5'
5			B2-4.5'	0.2		ML		Sandy SILT with CLAY, reddish brown, moist, non-plastic fines with fine grained sand and slightly plastic fines
10			B2-8.5'	0.1		SW		Silty, Gravelly SAND, grayish brown to reddish brown, moist, fine to coarse grained sand with non-plastic fines and 3/4" gravel
						ML		same as at 4.5'
15			B2-14.5'	0.6				Clayey, Sandy SILT, reddish brown, moist, non-plastic fines with fine grained sand and slightly plastic fines
20			B2-20.5'	0.0				Total Depth = 21 feet bgs No groundwater encountered SGP installed at 16.5
25								

GE_SBL_OLD SJ4 BURBANK BORING LOGS.GPJ LAEWN01.GDT 6/20/16

**BORING LOG**

PROJECT NUMBER	11235.002	BORING/WELL NUMBER	B3
PROJECT NAME	SJ4 Burbank	DATE DRILLED	5/4/2016
LOCATION	777 North Front Street, Burbank, CA	CASING TYPE/DIAMETER	-- / --
DRILLING METHOD	Direct Push	SCREEN TYPE/SLOT	-- / --
SAMPLING METHOD	--	GRAVEL PACK TYPE	--
GROUND ELEVATION	--	GROUT TYPE/QUANTITY	-- / --
TOP OF CASING	--	DEPTH TO WATER	--
LOGGED BY	SH	GROUND WATER ELEVATION	
REMARKS	--		

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (inches)	SAMPLE ID.	EXTENT	PID (ppm)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION
			B3-1'	0.1		SM		Surface - 4" concrete slab Silty SAND with CLAY, dark brown, moist, fine to coarse grained sand with non-plastic fines and slightly plastic fines, trace pebbles brown
5			B3-4.5'	0.0		ML		Sandy SILT with CLAY, reddish brown, moist, non-plastic fines with fine grained sand and slightly plastic fines
			B3-8.5'	0.0		SM		Silty SAND, reddish brown, moist, fine to coarse grained sand with non-plastic fines, trace pebbles, gravelly from 8.5-10.5'
10						ML		same as at 4.5'
			B3-14.5'	0.0				
15								
			B3-20.5'	0.0		SC		Clayey SAND, reddish brown, moist, fine grained sand with slightly plastic fines
20								Total Depth = 21 feet bgs No groundwater encountered SGP installed at 17 feet bgs
25								

**BORING LOG**

PROJECT NUMBER	11235.002	BORING/WELL NUMBER	B4
PROJECT NAME	SJ4 Burbank	DATE DRILLED	5/4/2016
LOCATION	777 North Front Street, Burbank, CA	CASING TYPE/DIAMETER	-- / --
DRILLING METHOD	Direct Push	SCREEN TYPE/SLOT	-- / --
SAMPLING METHOD	--	GRAVEL PACK TYPE	--
GROUND ELEVATION	--	GROUT TYPE/QUANTITY	-- / --
TOP OF CASING	--	DEPTH TO WATER	--
LOGGED BY	SH	GROUND WATER ELEVATION	
REMARKS	--		

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (inches)	SAMPLE ID.	EXTENT	PID (ppm)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION
						SM		Surface - 3.5" of concrete slab
			B4-1'	×	1.0			Silty SAND with CLAY, reddish brown, moist, fine to coarse grained sand with non-plastic fines and slightly plastic fines, contains gravel
								trace clay, no gravel
5			B4-4.5'	×	0.0			
			B4-4.5'-D	×	--			
			B4-8.5'	×	0.0			
10						SP		Gravelly SAND with SILT, gray to brown, dry, fine to coarse grained sand with gravel and non-plastic fines
						ML		Silty SAND grades into Sandy SILT, reddish brown, moist, non-plastic fines with fine grained sand
15			B4-14.5'	×	0.1			
20			B4-20.5'	×	0.1	SM		Silty SAND with CLAY, reddish brown, moist, fine grained sand with non-plastic fines and slightly plastic fines
								Total Depth = 21 feet bgs No groundwater encountered SGP installed at 19 feet bgs
25								



BORING LOG

PROJECT NUMBER 11235.002 BORING/WELL NUMBER B5
PROJECT NAME SJ4 Burbank DATE DRILLED 5/4/2016
LOCATION 777 North Front Street, Burbank, CA CASING TYPE/DIAMETER -- / --
DRILLING METHOD Direct Push SCREEN TYPE/SLOT -- / --
SAMPLING METHOD -- GRAVEL PACK TYPE --
GROUND ELEVATION -- GROUT TYPE/QUANTITY -- / --
TOP OF CASING -- DEPTH TO WATER --
LOGGED BY SH GROUND WATER ELEVATION --
REMARKS --

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (inches)	SAMPLE ID.	EXTENT	PID (ppm)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION
								Surface - 6" concrete slab
			B5-1'	✕	0.0	SM		Gravelly, Silty SAND, orange brown, moist, fine to coarse grained sand with gravel and non-plastic fines, contains some clayey layers
								gravel layer
						ML		Sandy SILT, dark brown, moist, non-plastic fines with fine grained sand
5			B5-4.5'	✕	0.0	SM		Gravelly, Silty SAND, reddish brown, moist, fine to coarse grained sand with mostly angular gravel and non-plastic fines
								6" sandy silt interval
			B5-8.5'	✕	0.0			
10						ML		same as at 3', reddish brown
			B5-14.5'	✕	0.0			
15								
			B5-20.5'	✕	0.0			
20								Total Depth = 21 feet bgs No groundwater encountered SGP installed at 20 feet bgs
25								

**BORING LOG**

PROJECT NUMBER	11235.002	BORING/WELL NUMBER	B6
PROJECT NAME	SJ4 Burbank	DATE DRILLED	5/4/2016
LOCATION	777 North Front Street, Burbank, CA	CASING TYPE/DIAMETER	-- / --
DRILLING METHOD	Direct Push	SCREEN TYPE/SLOT	-- / --
SAMPLING METHOD	--	GRAVEL PACK TYPE	--
GROUND ELEVATION	--	GROUT TYPE/QUANTITY	-- / --
TOP OF CASING	--	DEPTH TO WATER	--
LOGGED BY	SH	GROUND WATER ELEVATION	
REMARKS	--		

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (inches)	SAMPLE ID.	EXTENT	PID (ppm)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION
								Surface - 6" concrete slab
			B6-1'	×	0.2	SM		Silty SAND, dark brown, moist, fine grained sand with trace medium to coarse grains with non-plastic fines
5			B6-4.5'	×	0.0			gravelly from 4.5-5'
			B6-8.5'	×	0.0			clayey from 8-8.5'
10						SM		Gravelly, Silty SAND, grayish brown, dry, fine to coarse sand with non-plastic fines and gravel
15			B6-14.5'	×	0.3	ML		Sandy SILT with CLAY, reddish brown, moist, non-plastic fines with fine grained sand and slightly plastic fines
20			B6-20.5'	×	0.1			Total Depth = 21 feet bgs No groundwater encountered SGP installed at 20.5 feet bgs
25								



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BORING LOG

PROJECT NUMBER 11235.002	BORING/WELL NUMBER B7
PROJECT NAME SJ4 Burbank	DATE DRILLED 5/5/2016
LOCATION 777 North Front Street, Burbank, CA	CASING TYPE/DIAMETER -- / --
DRILLING METHOD Direct Push	SCREEN TYPE/SLOT -- / --
SAMPLING METHOD --	GRAVEL PACK TYPE --
GROUND ELEVATION --	GROUT TYPE/QUANTITY -- / --
TOP OF CASING --	DEPTH TO WATER --
LOGGED BY SH	GROUND WATER ELEVATION
REMARKS --	

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (inches)	SAMPLE ID.	EXTENT	PID (ppm)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION
						SM		Surface - 7" concrete slab
			B7-1'	⊗	0.0			Silty SAND, brown, moist, fine grained sand with non-plastic fines - Poor recovery - Gravelly, Silty SAND with CLAY, reddish brown, moist, fine to coarse grained sand with non-plastic and slightly plastic fines, contains gravel
5			B7-4.5'	⊗	0.0			brown, fine grained sand only, no gravel, clayey from 3-4'
			B7-8.5'	⊗	0.1			- Poor recovery - same as at 1', dry, grayish brown, no clay content
15			B7-14.5'	⊗	0.2	ML		Sandy SILT with CLAY, reddish brown, moist, non-plastic fines with fine grained sand
20			B7-20.5'	⊗	0.0			Total Depth = 21 feet bgs No groundwater encountered SGP installed at 20.5 feet bgs
25								

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**BORING LOG**

PROJECT NUMBER	11235.002	BORING/WELL NUMBER	B8
PROJECT NAME	SJ4 Burbank	DATE DRILLED	5/5/2016
LOCATION	777 North Front Street, Burbank, CA	CASING TYPE/DIAMETER	-- / --
DRILLING METHOD	Direct Push	SCREEN TYPE/SLOT	-- / --
SAMPLING METHOD	--	GRAVEL PACK TYPE	--
GROUND ELEVATION	--	GROUT TYPE/QUANTITY	-- / --
TOP OF CASING	--	DEPTH TO WATER	--
LOGGED BY	SH	GROUND WATER ELEVATION	
REMARKS	--		

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (inches)	SAMPLE ID.	EXTENT	PID (ppm)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION
			B8-1'	⊗	0.0	SM		Surface - 6" concrete slab
			B8-4.5'	⊗	0.0	ML		Silty SAND, brown, moist, fine to medium grained sand with non-plastic fines, clayey from 4-5'
5			B8-8.5'	⊗	0.0			
			B8-8.5D	⊗	--			
10						SW		Gravelly SAND, grayish brown, moist, fine to coarse grained sand with gravel
			B8-14.5'	⊗	0.0	ML CL		Clayey SILT, reddish brown, moist, non-plastic fines with slightly plastic fines
15								
			B8-20.5'	⊗	0.0			
20								
								Total Depth = 21 feet bgs No groundwater encountered SGP installed at 20.5 feet bgs
25								



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BORING LOG

PROJECT NUMBER 11235.002	BORING/WELL NUMBER B9
PROJECT NAME SJ4 Burbank	DATE DRILLED 5/5/2016
LOCATION 777 North Front Street, Burbank, CA	CASING TYPE/DIAMETER -- / --
DRILLING METHOD Direct Push	SCREEN TYPE/SLOT -- / --
SAMPLING METHOD --	GRAVEL PACK TYPE --
GROUND ELEVATION --	GROUT TYPE/QUANTITY -- / --
TOP OF CASING --	DEPTH TO WATER --
LOGGED BY SH	GROUND WATER ELEVATION
REMARKS --	

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (inches)	SAMPLE ID.	EXTENT	PID (ppm)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION
			B9-1'	×	0.0	SM		Surface - 5" concrete slab Silty SAND, brown, moist, fine to coarse grained sand with non-plastic fines and pebbles fine grained sand only below 1'
5			B9-4.5'	×	0.1			contains clay below 4.5'
10			B9-8.5'	×	0.0			becomes reddish brown below 8.5' Gravelly, Silty SAND, brown, moist, fine to coarse grained sand with non-plastic fines and gravel
15			B9-14.5'	×	0.0	ML		Sandy SILT with CLAY, reddish brown, moist, non-plastic fines with fine grained sand with slightly plastic fines
20			B9-20.5'	×	0.0			
25			B9-25.5'	×	--	SM		Silty SAND, reddish brown, moist, fine to coarse grained sand with non-plastic fines, pebbly in portions
30			B9-30.5'	×	--			silt content increases at 30'
35								Total Depth = 31 feet bgs No groundwater encountered SGP installed at 30.5 feet bgs

GE_SBL_OLD SJ4 BURBANK BORING LOGS.GPJ LAEWN01.GDT 6/20/16



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BORING LOG

PROJECT NUMBER 11235.002	BORING/WELL NUMBER B10
PROJECT NAME SJ4 Burbank	DATE DRILLED 5/5/2016
LOCATION 777 North Front Street, Burbank, CA	CASING TYPE/DIAMETER -- / --
DRILLING METHOD Direct Push	SCREEN TYPE/SLOT -- / --
SAMPLING METHOD --	GRAVEL PACK TYPE --
GROUND ELEVATION --	GROUT TYPE/QUANTITY -- / --
TOP OF CASING --	DEPTH TO WATER --
LOGGED BY SH	GROUND WATER ELEVATION
REMARKS --	

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (inches)	SAMPLE ID.	EXTENT	PID (ppm)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION
			B10-1'	×	0.0	SM	•••••	Surface - 4" concrete slab
5			B10-4.5'	×	0.2		•••••	Silty SAND, brown, moist, fine to coarse grained sand with non-plastic fines, contains pebbles and gravel
						ML	•••••	Sandy SILT, brown, moist, non-plastic fines and fine grained sand
10			B10-8.5'	×	0.3		•••••	
						SW	ΔΔΔΔΔ	Well-graded SAND, light orange brown, moist, fine to coarse grained sand, contains pebbles
15			B10-14.5'	×	0.0	SM	•••••	Silty SAND, orange brown, moist, fine grained sand with non-plastic fines, pebbly/gravelly sections observed (22-22.5', 25-25.5')
20			B10-20.5'	×	0.0		•••••	
25			B10-25.5'	×	0.3		•••••	
30			B10-30.5'	×	0.0		•••••	contains fine to coarse grained sand
35								Total Depth = 31 feet bgs No groundwater encountered SGP installed at 30.5 feet bgs

GE_SBL_OLD SJ4 BURBANK BORING LOGS.GPJ LAEWN01.GDT 6/20/16



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BORING LOG

PROJECT NUMBER	11235.002	BORING/WELL NUMBER	B11
PROJECT NAME	SJ4 Burbank	DATE DRILLED	5/5/2016
LOCATION	777 North Front Street, Burbank, CA	CASING TYPE/DIAMETER	-- / --
DRILLING METHOD	Direct Push	SCREEN TYPE/SLOT	-- / --
SAMPLING METHOD	--	GRAVEL PACK TYPE	--
GROUND ELEVATION	--	GROUT TYPE/QUANTITY	-- / --
TOP OF CASING	--	DEPTH TO WATER	--
LOGGED BY	SH	GROUND WATER ELEVATION	
REMARKS	--		

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (inches)	SAMPLE ID.	EXTENT	PID (ppm)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION
						SM		Surface - 4" concrete slab
			B11-1'	⊗	0.0			Silty SAND, brown to dark brown, fine grained sand and non-plastic fines
5			B11-4.5'	⊗	0.0			
			B11-8.5'	⊗	0.0			orange brown
10						SW		Well-graded SAND, orange brown, moist, fine to coarse grained sand
			B11-14.5'	⊗	0.0	SM		same as at 4"
15								
			B11-20.5'	⊗	0.0			
20								Total Depth = 21 feet bgs No groundwater encountered SGP installed at 20.5 feet bgs
25								

GE_SBL_OLD SJ4 BURBANK BORING LOGS.GPJ LAEWN01.GDT 6/20/16

**BORING LOG**

PROJECT NUMBER 11235.002	BORING/WELL NUMBER B12
PROJECT NAME SJ4 Burbank	DATE DRILLED 5/5/2016
LOCATION 777 North Front Street, Burbank, CA	CASING TYPE/DIAMETER -- / --
DRILLING METHOD Direct Push	SCREEN TYPE/SLOT -- / --
SAMPLING METHOD --	GRAVEL PACK TYPE --
GROUND ELEVATION --	GROUT TYPE/QUANTITY -- / --
TOP OF CASING --	DEPTH TO WATER --
LOGGED BY SH	GROUND WATER ELEVATION
REMARKS --	

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (inches)	SAMPLE ID.	EXTENT	PID (ppm)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION
								Surface - 6" concrete slab
			B12-1'	X	0.0	SW ML		Gravelly SAND, reddish brown, moist, fine to coarse grained sand with gravel
			B12-5'	X	0.0			Sandy SILT, brown, moist, non-plastic fines with fine grained sand
5			B12-5'D	X	--			
								becomes reddish brown and contains fine and medium grained sand below 6'
10			B12-11'	X	0.0			
15			B12-17'	X	0.0			
20								Total Depth = 17.5 feet bgs No groundwater encountered SGP installed at 17 feet bgs



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BORING LOG

PROJECT NUMBER 11235.002 BORING/WELL NUMBER B13
PROJECT NAME SJ4 Burbank DATE DRILLED 5/6/2016
LOCATION 777 North Front Street, Burbank, CA CASING TYPE/DIAMETER -- / --
DRILLING METHOD Direct Push SCREEN TYPE/SLOT -- / --
SAMPLING METHOD -- GRAVEL PACK TYPE --
GROUND ELEVATION -- GROUT TYPE/QUANTITY -- / --
TOP OF CASING -- DEPTH TO WATER --
LOGGED BY WBS GROUND WATER ELEVATION --
REMARKS --

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (inches)	SAMPLE ID.	EXTENT	PID (ppm)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION
								Surface - 7" concrete slab
			B13-1'	0.0		ML		Sandy SILT, dark brown, moist, non-plastic fines with fine grained sand same as above
5			B13-5'	2.2				SILT, very dark brown, moist, non-plastic fines
10			B13-11'	0.1				Sandy SILT, brown, moist, non-plastic fines with fine grained sand
15			B13-17'	0.1				same as above
20								Total Depth = 18 feet bgs No groundwater encountered SGP installed at 17 feet bgs

GE_SBL_OLD SJ4 BURBANK BORING LOGS.GPJ LAEWN01.GDT 6/20/16

**BORING LOG**

PROJECT NUMBER	11235.002	BORING/WELL NUMBER	B14
PROJECT NAME	SJ4 Burbank	DATE DRILLED	5/6/2016
LOCATION	777 North Front Street, Burbank, CA	CASING TYPE/DIAMETER	-- / --
DRILLING METHOD	Direct Push	SCREEN TYPE/SLOT	-- / --
SAMPLING METHOD	--	GRAVEL PACK TYPE	--
GROUND ELEVATION	--	GROUT TYPE/QUANTITY	-- / --
TOP OF CASING	--	DEPTH TO WATER	--
LOGGED BY	WBS	GROUND WATER ELEVATION	
REMARKS	--		

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (inches)	SAMPLE ID.	EXTENT	PID (ppm)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION
								Surface - 7" concrete slab
			B14-1'	✕	0.0	SC		Silty, Clayey SAND, dark gray, moist, fine grained sand with slightly plastic fines same as above
5			B14-5'	✕	0.0			same as above, 6" concrete layer at 5.5'
10			B14-11'	✕	0.0	ML		Sandy SILT, brown, moist, non-plastic fines with fine grained sand
15			B14-17'	✕	0.0			same as above
20								Total Depth = 18 feet bgs No groundwater encountered SGP installed at 17 feet bgs

**BORING LOG**

PROJECT NUMBER	11235.002	BORING/WELL NUMBER	B15
PROJECT NAME	SJ4 Burbank	DATE DRILLED	5/6/2016
LOCATION	777 North Front Street, Burbank, CA	CASING TYPE/DIAMETER	-- / --
DRILLING METHOD	Direct Push	SCREEN TYPE/SLOT	-- / --
SAMPLING METHOD	--	GRAVEL PACK TYPE	--
GROUND ELEVATION	--	GROUT TYPE/QUANTITY	-- / --
TOP OF CASING	--	DEPTH TO WATER	--
LOGGED BY	WBS	GROUND WATER ELEVATION	
REMARKS	--		

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (inches)	SAMPLE ID.	EXTENT	PID (ppm)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION
								Surface - 7" concrete slab
			B15-1'	X	0.0	CL ML		Silty CLAY, dark brown, moist, slightly plastic fines with non-plastic fines
			B15-4'	X	0.0	SM		Silty SAND, dark strong red, moist, fine grained sand with non-plastic fines
5			B15-5'	X	0.0	CL ML		same as at 7", light olive brown
								Total Depth = 6 feet bgs No groundwater encountered SGP installed at 4 feet bgs
10								

**BORING LOG**

PROJECT NUMBER	11235.002	BORING/WELL NUMBER	LB1
PROJECT NAME	SJ4 Burbank	DATE DRILLED	5/6/2016
LOCATION	777 North Front Street, Burbank, CA	CASING TYPE/DIAMETER	-- / --
DRILLING METHOD	Direct Push	SCREEN TYPE/SLOT	-- / --
SAMPLING METHOD	--	GRAVEL PACK TYPE	--
GROUND ELEVATION	--	GROUT TYPE/QUANTITY	-- / --
TOP OF CASING	--	DEPTH TO WATER	--
LOGGED BY	WBS	GROUND WATER ELEVATION	
REMARKS	--		

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (inches)	SAMPLE ID.	EXTENT	PID (ppm)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION
						ML		Topsoil over Sandy SILT, brown, moist, non-plastic fines with fine grained sand
			LB1-1'	⊗	0.0			same as above
5			LB1-4.5'	⊗	0.0			same as above
			LB1-8.5'	⊗	0.0	ML CL		Clayey SILT, brown, moist, non-plastic fines with slightly plastic fines
10								
			LB1-14.5'	⊗	0.0			same as above
15								
			LB1-20.5'	⊗	0.0	CL		CLAY, dark brown, moist, slightly plastic fines
20								
								Total Depth = 21.5 feet bgs No groundwater encountered SGPs installed at 15 feet and 20.5 feet bgs
25								

**BORING LOG**

PROJECT NUMBER	11235.002	BORING/WELL NUMBER	LB2
PROJECT NAME	SJ4 Burbank	DATE DRILLED	5/6/2016
LOCATION	777 North Front Street, Burbank, CA	CASING TYPE/DIAMETER	-- / --
DRILLING METHOD	Direct Push	SCREEN TYPE/SLOT	-- / --
SAMPLING METHOD	--	GRAVEL PACK TYPE	--
GROUND ELEVATION	--	GROUT TYPE/QUANTITY	-- / --
TOP OF CASING	--	DEPTH TO WATER	--
LOGGED BY	WBS	GROUND WATER ELEVATION	
REMARKS	--		

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (inches)	SAMPLE ID.	EXTENT	PID (ppm)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION
			LB2-1'	⊗	0.0	ML		Topsoil over Sandy SILT, brown, moist, non-plastic fines with fine grained sand same as above
5			LB2-4.5'	⊗	0.0			contains some gravel
10			LB2-8.5'	⊗	0.0	SW		Gravelly SAND, light grayish brown, moist, fine to coarse grained sand with gravel
15			LB2-14.5'	⊗	0.0	ML		Sandy SILT, brown, moist, non-plastic fines with fine grained sand
20			LB2-20.5'	⊗	0.0	CL		Sandy CLAY, brown, moist, slightly plastic fines with fine grained sand
25								Total Depth = 21.5 feet bgs No groundwater encountered SGP installed at 19.5 feet bgs



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BORING LOG

PROJECT NUMBER	11235.002	BORING/WELL NUMBER	LB3
PROJECT NAME	SJ4 Burbank	DATE DRILLED	5/6/2016
LOCATION	777 North Front Street, Burbank, CA	CASING TYPE/DIAMETER	-- / --
DRILLING METHOD	Direct Push	SCREEN TYPE/SLOT	-- / --
SAMPLING METHOD	--	GRAVEL PACK TYPE	--
GROUND ELEVATION	--	GROUT TYPE/QUANTITY	-- / --
TOP OF CASING	--	DEPTH TO WATER	--
LOGGED BY	WBS	GROUND WATER ELEVATION	
REMARKS	--		

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (inches)	SAMPLE ID.	EXTENT	PID (ppm)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION
						SM		Surface - 6" concrete slab
			LB3-1'	×	0.1			Silty SAND, brown to reddish brown, moist, fine grained sand with non-plastic fines
			LB3-1'-D	×	--			same as above
5			LB3-4.5'	×	0.0	SP		Gravelly SAND, gray, moist to dry, fine grained sand with gravel
10			LB3-8.5'	×	0.0	SP SM		Poorly-graded SAND with SILT, brown, moist, fine grained sand with non-plastic fines
15			LB3-14.5'	×	0.0	SM		Silty SAND, brown, moist, fine grained sand with non-plastic fines
20			LB3-20.5'	×	0.6			more silty with depth
25								Total Depth = 21.5 feet bgs No groundwater encountered SGP installed at 20 feet bgs

GE_SBL_OLD_SJ4_BURBANK_BORING_LOGS.GPJ LAEWN01.GDT 6/20/16

**BORING LOG**

PROJECT NUMBER	11235.002	BORING/WELL NUMBER	LB4
PROJECT NAME	SJ4 Burbank	DATE DRILLED	5/5/2016
LOCATION	777 North Front Street, Burbank, CA	CASING TYPE/DIAMETER	-- / --
DRILLING METHOD	Direct Push	SCREEN TYPE/SLOT	-- / --
SAMPLING METHOD	--	GRAVEL PACK TYPE	--
GROUND ELEVATION	--	GROUT TYPE/QUANTITY	-- / --
TOP OF CASING	--	DEPTH TO WATER	--
LOGGED BY	WBS	GROUND WATER ELEVATION	
REMARKS	--		

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (inches)	SAMPLE ID.	EXTENT	PID (ppm)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION
			LB4-1'	⊗	0.3	SM CL		Surface - 4" concrete slab Silty SAND, reddish brown to dark grayish brown, moist, fine to medium grained sand with non-plastic fines Sandy CLAY, reddish brown to dark grayish brown, moist, slightly plastic fines with fine grained sand
5			LB4-4.5'	⊗	0.4	SM		same as at 4"
10			LB4-8.5'	⊗	0.4	SP		Poorly-graded SAND with GRAVEL, dry, light gray, fine to medium grained sand with 3/4" max broken gravel
15			LB4-14.5'	⊗	0.4	ML		SILT, dark grayish brown, moist, non-plastic fines
20			LB4-20.5'	⊗	0.4	SM		grades into Silty SAND, brown, moist, fine grained sand with non-plastic fines
25								Total Depth = 21.5 feet bgs No groundwater encountered SGP installed at 20.5 feet bgs

**BORING LOG**

PROJECT NUMBER	11235.002	BORING/WELL NUMBER	LB5
PROJECT NAME	SJ4 Burbank	DATE DRILLED	5/5/2016
LOCATION	777 North Front Street, Burbank, CA	CASING TYPE/DIAMETER	-- / --
DRILLING METHOD	Direct Push	SCREEN TYPE/SLOT	-- / --
SAMPLING METHOD	--	GRAVEL PACK TYPE	--
GROUND ELEVATION	--	GROUT TYPE/QUANTITY	-- / --
TOP OF CASING	--	DEPTH TO WATER	--
LOGGED BY	SH	GROUND WATER ELEVATION	
REMARKS	--		

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (inches)	SAMPLE ID.	EXTENT	PID (ppm)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION
						SM		Surface - 6" concrete slab
			LB5-1' LB5-1D	☒ ☒	0.0 -			Silty SAND with CLAY, reddish brown, moist, fine to coarse grained sand with non-plastic fines, slightly plastic fines, and some pebbles/gravel no clay or pebbles, trace medium to coarse grained sand
5			LB5-4.5'	☒	0.0			
			LB5-8.5'	☒	0.0	ML		Sandy SILT, brown, moist, non-plastic fines with fine grained sand
10						GP		Sandy, Silty GRAVEL, brownish gray, dry, fine to coarse gravel
15			LB5-14.5'	☒	0.0	ML		Sandy SILT with CLAY, reddish brown, moist, non-plastic fines with fine grained sand and slightly plastic fines
20			LB5-20.5'	☒	0.0			
25								Total Depth = 21 feet bgs No groundwater encountered SGPs installed at 14.5 and 20.5 feet bgs



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BORING LOG

PROJECT NUMBER 11235.002 **BORING/WELL NUMBER** LB6
PROJECT NAME SJ4 Burbank **DATE DRILLED** 5/5/2016
LOCATION 777 North Front Street, Burbank, CA **CASING TYPE/DIAMETER** -- / --
DRILLING METHOD Direct Push **SCREEN TYPE/SLOT** -- / --
SAMPLING METHOD -- **GRAVEL PACK TYPE** --
GROUND ELEVATION -- **GROUT TYPE/QUANTITY** -- / --
TOP OF CASING -- **DEPTH TO WATER** --
LOGGED BY WBS **GROUND WATER ELEVATION** _____
REMARKS --

GE_SBL_OLD SJ4 BURBANK BORING LOGS.GPJ LAEWN01.GDT 6/20/16

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (inches)	SAMPLE ID.	EXTENT	PID (ppm)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION
						ML		Topsoil over Sandy SILT, brown, moist, non-plastic fines with fine grained sand
			LB6-1'	✕	0.0			same as above
5			LB6-5'	✕	0.0			same as above
10			LB6-11'	✕	0.0			more sand and some gravel
15			LB6-17'	✕	0.0			Clayey, Sandy SILT, brown, moist, non-plastic fines with fine to medium grained sand and slightly plastic fines, coarsens toward sample bottom, silty sand at sample bottom
20								Total Depth = 18 feet bgs No groundwater encountered SGP installed at 17 feet bgs



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BORING LOG

PROJECT NUMBER	11235.002	BORING/WELL NUMBER	LB7
PROJECT NAME	SJ4 Burbank	DATE DRILLED	5/5/2016
LOCATION	777 North Front Street, Burbank, CA	CASING TYPE/DIAMETER	-- / --
DRILLING METHOD	Direct Push	SCREEN TYPE/SLOT	-- / --
SAMPLING METHOD	--	GRAVEL PACK TYPE	--
GROUND ELEVATION	--	GROUT TYPE/QUANTITY	-- / --
TOP OF CASING	--	DEPTH TO WATER	--
LOGGED BY	SH	GROUND WATER ELEVATION	
REMARKS	--		

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (inches)	SAMPLE ID.	EXTENT	PID (ppm)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION
								Surface - 6" concrete slab
			LB7-1'	X	--	SM ML		Silty SAND, brown, moist, fine to coarse grained sand with non-plastic fines, contains pebbles Sandy SILT, brown, moist, non-plastic fines with fine grained sand
5			LB7-5'	X	--			
10			LB7-11'	X	--			
15			LB7-17'	X	--			becomes reddish brown and sand is fine to medium below 12'
20								Total Depth = 17.5 feet bgs No groundwater encountered SGP installed at 17 feet bgs

GE_SBL_OLD SJ4 BURBANK BORING LOGS.GPJ LAEWN01.GDT 6/20/16



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BORING LOG

PROJECT NUMBER	11235.002	BORING/WELL NUMBER	LB8
PROJECT NAME	SJ4 Burbank	DATE DRILLED	5/5/2016
LOCATION	777 North Front Street, Burbank, CA	CASING TYPE/DIAMETER	-- / --
DRILLING METHOD	Direct Push	SCREEN TYPE/SLOT	-- / --
SAMPLING METHOD	--	GRAVEL PACK TYPE	--
GROUND ELEVATION	--	GROUT TYPE/QUANTITY	-- / --
TOP OF CASING	--	DEPTH TO WATER	--
LOGGED BY	SH	GROUND WATER ELEVATION	
REMARKS	--		

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (inches)	SAMPLE ID.	EXTENT	PID (ppm)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION
								Surface - 7" concrete slab
			LB8-1'	0.5		ML		Gravel/dry sand mixed (base) Sandy SILT, dark brown, moist, non-plastic fines with fine grained sand
5			LB8-5'	0.1				
10			LB8-11'	0.0				
15						SM		Silty SAND, orange brown, moist, fine to medium grained sand with non-plastic fines
			LB8-17'	0.0				Total Depth = 17.5 feet bgs No groundwater encountered SGP installed at 17 feet bgs
20								

GE_SBL_OLD SJ4 BURBANK BORING LOGS.GPJ LAEWN01.GDT 6/20/16

APPENDIX D

PHOTOGRAPHS OF SELECTED
CONTINUOUSLY-CORED BORING INTERVALS



Leighton



Boring A 1

14.5'

20.5'

ULTRAGARD NT8

ULTRAGARD NT8

POWDER FREE
NITRILE
GLOVES

Boring A #2

8'

12'

16'

20'

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100 ft

4'

8'

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16'

24'

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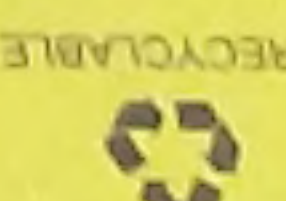
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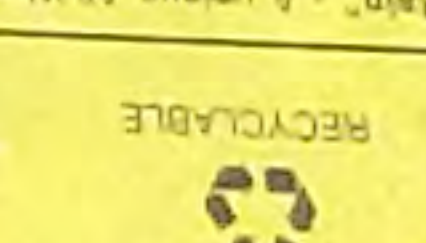
Write on the back of the tag for outdoor writing...
for writing products...
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16'
12'
8'
4'

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16'

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20'

24'

28'

32'

Boring A13
5-5-16

4'

8'

12'

20'

POWDER FREE
NITRILE
EXAM
Not made with Natural Rubber Latex



10.5 → 20.5

10.5

B2
5/5/16

14.5

14.5

12.5



16 → 20.5

110 → 14.5

155 → 160

45 → 80

B3

SOIL LOG

DATE

TIME

LOCATION

DEPTH

MOISTURE

TEMPERATURE

PH

COLOUR

SMELL

TEXTURE

STRUCTURE

ROOTS

FAUNAL

FLORAL

OTHER

10.5 → 210.2

11 → 20.5

12 → 14.5

14.5 → 16.0

8.5 → 17.0

12.0

9.5 → 8.0

1.0 → 4.0

Blo
5/4/16

4.5



10.5 → 9.1

B7

9.1

10.0 → 14.5

1.0 → 8.0

1.0 → 4.0

10.5

1.0

1.0



88

Soil Sample 11/1/11

12 → 14.5

14.5 → 16.0

16.0 → 17.5

17.5 → 19.0

19.0 → 20.5

B9 5/5/16





97515 019

155-750

115-750

115-750



50-2

B11

0.4-0

8-2-0

4.5-8.0



17-210

11-212

12'

B12

1-2

1-2

Boring ~~XXXXX~~ B13
5-6-16

4'

8'

12'

16'

20'



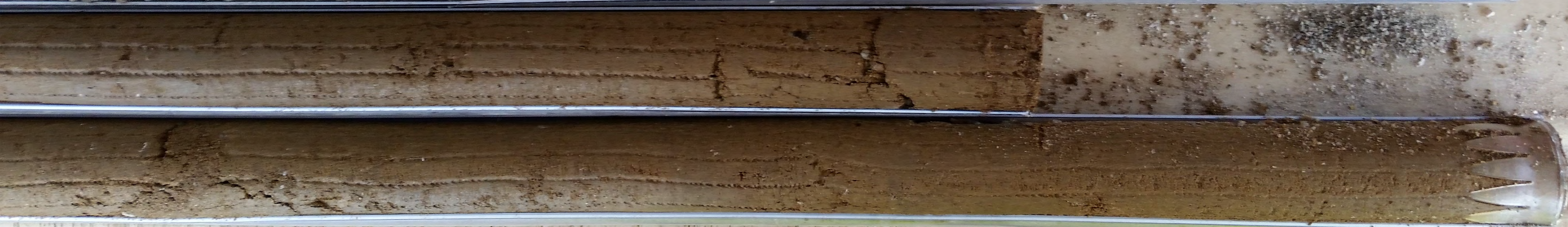
Boring ~~XXXXXX~~
5-6-16 B14



4'



8'



12'



16'

20'

Boring ~~XXXXXX~~
5-6-16 ~~XXXX~~
BIS
0-5'



Boring L81
Sample

4'
5'
6'
7'
8'
9'



Boring L3#2
5-6-16

4'

8'

12'

16'

20'

Boring LB#13
5-6-16

4'

8'

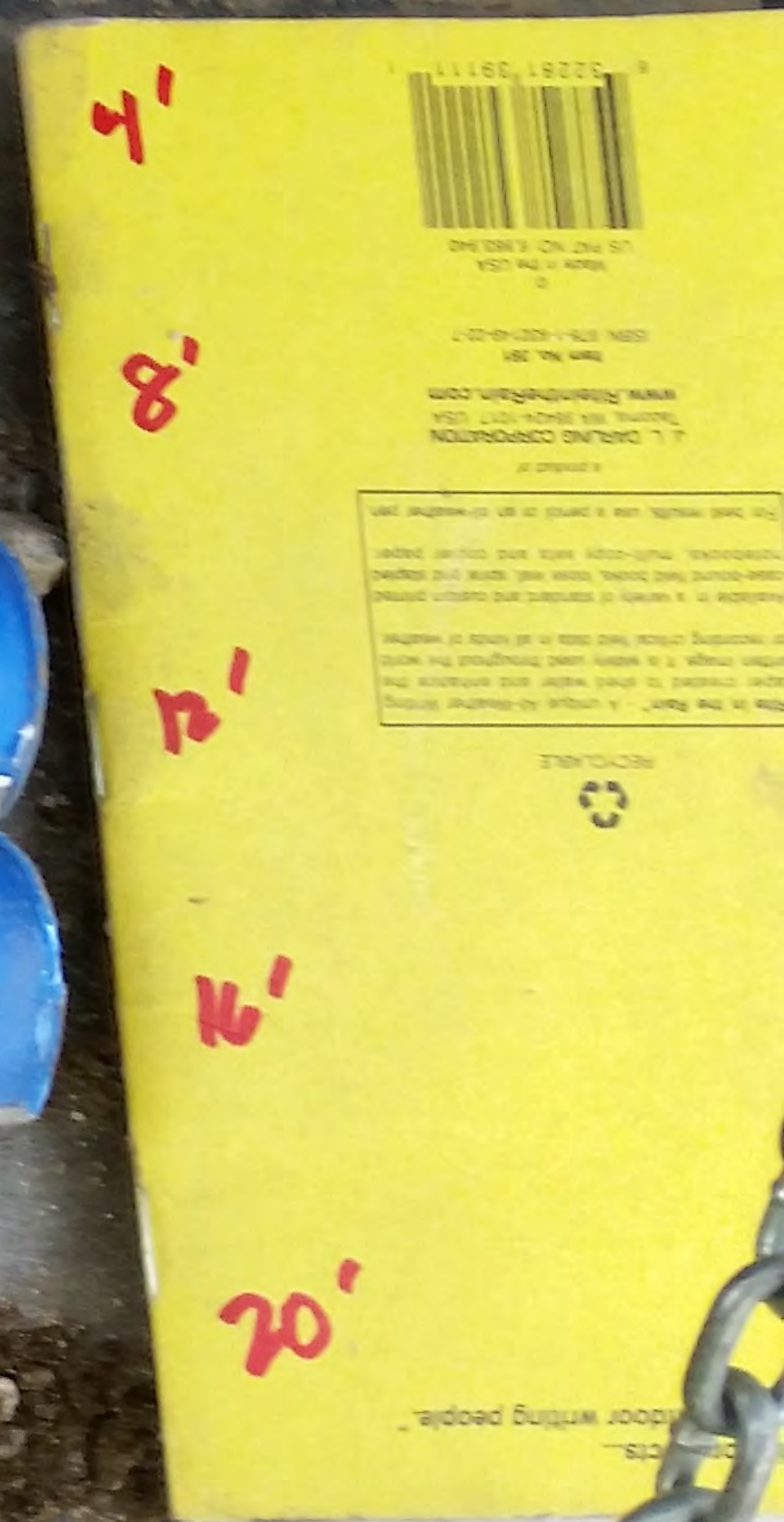
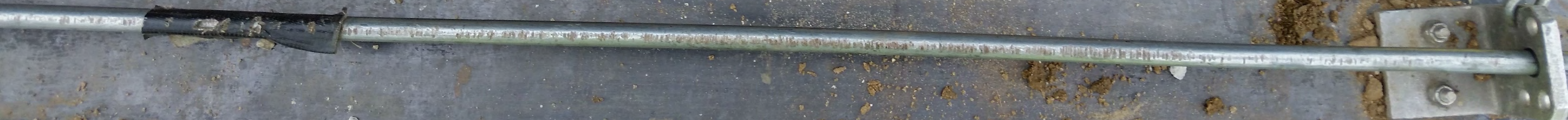
12'

16'

20'



5-5-16 Borug ~~100~~ 434



16.0 → 20.5

506

14.5 → 16.5

17 → 20.5

2.5 → 17.0

4.0 → 7.8.0

UBS
5/5/110



5-5-16 Borng LBG

1' sleeve

5' sleeve

11' sleeve

17' sleeve

CB7



10-01

10-02

10-03



ULTRAGARD N18

POWDER FREE
NITRILE
EXAMINATION GLOVES

Latex Free
Powder Free
Non-Sterile
Disposable
Fit: Extra Small

Not made with Natural Rubber Latex





APPENDIX E

LABORATORY ANALYTICAL TEST DATA AND CHAIN-OF-CUSTODY DOCUMENTS – SOIL GAS



Leighton



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805-399-0060

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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/6/2016
JEL Ref. No.: C-2447
Client Ref. No.: 11235.002

Attn: Robin Ferber

Date Sampled: 5/6/2016

Project Name: SJ4 Burbank LLC
Project Address: 777 North Front Street
Burbank, CA

Date Received: 5/6/2016

Date Analyzed: 5/6/2016

Physical State: Soil Gas

ANALYSES REQUESTED

1. EPA 8260B - Volatile Organics by GC/MS + Oxygenates

Sampling – Soil Gas samples were collected in glass gas-tight syringes equipped with Teflon plungers.

A tracer gas, n-pentane, was placed at the tubing-surface interface before sampling. This compound was analyzed during the 8260B analytical run to determine if there were surface leaks into the subsurface due to improper installation of the probe. N-pentane was not found in any of the samples reported herein.

The sampling rate was approximately 200 cc/min, except when noted differently on the chain of custody record, using a glass gas-tight syringe. Purging was completed using a pump set at approximately 200 cc/min, except when noted differently on the chain of custody record. A default of 3 purge volumes was used as recommended by July 2015 DTSC/RWQCB guidance documents.

Prior to purging and sampling of soil gas at each point, a shut-in test was conducted to check for leaks in the above ground fittings. The shut-in test was performed on the above ground apparatus by evacuating the line to a vacuum of 100 inches of water, sealing the entire system and watching the vacuum for at least one minute. A vacuum gauge attached in parallel to the apparatus measured the vacuum. If there was any observable loss of vacuum, the fittings were adjusted as needed until the vacuum did not change noticeably. The soil gas sample was then taken.

No flow conditions occur when a sampling rate greater than 10 mL/min cannot be maintained without applying a vacuum greater than 100 inches of water to the sampling train. The sampling train is left at a vacuum for no less than three minutes. If the vacuum does not subside appreciably after three minutes, the sample location is determined to be a no flow sample.

Analytical – Soil Gas samples were analyzed using EPA Method 8260 that includes extra compounds required by DTSC/RWQCB (such as Freon 113). Instrument Continuing Calibration Verification, QC Reference Standards, Instrument Blanks and Sampling Blanks were analyzed every 12 hours as prescribed by the method. In addition, a Laboratory Control Sample (LCS) and Laboratory Control Sample Duplicate (LCSD) were analyzed with each batch of Soil Gas samples. A duplicate/replicate sample was analyzed each day of the sampling activity. All samples were injected into the GC/MS system within 30 minutes of sampling.

Approval:

Steve Jones, Ph.D.
Laboratory Manager



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JONES ENVIRONMENTAL LABORATORY RESULTS

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JEL Ref. No.: C-2447
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Attn: Robin Ferber

Date Sampled: 5/6/2016

Date Received: 5/6/2016

Project: SJ4 Burbank LLC
Project Address: 777 North Front Street
Burbank, CA

Date Analyzed: 5/6/2016

Physical State: Soil Gas

EPA 8260B – Volatile Organics by GC/MS + Oxygenates

<u>Sample ID:</u>	LB8-17'	B12-17'	LB7-17'	B11-20.5'	B10-30.5'		
<u>JEL ID:</u>	C-2447-01	C-2447-02	C-2447-03	C-2447-04	C-2447-05	<u>Practical Quantitation</u>	<u>Units</u>
Analytes:						<u>Limit</u>	
Benzene	ND	ND	ND	ND	ND	8.0	µg/m ³
Bromobenzene	ND	ND	ND	ND	ND	8.0	µg/m ³
Bromodichloromethane	ND	ND	ND	ND	ND	8.0	µg/m ³
Bromoform	ND	ND	ND	ND	ND	8.0	µg/m ³
n-Butylbenzene	ND	ND	ND	ND	ND	8.0	µg/m ³
sec-Butylbenzene	ND	ND	ND	ND	ND	8.0	µg/m ³
tert-Butylbenzene	ND	ND	ND	ND	ND	8.0	µg/m ³
Carbon tetrachloride	ND	ND	ND	ND	ND	8.0	µg/m ³
Chlorobenzene	ND	ND	ND	ND	ND	8.0	µg/m ³
Chloroform	ND	ND	ND	ND	55.2	8.0	µg/m ³
2-Chlorotoluene	ND	ND	ND	ND	ND	8.0	µg/m ³
4-Chlorotoluene	ND	ND	ND	ND	ND	8.0	µg/m ³
Dibromochloromethane	ND	ND	ND	ND	ND	8.0	µg/m ³
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	8.0	µg/m ³
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	ND	8.0	µg/m ³
Dibromomethane	ND	ND	ND	ND	ND	8.0	µg/m ³
1,2- Dichlorobenzene	ND	ND	ND	ND	ND	8.0	µg/m ³
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	8.0	µg/m ³
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	8.0	µg/m ³
Dichlorodifluoromethane	ND	ND	185	312	1730	8.0	µg/m ³
1,1-Dichloroethane	ND	ND	ND	ND	ND	8.0	µg/m ³
1,2-Dichloroethane	ND	ND	ND	ND	ND	8.0	µg/m ³
1,1-Dichloroethene	937	71.4	67.3	ND	424	8.0	µg/m ³
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	8.0	µg/m ³
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	8.0	µg/m ³
1,2-Dichloropropane	ND	ND	ND	ND	ND	8.0	µg/m ³
1,3-Dichloropropane	ND	ND	ND	ND	ND	8.0	µg/m ³
2,2-Dichloropropane	ND	ND	ND	ND	ND	8.0	µg/m ³
1,1-Dichloropropene	ND	ND	ND	ND	ND	8.0	µg/m ³

JONES ENVIRONMENTAL LABORATORY RESULTS

EPA 8260B – Volatile Organics by GC/MS + Oxygenates

<u>Sample ID:</u>	LB8-17'	B12-17'	LB7-17'	B11-20.5'	B10-30.5'		
<u>JEL ID:</u>	C-2447-01	C-2447-02	C-2447-03	C-2447-04	C-2447-05	<u>Practical Quantitation</u>	<u>Units</u>
Analytes:						<u>Limit</u>	
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	8.0	µg/m³
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	8.0	µg/m³
Ethylbenzene	17.8	ND	ND	ND	ND	8.0	µg/m³
Freon 113	ND	ND	53.2	89.0	297	40.0	µg/m³
Hexachlorobutadiene	ND	ND	ND	ND	ND	8.0	µg/m³
Isopropylbenzene	ND	ND	ND	ND	ND	8.0	µg/m³
4-Isopropyltoluene	8.6	ND	ND	22.6	ND	8.0	µg/m³
Methylene chloride	ND	ND	ND	ND	ND	8.0	µg/m³
Naphthalene	ND	ND	ND	ND	ND	8.0	µg/m³
n-Propylbenzene	ND	ND	ND	ND	ND	8.0	µg/m³
Styrene	ND	ND	ND	ND	ND	8.0	µg/m³
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	8.0	µg/m³
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	8.0	µg/m³
Tetrachloroethylene	14600	5790	3280	3630	13300	8.0	µg/m³
Toluene	97.4	ND	ND	ND	11.9	8.0	µg/m³
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	8.0	µg/m³
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	8.0	µg/m³
1,1,1-Trichloroethane	1630	491	85.6	44.3	ND	8.0	µg/m³
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	8.0	µg/m³
Trichloroethylene	173	ND	42.0	19.1	4540	8.0	µg/m³
Trichlorofluoromethane	ND	ND	ND	ND	ND	8.0	µg/m³
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	8.0	µg/m³
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	8.0	µg/m³
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	8.0	µg/m³
Vinyl chloride	ND	ND	ND	ND	ND	8.0	µg/m³
Xylenes	89.1	ND	ND	ND	ND	8.0	µg/m³
MTBE	ND	ND	ND	ND	ND	40.0	µg/m³
Ethyl-tert-butylether	ND	ND	ND	ND	ND	40.0	µg/m³
Di-isopropylether	ND	ND	ND	ND	ND	40.0	µg/m³
tert-amylmethylether	ND	ND	ND	ND	ND	40.0	µg/m³
tert-Butylalcohol	ND	ND	ND	ND	ND	400	µg/m³
TIC:							
n-pentane	ND	ND	ND	ND	ND	8.0	µg/m³
Dilution Factor	1	1	1	1	1		
Surrogate Recoveries:						QC Limits	
Dibromofluoromethane	102%	106%	105%	104%	101%	60 - 140	
Toluene-d ₈	91%	98%	98%	98%	98%	60 - 140	
4-Bromofluorobenzene	90%	93%	95%	102%	94%	60 - 140	
	C2-050616- CHECKS	C2-050616- CHECKS	C2-050616- CHECKS	C2-050616- CHECKS	C2-050616- CHECKS		

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Leighton & Associates, Inc.	Report date:	5/6/2016
Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	C-2447
		Client Ref. No.:	11235.002
Attn:	Robin Ferber	Date Sampled:	5/6/2016
		Date Received:	5/6/2016
Project:	SJ4 Burbank LLC	Date Analyzed:	5/6/2016
Project Address:	777 North Front Street Burbank, CA	Physical State:	Soil Gas

EPA 8260B – Volatile Organics by GC/MS + Oxygenates

<u>Sample ID:</u>	B10-30.5' REP	B9-30.5'	B8-20.5'	LB5-14.5'	LB5-20.5'		
<u>JEL ID:</u>	C-2447-06	C-2447-07	C-2447-08	C-2447-09	C-2447-10	<u>Practical Quantitation</u>	<u>Units</u>
<u>Analytes:</u>						<u>Limit</u>	
Benzene	ND	33.0	ND	ND	27.4	8.0	µg/m ³
Bromobenzene	ND	ND	ND	ND	ND	8.0	µg/m ³
Bromodichloromethane	ND	ND	ND	ND	ND	8.0	µg/m ³
Bromoform	ND	ND	ND	ND	ND	8.0	µg/m ³
n-Butylbenzene	ND	24.8	ND	ND	ND	8.0	µg/m ³
sec-Butylbenzene	ND	ND	ND	ND	ND	8.0	µg/m ³
tert-Butylbenzene	ND	ND	ND	ND	ND	8.0	µg/m ³
Carbon tetrachloride	ND	ND	ND	ND	ND	8.0	µg/m ³
Chlorobenzene	ND	ND	ND	ND	ND	8.0	µg/m ³
Chloroform	54.5	78.6	58.7	ND	14.2	8.0	µg/m ³
2-Chlorotoluene	ND	ND	ND	ND	ND	8.0	µg/m ³
4-Chlorotoluene	ND	ND	ND	ND	ND	8.0	µg/m ³
Dibromochloromethane	ND	ND	ND	ND	ND	8.0	µg/m ³
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	8.0	µg/m ³
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	ND	8.0	µg/m ³
Dibromomethane	ND	ND	ND	ND	ND	8.0	µg/m ³
1,2- Dichlorobenzene	ND	ND	ND	ND	ND	8.0	µg/m ³
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	8.0	µg/m ³
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	8.0	µg/m ³
Dichlorodifluoromethane	1690	2400	3060	754	927	8.0	µg/m ³
1,1-Dichloroethane	ND	21.2	20.2	ND	ND	8.0	µg/m ³
1,2-Dichloroethane	ND	ND	ND	ND	ND	8.0	µg/m ³
1,1-Dichloroethene	417	449	341	ND	ND	8.0	µg/m ³
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	8.0	µg/m ³
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	8.0	µg/m ³
1,2-Dichloropropane	ND	ND	ND	ND	ND	8.0	µg/m ³
1,3-Dichloropropane	ND	ND	ND	ND	ND	8.0	µg/m ³
2,2-Dichloropropane	ND	ND	ND	ND	ND	8.0	µg/m ³
1,1-Dichloropropene	ND	ND	ND	ND	ND	8.0	µg/m ³

JONES ENVIRONMENTAL LABORATORY RESULTS

EPA 8260B – Volatile Organics by GC/MS + Oxygenates							
<u>Sample ID:</u>	B10-30.5' REP	B9-30.5'	B8-20.5'	LB5-14.5'	LB5-20.5'		
<u>JEL ID:</u>	C-2447-06	C-2447-07	C-2447-08	C-2447-09	C-2447-10	<u>Practical Quantitation</u>	<u>Units</u>
<u>Analytes:</u>						<u>Limit</u>	
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	8.0	µg/m³
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	8.0	µg/m³
Ethylbenzene	ND	40.1	ND	ND	23.2	8.0	µg/m³
Freon 113	296	385	390	141	186	40.0	µg/m³
Hexachlorobutadiene	ND	ND	ND	ND	ND	8.0	µg/m³
Isopropylbenzene	ND	ND	ND	ND	ND	8.0	µg/m³
4-Isopropyltoluene	ND	36.3	ND	ND	16.9	8.0	µg/m³
Methylene chloride	ND	ND	ND	ND	ND	8.0	µg/m³
Naphthalene	ND	ND	ND	ND	ND	8.0	µg/m³
n-Propylbenzene	ND	ND	ND	ND	ND	8.0	µg/m³
Styrene	ND	ND	ND	ND	ND	8.0	µg/m³
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	8.0	µg/m³
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	8.0	µg/m³
Tetrachloroethylene	13800	14400	14600	11800	12400	8.0	µg/m³
Toluene	16.1	171	11.3	54.7	169	8.0	µg/m³
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	8.0	µg/m³
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	8.0	µg/m³
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	8.0	µg/m³
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	8.0	µg/m³
Trichloroethylene	4400	8270	6380	881	1500	8.0	µg/m³
Trichlorofluoromethane	ND	ND	ND	ND	ND	8.0	µg/m³
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	8.0	µg/m³
1,2,4-Trimethylbenzene	ND	71.1	ND	ND	12.3	8.0	µg/m³
1,3,5-Trimethylbenzene	ND	26.2	ND	ND	ND	8.0	µg/m³
Vinyl chloride	ND	ND	ND	ND	ND	8.0	µg/m³
Xylenes	ND	235	ND	21.4	115	8.0	µg/m³
MTBE	ND	ND	ND	ND	ND	40.0	µg/m³
Ethyl-tert-butylether	ND	ND	ND	ND	ND	40.0	µg/m³
Di-isopropylether	ND	ND	ND	ND	ND	40.0	µg/m³
tert-amylmethylether	ND	ND	ND	ND	ND	40.0	µg/m³
tert-Butylalcohol	ND	ND	ND	ND	ND	400	µg/m³
<u>TIC:</u>							
n-pentane	ND	ND	ND	ND	ND	8.0	µg/m³
<u>Dilution Factor</u>	1	1	1	1	1		
<u>Surrogate Recoveries:</u>						<u>QC Limits</u>	
Dibromofluoromethane	103%	101%	102%	103%	101%	60 - 140	
Toluene-d ₈	99%	99%	101%	97%	99%	60 - 140	
4-Bromofluorobenzene	96%	96%	99%	94%	97%	60 - 140	
	C2-050616- CHECKS	C2-050616- CHECKS	C2-050616- CHECKS	C2-050616- CHECKS	C2-050616- CHECKS		

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
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Report date: 5/6/2016
JEL Ref. No.: C-2447
Client Ref. No.: 11235.002

Attn: Robin Ferber

Date Sampled: 5/6/2016

Date Received: 5/6/2016

Project: SJ4 Burbank LLC
Project Address: 777 North Front Street
Burbank, CA

Date Analyzed: 5/6/2016

Physical State: Soil Gas

EPA 8260B – Volatile Organics by GC/MS + Oxygenates

<u>Sample ID:</u>	A13-17'	A12-17'	A11-20.5'	A10-30.5'	A9-30.5'		
<u>JEL ID:</u>	C-2447-11	C-2447-12	C-2447-13	C-2447-14	C-2447-15	<u>Practical Quantitation</u>	<u>Units</u>
<u>Analytes:</u>						<u>Limit</u>	
Benzene	ND	ND	ND	ND	ND	8.0	µg/m ³
Bromobenzene	ND	ND	ND	ND	ND	8.0	µg/m ³
Bromodichloromethane	ND	ND	ND	ND	ND	8.0	µg/m ³
Bromoform	ND	ND	ND	ND	ND	8.0	µg/m ³
n-Butylbenzene	ND	ND	ND	ND	ND	8.0	µg/m ³
sec-Butylbenzene	ND	ND	ND	ND	ND	8.0	µg/m ³
tert-Butylbenzene	ND	ND	ND	ND	ND	8.0	µg/m ³
Carbon tetrachloride	ND	ND	ND	ND	ND	8.0	µg/m ³
Chlorobenzene	ND	ND	ND	ND	ND	8.0	µg/m ³
Chloroform	ND	ND	ND	ND	29.2	8.0	µg/m ³
2-Chlorotoluene	ND	ND	ND	ND	ND	8.0	µg/m ³
4-Chlorotoluene	ND	ND	ND	ND	ND	8.0	µg/m ³
Dibromochloromethane	ND	ND	ND	ND	ND	8.0	µg/m ³
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	8.0	µg/m ³
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	ND	8.0	µg/m ³
Dibromomethane	ND	ND	ND	ND	ND	8.0	µg/m ³
1,2- Dichlorobenzene	ND	ND	ND	ND	ND	8.0	µg/m ³
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	8.0	µg/m ³
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	8.0	µg/m ³
Dichlorodifluoromethane	22.2	38.8	66.0	307	454	8.0	µg/m ³
1,1-Dichloroethane	ND	ND	ND	ND	ND	8.0	µg/m ³
1,2-Dichloroethane	ND	ND	ND	ND	ND	8.0	µg/m ³
1,1-Dichloroethene	909	ND	ND	ND	345	8.0	µg/m ³
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	8.0	µg/m ³
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	8.0	µg/m ³
1,2-Dichloropropane	ND	ND	ND	ND	ND	8.0	µg/m ³
1,3-Dichloropropane	ND	ND	ND	ND	ND	8.0	µg/m ³
2,2-Dichloropropane	ND	ND	ND	ND	ND	8.0	µg/m ³
1,1-Dichloropropene	ND	ND	ND	ND	ND	8.0	µg/m ³

JONES ENVIRONMENTAL LABORATORY RESULTS

EPA 8260B – Volatile Organics by GC/MS + Oxygenates

<u>Sample ID:</u>	A13-17'	A12-17'	A11-20.5'	A10-30.5'	A9-30.5'		
<u>JEL ID:</u>	C-2447-11	C-2447-12	C-2447-13	C-2447-14	C-2447-15	<u>Practical Quantitation</u>	<u>Units</u>
Analytes:						<u>Limit</u>	
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	8.0	µg/m³
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	8.0	µg/m³
Ethylbenzene	ND	ND	ND	ND	ND	8.0	µg/m³
Freon 113	ND	ND	ND	94.4	122	40.0	µg/m³
Hexachlorobutadiene	ND	ND	ND	ND	ND	8.0	µg/m³
Isopropylbenzene	ND	ND	ND	ND	ND	8.0	µg/m³
4-Isopropyltoluene	ND	ND	ND	ND	ND	8.0	µg/m³
Methylene chloride	ND	ND	ND	ND	ND	8.0	µg/m³
Naphthalene	ND	ND	ND	ND	ND	8.0	µg/m³
n-Propylbenzene	ND	ND	ND	ND	ND	8.0	µg/m³
Styrene	ND	ND	ND	ND	ND	8.0	µg/m³
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	8.0	µg/m³
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	8.0	µg/m³
Tetrachloroethylene	845	972	1800	8810	8010	8.0	µg/m³
Toluene	52.4	72.0	67.6	60.6	ND	8.0	µg/m³
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	8.0	µg/m³
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	8.0	µg/m³
1,1,1-Trichloroethane	6060	146	25.8	19.4	ND	8.0	µg/m³
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	8.0	µg/m³
Trichloroethylene	82.6	94.4	30.8	801	2140	8.0	µg/m³
Trichlorofluoromethane	ND	ND	ND	ND	ND	8.0	µg/m³
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	8.0	µg/m³
1,2,4-Trimethylbenzene	ND	ND	22.2	ND	ND	8.0	µg/m³
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	8.0	µg/m³
Vinyl chloride	ND	ND	ND	ND	ND	8.0	µg/m³
Xylenes	ND	32.2	59.0	31.4	ND	8.0	µg/m³
MTBE	ND	ND	ND	ND	ND	40.0	µg/m³
Ethyl-tert-butylether	ND	ND	ND	ND	ND	40.0	µg/m³
Di-isopropylether	ND	ND	ND	ND	ND	40.0	µg/m³
tert-amylmethylether	ND	ND	ND	ND	ND	40.0	µg/m³
tert-Butylalcohol	ND	ND	ND	ND	ND	400	µg/m³
TIC:							
n-pentane	ND	ND	ND	ND	ND	8.0	µg/m³
<u>Dilution Factor</u>	1	1	1	1	1		
<u>Surrogate Recoveries:</u>						<u>QC Limits</u>	
Dibromofluoromethane	80%	106%	106%	118%	106%	60 - 140	
Toluene-d ₈	103%	94%	101%	96%	99%	60 - 140	
4-Bromofluorobenzene	93%	88%	94%	88%	95%	60 - 140	
	E1-050616- CHECKS	E2-050616- CHECKS	E1-050616- CHECKS	E2-050616- CHECKS	E1-050616- CHECKS		

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/6/2016
JEL Ref. No.: C-2447
Client Ref. No.: 11235.002

Attn: Robin Ferber

Date Sampled: 5/6/2016

Date Received: 5/6/2016

Project: SJ4 Burbank LLC
Project Address: 777 North Front Street
Burbank, CA

Date Analyzed: 5/6/2016

Physical State: Soil Gas

EPA 8260B – Volatile Organics by GC/MS + Oxygenates

<u>Sample ID:</u>	A8-20.5'	A7-20.5'	A6-20.5'	A13-17' REP	A5-20.5'		
<u>JEL ID:</u>	C-2447-16	C-2447-17	C-2447-18	C-2447-19	C-2447-20	<u>Practical Quantitation</u>	<u>Units</u>
<u>Analytes:</u>						<u>Limit</u>	
Benzene	29.0	ND	20.8	ND	20.2	8.0	µg/m ³
Bromobenzene	ND	ND	ND	ND	ND	8.0	µg/m ³
Bromodichloromethane	ND	ND	ND	ND	ND	8.0	µg/m ³
Bromoform	ND	ND	ND	ND	ND	8.0	µg/m ³
n-Butylbenzene	ND	ND	ND	ND	ND	8.0	µg/m ³
sec-Butylbenzene	ND	ND	ND	ND	ND	8.0	µg/m ³
tert-Butylbenzene	ND	ND	ND	ND	ND	8.0	µg/m ³
Carbon tetrachloride	ND	ND	ND	ND	ND	8.0	µg/m ³
Chlorobenzene	ND	ND	ND	ND	9.0	8.0	µg/m ³
Chloroform	21.8	101	34.8	ND	121	8.0	µg/m ³
2-Chlorotoluene	ND	ND	ND	ND	ND	8.0	µg/m ³
4-Chlorotoluene	ND	ND	ND	ND	ND	8.0	µg/m ³
Dibromochloromethane	ND	ND	ND	ND	ND	8.0	µg/m ³
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	8.0	µg/m ³
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	ND	8.0	µg/m ³
Dibromomethane	ND	ND	ND	ND	ND	8.0	µg/m ³
1,2- Dichlorobenzene	ND	ND	ND	ND	ND	8.0	µg/m ³
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	8.0	µg/m ³
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	8.0	µg/m ³
Dichlorodifluoromethane	326	978	505	23.6	331	8.0	µg/m ³
1,1-Dichloroethane	ND	ND	ND	ND	ND	8.0	µg/m ³
1,2-Dichloroethane	ND	ND	ND	ND	ND	8.0	µg/m ³
1,1-Dichloroethene	ND	ND	ND	907	ND	8.0	µg/m ³
cis-1,2-Dichloroethene	ND	21.6	ND	ND	ND	8.0	µg/m ³
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	8.0	µg/m ³
1,2-Dichloropropane	ND	ND	ND	ND	ND	8.0	µg/m ³
1,3-Dichloropropane	ND	ND	ND	ND	ND	8.0	µg/m ³
2,2-Dichloropropane	ND	ND	ND	ND	ND	8.0	µg/m ³
1,1-Dichloropropene	ND	ND	ND	ND	ND	8.0	µg/m ³

JONES ENVIRONMENTAL LABORATORY RESULTS

EPA 8260B – Volatile Organics by GC/MS + Oxygenates							
<u>Sample ID:</u>	A8-20.5'	A7-20.5'	A6-20.5'	A13-17' REP	A5-20.5'		
<u>JEL ID:</u>	C-2447-16	C-2447-17	C-2447-18	C-2447-19	C-2447-20	<u>Practical Quantitation</u>	<u>Units</u>
<u>Analytes:</u>						<u>Limit</u>	
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	8.0	µg/m³
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	8.0	µg/m³
Ethylbenzene	35.4	ND	34.2	ND	ND	8.0	µg/m³
Freon 113	90.2	290	124	ND	66.4	40.0	µg/m³
Hexachlorobutadiene	ND	ND	ND	ND	ND	8.0	µg/m³
Isopropylbenzene	ND	ND	ND	ND	ND	8.0	µg/m³
4-Isopropyltoluene	38.8	ND	ND	ND	ND	8.0	µg/m³
Methylene chloride	ND	ND	ND	ND	ND	8.0	µg/m³
Naphthalene	ND	ND	ND	ND	ND	8.0	µg/m³
n-Propylbenzene	ND	ND	ND	ND	ND	8.0	µg/m³
Styrene	ND	ND	ND	ND	ND	8.0	µg/m³
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	847	8.0	µg/m³
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	8.0	µg/m³
Tetrachloroethylene	12900	38000*	105000*	1070	3120000*	8.0	µg/m³
Toluene	204	ND	234	ND	84.0	8.0	µg/m³
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	8.0	µg/m³
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	8.0	µg/m³
1,1,1-Trichloroethane	15.0	22.2	10.8	5880	26.6	8.0	µg/m³
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	8.0	µg/m³
Trichloroethylene	1820	40500*	2020	243	8400	8.0	µg/m³
Trichlorofluoromethane	ND	29.4	ND	ND	ND	8.0	µg/m³
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	8.0	µg/m³
1,2,4-Trimethylbenzene	47.6	ND	31.8	ND	ND	8.0	µg/m³
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	8.0	µg/m³
Vinyl chloride	ND	ND	ND	ND	ND	8.0	µg/m³
Xylenes	213	ND	187	ND	ND	8.0	µg/m³
MTBE	ND	ND	ND	ND	ND	40.0	µg/m³
Ethyl-tert-butylether	ND	ND	ND	ND	ND	40.0	µg/m³
Di-isopropylether	ND	ND	ND	ND	ND	40.0	µg/m³
tert-amylmethylether	ND	ND	ND	ND	ND	40.0	µg/m³
tert-Butylalcohol	ND	ND	ND	ND	ND	400	µg/m³
<u>TIC:</u>							
n-pentane	ND	ND	ND	ND	ND	8.0	µg/m³
<u>Dilution Factor</u>	1	1/10*	1/10*	1	1/250*		
<u>Surrogate Recoveries:</u>						<u>QC Limits</u>	
Dibromofluoromethane	116%	115%	103%	80%	117%	60 - 140	
Toluene-d ₈	98%	97%	98%	102%	93%	60 - 140	
4-Bromofluorobenzene	96%	91%	96%	97%	85%	60 - 140	
	E2-050616- CHECKS	E2-050616- CHECKS	E1-050616- CHECKS	E1-050616- CHECKS	E2-050616- CHECKS		

ND= Not Detected

* = Dilutions for these compound(s); first number for all others



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/6/2016
JEL Ref. No.: C-2447
Client Ref. No.: 11235.002

Attn: Robin Ferber

Date Sampled: 5/6/2016

Date Received: 5/6/2016

Project: SJ4 Burbank LLC
Project Address: 777 North Front Street
Burbank, CA

Date Analyzed: 5/6/2016

Physical State: Soil Gas

EPA 8260B – Volatile Organics by GC/MS + Oxygenates

<u>Sample ID:</u>	A4-20.5'	A3-20.5'	A2-16'	A1-16'	B2-16.5'	<u>Practical Quantitation</u>	<u>Units</u>
<u>JEL ID:</u>	C-2447-21	C-2447-22	C-2447-23	C-2447-24	C-2447-25	<u>Limit</u>	
Analytes:							
Benzene	ND	ND	ND	ND	65.0	8.0	µg/m ³
Bromobenzene	ND	ND	ND	ND	ND	8.0	µg/m ³
Bromodichloromethane	ND	ND	ND	ND	ND	8.0	µg/m ³
Bromoform	ND	ND	ND	ND	ND	8.0	µg/m ³
n-Butylbenzene	ND	ND	ND	11.0	ND	8.0	µg/m ³
sec-Butylbenzene	ND	ND	ND	ND	ND	8.0	µg/m ³
tert-Butylbenzene	ND	ND	ND	ND	ND	8.0	µg/m ³
Carbon tetrachloride	ND	ND	ND	ND	ND	8.0	µg/m ³
Chlorobenzene	ND	ND	ND	ND	ND	8.0	µg/m ³
Chloroform	47.4	ND	ND	ND	ND	8.0	µg/m ³
2-Chlorotoluene	ND	ND	ND	ND	ND	8.0	µg/m ³
4-Chlorotoluene	ND	ND	ND	ND	ND	8.0	µg/m ³
Dibromochloromethane	ND	ND	ND	ND	ND	8.0	µg/m ³
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	8.0	µg/m ³
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	ND	8.0	µg/m ³
Dibromomethane	ND	ND	ND	ND	ND	8.0	µg/m ³
1,2- Dichlorobenzene	ND	ND	ND	ND	ND	8.0	µg/m ³
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	8.0	µg/m ³
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	8.0	µg/m ³
Dichlorodifluoromethane	191	109	111	110	116	8.0	µg/m ³
1,1-Dichloroethane	ND	ND	ND	ND	ND	8.0	µg/m ³
1,2-Dichloroethane	ND	ND	ND	ND	ND	8.0	µg/m ³
1,1-Dichloroethene	ND	ND	ND	ND	ND	8.0	µg/m ³
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	8.0	µg/m ³
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	8.0	µg/m ³
1,2-Dichloropropane	ND	ND	ND	ND	ND	8.0	µg/m ³
1,3-Dichloropropane	ND	ND	ND	ND	ND	8.0	µg/m ³
2,2-Dichloropropane	ND	ND	ND	ND	ND	8.0	µg/m ³
1,1-Dichloropropene	ND	ND	ND	ND	ND	8.0	µg/m ³

JONES ENVIRONMENTAL LABORATORY RESULTS

EPA 8260B – Volatile Organics by GC/MS + Oxygenates							
<u>Sample ID:</u>	A4-20.5'	A3-20.5'	A2-16'	A1-16'	B2-16.5'		
<u>JEL ID:</u>	C-2447-21	C-2447-22	C-2447-23	C-2447-24	C-2447-25	<u>Practical Quantitation</u>	<u>Units</u>
<u>Analytes:</u>						<u>Limit</u>	
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	8.0	µg/m³
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	8.0	µg/m³
Ethylbenzene	ND	ND	85.8	84.2	105	8.0	µg/m³
Freon 113	ND	ND	ND	ND	ND	40.0	µg/m³
Hexachlorobutadiene	ND	ND	ND	ND	ND	8.0	µg/m³
Isopropylbenzene	ND	ND	ND	ND	ND	8.0	µg/m³
4-Isopropyltoluene	18.8	ND	50.0	51.8	23.2	8.0	µg/m³
Methylene chloride	ND	ND	ND	ND	ND	8.0	µg/m³
Naphthalene	ND	ND	ND	ND	ND	8.0	µg/m³
n-Propylbenzene	ND	ND	16.4	16.2	ND	8.0	µg/m³
Styrene	ND	ND	ND	ND	ND	8.0	µg/m³
1,1,1,2-Tetrachloroethane	243	ND	ND	ND	ND	8.0	µg/m³
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	8.0	µg/m³
Tetrachloroethylene	1080000*	56500*	6680	9860	3310	8.0	µg/m³
Toluene	9.4	15.0	244	281	574	8.0	µg/m³
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	8.0	µg/m³
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	8.0	µg/m³
1,1,1-Trichloroethane	ND	ND	182	203	67.6	8.0	µg/m³
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	8.0	µg/m³
Trichloroethylene	4350	59.8	110	143	78.4	8.0	µg/m³
Trichlorofluoromethane	ND	ND	ND	ND	10.8	8.0	µg/m³
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	8.0	µg/m³
1,2,4-Trimethylbenzene	11.0	ND	329	288	124	8.0	µg/m³
1,3,5-Trimethylbenzene	ND	ND	174	144	31.8	8.0	µg/m³
Vinyl chloride	ND	ND	ND	ND	ND	8.0	µg/m³
Xylenes	8.0	ND	590	550	628	8.0	µg/m³
MTBE	ND	ND	ND	ND	ND	40.0	µg/m³
Ethyl-tert-butylether	ND	ND	ND	ND	ND	40.0	µg/m³
Di-isopropylether	ND	ND	ND	ND	ND	40.0	µg/m³
tert-amylmethylether	ND	ND	ND	ND	ND	40.0	µg/m³
tert-Butylalcohol	ND	ND	ND	ND	ND	400	µg/m³
<u>TIC:</u>							
n-pentane	ND	ND	ND	ND	ND	8.0	µg/m³
<u>Dilution Factor</u>	1/250*	1/10*	1	1	1		
<u>Surrogate Recoveries:</u>						<u>QC Limits</u>	
Dibromofluoromethane	104%	114%	106%	115%	105%	60 - 140	
Toluene-d ₈	97%	95%	100%	98%	99%	60 - 140	
4-Bromofluorobenzene	93%	89%	94%	89%	95%	60 - 140	
	E1-050616- CHECKS	E2-050616- CHECKS	E1-050616- CHECKS	E2-050616- CHECKS	E1-050616- CHECKS		

ND= Not Detected

* = Dilutions for these compound(s); first number for all others



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JONES ENVIRONMENTAL LABORATORY RESULTS

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Project: SJ4 Burbank LLC
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Burbank, CA

Date Analyzed: 5/6/2016

Physical State: Soil Gas

EPA 8260B – Volatile Organics by GC/MS + Oxygenates

<u>Sample ID:</u>	B5-20'	B4-19'	LB4-20.5'	LB3-20'	LB1-15'		
<u>JEL ID:</u>	C-2447-28	C-2447-29	C-2447-30	C-2447-31	C-2447-32	<u>Practical Quantitation</u>	<u>Units</u>
<u>Analytes:</u>						<u>Limit</u>	
Benzene	13.4	20.8	25.2	26.9	ND	8.0	µg/m ³
Bromobenzene	ND	ND	ND	ND	ND	8.0	µg/m ³
Bromodichloromethane	ND	ND	ND	ND	ND	8.0	µg/m ³
Bromoform	ND	ND	ND	ND	ND	8.0	µg/m ³
n-Butylbenzene	ND	24.2	ND	ND	ND	8.0	µg/m ³
sec-Butylbenzene	ND	ND	ND	ND	ND	8.0	µg/m ³
tert-Butylbenzene	ND	ND	ND	ND	ND	8.0	µg/m ³
Carbon tetrachloride	ND	ND	ND	ND	ND	8.0	µg/m ³
Chlorobenzene	ND	ND	ND	ND	ND	8.0	µg/m ³
Chloroform	ND	ND	ND	67.0	ND	8.0	µg/m ³
2-Chlorotoluene	ND	ND	ND	ND	ND	8.0	µg/m ³
4-Chlorotoluene	ND	ND	ND	ND	ND	8.0	µg/m ³
Dibromochloromethane	ND	ND	ND	ND	ND	8.0	µg/m ³
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	8.0	µg/m ³
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	ND	8.0	µg/m ³
Dibromomethane	ND	ND	ND	ND	ND	8.0	µg/m ³
1,2- Dichlorobenzene	ND	ND	ND	ND	ND	8.0	µg/m ³
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	8.0	µg/m ³
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	8.0	µg/m ³
Dichlorodifluoromethane	269	90.8	698	200	43.4	8.0	µg/m ³
1,1-Dichloroethane	ND	ND	ND	ND	ND	8.0	µg/m ³
1,2-Dichloroethane	ND	ND	ND	ND	ND	8.0	µg/m ³
1,1-Dichloroethene	ND	ND	ND	242	ND	8.0	µg/m ³
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	8.0	µg/m ³
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	8.0	µg/m ³
1,2-Dichloropropane	ND	ND	ND	ND	ND	8.0	µg/m ³
1,3-Dichloropropane	ND	ND	ND	ND	ND	8.0	µg/m ³
2,2-Dichloropropane	ND	ND	ND	ND	ND	8.0	µg/m ³
1,1-Dichloropropene	ND	ND	ND	ND	ND	8.0	µg/m ³

JONES ENVIRONMENTAL LABORATORY RESULTS

EPA 8260B – Volatile Organics by GC/MS + Oxygenates

<u>Sample ID:</u>	B5-20'	B4-19'	LB4-20.5'	LB3-20'	LB1-15'		
<u>JEL ID:</u>	C-2447-28	C-2447-29	C-2447-30	C-2447-31	C-2447-32	<u>Practical Quantitation</u>	<u>Units</u>
Analytes:						<u>Limit</u>	
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	8.0	µg/m³
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	8.0	µg/m³
Ethylbenzene	72.4	30.5	32.0	35.7	ND	8.0	µg/m³
Freon 113	ND	ND	107	ND	ND	40.0	µg/m³
Hexachlorobutadiene	ND	ND	ND	ND	ND	8.0	µg/m³
Isopropylbenzene	ND	ND	ND	ND	ND	8.0	µg/m³
4-Isopropyltoluene	27.9	60.6	18.3	ND	ND	8.0	µg/m³
Methylene chloride	ND	ND	ND	ND	ND	8.0	µg/m³
Naphthalene	ND	ND	ND	ND	ND	8.0	µg/m³
n-Propylbenzene	ND	ND	ND	ND	ND	8.0	µg/m³
Styrene	ND	ND	ND	ND	ND	8.0	µg/m³
1,1,1,2-Tetrachloroethane	103	48.2	10.6	635	ND	8.0	µg/m³
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	8.0	µg/m³
Tetrachloroethylene	1410000*	1030000*	544000*	10600000*	423	8.0	µg/m³
Toluene	72.5	127	175	114	76.0	8.0	µg/m³
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	8.0	µg/m³
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	8.0	µg/m³
1,1,1-Trichloroethane	ND	ND	ND	8.0	39.2	8.0	µg/m³
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	8.0	µg/m³
Trichloroethylene	373	431	648	4930	38.0	8.0	µg/m³
Trichlorofluoromethane	ND	ND	ND	ND	ND	8.0	µg/m³
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	8.0	µg/m³
1,2,4-Trimethylbenzene	20.0	56.9	10.6	ND	ND	8.0	µg/m³
1,3,5-Trimethylbenzene	ND	20.4	ND	ND	ND	8.0	µg/m³
Vinyl chloride	ND	ND	ND	ND	ND	8.0	µg/m³
Xylenes	85.2	182	156	35.3	11.6	8.0	µg/m³
MTBE	ND	ND	ND	ND	ND	40.0	µg/m³
Ethyl-tert-butylether	ND	ND	ND	ND	ND	40.0	µg/m³
Di-isopropylether	ND	ND	ND	ND	ND	40.0	µg/m³
tert-amylmethylether	ND	ND	ND	ND	ND	40.0	µg/m³
tert-Butylalcohol	ND	ND	ND	ND	ND	400	µg/m³
TIC:							
n-pentane	ND	ND	ND	ND	ND	8.0	µg/m³
Dilution Factor	1/100*	1/100*	1/100*	1/1000*	1		
Surrogate Recoveries:						QC Limits	
Dibromofluoromethane	104%	100%	99%	100%	104%	60 - 140	
Toluene-d ₈	94%	92%	93%	94%	101%	60 - 140	
4-Bromofluorobenzene	97%	95%	95%	95%	97%	60 - 140	
	C2-050616- CHECKS	C2-050616- CHECKS	C2-050616- CHECKS	C2-050616- CHECKS	E1-050616- CHECKS		

ND= Not Detected

* = Dilutions for these compound(s); first number for all others



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/6/2016
JEL Ref. No.: C-2447
Client Ref. No.: 11235.002

Attn: Robin Ferber

Date Sampled: 5/6/2016

Date Received: 5/6/2016

Project: SJ4 Burbank LLC
Project Address: 777 North Front Street
Burbank, CA

Date Analyzed: 5/6/2016

Physical State: Soil Gas

EPA 8260B – Volatile Organics by GC/MS + Oxygenates

<u>Sample ID:</u>	LB1-20.5'	B3-17'	LB2-19.5'	LB6-17'	B13-17'		
<u>JEL ID:</u>	C-2447-33	C-2447-34	C-2447-35	C-2447-36	C-2447-37	<u>Practical Quantitation</u>	<u>Units</u>
<u>Analytes:</u>						<u>Limit</u>	
Benzene	ND	124	15.2	ND	ND	8.0	µg/m ³
Bromobenzene	ND	ND	ND	ND	ND	8.0	µg/m ³
Bromodichloromethane	ND	ND	ND	ND	ND	8.0	µg/m ³
Bromoform	ND	ND	ND	ND	ND	8.0	µg/m ³
n-Butylbenzene	ND	ND	ND	ND	ND	8.0	µg/m ³
sec-Butylbenzene	ND	ND	ND	ND	ND	8.0	µg/m ³
tert-Butylbenzene	ND	ND	ND	ND	ND	8.0	µg/m ³
Carbon tetrachloride	ND	ND	ND	ND	ND	8.0	µg/m ³
Chlorobenzene	ND	ND	ND	ND	ND	8.0	µg/m ³
Chloroform	ND	ND	ND	ND	ND	8.0	µg/m ³
2-Chlorotoluene	ND	ND	ND	ND	ND	8.0	µg/m ³
4-Chlorotoluene	ND	ND	ND	ND	ND	8.0	µg/m ³
Dibromochloromethane	ND	ND	ND	ND	ND	8.0	µg/m ³
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	8.0	µg/m ³
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	ND	8.0	µg/m ³
Dibromomethane	ND	ND	ND	ND	ND	8.0	µg/m ³
1,2- Dichlorobenzene	ND	ND	ND	ND	ND	8.0	µg/m ³
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	8.0	µg/m ³
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	8.0	µg/m ³
Dichlorodifluoromethane	33.0	32.8	99.2	ND	11.6	8.0	µg/m ³
1,1-Dichloroethane	ND	ND	ND	ND	ND	8.0	µg/m ³
1,2-Dichloroethane	ND	ND	ND	ND	ND	8.0	µg/m ³
1,1-Dichloroethene	ND	ND	ND	67.6	ND	8.0	µg/m ³
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	8.0	µg/m ³
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	8.0	µg/m ³
1,2-Dichloropropane	ND	ND	ND	ND	ND	8.0	µg/m ³
1,3-Dichloropropane	ND	ND	ND	ND	ND	8.0	µg/m ³
2,2-Dichloropropane	ND	ND	ND	ND	ND	8.0	µg/m ³
1,1-Dichloropropene	ND	ND	ND	ND	ND	8.0	µg/m ³

JONES ENVIRONMENTAL LABORATORY RESULTS

EPA 8260B – Volatile Organics by GC/MS + Oxygenates

<u>Sample ID:</u>	LB1-20.5'	B3-17'	LB2-19.5'	LB6-17'	B13-17'		
<u>JEL ID:</u>	C-2447-33	C-2447-34	C-2447-35	C-2447-36	C-2447-37	<u>Practical Quantitation</u>	<u>Units</u>
Analytes:						<u>Limit</u>	
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	8.0	µg/m³
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	8.0	µg/m³
Ethylbenzene	ND	335	ND	ND	ND	8.0	µg/m³
Freon 113	ND	ND	ND	ND	ND	40.0	µg/m³
Hexachlorobutadiene	ND	ND	ND	ND	ND	8.0	µg/m³
Isopropylbenzene	ND	ND	ND	ND	ND	8.0	µg/m³
4-Isopropyltoluene	ND	4050	ND	ND	ND	8.0	µg/m³
Methylene chloride	ND	ND	ND	ND	ND	8.0	µg/m³
Naphthalene	ND	ND	ND	ND	ND	8.0	µg/m³
n-Propylbenzene	ND	67.6	ND	ND	ND	8.0	µg/m³
Styrene	ND	ND	ND	ND	ND	8.0	µg/m³
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	8.0	µg/m³
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	8.0	µg/m³
Tetrachloroethylene	11000	11300	63200*	1590	323	8.0	µg/m³
Toluene	45.4	1290	68.2	ND	10.0	8.0	µg/m³
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	8.0	µg/m³
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	8.0	µg/m³
1,1,1-Trichloroethane	167	28.2	ND	17.4	107	8.0	µg/m³
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	8.0	µg/m³
Trichloroethylene	332	69.6	110	115	17.0	8.0	µg/m³
Trichlorofluoromethane	ND	ND	ND	ND	ND	8.0	µg/m³
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	8.0	µg/m³
1,2,4-Trimethylbenzene	ND	619	ND	ND	ND	8.0	µg/m³
1,3,5-Trimethylbenzene	ND	177	ND	ND	ND	8.0	µg/m³
Vinyl chloride	ND	ND	ND	ND	ND	8.0	µg/m³
Xylenes	ND	1850	ND	ND	ND	8.0	µg/m³
MTBE	ND	ND	ND	ND	ND	40.0	µg/m³
Ethyl-tert-butylether	ND	ND	ND	ND	ND	40.0	µg/m³
Di-isopropylether	ND	ND	ND	ND	ND	40.0	µg/m³
tert-amylmethylether	ND	ND	ND	ND	ND	40.0	µg/m³
tert-Butylalcohol	ND	ND	ND	ND	ND	400	µg/m³
TIC:							
n-pentane	ND	ND	ND	ND	ND	8.0	µg/m³
Dilution Factor	1	1	1/10*	1	1		
Surrogate Recoveries:						QC Limits	
Dibromofluoromethane	115%	99%	114%	105%	118%	60 - 140	
Toluene-d ₈	92%	98%	92%	100%	94%	60 - 140	
4-Bromofluorobenzene	86%	93%	90%	93%	85%	60 - 140	
	E2-050616- CHECKS	E1-050616- CHECKS	E2-050616- CHECKS	E1-050616- CHECKS	E2-050616- CHECKS		

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/6/2016
JEL Ref. No.: C-2447
Client Ref. No.: 11235.002

Attn: Robin Ferber

Date Sampled: 5/6/2016

Date Received: 5/6/2016

Project: SJ4 Burbank LLC
Project Address: 777 North Front Street
Burbank, CA

Date Analyzed: 5/6/2016

Physical State: Soil Gas

EPA 8260B – Volatile Organics by GC/MS + Oxygenates

Sample ID: B14-17' B15-4'

JEL ID: C-2447-38 C-2447-39

			Practical Quantitation	Units
			Limit	
Analytes:				
Benzene	ND	ND	8.0	µg/m ³
Bromobenzene	ND	ND	8.0	µg/m ³
Bromodichloromethane	ND	ND	8.0	µg/m ³
Bromoform	ND	ND	8.0	µg/m ³
n-Butylbenzene	ND	ND	8.0	µg/m ³
sec-Butylbenzene	ND	ND	8.0	µg/m ³
tert-Butylbenzene	ND	ND	8.0	µg/m ³
Carbon tetrachloride	ND	ND	8.0	µg/m ³
Chlorobenzene	ND	ND	8.0	µg/m ³
Chloroform	ND	ND	8.0	µg/m ³
2-Chlorotoluene	ND	ND	8.0	µg/m ³
4-Chlorotoluene	ND	ND	8.0	µg/m ³
Dibromochloromethane	ND	ND	8.0	µg/m ³
1,2-Dibromo-3-chloropropane	ND	ND	8.0	µg/m ³
1,2-Dibromoethane (EDB)	ND	ND	8.0	µg/m ³
Dibromomethane	ND	ND	8.0	µg/m ³
1,2-Dichlorobenzene	ND	ND	8.0	µg/m ³
1,3-Dichlorobenzene	ND	ND	8.0	µg/m ³
1,4-Dichlorobenzene	ND	ND	8.0	µg/m ³
Dichlorodifluoromethane	8.2	16.6	8.0	µg/m ³
1,1-Dichloroethane	ND	ND	8.0	µg/m ³
1,2-Dichloroethane	ND	ND	8.0	µg/m ³
1,1-Dichloroethene	ND	ND	8.0	µg/m ³
cis-1,2-Dichloroethene	ND	ND	8.0	µg/m ³
trans-1,2-Dichloroethene	ND	ND	8.0	µg/m ³
1,2-Dichloropropane	ND	ND	8.0	µg/m ³
1,3-Dichloropropane	ND	ND	8.0	µg/m ³
2,2-Dichloropropane	ND	ND	8.0	µg/m ³
1,1-Dichloropropene	ND	ND	8.0	µg/m ³

JONES ENVIRONMENTAL LABORATORY RESULTS

EPA 8260B – Volatile Organics by GC/MS + Oxygenates

<u>Sample ID:</u>	B14-17'	B15-4'		
<u>JEL ID:</u>	C-2447-38	C-2447-39	<u>Practical</u> <u>Quantitation</u> <u>Limit</u>	<u>Units</u>
Analytes:				
cis-1,3-Dichloropropene	ND	ND	8.0	µg/m³
trans-1,3-Dichloropropene	ND	ND	8.0	µg/m³
Ethylbenzene	ND	ND	8.0	µg/m³
Freon 113	ND	ND	40.0	µg/m³
Hexachlorobutadiene	ND	ND	8.0	µg/m³
Isopropylbenzene	ND	ND	8.0	µg/m³
4-Isopropyltoluene	ND	ND	8.0	µg/m³
Methylene chloride	ND	ND	8.0	µg/m³
Naphthalene	ND	ND	8.0	µg/m³
n-Propylbenzene	ND	ND	8.0	µg/m³
Styrene	ND	ND	8.0	µg/m³
1,1,1,2-Tetrachloroethane	ND	ND	8.0	µg/m³
1,1,2,2-Tetrachloroethane	ND	ND	8.0	µg/m³
Tetrachloroethylene	143	222	8.0	µg/m³
Toluene	80.6	18.4	8.0	µg/m³
1,2,3-Trichlorobenzene	ND	ND	8.0	µg/m³
1,2,4-Trichlorobenzene	ND	ND	8.0	µg/m³
1,1,1-Trichloroethane	14.4	ND	8.0	µg/m³
1,1,2-Trichloroethane	ND	ND	8.0	µg/m³
Trichloroethylene	41.4	31.8	8.0	µg/m³
Trichlorofluoromethane	ND	ND	8.0	µg/m³
1,2,3-Trichloropropane	ND	ND	8.0	µg/m³
1,2,4-Trimethylbenzene	ND	ND	8.0	µg/m³
1,3,5-Trimethylbenzene	ND	ND	8.0	µg/m³
Vinyl chloride	ND	ND	8.0	µg/m³
Xylenes	27.0	ND	8.0	µg/m³
MTBE	ND	ND	40.0	µg/m³
Ethyl-tert-butylether	ND	ND	40.0	µg/m³
Di-isopropylether	ND	ND	40.0	µg/m³
tert-amylmethylether	ND	ND	40.0	µg/m³
tert-Butylalcohol	ND	ND	400	µg/m³
TIC:				
n-pentane	ND	ND	8.0	µg/m³
<u>Dilution Factor</u>	1	1		
<u>Surrogate Recoveries:</u>			<u>QC Limits</u>	
Dibromofluoromethane	102%	102%	60 - 140	
Toluene-d ₈	100%	100%	60 - 140	
4-Bromofluorobenzene	93%	94%	60 - 140	
	E1-050616- CHECKS	E1-050616- CHECKS		

ND= Not Detected



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JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

Client:	Leighton & Associates, Inc.	Report date:	5/6/2016
Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	C-2447
		Client Ref. No.:	11235.002
Attn:	Robin Ferber	Date Sampled:	5/6/2016
		Date Received:	5/6/2016
Project:	SJ4 Burbank LLC	Date Analyzed:	5/6/2016
Project Address:	777 North Front Street Burbank, CA	Physical State:	Soil Gas

EPA 8260B – Volatile Organics by GC/MS + Oxygenates

<u>Sample ID:</u>	METHOD BLANK	SAMPLING BLANK	METHOD BLANK	SAMPLING BLANK	METHOD BLANK	<u>Practical Quantitation</u>	<u>Units</u>
<u>JEL ID:</u>	C-2447-44	C-2447-45	C-2447-49	C-2447-50	C-2447-54	<u>Limit</u>	
Analytes:							
Benzene	ND	ND	ND	ND	ND	8.0	µg/m ³
Bromobenzene	ND	ND	ND	ND	ND	8.0	µg/m ³
Bromodichloromethane	ND	ND	ND	ND	ND	8.0	µg/m ³
Bromoform	ND	ND	ND	ND	ND	8.0	µg/m ³
n-Butylbenzene	ND	ND	ND	ND	ND	8.0	µg/m ³
sec-Butylbenzene	ND	ND	ND	ND	ND	8.0	µg/m ³
tert-Butylbenzene	ND	ND	ND	ND	ND	8.0	µg/m ³
Carbon tetrachloride	ND	ND	ND	ND	ND	8.0	µg/m ³
Chlorobenzene	ND	ND	ND	ND	ND	8.0	µg/m ³
Chloroform	ND	ND	ND	ND	ND	8.0	µg/m ³
2-Chlorotoluene	ND	ND	ND	ND	ND	8.0	µg/m ³
4-Chlorotoluene	ND	ND	ND	ND	ND	8.0	µg/m ³
Dibromochloromethane	ND	ND	ND	ND	ND	8.0	µg/m ³
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	8.0	µg/m ³
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	ND	8.0	µg/m ³
Dibromomethane	ND	ND	ND	ND	ND	8.0	µg/m ³
1,2- Dichlorobenzene	ND	ND	ND	ND	ND	8.0	µg/m ³
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	8.0	µg/m ³
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	8.0	µg/m ³
Dichlorodifluoromethane	ND	ND	ND	ND	ND	8.0	µg/m ³
1,1-Dichloroethane	ND	ND	ND	ND	ND	8.0	µg/m ³
1,2-Dichloroethane	ND	ND	ND	ND	ND	8.0	µg/m ³
1,1-Dichloroethene	ND	ND	ND	ND	ND	8.0	µg/m ³
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	8.0	µg/m ³
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	8.0	µg/m ³
1,2-Dichloropropane	ND	ND	ND	ND	ND	8.0	µg/m ³
1,3-Dichloropropane	ND	ND	ND	ND	ND	8.0	µg/m ³
2,2-Dichloropropane	ND	ND	ND	ND	ND	8.0	µg/m ³
1,1-Dichloropropene	ND	ND	ND	ND	ND	8.0	µg/m ³

JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

EPA 8260B – Volatile Organics by GC/MS + Oxygenates

<u>Sample ID:</u>	METHOD BLANK	SAMPLING BLANK	METHOD BLANK	SAMPLING BLANK	METHOD BLANK		
<u>JEL ID:</u>	C-2447-44	C-2447-45	C-2447-49	C-2447-50	C-2447-54	<u>Practical Quantitation</u>	<u>Units</u>
Analytes:						<u>Limit</u>	
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	8.0	µg/m³
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	8.0	µg/m³
Ethylbenzene	ND	ND	ND	ND	ND	8.0	µg/m³
Freon 113	ND	ND	ND	ND	ND	40.0	µg/m³
Hexachlorobutadiene	ND	ND	ND	ND	ND	8.0	µg/m³
Isopropylbenzene	ND	ND	ND	ND	ND	8.0	µg/m³
4-Isopropyltoluene	ND	ND	ND	ND	ND	8.0	µg/m³
Methylene chloride	ND	ND	ND	ND	ND	8.0	µg/m³
Naphthalene	ND	ND	ND	ND	ND	8.0	µg/m³
n-Propylbenzene	ND	ND	ND	ND	ND	8.0	µg/m³
Styrene	ND	ND	ND	ND	ND	8.0	µg/m³
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	8.0	µg/m³
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	8.0	µg/m³
Tetrachloroethylene	ND	ND	ND	ND	ND	8.0	µg/m³
Toluene	ND	ND	ND	ND	ND	8.0	µg/m³
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	8.0	µg/m³
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	8.0	µg/m³
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	8.0	µg/m³
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	8.0	µg/m³
Trichloroethylene	ND	ND	ND	ND	ND	8.0	µg/m³
Trichlorofluoromethane	ND	ND	ND	ND	ND	8.0	µg/m³
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	8.0	µg/m³
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	8.0	µg/m³
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	8.0	µg/m³
Vinyl chloride	ND	ND	ND	ND	ND	8.0	µg/m³
Xylenes	ND	ND	ND	ND	ND	8.0	µg/m³
MTBE	ND	ND	ND	ND	ND	40.0	µg/m³
Ethyl-tert-butylether	ND	ND	ND	ND	ND	40.0	µg/m³
Di-isopropylether	ND	ND	ND	ND	ND	40.0	µg/m³
tert-amylmethylether	ND	ND	ND	ND	ND	40.0	µg/m³
tert-Butylalcohol	ND	ND	ND	ND	ND	400	µg/m³
TIC:							
n-pentane	ND	ND	ND	ND	ND	8.0	µg/m³
Dilution Factor	1	1	1	1	1		
Surrogate Recoveries:						QC Limits	
Dibromofluoromethane	101%	103%	105%	106%	119%	60 - 140	
Toluene-d ₈	94%	94%	99%	101%	95%	60 - 140	
4-Bromofluorobenzene	89%	92%	95%	95%	86%	60 - 140	
	C2-050616- CHECKS	C2-050616- CHECKS	E1-050616- CHECKS	E1-050616- CHECKS	E2-050616- CHECKS		

ND= Not Detected



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JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

Client:	Leighton & Associates, Inc.	Report date:	5/6/2016
Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	C-2447
		Client Ref. No.:	11235.002
Attn:	Robin Ferber	Date Sampled:	5/6/2016
		Date Received:	5/6/2016
Project:	SJ4 Burbank LLC	Date Analyzed:	5/6/2016
Project Address:	777 North Front Street Burbank, CA	Physical State:	Soil Gas

EPA 8260B – Volatile Organics by GC/MS + Oxygenates

Sample ID:

**SAMPLING
BLANK**

JEL ID:

C-2447-55

Analytes:

		<u>Practical Quantitation</u>	<u>Units</u>
		<u>Limit</u>	
Benzene	ND	8.0	µg/m ³
Bromobenzene	ND	8.0	µg/m ³
Bromodichloromethane	ND	8.0	µg/m ³
Bromoform	ND	8.0	µg/m ³
n-Butylbenzene	ND	8.0	µg/m ³
sec-Butylbenzene	ND	8.0	µg/m ³
tert-Butylbenzene	ND	8.0	µg/m ³
Carbon tetrachloride	ND	8.0	µg/m ³
Chlorobenzene	ND	8.0	µg/m ³
Chloroform	ND	8.0	µg/m ³
2-Chlorotoluene	ND	8.0	µg/m ³
4-Chlorotoluene	ND	8.0	µg/m ³
Dibromochloromethane	ND	8.0	µg/m ³
1,2-Dibromo-3-chloropropane	ND	8.0	µg/m ³
1,2-Dibromoethane (EDB)	ND	8.0	µg/m ³
Dibromomethane	ND	8.0	µg/m ³
1,2- Dichlorobenzene	ND	8.0	µg/m ³
1,3-Dichlorobenzene	ND	8.0	µg/m ³
1,4-Dichlorobenzene	ND	8.0	µg/m ³
Dichlorodifluoromethane	ND	8.0	µg/m ³
1,1-Dichloroethane	ND	8.0	µg/m ³
1,2-Dichloroethane	ND	8.0	µg/m ³
1,1-Dichloroethene	ND	8.0	µg/m ³
cis-1,2-Dichloroethene	ND	8.0	µg/m ³
trans-1,2-Dichloroethene	ND	8.0	µg/m ³
1,2-Dichloropropane	ND	8.0	µg/m ³
1,3-Dichloropropane	ND	8.0	µg/m ³
2,2-Dichloropropane	ND	8.0	µg/m ³
1,1-Dichloropropene	ND	8.0	µg/m ³

JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

EPA 8260B – Volatile Organics by GC/MS + Oxygenates

<u>Sample ID:</u>	SAMPLING BLANK		
<u>JEL ID:</u>	C-2447-55	<u>Practical Quantitation</u>	<u>Units</u>
Analytes:		<u>Limit</u>	
cis-1,3-Dichloropropene	ND	8.0	µg/m ³
trans-1,3-Dichloropropene	ND	8.0	µg/m ³
Ethylbenzene	ND	8.0	µg/m ³
Freon 113	ND	40.0	µg/m ³
Hexachlorobutadiene	ND	8.0	µg/m ³
Isopropylbenzene	ND	8.0	µg/m ³
4-Isopropyltoluene	ND	8.0	µg/m ³
Methylene chloride	ND	8.0	µg/m ³
Naphthalene	ND	8.0	µg/m ³
n-Propylbenzene	ND	8.0	µg/m ³
Styrene	ND	8.0	µg/m ³
1,1,1,2-Tetrachloroethane	ND	8.0	µg/m ³
1,1,2,2-Tetrachloroethane	ND	8.0	µg/m ³
Tetrachloroethylene	ND	8.0	µg/m ³
Toluene	ND	8.0	µg/m ³
1,2,3-Trichlorobenzene	ND	8.0	µg/m ³
1,2,4-Trichlorobenzene	ND	8.0	µg/m ³
1,1,1-Trichloroethane	ND	8.0	µg/m ³
1,1,2-Trichloroethane	ND	8.0	µg/m ³
Trichloroethylene	ND	8.0	µg/m ³
Trichlorofluoromethane	ND	8.0	µg/m ³
1,2,3-Trichloropropane	ND	8.0	µg/m ³
1,2,4-Trimethylbenzene	ND	8.0	µg/m ³
1,3,5-Trimethylbenzene	ND	8.0	µg/m ³
Vinyl chloride	ND	8.0	µg/m ³
Xylenes	ND	8.0	µg/m ³
MTBE	ND	40.0	µg/m ³
Ethyl-tert-butylether	ND	40.0	µg/m ³
Di-isopropylether	ND	40.0	µg/m ³
tert-amylmethylether	ND	40.0	µg/m ³
tert-Butylalcohol	ND	400	µg/m ³
TIC:			
n-pentane	ND	8.0	µg/m ³
<u>Dilution Factor</u>	1		
<u>Surrogate Recoveries:</u>		<u>QC Limits</u>	
Dibromofluoromethane	118%	60 - 140	
Toluene-d ₈	93%	60 - 140	
4-Bromofluorobenzene	87%	60 - 140	
	E2-050616- CHECKS		

ND= Not Detected



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JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

Client:	Leighton & Associates, Inc.	Report date:	5/6/2016
Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	C-2447
		Client Ref. No.:	11235.002
Attn:	Robin Ferber	Date Sampled:	5/6/2016
		Date Received:	5/6/2016
Project:	SJ4 Burbank LLC	Date Analyzed:	5/6/2016
Project Address:	777 North Front Street Burbank, CA	Physical State:	Soil Gas

EPA 8260B – Volatile Organics by GC/MS + Oxygenates

Batch ID:	C2-050616-CHECKS					
JEL ID:	C-2447-42	C-2447-43			C-2447-41	
Parameter	LCS Recovery (%)	LCSD Recovery (%)	RPD	Acceptability Range (%)	CCV	Acceptability Range (%)
Vinyl Chloride	106%	105%	0.9%	70 - 130	94%	80 - 120
1,1-Dichloroethylene	117%	116%	0.6%	70 - 130	125%	80 - 120
Cis-1,2-Dichloroethene	104%	109%	4.6%	70 - 130	105%	80 - 120
1,1,1-Trichloroethane	98%	103%	5.0%	70 - 130	80%	80 - 120
Benzene	99%	104%	5.0%	70 - 130	95%	80 - 120
Trichloroethylene	105%	109%	3.9%	70 - 130	97%	80 - 120
Toluene	107%	111%	3.4%	70 - 130	100%	80 - 120
Tetrachloroethene	102%	109%	6.2%	70 - 130	94%	80 - 120
Chlorobenzene	109%	115%	5.3%	70 - 130	100%	80 - 120
Ethylbenzene	105%	109%	3.9%	70 - 130	94%	80 - 120
1,2,4 Trimethylbenzene	111%	111%	0.6%	70 - 130	95%	80 - 120
<u>Surrogate Recovery:</u>						
Dibromofluoromethane	98%	98%		60 - 140	99%	60 - 140
Toluene-d ₈	98%	98%		60 - 140	99%	60 - 140
4-Bromofluorobenzene	97%	96%		60 - 140	102%	60 - 140

LCS = Laboratory Control Sample

LCSD = Laboratory Control Sample Duplicate

CCV = Continuing Calibration Verification

RPD = Relative Percent Difference; Acceptability range for RPD is ≤ 15%



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JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

Client:	Leighton & Associates, Inc.	Report date:	5/6/2016
Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	C-2447
		Client Ref. No.:	11235.002
Attn:	Robin Ferber	Date Sampled:	5/6/2016
		Date Received:	5/6/2016
Project:	SJ4 Burbank LLC	Date Analyzed:	5/6/2016
Project Address:	777 North Front Street Burbank, CA	Physical State:	Soil Gas

EPA 8260B – Volatile Organics by GC/MS + Oxygenates

Batch ID:	E1-050616-CHECKS					
JEL ID:	C-2447-47	C-2447-48			C-2447-46	
Parameter	LCS Recovery (%)	LCSD Recovery (%)	RPD	Acceptability Range (%)	CCV	Acceptability Range (%)
Vinyl Chloride	104%	110%	5.7%	70 - 130	116%	80 - 120
1,1-Dichloroethylene	108%	104%	3.9%	70 - 130	90%	80 - 120
Cis-1,2-Dichloroethene	108%	110%	1.3%	70 - 130	100%	80 - 120
1,1,1-Trichloroethane	108%	108%	0.0%	70 - 130	100%	80 - 120
Benzene	119%	117%	2.1%	70 - 130	108%	80 - 120
Trichloroethylene	113%	109%	3.4%	70 - 130	103%	80 - 120
Toluene	116%	112%	3.5%	70 - 130	107%	80 - 120
Tetrachloroethene	111%	107%	3.5%	70 - 130	100%	80 - 120
Chlorobenzene	108%	108%	0.4%	70 - 130	101%	80 - 120
Ethylbenzene	123%	117%	4.7%	70 - 130	108%	80 - 120
1,2,4 Trimethylbenzene	124%	120%	3.7%	70 - 130	111%	80 - 120
<u>Surrogate Recovery:</u>						
Dibromofluoromethane	99%	101%		60 - 140	95%	60 - 140
Toluene-d ₈	103%	98%		60 - 140	103%	60 - 140
4-Bromofluorobenzene	98%	96%		60 - 140	94%	60 - 140

LCS = Laboratory Control Sample

LCSD = Laboratory Control Sample Duplicate

CCV = Continuing Calibration Verification

RPD = Relative Percent Difference; Acceptability range for RPD is ≤ 15%



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JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

Client:	Leighton & Associates, Inc.	Report date:	5/6/2016
Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	C-2447
		Client Ref. No.:	11235.002
Attn:	Robin Ferber	Date Sampled:	5/6/2016
		Date Received:	5/6/2016
Project:	SJ4 Burbank LLC	Date Analyzed:	5/6/2016
Project Address:	777 North Front Street Burbank, CA	Physical State:	Soil Gas

EPA 8260B – Volatile Organics by GC/MS + Oxygenates

Batch ID:	E2-050616-CHECKS					
JEL ID:	C-2447-52	C-2447-53			C-2447-51	
Parameter	LCS Recovery (%)	LCSD Recovery (%)	RPD	Acceptability Range (%)	CCV	Acceptability Range (%)
Vinyl Chloride	61%	62%	2.8%	70 - 130	52%	80 - 120
1,1-Dichloroethylene	110%	104%	5.8%	70 - 130	105%	80 - 120
Cis-1,2-Dichloroethene	92%	99%	6.4%	70 - 130	101%	80 - 120
1,1,1-Trichloroethane	114%	111%	2.7%	70 - 130	92%	80 - 120
Benzene	91%	90%	1.4%	70 - 130	90%	80 - 120
Trichloroethylene	109%	106%	2.5%	70 - 130	109%	80 - 120
Toluene	99%	97%	1.3%	70 - 130	98%	80 - 120
Tetrachloroethene	98%	99%	1.6%	70 - 130	100%	80 - 120
Chlorobenzene	98%	102%	3.4%	70 - 130	99%	80 - 120
Ethylbenzene	97%	101%	4.5%	70 - 130	101%	80 - 120
1,2,4 Trimethylbenzene	109%	113%	3.9%	70 - 130	117%	80 - 120
<u>Surrogate Recovery:</u>						
Dibromofluoromethane	111%	107%		60 - 140	98%	60 - 140
Toluene-d ₈	93%	95%		60 - 140	93%	60 - 140
4-Bromofluorobenzene	89%	93%		60 - 140	91%	60 - 140

LCS = Laboratory Control Sample

LCSD = Laboratory Control Sample Duplicate

CCV = Continuing Calibration Verification

RPD = Relative Percent Difference; Acceptability range for RPD is ≤ 15%



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Chain-of-Custody Record

Date

05/06/2016

SOIL GAS

Analysis Requested

Purge Number: ☐ 1P ☐ 3P ☐ 7P ☐ 10P
Purge Rate: ~205 cc/min
Shut in Test ☒ N

Tracer:

☐ n-propanol
☒ n-pentane
☐ 1,1-DFA
☐ Helium

JEL Project #

C-2447

Page 1 of 5

Lab Use Only

Sample Condition as Received:
Chilled ☐ yes ☒ no
Sealed ☒ yes ☐ no

Client: Leighton & Associates, Inc.
Project Name: 514 Burbank LLC
Project Address: 777 North Front Street
Burbank, CA
Project Contact: Robin Felber

Turn Around Requested:
☐ Immediate Attention
☐ Rush 24-48 Hours
☐ Rush 72-96 Hours
☒ Normal
☒ Mobile Lab

Sample Matrix:
Soil (S), Sludge (SL), Aqueous (A), Soil Gas (SG)

EPA 8260B (VOCs)

Magnehelic Vacuum (in/H₂O)
Number of Containers

Remarks/Special Instructions

glass gassy at syringe

Sample ID	Purge Number	Purge Volume	Date	Sample Collection Time	Sample Analysis Time	Laboratory Sample Number	Analysis Requested	Magnehelic Vacuum (in/H ₂ O)	Number of Containers	Remarks/Special Instructions
LB8-17'	3	1830	5/6	0711	0712	C-2447-0156X				
LB12-17'	3	1830	5/6	0724	0727	C-2447-0256X				
LB7-17'	3	1830	5/6	0739	0747	C-2447-0356X				
LB11-20.5'	3	1880	5/6	0751	0806	C-2447-0456X				
LB10-30.5'	3	2050	5/6	0812	0825	C-2447-0556X				
LB10-30.5' REP	3	2050	5/6	0828	0844	C-2447-0656X				
LB9-30.5'	3	2050	5/6	0848	0903	C-2447-0756X				
LB8-20.5'	3	1880	5/6	0908	0922	C-2447-0856X				
LB5-14.5'	3	1780	5/6	0940	0947	C-2447-0956X				
LB5-20.5'	3	1880	5/6	0952	0959	C-2447-1056X				

1 Relinquished by (signature)

5-6-16

2 Received by (signature)

5/6/16

Total Number of Containers

Company

Leighton & Associates

Time

1400

Company

Jones Inc

Time

1400

The delivery of samples and the signature on this Chain of Custody form constitutes authorization to perform the analyses specified above under the Terms and Conditions set forth on the back hereof.

3 Relinquished by (signature)

Date

4 Received by Laboratory (signature)

Date

Company

Time

Company

Time



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Chain-of-Custody Record

Client Leighton & Associates, Inc.		Date 5/6/16											
Project Name STY Burbank LLC		Client Project # 11235002											
Project Address 777 N. Front St.		Turn Around Requested: ☐ Immediate Attention ☐ Rush: ☐ 24 ☐ 48 ☐ 72 ☒ Normal ☐ Mobile Lab											
Project Contact Burbank, CA		Tracer: ☒ n-propanol ☐ i-pentane ☐ 1,1-DFA ☐ Helium											
Sample ID		Purge Number	Purge Volume	Date	Sample Collection Time	Sample Analysis Time	Laboratory Sample Number	Sample Matrix: Soil (S), Sludge (SL), Aqueous (A), Soil Gas (SG)	Analysis Requested	Magnehelic Vacuum (In/H ₂ O)	Number of Containers	Remarks/Special Instructions	
A13-17'	3	1830	5/6/16	0710	0711	C-2447-11	SGX				4	2	glass gas tight syringe
A12-17'	3	1830		0715	0716	C-2447-12	SGX				4	2	
A11-26.5'	3	1880		0731	0732	C-2447-13	SGX				4	2	
A10-30.5'	3	2050		0734	0735	C-2447-14	SGX				2	2	
A9-36.5'	3	2050		0745	0747	C-2447-15	SGX				2	2	
A8-20.5'	3	1880		0750	0751	C-2447-16	SGX				10	2	
A7-20.5'	3	1880		0812	0813	C-2447-17	SGX				4	2	
A6-20.5'	3	1880		0822	0828	C-2447-18	SGX				14	2	
A13-17' REP	3	1830		0806	0810	C-2447-19	SGX				4	2	
A5-20.5'	3	1830		0827	0829	C-2447-20	SGX				2	2	
1. Relinquished by (signature) <i>[Signature]</i>		Date 5-6-16		2. Received by (signature) <i>[Signature]</i>		Date 5/6/16		Total Number of Containers 20					
Company Leighton & Associates		Time 1400		Company Jones		Time 1400							
3. Relinquished by (signature)		Date		4. Received by Laboratory (signature)		Date							
Company		Time		Company		Time							

JEL Project #
C-2447
Page **2** of **5**
Lab Use Only
Sample Condition as Received:
Chilled ☐ yes ☒ no
Sealed ☒ yes ☐ no

The delivery of samples and the signature on this Chain of Custody form constitutes authorization to perform the analyses specified above under the Terms and Conditions set forth on the back hereof.

☐ EDD ☐ EDF



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Chain-of-Custody Record

Client		Date		SOIL GAS		Analysis Requested		JEL Project #	
Leighton Associates, Inc.		5/6/16		Purge Number: ☐ 1P ☒ 3P ☐ 7P ☐ 10P		Purge Rate: ~200 cc/min		C2447	
Project Name: RSTY Burbank LLC		Client Project # 11235.002		Shut in Test: ☒ Y ☐ N		Sample Matrix: Soil (S), Sludge (SL), Aqueous (A), Soil Gas (SG)		Page 3 of 5	
Project Address: 777 Front St.		Turn Around Requested: ☐ Immediate Attention		Tracer: ☐ n-propanol ☒ n-pentane ☐ 1,1-DFA ☐ Helium		Magnehelic Vacuum (In/H ₂ O)		Lab Use Only	
Project Contact: Robin Ferber		Rush: ☐ 24 ☐ 48 ☐ 72 ☐ Normal		☒ Mobile Lab		Number of Containers		Sample Condition as Received: ☐ yes ☒ no ☐ Sealed ☒ yes ☐ no	
Burbank, CA									
Sample ID	Purge Number	Purge Volume	Date	Sample Collection Time	Sample Analysis Time	Laboratory Sample Number	Remarks/Special Instructions		
A4-20.5'	3	1880	5/6/16	0842	0847	C2447-21	glass gashgt + syringe		
A3-20.5'	3	1880		0846	0849	C2447-22			
A7-20.5' DIL				0857	0904				
A6-20.5' DIL				0900	0903				
A4-20.5' DIL				0914	0920				
A3-20.5' DIL				0917	0922				
A2-16'	3	1810		0927	0937	C2447-23			
A1-16'	3	1810		0930	0940	C2447-24			
B2-16.5'	3	1820		0946	0955	C2447-25			
A5-20.5' DIL				0950	0959				
1 Relinquished by (signature)		Date 5-6-16		2 Received by (signature)		Date 5/6/16		15 Total Number of Containers	
Company Leighton + Associates		Time 1406		Company Jones Env		Time 1406			
3 Relinquished by (signature)		Date		4 Received by Laboratory (signature)		Date			
Company		Time		Company		Time			

The delivery of samples and the signature on this Chain of Custody form constitutes authorization to perform the analyses specified above under the Terms and Conditions set forth on the back hereof.

☐ EDD ☐ EDF

Chain-of-Custody Record

Client Leighton + Associates, Inc.	Date 05/06/2016	SOIL GAS Purge Number: ☐ 1P ☒ 3P ☐ 7P ☐ 10P Purge Rate: 2205 cc/min Shut in Test ☒ Y ☐ N	JEL Project # C-2447
Project Name S14 Burbank-LLC	Client Project # 11235.002	Tracer: ☐ n-propanol ☒ n-pentane ☐ 1,1-DFA ☐ Helium	Page 4 of 45
Project Address 777 North Front Street Burbank, CA	Turn Around Requested: ☐ Immediate Attention ☐ Rush 24-48 Hours ☐ Rush 72-96 Hours ☐ Normal ☒ Mobile Lab	Sample Matrix: Soil (S), Sludge (SL), Aqueous (A), Soil Gas (SG) EPA 8260B (VOCs)	Lab Use Only Sample Condition as Received: Chilled ☐ yes ☒ no Sealed ☒ yes ☐ no
Project Contact Robin Forster		Analysis Requested Magnehelic Vacuum (In/H ₂ O) Number of Containers	Remarks/Special Instructions

Sample ID	Purge Number	Purge Volume	Date	Sample Collection Time	Sample Analysis Time	Laboratory Sample Number	Sample Matrix	Analysis Requested	Number of Containers	Remarks/Special Instructions
B7-20'	—	—	5/6	0925	—	C-2447-26	—	700	0	NO FLOW
B6-20.5'	—	—	5/6	1005	—	C-2447-27	—	700	0	NO FLOW
B5-20'	3	1880	5/6	1018	1019	C-2447-28	56x	8	2	glass gas tight syringe
B4-19'	3	1880	5/6	1036	1037	C-2447-29	56x	44	2	LOW FLOW
LB34-20.5'	3	1880	5/6	1102	1103	C-2447-30	56x	2	2	
B5-20' OIL	—	—	5/6	1114	1119	—	56x	8	1	DILUTION
B4-19' OIL	—	—	5/6	1124	1140	—	56x	44	1	DILUTION
LB33-20'	3	1880	5/6	1149	1159	C-2447-31	56x	4	2	
LB34-20.5' OIL	—	—	5/6	1245	1219	—	56x	2	1	DILUTION
LB3-20' OIL	—	—	5/6	1236	1237	—	56x	4	1	DILUTION
1 Relinquished by (signature)				Date 5/6/16	2 Received by (signature)		Date 5/6/16	Total Number of Containers 12		
Company Leighton + Associates				Time 1400	Company Jones Inc					
3 Relinquished by (signature)				Date	4 Received by Laboratory (signature)					
Company				Time	Company					

The delivery of samples and the signature on this Chain of Custody form constitutes authorization to perform the analyses specified above under the Terms and Conditions set forth on the back hereof.



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Chain-of-Custody Record

Client: Leighton A. Associates, Inc. Date: 5/6/16

Project Name: 574 Burbank LLC Client Project #: 11235-002

Project Address: 777 Front St.

Burbank, CA

Project Contact: Robin Farber

Turn Around Requested:
☐ Immediate Attention
Rush:
☐ 24 ☐ 48 ☐ 72
☐ Normal
☒ Mobile Lab

SOIL GAS
Purge Number: ☐ 1P ☒ 7P ☐ 10P
Purge Rate: 200 cc/min
Shut In Test: Q/N
Tracer:
☐ n-propanol
☒ n-pentane
☐ 1,1-DFA
☐ Helium

Analysis Requested
Sample Matrix:
Soil (S), Sludge (SL), Aqueous (A), Soil Gas (SG)
EPA 8260B (VOCs) & 0.45

Magnehelic Vacuum (In/H₂O)
Number of Containers

JEL Project # C2447
Page 5 of 5
Lab Use Only
Sample Condition as Received:
Chilled ☐ yes ☒ no
Sealed ☒ yes ☐ no

Sample ID	Purge Number	Purge Volume	Date	Sample Collection Time	Sample Analysis Time	Laboratory Sample Number	Sample Matrix	Magnehelic Vacuum (In/H ₂ O)	Number of Containers	Remarks/Special Instructions
LB1-15'	3	1790	5/6/16	1009	1013	C-2447-32	SG X	24	2	glass gastight syringe
LB1-20.5'	3	1880		1012	1016	C-2447-33	SG X	90	2	LOW FLOW
B3-17'	3	1830		1025	1030	C-2447-34	SG X	86	2	LOW FLOW
LB3-LB2-19.5'	3	1870		1104	1105	C-2447-35	SG X	6	2	
LB2-19.5' D14				1114	1129	—	SG X	6	1	
LB6-17'	3	1830		1131	1132	C-2447-36	SG X	20	2	
B13-17'	3	1830		1222	1223	C-2447-37	SG X	6	2	
B14-17'	3	1830		1258	1259	C-2447-38	SG X	8	2	
B15-4'	3	1610		1349	1350	C-2447-39	SG X	6	2	
B1-16'				0944	—	C-2447-40		7100	0	NO FLOW
Total Number of Containers										
1 Relinquished by (signature) <u>[Signature]</u> Date <u>5-6-16</u>										
2 Received by (signature) <u>[Signature]</u> Date <u>6/6/16</u>										
Company <u>Leighton A. Associates</u> Time <u>1416</u> Company <u>Jones Inc</u>										
3 Relinquished by (signature) Date										
4 Received by Laboratory (signature) Date										
Company Time										

The delivery of samples and the signature on this Chain of Custody form constitutes authorization to perform the analyses specified above under the Terms and Conditions set forth on the back hereof.

☐ EDO ☐ EDF

APPENDIX F

LABORATORY ANALYTICAL TEST DATA AND
CHAIN-OF-CUSTODY DOCUMENTS – SOIL



Leighton



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**JONES ENVIRONMENTAL
LABORATORY RESULTS**

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/10/2016
JEL Ref. No.: ST-9288
Client Ref. No: 11235.002

Attn: Robin Ferber

Date Sampled: 5/4/2016

Project: SJ4 Burbank
Project Address: 777 N. Front St.
Burbank, CA

Date Received: 5/4/2016

Date Analyzed: 5/5-6,9-10/2016

Physical State: Soil

ANALYSES REQUESTED

1. EPA 8015M – Semivolatile Hydrocarbons as Diesel & Oil
2. EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics
3. EPA 6010B by 3050B and EPA 7471A – CAM 17 Metals

Approval:

Steve Jones, Ph.D.
Laboratory Manager



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JONES ENVIRONMENTAL LABORATORY RESULTS

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Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	ST-9288
		Client Ref No.:	11235.002
Attn:	Robin Ferber	Date Sampled:	5/4/2016
Project:	SJ4 Burbank	Date Received:	5/4/2016
Project Address:	777 N. Front St. Burbank, CA	Date Analyzed:	5/5-6&9/2016
		Physical State:	Soil

EPA 8015M – Semivolatile Hydrocarbons as Diesel & Oil

<u>Sample ID:</u>	A1-1'	A1-4.5'	A1-8.5'	A1-14.5'	A1-20.5'		
<u>JEL ID:</u>	ST-9288-01	ST-9288-02	ST-9288-03	ST-9288-04	ST-9288-05	<u>Practical Quantitation Limit</u>	<u>Units</u>
Carbon Chain Range							
Diesel Range Organics (C10-C28)	ND	ND	ND	ND	ND	10.0	mg/kg
Oil Range Organics (C29-C32)	ND	ND	ND	ND	ND	10.0	mg/kg
 <u>Dilution Factor</u>	1	1	1	1	1		
 <u>Surrogate Recovery:</u>						<u>QC Limits</u>	
Hexacosane	74%	66%	66%	53%	39%	30 - 120	
 <u>Batch ID:</u>	8015_ 160505_02	8015_ 160505_02	8015_ 160505_02	8015_ 160505_02	8015_ 160505_02		

ND = Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Leighton & Associates, Inc.	Report date:	5/10/2016
Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	ST-9288
		Client Ref No.:	11235.002
Attn:	Robin Ferber	Date Sampled:	5/4/2016
Project:	SJ4 Burbank	Date Received:	5/4/2016
Project Address:	777 N. Front St. Burbank, CA	Date Analyzed:	5/5-6&9/2016
		Physical State:	Soil

EPA 8015M – Semivolatile Hydrocarbons as Diesel & Oil

<u>Sample ID:</u>	A2-1'	A2-4.5'	A2-8.5'	A2-14.5'	A2-20.5'		
<u>JEL ID:</u>	ST-9288-06	ST-9288-07	ST-9288-08	ST-9288-09	ST-9288-10	<u>Practical Quantitation Limit</u>	<u>Units</u>
Carbon Chain Range							
Diesel Range Organics (C10-C28)	ND	ND	ND	ND	ND	10.0	mg/kg
Oil Range Organics (C29-C32)	ND	ND	ND	ND	ND	10.0	mg/kg
 <u>Dilution Factor</u>	 1	 1	 1	 1	 1		
 <u>Surrogate Recovery:</u>						 <u>QC Limits</u>	
Hexacosane	46%	40%	57%	65%	71%	30 - 120	
 <u>Batch ID:</u>	 8015_ 160505_02	 8015_ 160505_02	 8015_ 160505_02	 8015_ 160505_02	 8015_ 160505_02		

ND = Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Leighton & Associates, Inc.	Report date:	5/10/2016
Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	ST-9288
		Client Ref No.:	11235.002
Attn:	Robin Ferber	Date Sampled:	5/4/2016
Project:	SJ4 Burbank	Date Received:	5/4/2016
Project Address:	777 N. Front St. Burbank, CA	Date Analyzed:	5/5-6&9/2016
		Physical State:	Soil

EPA 8015M – Semivolatile Hydrocarbons as Diesel & Oil

<u>Sample ID:</u>	A3-1'	A3-4.5'	A3-8.5'	A3-8.5'-D	A3-14.5'		
<u>JEL ID:</u>	ST-9288-11	ST-9288-12	ST-9288-13	ST-9288-14	ST-9288-15	<u>Practical Quantitation Limit</u>	<u>Units</u>
Carbon Chain Range							
Diesel Range Organics (C10-C28)	ND	ND	ND	ND	ND	10.0	mg/kg
Oil Range Organics (C29-C32)	ND	ND	ND	ND	ND	10.0	mg/kg
 <u>Dilution Factor</u>	 1	 1	 1	 1	 1		
 <u>Surrogate Recovery:</u>						 <u>QC Limits</u>	
Hexacosane	89%	65%	75%	70%	69%	30 - 120	
 <u>Batch ID:</u>	 8015_ 160509_01	 8015_ 160505_02	 8015_ 160509_01	 8015_ 160505_02	 8015_ 160505_02		

ND = Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

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Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	ST-9288
		Client Ref No.:	11235.002
Attn:	Robin Ferber	Date Sampled:	5/4/2016
Project:	SJ4 Burbank	Date Received:	5/4/2016
Project Address:	777 N. Front St. Burbank, CA	Date Analyzed:	5/5-6&9/2016
		Physical State:	Soil

EPA 8015M – Semivolatile Hydrocarbons as Diesel & Oil

<u>Sample ID:</u>	A3-20.5'	A4-1'	A4-4.5'	A4-8.5'	A4-14.5'		
<u>JEL ID:</u>	ST-9288-16	ST-9288-17	ST-9288-18	ST-9288-19	ST-9288-20	<u>Practical Quantitation Limit</u>	<u>Units</u>
Carbon Chain Range							
Diesel Range Organics (C10-C28)	ND	ND	ND	ND	ND	10.0	mg/kg
Oil Range Organics (C29-C32)	ND	ND	ND	ND	ND	10.0	mg/kg
 <u>Dilution Factor</u>	1	1	1	1	1		
 <u>Surrogate Recovery:</u>						<u>QC Limits</u>	
Hexacosane	41%	62%	75%	69%	80%	30 - 120	
 <u>Batch ID:</u>	8015_ 160505_02	8015_ 160505_02	8015_ 160505_02	8015_ 160505_02	8015_ 160509_01		

ND = Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Leighton & Associates, Inc.	Report date:	5/10/2016
Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	ST-9288
		Client Ref No.:	11235.002
Attn:	Robin Ferber	Date Sampled:	5/4/2016
Project:	SJ4 Burbank	Date Received:	5/4/2016
Project Address:	777 N. Front St. Burbank, CA	Date Analyzed:	5/5-6&9/2016
		Physical State:	Soil

EPA 8015M – Semivolatile Hydrocarbons as Diesel & Oil

<u>Sample ID:</u>	A4-20.5'	B1-1'	B1-4.5'	B1-8.5'	B1-14.5'		
<u>JEL ID:</u>	ST-9288-21	ST-9288-22	ST-9288-23	ST-9288-24	ST-9288-25	<u>Practical Quantitation Limit</u>	<u>Units</u>
Carbon Chain Range							
Diesel Range Organics (C10-C28)	ND	ND	ND	ND	ND	10.0	mg/kg
Oil Range Organics (C29-C32)	ND	ND	ND	ND	ND	10.0	mg/kg
 <u>Dilution Factor</u>	 1	 1	 1	 1	 1		
 <u>Surrogate Recovery:</u>						 <u>QC Limits</u>	
Hexacosane	67%	63%	74%	62%	103%	30 - 120	
 <u>Batch ID:</u>	 8015_ 160505_03	 8015_ 160505_03	 8015_ 160505_03	 8015_ 160505_03	 8015_ 160505_03		

ND = Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Leighton & Associates, Inc.	Report date:	5/10/2016
Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	ST-9288
		Client Ref No.:	11235.002
Attn:	Robin Ferber	Date Sampled:	5/4/2016
		Date Received:	5/4/2016
Project:	SJ4 Burbank	Date Analyzed:	5/5-6&9/2016
Project Address:	777 N. Front St. Burbank, CA	Physical State:	Soil

EPA 8015M – Semivolatile Hydrocarbons as Diesel & Oil

<u>Sample ID:</u>	B1-20.5'	B3-1'	B3-4.5'	B3-8.5'	B3-14.5'		
<u>JEL ID:</u>	ST-9288-26	ST-9288-27	ST-9288-28	ST-9288-29	ST-9288-30	<u>Practical Quantitation Limit</u>	<u>Units</u>
Carbon Chain Range							
Diesel Range Organics (C10-C28)	ND	ND	ND	ND	ND	10.0	mg/kg
Oil Range Organics (C29-C32)	ND	ND	ND	ND	ND	10.0	mg/kg
 <u>Dilution Factor</u>	 1	 1	 1	 1	 1		
 <u>Surrogate Recovery:</u>						 <u>QC Limits</u>	
Hexacosane	82%	102%	78%	91%	81%	30 - 120	
 <u>Batch ID:</u>	 8015_ 160505_03	 8015_ 160505_03	 8015_ 160505_03	 8015_ 160505_03	 8015_ 160509_01		

ND = Not Detected



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		Client Ref No.:	11235.002
Attn:	Robin Ferber	Date Sampled:	5/4/2016
Project:	SJ4 Burbank	Date Received:	5/4/2016
Project Address:	777 N. Front St. Burbank, CA	Date Analyzed:	5/5-6&9/2016
		Physical State:	Soil

EPA 8015M – Semivolatile Hydrocarbons as Diesel & Oil

<u>Sample ID:</u>	B3-20.5'	B4-1'	B4-4.5'	B4-8.5'	B4-14.5'		
<u>JEL ID:</u>	ST-9288-31	ST-9288-32	ST-9288-33	ST-9288-34	ST-9288-35	<u>Practical Quantitation Limit</u>	<u>Units</u>
Carbon Chain Range							
Diesel Range Organics (C10-C28)	ND	ND	ND	ND	ND	10.0	mg/kg
Oil Range Organics (C29-C32)	ND	ND	ND	ND	ND	10.0	mg/kg
 <u>Dilution Factor</u>	1	1	1	1	1		
 <u>Surrogate Recovery:</u>						<u>QC Limits</u>	
Hexacosane	58%	63%	79%	85%	40%	30 - 120	
 <u>Batch ID:</u>	8015_ 160505_03	8015_ 160505_03	8015_ 160505_03	8015_ 160505_03	8015_ 160505_03		

ND = Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Leighton & Associates, Inc.	Report date:	5/10/2016
Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	ST-9288
		Client Ref No.:	11235.002
Attn:	Robin Ferber	Date Sampled:	5/4/2016
Project:	SJ4 Burbank	Date Received:	5/4/2016
Project Address:	777 N. Front St. Burbank, CA	Date Analyzed:	5/5-6&9/2016
		Physical State:	Soil

EPA 8015M – Semivolatile Hydrocarbons as Diesel & Oil

<u>Sample ID:</u>	B4-20.5'	B4-4.5D	B5-1'	B5-4.5'	B5-8.5'		
<u>JEL ID:</u>	ST9288-36	ST9288-37	ST9288-38	ST9288-39	ST9288-40	<u>Practical Quantitation Limit</u>	<u>Units</u>
Carbon Chain Range							
Diesel Range Organics (C10-C28)	ND	ND	ND	ND	ND	10.0	mg/kg
Oil Range Organics (C29-C32)	ND	ND	ND	ND	ND	10.0	mg/kg
 <u>Dilution Factor</u>	1	1	1	1	1		
 <u>Surrogate Recovery:</u>						<u>QC Limits</u>	
Hexacosane	40%	65%	103%	76%	64%	30 - 120	
 <u>Batch ID:</u>	8015_ 160505_03	8015_ 160505_03	8015_ 160505_03	8015_ 160505_03	8015_ 160509_01		

ND = Not Detected



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Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	ST-9288
		Client Ref No.:	11235.002
Attn:	Robin Ferber	Date Sampled:	5/4/2016
Project:	SJ4 Burbank	Date Received:	5/4/2016
Project Address:	777 N. Front St. Burbank, CA	Date Analyzed:	5/5-6&9/2016
		Physical State:	Soil

EPA 8015M – Semivolatile Hydrocarbons as Diesel & Oil

<u>Sample ID:</u>	B5-14.5'	B5-20.5'		
<u>JEL ID:</u>	ST9288-41	ST9288-42		
Carbon Chain Range			<u>Practical Quantitation Limit</u>	<u>Units</u>
Diesel Range Organics (C10-C28)	ND	ND	10.0	mg/kg
Oil Range Organics (C29-C32)	ND	ND	10.0	mg/kg
<u>Dilution Factor</u>	1	1		
<u>Surrogate Recovery:</u>			<u>QC Limits</u>	
Hexacosane	47%	57%	30 - 120	
<u>Batch ID:</u>	8015_ 160505_01	8015_ 160505_01		

ND = Not Detected



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JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/10/2016
JEL Ref. No.: ST-9288
Client Ref No.: 11235.002

Attn: Robin Ferber

Date Sampled: 5/4/2016

Project: SJ4 Burbank
Project Address: 777 N. Front St.
Burbank, CA

Date Received: 5/4/2016
Date Analyzed: 5/5-6&9/2016
Physical State: Soil

EPA 8015M – Semivolatile Hydrocarbons as Diesel & Oil

<u>Sample ID:</u>	METHOD BLANK	METHOD BLANK	METHOD BLANK	METHOD BLANK		
<u>JEL ID:</u>	MB- 160505_01	MB- 160505_02	MB- 160505_03	MB- 160509_01	<u>Practical Quantitation Limit</u>	<u>Units</u>
Carbon Chain Range						
Diesel Range Organics (C10-C28)	ND	ND	ND	ND	10.0	mg/kg
Oil Range Organics (C29-C32)	ND	ND	ND	ND	10.0	mg/kg
 <u>Dilution Factor</u>	 1	 1	 1	 1		
 <u>Surrogate Recovery:</u>					 <u>QC Limits</u>	
Hexacosane	115%	104%	67%	88%	30 - 120	
 <u>Batch ID:</u>	 8015_ 160505_01	 8015_ 160505_02	 8015_ 160505_03	 8015_ 160509_01		

ND = Not Detected



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		Client Ref No.:	11235.002
Attn:	Robin Ferber	Date Sampled:	5/4/2016
		Date Received:	5/4/2016
Project:	SJ4 Burbank	Date Analyzed:	5/5-6&9/2016
Project Address:	777 N. Front St. Burbank, CA	Physical State:	Soil

BATCH: 8015_160505_01 **Prepared:** 5/5/2016 **Analyzed:** 5/5/2016

EPA 8015M – Semivolatile Hydrocarbons as Diesel & Oil

	Result	Spike Level	Source Result	% Recovery	% RPD	% Recovery Limits	Units
LCS:	LCS-160505_01	SAMPLE SPIKED:		CLEAN SOIL			
Analyte:							
Diesel	459	600	ND	77%		60 - 140	mg/kg
Surrogate Recovery:							
Hexacosane				48%		30 - 120	
LCSD:	LCSD-160505_01	SAMPLE SPIKED:		CLEAN SOIL			
Analyte:							
Diesel	479	600	ND	80%	4.3%	60 - 140	mg/kg
Surrogate Recoveries:							
Hexacosane				104%		30 - 120	

LCS = Laboratory Control Sample
RPD = Relative Percent Difference



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JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

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Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	ST-9288
		Client Ref No.:	11235.002
Attn:	Robin Ferber	Date Sampled:	5/4/2016
		Date Received:	5/4/2016
Project:	SJ4 Burbank	Date Analyzed:	5/5-6&9/2016
Project Address:	777 N. Front St. Burbank, CA	Physical State:	Soil

BATCH: 8015_160505_02 **Prepared:** 5/5/2016 **Analyzed:** 5/6/2016

EPA 8015M – Semivolatile Hydrocarbons as Diesel & Oil

	Result	Spike Level	Source Result	% Recovery	% RPD	% Recovery Limits	Units
LCS:	LCS-160505_02		SAMPLE SPIKED:		CLEAN SOIL		
Analyte:							
Diesel	418	600	ND	70%		60 - 140	mg/kg
Surrogate Recovery:							
Hexacosane				76%		30 - 120	
LCSD:	LCSD-160505_02		SAMPLE SPIKED:		CLEAN SOIL		
Analyte:							
Diesel	421	600	ND	70%	0.7%	60 - 140	mg/kg
Surrogate Recoveries:							
Hexacosane				72%		30 - 120	

LCS = Laboratory Control Sample
RPD = Relative Percent Difference



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		Client Ref No.:	11235.002
Attn:	Robin Ferber	Date Sampled:	5/4/2016
		Date Received:	5/4/2016
Project:	SJ4 Burbank	Date Analyzed:	5/5-6&9/2016
Project Address:	777 N. Front St. Burbank, CA	Physical State:	Soil

BATCH: 8015_160505_03 **Prepared:** 5/5/2016 **Analyzed:** 5/6/2016

EPA 8015M – Semivolatile Hydrocarbons as Diesel & Oil

	Result	Spike Level	Source Result	% Recovery	% RPD	% Recovery Limits	Units
LCS:	LCS-160505_03	SAMPLE SPIKED:		CLEAN SOIL			
Analyte:							
Diesel	349	600	ND	60%		60 - 140	mg/kg
Surrogate Recovery:							
Hexacosane				70%		30 - 120	
LCSD:	LCSD-160505_03	SAMPLE SPIKED:		CLEAN SOIL			
Analyte:							
Diesel	357	600	ND	60%	2.3%	60 - 140	mg/kg
Surrogate Recoveries:							
Hexacosane				70%		30 - 120	

LCS = Laboratory Control Sample
RPD = Relative Percent Difference



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		Client Ref No.:	11235.002
Attn:	Robin Ferber	Date Sampled:	5/4/2016
		Date Received:	5/4/2016
Project:	SJ4 Burbank	Date Analyzed:	5/5-6&9/2016
Project Address:	777 N. Front St. Burbank, CA	Physical State:	Soil

BATCH: 8015_160509_01 **Prepared:** 5/9/2016 **Analyzed:** 5/9/2016

EPA 8015M – Semivolatile Hydrocarbons as Diesel & Oil

	Result	Spike Level	Source Result	% Recovery	% RPD	% Recovery Limits	Units
LCS:	LCS-160509_01	SAMPLE SPIKED:		CLEAN SOIL			
Analyte:							
Diesel	537	600	ND	90%		60 - 140	mg/kg
Surrogate Recovery:							
Hexacosane				90%		30 - 120	
LCSD:	LCSD-160509_01	SAMPLE SPIKED:		CLEAN SOIL			
Analyte:							
Diesel	524	600	ND	87%	2.5%	60 - 140	mg/kg
Surrogate Recoveries:							
Hexacosane				93%		30 - 120	

LCS = Laboratory Control Sample
RPD = Relative Percent Difference



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Leighton & Associates, Inc.	Report date:	5/10/2016
Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	ST-9288
		Client Ref. No.:	11235.002
Attn:	Robin Ferber	Date Sampled:	5/4/2016
		Date Received:	5/4/2016
Project:	SJ4 Burbank	Date Analyzed:	5/5-6&9/2016
Project Address:	777 N. Front St. Burbank, CA	Physical State:	Soil

EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

<u>Sample ID:</u>	A1-1'	A1-4.5'	A1-8.5'	A1-14.5'	A1-20.5'		
<u>JEL ID:</u>	ST-9288-01	ST-9288-02	ST-9288-03	ST-9288-04	ST-9288-05	<u>Practical Quantitation</u>	<u>Units</u>
<u>Analytes:</u>						<u>Limit</u>	
Benzene	ND	ND	ND	ND	ND	1.0	µg/kg
Bromobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Bromodichloromethane	ND	ND	ND	ND	ND	1.0	µg/kg
Bromoform	ND	ND	ND	ND	ND	1.0	µg/kg
n-Butylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
sec-Butylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
tert-Butylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Carbon tetrachloride	ND	ND	ND	ND	ND	1.0	µg/kg
Chlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Chloroform	ND	ND	ND	ND	ND	1.0	µg/kg
2-Chlorotoluene	ND	ND	ND	ND	ND	1.0	µg/kg
4-Chlorotoluene	ND	ND	ND	ND	ND	1.0	µg/kg
Dibromochloromethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	ND	1.0	µg/kg
Dibromomethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2- Dichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Dichlorodifluoromethane	ND	ND	ND	ND	ND	5.0	µg/kg
1,1-Dichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1-Dichloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,3-Dichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
2,2-Dichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1-Dichloropropene	ND	ND	ND	ND	ND	1.0	µg/kg

JONES ENVIRONMENTAL LABORATORY RESULTS

EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

<u>Sample ID:</u>	A1-1'	A1-4.5'	A1-8.5'	A1-14.5'	A1-20.5'		
<u>JEL ID:</u>	ST-9288-01	ST-9288-02	ST-9288-03	ST-9288-04	ST-9288-05	<u>Practical Quantitation</u>	<u>Units</u>
Analytes:						<u>Limit</u>	
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	1.0	µg/kg
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	1.0	µg/kg
Ethylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Freon 113	ND	ND	ND	ND	ND	5.0	µg/kg
Hexachlorobutadiene	ND	ND	ND	ND	ND	1.0	µg/kg
Isopropylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
4-Isopropyltoluene	ND	ND	ND	ND	ND	1.0	µg/kg
Methylene chloride	ND	ND	ND	ND	ND	1.0	µg/kg
Naphthalene	ND	ND	ND	ND	ND	1.0	µg/kg
n-Propylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Styrene	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
Tetrachloroethylene	ND	ND	ND	ND	ND	1.0	µg/kg
Toluene	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
Trichloroethylene	ND	ND	ND	ND	ND	1.0	µg/kg
Trichlorofluoromethane	ND	ND	ND	ND	ND	5.0	µg/kg
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Vinyl chloride	ND	ND	ND	ND	ND	1.0	µg/kg
Xylenes	ND	ND	ND	ND	ND	1.0	µg/kg
MTBE	ND	ND	ND	ND	ND	5.0	µg/kg
Ethyl-tert-butylether	ND	ND	ND	ND	ND	5.0	µg/kg
Di-isopropylether	ND	ND	ND	ND	ND	5.0	µg/kg
tert-amylmethylether	ND	ND	ND	ND	ND	5.0	µg/kg
tert-Butylalcohol	ND	ND	ND	ND	ND	50.0	µg/kg
Gasoline Range Organics	ND	ND	ND	ND	ND	0.20	mg/kg
<u>Dilution Factor</u>	1	1	1	1	1		
Surrogate Recoveries:						<u>QC Limits</u>	
Dibromofluoromethane	112%	116%	113%	113%	115%	60 - 140	
Toluene-d ₈	102%	106%	105%	107%	107%	60 - 140	
4-Bromofluorobenzene	99%	105%	110%	112%	115%	60 - 140	
	VOC3-050516- CHECKS	VOC3-050516- CHECKS	VOC3-050516- CHECKS	VOC3-050516- CHECKS	VOC3-050516- CHECKS		

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/10/2016
JEL Ref. No.: ST-9288
Client Ref. No.: 11235.002

Attn: Robin Ferber

Date Sampled: 5/4/2016

Project: SJ4 Burbank
Project Address: 777 N. Front St.
Burbank, CA

Date Received: 5/4/2016
Date Analyzed: 5/5-6&9/2016
Physical State: Soil

EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

<u>Sample ID:</u>	A2-1'	A2-4.5'	A2-8.5'	A2-14.5'	A2-20.5'		
<u>JEL ID:</u>	ST-9288-06	ST-9288-07	ST-9288-08	ST-9288-09	ST-9288-10	<u>Practical Quantitation</u>	<u>Units</u>
<u>Analytes:</u>						<u>Limit</u>	
Benzene	ND	ND	ND	ND	ND	1.0	µg/kg
Bromobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Bromodichloromethane	ND	ND	ND	ND	ND	1.0	µg/kg
Bromoform	ND	ND	ND	ND	ND	1.0	µg/kg
n-Butylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
sec-Butylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
tert-Butylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Carbon tetrachloride	ND	ND	ND	ND	ND	1.0	µg/kg
Chlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Chloroform	ND	ND	ND	ND	ND	1.0	µg/kg
2-Chlorotoluene	ND	ND	ND	ND	ND	1.0	µg/kg
4-Chlorotoluene	ND	ND	ND	ND	ND	1.0	µg/kg
Dibromochloromethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	ND	1.0	µg/kg
Dibromomethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2- Dichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Dichlorodifluoromethane	ND	ND	ND	ND	ND	5.0	µg/kg
1,1-Dichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1-Dichloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,3-Dichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
2,2-Dichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1-Dichloropropene	ND	ND	ND	ND	ND	1.0	µg/kg

JONES ENVIRONMENTAL LABORATORY RESULTS

EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

<u>Sample ID:</u>	A2-1'	A2-4.5'	A2-8.5'	A2-14.5'	A2-20.5'		
<u>JEL ID:</u>	ST-9288-06	ST-9288-07	ST-9288-08	ST-9288-09	ST-9288-10	<u>Practical Quantitation</u>	<u>Units</u>
<u>Analytes:</u>						<u>Limit</u>	
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	1.0	µg/kg
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	1.0	µg/kg
Ethylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Freon 113	ND	ND	ND	ND	ND	5.0	µg/kg
Hexachlorobutadiene	ND	ND	ND	ND	ND	1.0	µg/kg
Isopropylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
4-Isopropyltoluene	ND	ND	ND	ND	ND	1.0	µg/kg
Methylene chloride	ND	ND	ND	ND	ND	1.0	µg/kg
Naphthalene	ND	ND	ND	ND	ND	1.0	µg/kg
n-Propylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Styrene	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
Tetrachloroethylene	8.2	2.1	ND	ND	ND	1.0	µg/kg
Toluene	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
Trichloroethylene	ND	ND	ND	ND	ND	1.0	µg/kg
Trichlorofluoromethane	ND	ND	ND	ND	ND	5.0	µg/kg
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Vinyl chloride	ND	ND	ND	ND	ND	1.0	µg/kg
Xylenes	ND	ND	ND	ND	ND	1.0	µg/kg
MTBE	ND	ND	ND	ND	ND	5.0	µg/kg
Ethyl-tert-butylether	ND	ND	ND	ND	ND	5.0	µg/kg
Di-isopropylether	ND	ND	ND	ND	ND	5.0	µg/kg
tert-amylmethylether	ND	ND	ND	ND	ND	5.0	µg/kg
tert-Butylalcohol	ND	ND	ND	ND	ND	50.0	µg/kg
Gasoline Range Organics	ND	ND	ND	ND	ND	0.20	mg/kg
<u>Dilution Factor</u>	1	1	1	1	1		
<u>Surrogate Recoveries:</u>						<u>QC Limits</u>	
Dibromofluoromethane	116%	111%	112%	115%	111%	60 - 140	
Toluene-d ₈	106%	105%	102%	106%	102%	60 - 140	
4-Bromofluorobenzene	104%	108%	106%	108%	109%	60 - 140	
	VOC3-050516- CHECKS	VOC3-050516- CHECKS	VOC3-050516- CHECKS	VOC3-050516- CHECKS	VOC3-050516- CHECKS		

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/10/2016
JEL Ref. No.: ST-9288
Client Ref. No.: 11235.002

Attn: Robin Ferber

Date Sampled: 5/4/2016

Project: SJ4 Burbank
Project Address: 777 N. Front St.
Burbank, CA

Date Received: 5/4/2016
Date Analyzed: 5/5-6&9/2016
Physical State: Soil

EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

<u>Sample ID:</u>	A3-1'	A3-4.5'	A3-8.5'	A3-8.5'-D	A3-14.5'		
<u>JEL ID:</u>	ST-9288-11	ST-9288-12	ST-9288-13	ST-9288-14	ST-9288-15	<u>Practical Quantitation</u>	<u>Units</u>
<u>Analytes:</u>						<u>Limit</u>	
Benzene	ND	ND	ND	ND	ND	1.0	µg/kg
Bromobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Bromodichloromethane	ND	ND	ND	ND	ND	1.0	µg/kg
Bromoform	ND	ND	ND	ND	ND	1.0	µg/kg
n-Butylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
sec-Butylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
tert-Butylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Carbon tetrachloride	ND	ND	ND	ND	ND	1.0	µg/kg
Chlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Chloroform	ND	ND	ND	ND	ND	1.0	µg/kg
2-Chlorotoluene	ND	ND	ND	ND	ND	1.0	µg/kg
4-Chlorotoluene	ND	ND	ND	ND	ND	1.0	µg/kg
Dibromochloromethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	ND	1.0	µg/kg
Dibromomethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Dichlorodifluoromethane	ND	ND	ND	ND	ND	5.0	µg/kg
1,1-Dichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1-Dichloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,3-Dichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
2,2-Dichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1-Dichloropropene	ND	ND	ND	ND	ND	1.0	µg/kg

JONES ENVIRONMENTAL LABORATORY RESULTS

EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

<u>Sample ID:</u>	A3-1'	A3-4.5'	A3-8.5'	A3-8.5'-D	A3-14.5'		
<u>JEL ID:</u>	ST-9288-11	ST-9288-12	ST-9288-13	ST-9288-14	ST-9288-15	<u>Practical Quantitation</u>	<u>Units</u>
<u>Analytes:</u>						<u>Limit</u>	
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	1.0	µg/kg
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	1.0	µg/kg
Ethylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Freon 113	ND	ND	ND	ND	ND	5.0	µg/kg
Hexachlorobutadiene	ND	ND	ND	ND	ND	1.0	µg/kg
Isopropylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
4-Isopropyltoluene	ND	ND	ND	ND	ND	1.0	µg/kg
Methylene chloride	ND	ND	ND	ND	ND	1.0	µg/kg
Naphthalene	ND	ND	ND	ND	ND	1.0	µg/kg
n-Propylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Styrene	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
Tetrachloroethylene	8.9	10.5	11.4	6.6	2.0	1.0	µg/kg
Toluene	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
Trichloroethylene	ND	ND	ND	ND	ND	1.0	µg/kg
Trichlorofluoromethane	ND	ND	ND	ND	ND	5.0	µg/kg
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Vinyl chloride	ND	ND	ND	ND	ND	1.0	µg/kg
Xylenes	ND	ND	ND	ND	ND	1.0	µg/kg
MTBE	ND	ND	ND	ND	ND	5.0	µg/kg
Ethyl-tert-butylether	ND	ND	ND	ND	ND	5.0	µg/kg
Di-isopropylether	ND	ND	ND	ND	ND	5.0	µg/kg
tert-amylmethylether	ND	ND	ND	ND	ND	5.0	µg/kg
tert-Butylalcohol	ND	ND	ND	ND	ND	50.0	µg/kg
Gasoline Range Organics	ND	ND	ND	ND	ND	0.20	mg/kg
<u>Dilution Factor</u>	1	1	1	1	1		
<u>Surrogate Recoveries:</u>						<u>QC Limits</u>	
Dibromofluoromethane	116%	118%	117%	117%	116%	60 - 140	
Toluene-d ₈	107%	108%	107%	106%	101%	60 - 140	
4-Bromofluorobenzene	113%	107%	110%	114%	113%	60 - 140	
	VOC3-050516- CHECKS	VOC3-050516- CHECKS	VOC3-050516- CHECKS	VOC3-050516- CHECKS	VOC3-050516- CHECKS		

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/10/2016
JEL Ref. No.: ST-9288
Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front St.
Burbank, CA

Date Sampled: 5/4/2016
Date Received: 5/4/2016
Date Analyzed: 5/5-6&9/2016
Physical State: Soil

EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

<u>Sample ID:</u>	A3-20.5'	A4-1'	A4-4.5'	A4-8.5'	A4-14.5'		
<u>JEL ID:</u>	ST-9288-16	ST-9288-17	ST-9288-18	ST-9288-19	ST-9288-20	<u>Practical Quantitation</u>	<u>Units</u>
<u>Analytes:</u>						<u>Limit</u>	
Benzene	ND	ND	ND	ND	ND	1.0	µg/kg
Bromobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Bromodichloromethane	ND	ND	ND	ND	ND	1.0	µg/kg
Bromoform	ND	ND	ND	ND	ND	1.0	µg/kg
n-Butylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
sec-Butylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
tert-Butylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Carbon tetrachloride	ND	ND	ND	ND	ND	1.0	µg/kg
Chlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Chloroform	ND	ND	ND	ND	ND	1.0	µg/kg
2-Chlorotoluene	ND	ND	ND	ND	ND	1.0	µg/kg
4-Chlorotoluene	ND	ND	ND	ND	ND	1.0	µg/kg
Dibromochloromethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	ND	1.0	µg/kg
Dibromomethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Dichlorodifluoromethane	ND	ND	ND	ND	ND	5.0	µg/kg
1,1-Dichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1-Dichloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,3-Dichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
2,2-Dichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1-Dichloropropene	ND	ND	ND	ND	ND	1.0	µg/kg

JONES ENVIRONMENTAL LABORATORY RESULTS

EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

<u>Sample ID:</u>	A3-20.5'	A4-1'	A4-4.5'	A4-8.5'	A4-14.5'		
<u>JEL ID:</u>	ST-9288-16	ST-9288-17	ST-9288-18	ST-9288-19	ST-9288-20	<u>Practical Quantitation</u>	<u>Units</u>
<u>Analytes:</u>						<u>Limit</u>	
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	1.0	µg/kg
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	1.0	µg/kg
Ethylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Freon 113	ND	ND	ND	ND	ND	5.0	µg/kg
Hexachlorobutadiene	ND	ND	ND	ND	ND	1.0	µg/kg
Isopropylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
4-Isopropyltoluene	ND	ND	ND	ND	ND	1.0	µg/kg
Methylene chloride	ND	ND	ND	ND	ND	1.0	µg/kg
Naphthalene	ND	ND	ND	ND	ND	1.0	µg/kg
n-Propylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Styrene	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
Tetrachloroethylene	ND	2540*	46.9	118	58.7	1.0	µg/kg
Toluene	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
Trichloroethylene	ND	11.5	ND	2.7	ND	1.0	µg/kg
Trichlorofluoromethane	ND	ND	ND	ND	ND	5.0	µg/kg
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Vinyl chloride	ND	ND	ND	ND	ND	1.0	µg/kg
Xylenes	ND	ND	ND	ND	ND	1.0	µg/kg
MTBE	ND	ND	ND	ND	ND	5.0	µg/kg
Ethyl-tert-butylether	ND	ND	ND	ND	ND	5.0	µg/kg
Di-isopropylether	ND	ND	ND	ND	ND	5.0	µg/kg
tert-amylmethylether	ND	ND	ND	ND	ND	5.0	µg/kg
tert-Butylalcohol	ND	ND	ND	ND	ND	50.0	µg/kg
Gasoline Range Organics	ND	ND	ND	ND	ND	0.20	mg/kg
<u>Dilution Factor</u>	1	1/22*	1	1	1		
<u>Surrogate Recoveries:</u>						<u>QC Limits</u>	
Dibromofluoromethane	117%	116%	121%	118%	112%	60 - 140	
Toluene-d ₈	106%	104%	106%	103%	101%	60 - 140	
4-Bromofluorobenzene	114%	110%	114%	107%	116%	60 - 140	
	VOC3-050516- CHECKS	VOC3-050516- CHECKS & VOC3-050916- CHECKS*	VOC3-050516- CHECKS	VOC3-050516- CHECKS	VOC3-050516- CHECKS		

ND= Not Detected

* = Dilution for these compound(s); first number for all others



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/10/2016
JEL Ref. No.: ST-9288
Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front St.
Burbank, CA

Date Sampled: 5/4/2016
Date Received: 5/4/2016
Date Analyzed: 5/5-6&9/2016
Physical State: Soil

EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

Sample ID:	A4-20.5'	B1-1'	B1-4.5'	B1-8.5'	B1-14.5'		
JEL ID:	ST-9288-21	ST-9288-22	ST-9288-23	ST-9288-24	ST-9288-25	Practical Quantitation	Units
Analytes:						Limit	
Benzene	ND	ND	ND	ND	ND	1.0	µg/kg
Bromobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Bromodichloromethane	ND	ND	ND	ND	ND	1.0	µg/kg
Bromoform	ND	ND	ND	ND	ND	1.0	µg/kg
n-Butylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
sec-Butylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
tert-Butylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Carbon tetrachloride	ND	ND	ND	ND	ND	1.0	µg/kg
Chlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Chloroform	ND	ND	ND	ND	ND	1.0	µg/kg
2-Chlorotoluene	ND	ND	ND	ND	ND	1.0	µg/kg
4-Chlorotoluene	ND	ND	ND	ND	ND	1.0	µg/kg
Dibromochloromethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	ND	1.0	µg/kg
Dibromomethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2- Dichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Dichlorodifluoromethane	ND	ND	ND	ND	ND	5.0	µg/kg
1,1-Dichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1-Dichloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,3-Dichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
2,2-Dichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1-Dichloropropene	ND	ND	ND	ND	ND	1.0	µg/kg

JONES ENVIRONMENTAL LABORATORY RESULTS

EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

<u>Sample ID:</u>	A4-20.5'	B1-1'	B1-4.5'	B1-8.5'	B1-14.5'		
<u>JEL ID:</u>	ST-9288-21	ST-9288-22	ST-9288-23	ST-9288-24	ST-9288-25	<u>Practical Quantitation</u>	<u>Units</u>
<u>Analytes:</u>						<u>Limit</u>	
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	1.0	µg/kg
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	1.0	µg/kg
Ethylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Freon 113	ND	ND	ND	ND	ND	5.0	µg/kg
Hexachlorobutadiene	ND	ND	ND	ND	ND	1.0	µg/kg
Isopropylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
4-Isopropyltoluene	ND	ND	ND	ND	ND	1.0	µg/kg
Methylene chloride	ND	ND	ND	ND	ND	1.0	µg/kg
Naphthalene	ND	ND	ND	ND	ND	1.0	µg/kg
n-Propylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Styrene	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
Tetrachloroethylene	6.8	ND	27.0	2.1	14.8	1.0	µg/kg
Toluene	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
Trichloroethylene	ND	ND	ND	ND	ND	1.0	µg/kg
Trichlorofluoromethane	ND	ND	ND	ND	ND	5.0	µg/kg
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Vinyl chloride	ND	ND	ND	ND	ND	1.0	µg/kg
Xylenes	ND	ND	ND	ND	ND	1.0	µg/kg
MTBE	ND	ND	ND	ND	ND	5.0	µg/kg
Ethyl-tert-butylether	ND	ND	ND	ND	ND	5.0	µg/kg
Di-isopropylether	ND	ND	ND	ND	ND	5.0	µg/kg
tert-amylmethylether	ND	ND	ND	ND	ND	5.0	µg/kg
tert-Butylalcohol	ND	ND	ND	ND	ND	50.0	µg/kg
Gasoline Range Organics	ND	ND	ND	ND	ND	0.20	mg/kg
<u>Dilution Factor</u>	1	1	1	1	1		
<u>Surrogate Recoveries:</u>						<u>QC Limits</u>	
Dibromofluoromethane	117%	120%	117%	117%	120%	60 - 140	
Toluene-d ₈	101%	106%	103%	106%	106%	60 - 140	
4-Bromofluorobenzene	114%	114%	113%	115%	117%	60 - 140	
	VOC3-050516- CHECKS_2	VOC3-050516- CHECKS_2	VOC3-050516- CHECKS_2	VOC3-050516- CHECKS_2	VOC3-050516- CHECKS_2		

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/10/2016
JEL Ref. No.: ST-9288
Client Ref. No.: 11235.002

Attn: Robin Ferber

Date Sampled: 5/4/2016

Project: SJ4 Burbank
Project Address: 777 N. Front St.
Burbank, CA

Date Received: 5/4/2016
Date Analyzed: 5/5-6&9/2016
Physical State: Soil

EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

<u>Sample ID:</u>	B1-20.5'	B3-1'	B3-4.5'	B3-8.5'	B3-14.5'		
<u>JEL ID:</u>	ST-9288-26	ST-9288-27	ST-9288-28	ST-9288-29	ST-9288-30	<u>Practical Quantitation</u>	<u>Units</u>
<u>Analytes:</u>						<u>Limit</u>	
Benzene	ND	ND	ND	ND	ND	1.0	µg/kg
Bromobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Bromodichloromethane	ND	ND	ND	ND	ND	1.0	µg/kg
Bromoform	ND	ND	ND	ND	ND	1.0	µg/kg
n-Butylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
sec-Butylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
tert-Butylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Carbon tetrachloride	ND	ND	ND	ND	ND	1.0	µg/kg
Chlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Chloroform	ND	ND	ND	ND	ND	1.0	µg/kg
2-Chlorotoluene	ND	ND	ND	ND	ND	1.0	µg/kg
4-Chlorotoluene	ND	ND	ND	ND	ND	1.0	µg/kg
Dibromochloromethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	ND	1.0	µg/kg
Dibromomethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2- Dichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Dichlorodifluoromethane	ND	ND	ND	ND	ND	5.0	µg/kg
1,1-Dichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1-Dichloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,3-Dichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
2,2-Dichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1-Dichloropropene	ND	ND	ND	ND	ND	1.0	µg/kg

JONES ENVIRONMENTAL LABORATORY RESULTS

EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

<u>Sample ID:</u>	B1-20.5'	B3-1'	B3-4.5'	B3-8.5'	B3-14.5'		
<u>JEL ID:</u>	ST-9288-26	ST-9288-27	ST-9288-28	ST-9288-29	ST-9288-30	<u>Practical Quantitation</u>	<u>Units</u>
<u>Analytes:</u>						<u>Limit</u>	
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	1.0	µg/kg
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	1.0	µg/kg
Ethylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Freon 113	ND	ND	ND	ND	ND	5.0	µg/kg
Hexachlorobutadiene	ND	ND	ND	ND	ND	1.0	µg/kg
Isopropylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
4-Isopropyltoluene	ND	ND	ND	ND	ND	1.0	µg/kg
Methylene chloride	ND	ND	ND	ND	ND	1.0	µg/kg
Naphthalene	ND	ND	ND	ND	ND	1.0	µg/kg
n-Propylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Styrene	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
Tetrachloroethylene	5.4	21.8	7.9	1.2	6.3	1.0	µg/kg
Toluene	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
Trichloroethylene	ND	ND	ND	ND	ND	1.0	µg/kg
Trichlorofluoromethane	ND	ND	ND	ND	ND	5.0	µg/kg
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Vinyl chloride	ND	ND	ND	ND	ND	1.0	µg/kg
Xylenes	ND	ND	ND	ND	ND	1.0	µg/kg
MTBE	ND	ND	ND	ND	ND	5.0	µg/kg
Ethyl-tert-butylether	ND	ND	ND	ND	ND	5.0	µg/kg
Di-isopropylether	ND	ND	ND	ND	ND	5.0	µg/kg
tert-amylmethylether	ND	ND	ND	ND	ND	5.0	µg/kg
tert-Butylalcohol	ND	ND	ND	ND	ND	50.0	µg/kg
Gasoline Range Organics	ND	ND	ND	ND	ND	0.20	mg/kg
<u>Dilution Factor</u>	1	1	1	1	1		
<u>Surrogate Recoveries:</u>						<u>QC Limits</u>	
Dibromofluoromethane	119%	119%	119%	119%	117%	60 - 140	
Toluene-d ₈	107%	103%	105%	106%	106%	60 - 140	
4-Bromofluorobenzene	120%	111%	112%	114%	117%	60 - 140	

VOC3-050516-CHECKS_2 VOC3-050516-CHECKS_2 VOC3-050516-CHECKS_2 VOC3-050516-CHECKS_2 VOC3-050516-CHECKS_2

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
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Report date: 5/10/2016
JEL Ref. No.: ST-9288
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Attn: Robin Ferber
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Date Sampled: 5/4/2016
Date Received: 5/4/2016
Date Analyzed: 5/5-6&9/2016
Physical State: Soil

EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

<u>Sample ID:</u>	B3-20.5'	B4-1'	B4-4.5'	B4-8.5'	B4-14.5'		
<u>JEL ID:</u>	ST-9288-31	ST-9288-32	ST-9288-33	ST-9288-34	ST-9288-35	<u>Practical Quantitation</u>	<u>Units</u>
<u>Analytes:</u>						<u>Limit</u>	
Benzene	ND	ND	ND	ND	ND	1.0	µg/kg
Bromobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Bromodichloromethane	ND	ND	ND	ND	ND	1.0	µg/kg
Bromoform	ND	ND	ND	ND	ND	1.0	µg/kg
n-Butylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
sec-Butylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
tert-Butylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Carbon tetrachloride	ND	ND	ND	ND	ND	1.0	µg/kg
Chlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Chloroform	ND	ND	ND	ND	ND	1.0	µg/kg
2-Chlorotoluene	ND	ND	ND	ND	ND	1.0	µg/kg
4-Chlorotoluene	ND	ND	ND	ND	ND	1.0	µg/kg
Dibromochloromethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	ND	1.0	µg/kg
Dibromomethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Dichlorodifluoromethane	ND	ND	ND	ND	ND	5.0	µg/kg
1,1-Dichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1-Dichloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
cis-1,2-Dichloroethene	ND	5.0	ND	ND	ND	1.0	µg/kg
trans-1,2-Dichloroethene	ND	2.3	ND	ND	ND	1.0	µg/kg
1,2-Dichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,3-Dichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
2,2-Dichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1-Dichloropropene	ND	ND	ND	ND	ND	1.0	µg/kg

JONES ENVIRONMENTAL LABORATORY RESULTS

EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

<u>Sample ID:</u>	B3-20.5'	B4-1'	B4-4.5'	B4-8.5'	B4-14.5'		
<u>JEL ID:</u>	ST-9288-31	ST-9288-32	ST-9288-33	ST-9288-34	ST-9288-35	<u>Practical Quantitation</u>	<u>Units</u>
Analytes:						<u>Limit</u>	
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	1.0	µg/kg
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	1.0	µg/kg
Ethylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Freon 113	ND	ND	ND	ND	ND	5.0	µg/kg
Hexachlorobutadiene	ND	ND	ND	ND	ND	1.0	µg/kg
Isopropylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
4-Isopropyltoluene	ND	ND	ND	ND	ND	1.0	µg/kg
Methylene chloride	ND	ND	ND	ND	ND	1.0	µg/kg
Naphthalene	ND	ND	ND	ND	ND	1.0	µg/kg
n-Propylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Styrene	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
Tetrachloroethylene	13.8	3330*	24.0	22.4	29.3	1.0	µg/kg
Toluene	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
Trichloroethylene	ND	153	ND	ND	ND	1.0	µg/kg
Trichlorofluoromethane	ND	ND	ND	ND	ND	5.0	µg/kg
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Vinyl chloride	ND	ND	ND	ND	ND	1.0	µg/kg
Xylenes	ND	ND	ND	ND	ND	1.0	µg/kg
MTBE	ND	ND	ND	ND	ND	5.0	µg/kg
Ethyl-tert-butylether	ND	ND	ND	ND	ND	5.0	µg/kg
Di-isopropylether	ND	ND	ND	ND	ND	5.0	µg/kg
tert-amylmethylether	ND	ND	ND	ND	ND	5.0	µg/kg
tert-Butylalcohol	ND	ND	ND	ND	ND	50.0	µg/kg
Gasoline Range Organics	ND	ND	ND	ND	ND	0.20	mg/kg
<u>Dilution Factor</u>	1	1/25*	1	1	1		
Surrogate Recoveries:						<u>QC Limits</u>	
Dibromofluoromethane	121%	117%	114%	112%	119%	60 - 140	
Toluene-d ₈	107%	104%	102%	98%	105%	60 - 140	
4-Bromofluorobenzene	118%	107%	109%	109%	115%	60 - 140	

VOC3-050516-
 VOC3-050516-
 CHECKS_2 CHECKS & VOC3-050516-
 VOC3-050916- CHECKS_2 VOC3-050516-
 CHECKS* CHECKS_2 CHECKS_2

ND= Not Detected

* = Dilution for these compound(s); first number for all others



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/10/2016
JEL Ref. No.: ST-9288
Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front St.
Burbank, CA

Date Sampled: 5/4/2016
Date Received: 5/4/2016
Date Analyzed: 5/5-6&9/2016
Physical State: Soil

EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

<u>Sample ID:</u>	B4-20.5'	B4-4.5D	B5-1'	B5-4.5'	B5-8.5'		
<u>JEL ID:</u>	ST9288-36	ST9288-37	ST9288-38	ST9288-39	ST9288-40	<u>Practical Quantitation</u>	<u>Units</u>
<u>Analytes:</u>						<u>Limit</u>	
Benzene	ND	ND	ND	ND	ND	1.0	µg/kg
Bromobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Bromodichloromethane	ND	ND	ND	ND	ND	1.0	µg/kg
Bromoform	ND	ND	ND	ND	ND	1.0	µg/kg
n-Butylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
sec-Butylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
tert-Butylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Carbon tetrachloride	ND	ND	ND	ND	ND	1.0	µg/kg
Chlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Chloroform	ND	ND	ND	ND	ND	1.0	µg/kg
2-Chlorotoluene	ND	ND	ND	ND	ND	1.0	µg/kg
4-Chlorotoluene	ND	ND	ND	ND	ND	1.0	µg/kg
Dibromochloromethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	ND	1.0	µg/kg
Dibromomethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2- Dichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Dichlorodifluoromethane	ND	ND	ND	ND	ND	5.0	µg/kg
1,1-Dichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1-Dichloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,3-Dichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
2,2-Dichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1-Dichloropropene	ND	ND	ND	ND	ND	1.0	µg/kg

JONES ENVIRONMENTAL LABORATORY RESULTS

EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

<u>Sample ID:</u>	B4-20.5'	B4-4.5D	B5-1'	B5-4.5'	B5-8.5'		
<u>JEL ID:</u>	ST9288-36	ST9288-37	ST9288-38	ST9288-39	ST9288-40	<u>Practical Quantitation</u>	<u>Units</u>
Analytes:						<u>Limit</u>	
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	1.0	µg/kg
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	1.0	µg/kg
Ethylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Freon 113	ND	ND	ND	ND	ND	5.0	µg/kg
Hexachlorobutadiene	ND	ND	ND	ND	ND	1.0	µg/kg
Isopropylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
4-Isopropyltoluene	ND	ND	ND	ND	ND	1.0	µg/kg
Methylene chloride	ND	ND	ND	ND	ND	1.0	µg/kg
Naphthalene	ND	ND	ND	ND	ND	1.0	µg/kg
n-Propylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Styrene	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
Tetrachloroethylene	54.8	21.2	29.6	148	161	1.0	µg/kg
Toluene	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
Trichloroethylene	ND	ND	ND	ND	ND	1.0	µg/kg
Trichlorofluoromethane	ND	ND	ND	ND	ND	5.0	µg/kg
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Vinyl chloride	ND	ND	ND	ND	ND	1.0	µg/kg
Xylenes	ND	ND	ND	ND	ND	1.0	µg/kg
MTBE	ND	ND	ND	ND	ND	5.0	µg/kg
Ethyl-tert-butylether	ND	ND	ND	ND	ND	5.0	µg/kg
Di-isopropylether	ND	ND	ND	ND	ND	5.0	µg/kg
tert-amylmethylether	ND	ND	ND	ND	ND	5.0	µg/kg
tert-Butylalcohol	ND	ND	ND	ND	ND	50.0	µg/kg
Gasoline Range Organics	ND	ND	ND	ND	ND	0.20	mg/kg
<u>Dilution Factor</u>	1	1	1	1	1		
Surrogate Recoveries:						<u>QC Limits</u>	
Dibromofluoromethane	119%	119%	118%	117%	113%	60 - 140	
Toluene-d ₈	106%	103%	104%	104%	100%	60 - 140	
4-Bromofluorobenzene	116%	111%	110%	113%	112%	60 - 140	

VOC3-050516-CHECKS_2 VOC3-050516-CHECKS_2 VOC3-050516-CHECKS_2 VOC3-050516-CHECKS_2 VOC3-050516-CHECKS_2

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/10/2016
JEL Ref. No.: ST-9288
Client Ref. No.: 11235.002

Attn: Robin Ferber

Date Sampled: 5/4/2016

Project: SJ4 Burbank
Project Address: 777 N. Front St.
Burbank, CA

Date Received: 5/4/2016
Date Analyzed: 5/5-6&9/2016
Physical State: Soil

EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

Sample ID: B5-14.5' B5-20.5'

JEL ID: ST9288-41 ST9288-42

Analytes:

			<u>Practical</u> <u>Quantitation</u>	<u>Units</u>
			<u>Limit</u>	
Benzene	ND	ND	1.0	µg/kg
Bromobenzene	ND	ND	1.0	µg/kg
Bromodichloromethane	ND	ND	1.0	µg/kg
Bromoform	ND	ND	1.0	µg/kg
n-Butylbenzene	ND	ND	1.0	µg/kg
sec-Butylbenzene	ND	ND	1.0	µg/kg
tert-Butylbenzene	ND	ND	1.0	µg/kg
Carbon tetrachloride	ND	ND	1.0	µg/kg
Chlorobenzene	ND	ND	1.0	µg/kg
Chloroform	ND	ND	1.0	µg/kg
2-Chlorotoluene	ND	ND	1.0	µg/kg
4-Chlorotoluene	ND	ND	1.0	µg/kg
Dibromochloromethane	ND	ND	1.0	µg/kg
1,2-Dibromo-3-chloropropane	ND	ND	1.0	µg/kg
1,2-Dibromoethane (EDB)	ND	ND	1.0	µg/kg
Dibromomethane	ND	ND	1.0	µg/kg
1,2- Dichlorobenzene	ND	ND	1.0	µg/kg
1,3-Dichlorobenzene	ND	ND	1.0	µg/kg
1,4-Dichlorobenzene	ND	ND	1.0	µg/kg
Dichlorodifluoromethane	ND	ND	5.0	µg/kg
1,1-Dichloroethane	ND	ND	1.0	µg/kg
1,2-Dichloroethane	ND	ND	1.0	µg/kg
1,1-Dichloroethene	ND	ND	1.0	µg/kg
cis-1,2-Dichloroethene	ND	ND	1.0	µg/kg
trans-1,2-Dichloroethene	ND	ND	1.0	µg/kg
1,2-Dichloropropane	ND	ND	1.0	µg/kg
1,3-Dichloropropane	ND	ND	1.0	µg/kg
2,2-Dichloropropane	ND	ND	1.0	µg/kg
1,1-Dichloropropene	ND	ND	1.0	µg/kg

JONES ENVIRONMENTAL LABORATORY RESULTS

EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

<u>Sample ID:</u>	B5-14.5'	B5-20.5'		
<u>JEL ID:</u>	ST9288-41	ST9288-42	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:				
cis-1,3-Dichloropropene	ND	ND	1.0	µg/kg
trans-1,3-Dichloropropene	ND	ND	1.0	µg/kg
Ethylbenzene	ND	ND	1.0	µg/kg
Freon 113	ND	ND	5.0	µg/kg
Hexachlorobutadiene	ND	ND	1.0	µg/kg
Isopropylbenzene	ND	ND	1.0	µg/kg
4-Isopropyltoluene	ND	ND	1.0	µg/kg
Methylene chloride	ND	ND	1.0	µg/kg
Naphthalene	ND	ND	1.0	µg/kg
n-Propylbenzene	ND	ND	1.0	µg/kg
Styrene	ND	ND	1.0	µg/kg
1,1,1,2-Tetrachloroethane	ND	ND	1.0	µg/kg
1,1,2,2-Tetrachloroethane	ND	ND	1.0	µg/kg
Tetrachloroethylene	25.3	14.9	1.0	µg/kg
Toluene	ND	ND	1.0	µg/kg
1,2,3-Trichlorobenzene	ND	ND	1.0	µg/kg
1,2,4-Trichlorobenzene	ND	ND	1.0	µg/kg
1,1,1-Trichloroethane	ND	ND	1.0	µg/kg
1,1,2-Trichloroethane	ND	ND	1.0	µg/kg
Trichloroethylene	ND	ND	1.0	µg/kg
Trichlorofluoromethane	ND	ND	5.0	µg/kg
1,2,3-Trichloropropane	ND	ND	1.0	µg/kg
1,2,4-Trimethylbenzene	ND	ND	1.0	µg/kg
1,3,5-Trimethylbenzene	ND	ND	1.0	µg/kg
Vinyl chloride	ND	ND	1.0	µg/kg
Xylenes	ND	ND	1.0	µg/kg
MTBE	ND	ND	5.0	µg/kg
Ethyl-tert-butylether	ND	ND	5.0	µg/kg
Di-isopropylether	ND	ND	5.0	µg/kg
tert-amylmethylether	ND	ND	5.0	µg/kg
tert-Butylalcohol	ND	ND	50.0	µg/kg
Gasoline Range Organics	ND	ND	0.20	mg/kg
<u>Dilution Factor</u>	1	1		
<u>Surrogate Recoveries:</u>			<u>QC Limits</u>	
Dibromofluoromethane	109%	110%	60 - 140	
Toluene-d ₈	100%	98%	60 - 140	
4-Bromofluorobenzene	103%	108%	60 - 140	

VOC3-050616-
CHECKS VOC3-050616-
CHECKS

ND= Not Detected



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JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

Client:	Leighton & Associates, Inc.	Report date:	5/10/2016
Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	ST-9288
		Client Ref. No.:	11235.002
Attn:	Robin Ferber	Date Sampled:	5/4/2016
		Date Received:	5/4/2016
Project:	SJ4 Burbank	Date Analyzed:	5/5-6&9/2016
Project Address:	777 N. Front St. Burbank, CA	Physical State:	Soil

EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

<u>Sample ID:</u>	METHOD BLANK	METHOD BLANK	METHOD BLANK	METHOD BLANK		
<u>JEL ID:</u>	ST-9288-43	ST-9288-47	ST-9288-51	ST-9288-55	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:						
Benzene	ND	ND	ND	ND	1.0	µg/kg
Bromobenzene	ND	ND	ND	ND	1.0	µg/kg
Bromodichloromethane	ND	ND	ND	ND	1.0	µg/kg
Bromoform	ND	ND	ND	ND	1.0	µg/kg
n-Butylbenzene	ND	ND	ND	ND	1.0	µg/kg
sec-Butylbenzene	ND	ND	ND	ND	1.0	µg/kg
tert-Butylbenzene	ND	ND	ND	ND	1.0	µg/kg
Carbon tetrachloride	ND	ND	ND	ND	1.0	µg/kg
Chlorobenzene	ND	ND	ND	ND	1.0	µg/kg
Chloroform	ND	ND	ND	ND	1.0	µg/kg
2-Chlorotoluene	ND	ND	ND	ND	1.0	µg/kg
4-Chlorotoluene	ND	ND	ND	ND	1.0	µg/kg
Dibromochloromethane	ND	ND	ND	ND	1.0	µg/kg
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	1.0	µg/kg
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	1.0	µg/kg
Dibromomethane	ND	ND	ND	ND	1.0	µg/kg
1,2- Dichlorobenzene	ND	ND	ND	ND	1.0	µg/kg
1,3-Dichlorobenzene	ND	ND	ND	ND	1.0	µg/kg
1,4-Dichlorobenzene	ND	ND	ND	ND	1.0	µg/kg
Dichlorodifluoromethane	ND	ND	ND	ND	5.0	µg/kg
1,1-Dichloroethane	ND	ND	ND	ND	1.0	µg/kg
1,2-Dichloroethane	ND	ND	ND	ND	1.0	µg/kg
1,1-Dichloroethene	ND	ND	ND	ND	1.0	µg/kg
cis-1,2-Dichloroethene	ND	ND	ND	ND	1.0	µg/kg
trans-1,2-Dichloroethene	ND	ND	ND	ND	1.0	µg/kg
1,2-Dichloropropane	ND	ND	ND	ND	1.0	µg/kg
1,3-Dichloropropane	ND	ND	ND	ND	1.0	µg/kg
2,2-Dichloropropane	ND	ND	ND	ND	1.0	µg/kg
1,1-Dichloropropene	ND	ND	ND	ND	1.0	µg/kg

JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

<u>Sample ID:</u>	METHOD BLANK	METHOD BLANK	METHOD BLANK	METHOD BLANK		
<u>JEL ID:</u>	ST-9288-43	ST-9288-47	ST-9288-51	ST-9288-55	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:						
cis-1,3-Dichloropropene	ND	ND	ND	ND	1.0	µg/kg
trans-1,3-Dichloropropene	ND	ND	ND	ND	1.0	µg/kg
Ethylbenzene	ND	ND	ND	ND	1.0	µg/kg
Freon 113	ND	ND	ND	ND	5.0	µg/kg
Hexachlorobutadiene	ND	ND	ND	ND	1.0	µg/kg
Isopropylbenzene	ND	ND	ND	ND	1.0	µg/kg
4-Isopropyltoluene	ND	ND	ND	ND	1.0	µg/kg
Methylene chloride	ND	ND	ND	ND	1.0	µg/kg
Naphthalene	ND	ND	ND	ND	1.0	µg/kg
n-Propylbenzene	ND	ND	ND	ND	1.0	µg/kg
Styrene	ND	ND	ND	ND	1.0	µg/kg
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	1.0	µg/kg
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	1.0	µg/kg
Tetrachloroethylene	ND	ND	ND	ND	1.0	µg/kg
Toluene	ND	ND	ND	ND	1.0	µg/kg
1,2,3-Trichlorobenzene	ND	ND	ND	ND	1.0	µg/kg
1,2,4-Trichlorobenzene	ND	ND	ND	ND	1.0	µg/kg
1,1,1-Trichloroethane	ND	ND	ND	ND	1.0	µg/kg
1,1,2-Trichloroethane	ND	ND	ND	ND	1.0	µg/kg
Trichloroethylene	ND	ND	ND	ND	1.0	µg/kg
Trichlorofluoromethane	ND	ND	ND	ND	5.0	µg/kg
1,2,3-Trichloropropane	ND	ND	ND	ND	1.0	µg/kg
1,2,4-Trimethylbenzene	ND	ND	ND	ND	1.0	µg/kg
1,3,5-Trimethylbenzene	ND	ND	ND	ND	1.0	µg/kg
Vinyl chloride	ND	ND	ND	ND	1.0	µg/kg
Xylenes	ND	ND	ND	ND	1.0	µg/kg
MTBE	ND	ND	ND	ND	5.0	µg/kg
Ethyl-tert-butylether	ND	ND	ND	ND	5.0	µg/kg
Di-isopropylether	ND	ND	ND	ND	5.0	µg/kg
tert-amylmethylether	ND	ND	ND	ND	5.0	µg/kg
tert-Butylalcohol	ND	ND	ND	ND	50.0	µg/kg
Gasoline Range Organics	ND	ND	ND	ND	0.20	mg/kg
<u>Dilution Factor</u>	1	1	1	1		
Surrogate Recoveries:					QC Limits	
Dibromofluoromethane	112%	113%	109%	108%	60 - 140	
Toluene-d ₈	105%	102%	99%	103%	60 - 140	
4-Bromofluorobenzene	109%	110%	103%	99%	60 - 140	
	VOC3-050516- CHECKS	VOC3-050516- CHECKS_2	VOC3-050616- CHECKS	VOC3-050916- CHECKS		

ND= Not Detected



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JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/10/2016
JEL Ref. No.: ST-9288
Client Ref. No.: 11235.002

Attn: Robin Ferber

Date Sampled: 5/4/2016

Date Received: 5/4/2016

Project: SJ4 Burbank
Project Address: 777 N. Front St.
Burbank, CA

Date Analyzed: 5/5-6&9/2016

Physical State: Soil

EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

Sample Spiked:		CLEAN SOIL		GC#: VOC3-050516-CHECKS		
JEL ID:	ST-9288-45	ST-9288-46		ST-9288-44		
Parameter	MS Recovery (%)	MSD (%)	Recovery (%)	RPD	Acceptability Range (%)	Acceptability Range (%)
Vinyl Chloride	91%		92%	0.8%	60 - 140	99% 70 - 130
1,1-Dichloroethylene	111%		110%	1.7%	60 - 140	127% 70 - 130
Cis-1,2-Dichloroethene	103%		100%	2.9%	70 - 130	111% 70 - 130
1,1,1-Trichloroethane	123%		118%	4.0%	70 - 130	133% 70 - 130
Benzene	114%		110%	3.8%	70 - 130	122% 70 - 130
Trichloroethylene	117%		111%	5.8%	70 - 130	127% 70 - 130
Toluene	95%		89%	6.9%	70 - 130	98% 70 - 130
Tetrachloroethene	109%		102%	6.2%	70 - 130	114% 70 - 130
Chlorobenzene	112%		106%	5.7%	70 - 130	116% 70 - 130
Ethylbenzene	83%		93%	11%	70 - 130	101% 70 - 130
1,2,4 Trimethylbenzene	91%		87%	5.0%	70 - 130	95% 70 - 130
Gasoline Range Organics	96%		95%	1.4%	70 - 130	
Surrogate Recovery:						
Dibromofluoromethane	98%		62%		60 - 140	60% 60 - 140
Toluene-d ₈	98%		101%		60 - 140	98% 60 - 140
4-Bromofluorobenzene	135%		132%		60 - 140	132% 60 - 140

MS = Matrix Spike

MSD = Matrix Spike Duplicate

RPD = Relative Percent Difference; Acceptability range for RPD is ≤ 15%



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Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
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Report date: 5/10/2016
JEL Ref. No.: ST-9288
Client Ref. No.: 11235.002

Attn: Robin Ferber

Date Sampled: 5/4/2016

Date Received: 5/4/2016

Project: SJ4 Burbank
Project Address: 777 N. Front St.
Burbank, CA

Date Analyzed: 5/5-6&9/2016

Physical State: Soil

EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

Sample Spiked:		CLEAN SOIL		GC#: VOC3-050516-CHECKS_2		
JEL ID:	ST-9288-49	ST-9288-50		ST-9288-48		
Parameter	MS Recovery (%)	MSD (%)	Recovery (%)	RPD	Acceptability Range (%)	Acceptability Range (%)
Vinyl Chloride	95%		94%	1.0%	60 - 140	96% 70 - 130
1,1-Dichloroethylene	124%		117%	5.6%	60 - 140	133% 70 - 130
Cis-1,2-Dichloroethene	111%		109%	1.9%	70 - 130	119% 70 - 130
1,1,1-Trichloroethane	121%		120%	1.4%	70 - 130	128% 70 - 130
Benzene	116%		115%	0.5%	70 - 130	121% 70 - 130
Trichloroethylene	118%		116%	2.2%	70 - 130	126% 70 - 130
Toluene	99%		95%	4.4%	70 - 130	100% 70 - 130
Tetrachloroethene	109%		106%	2.9%	70 - 130	118% 70 - 130
Chlorobenzene	122%		117%	3.9%	70 - 130	122% 70 - 130
Ethylbenzene	101%		97%	4.5%	70 - 130	103% 70 - 130
1,2,4 Trimethylbenzene	96%		93%	3.5%	70 - 130	97% 70 - 130
Gasoline Range Organics	103%		100%	3.1%	70 - 130	
Surrogate Recovery:						
Dibromofluoromethane	66%		67%		60 - 140	65% 60 - 140
Toluene-d ₈	103%		103%		60 - 140	103% 60 - 140
4-Bromofluorobenzene	142%		147%		60 - 140	143% 60 - 140

MS = Matrix Spike

MSD = Matrix Spike Duplicate

RPD = Relative Percent Difference; Acceptability range for RPD is ≤ 15%



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JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/10/2016
JEL Ref. No.: ST-9288
Client Ref. No.: 11235.002

Attn: Robin Ferber

Date Sampled: 5/4/2016

Date Received: 5/4/2016

Project: SJ4 Burbank
Project Address: 777 N. Front St.
Burbank, CA

Date Analyzed: 5/5-6&9/2016

Physical State: Soil

EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

Sample Spiked:		CLEAN SOIL		GC#: VOC3-050616-CHECKS		
JEL ID:	ST-9288-53	ST-9288-54		ST-9288-52		
Parameter	MS Recovery (%)	MSD (%)	Recovery (%)	RPD	Acceptability Range (%)	Acceptability Range (%)
Vinyl Chloride	95%		91%	5.0%	60 - 140	96% 70 - 130
1,1-Dichloroethylene	127%		117%	7.9%	60 - 140	135% 70 - 130
Cis-1,2-Dichloroethene	105%		103%	2.3%	70 - 130	112% 70 - 130
1,1,1-Trichloroethane	125%		116%	7.3%	70 - 130	133% 70 - 130
Benzene	115%		109%	5.3%	70 - 130	119% 70 - 130
Trichloroethylene	121%		114%	6.4%	70 - 130	128% 70 - 130
Toluene	94%		91%	4.0%	70 - 130	103% 70 - 130
Tetrachloroethene	105%		101%	4.3%	70 - 130	115% 70 - 130
Chlorobenzene	111%		107%	3.6%	70 - 130	118% 70 - 130
Ethylbenzene	95%		91%	4.7%	70 - 130	101% 70 - 130
1,2,4 Trimethylbenzene	92%		87%	5.8%	70 - 130	99% 70 - 130
Gasoline Range Organics	99%		94%	5.0%	70 - 130	
Surrogate Recovery:						
Dibromofluoromethane	63%		61%		60 - 140	60% 60 - 140
Toluene-d ₈	101%		97%		60 - 140	96% 60 - 140
4-Bromofluorobenzene	137%		132%		60 - 140	132% 60 - 140

MS = Matrix Spike

MSD = Matrix Spike Duplicate

RPD = Relative Percent Difference; Acceptability range for RPD is ≤ 15%



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JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/10/2016
JEL Ref. No.: ST-9288
Client Ref. No.: 11235.002

Attn: Robin Ferber

Date Sampled: 5/4/2016

Date Received: 5/4/2016

Project: SJ4 Burbank
Project Address: 777 N. Front St.
Burbank, CA

Date Analyzed: 5/5-6&9/2016

Physical State: Soil

EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

Sample Spiked:		CLEAN SOIL		GC#: VOC3-050916-CHECKS		
JEL ID:	ST-9288-57	ST-9288-58		ST-9288-56		
Parameter	MS Recovery (%)	MSD (%)	Recovery (%)	RPD	Acceptability Range (%)	Acceptability Range (%)
Vinyl Chloride	92%		92%	0.1%	60 - 140	101% 70 - 130
1,1-Dichloroethylene	121%		112%	8.1%	60 - 140	127% 70 - 130
Cis-1,2-Dichloroethene	102%		100%	1.8%	70 - 130	105% 70 - 130
1,1,1-Trichloroethane	125%		120%	3.8%	70 - 130	130% 70 - 130
Benzene	127%		116%	8.9%	70 - 130	125% 70 - 130
Trichloroethylene	121%		114%	5.5%	70 - 130	125% 70 - 130
Toluene	93%		90%	4.1%	70 - 130	96% 70 - 130
Tetrachloroethene	102%		93%	8.8%	70 - 130	106% 70 - 130
Chlorobenzene	107%		104%	3.1%	70 - 130	110% 70 - 130
Ethylbenzene	95%		92%	3.4%	70 - 130	84% 70 - 130
1,2,4 Trimethylbenzene	90%		84%	6.4%	70 - 130	91% 70 - 130
Gasoline Range Organics	101%		95%	5.9%	70 - 130	
Surrogate Recovery:						
Dibromofluoromethane	69%		66%		60 - 140	66% 60 - 140
Toluene-d ₈	98%		94%		60 - 140	98% 60 - 140
4-Bromofluorobenzene	132%		134%		60 - 140	130% 60 - 140

MS = Matrix Spike

MSD = Matrix Spike Duplicate

RPD = Relative Percent Difference; Acceptability range for RPD is ≤ 15%



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/10/2016
JEL Ref. No.: ST-9288
Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front St.
Burbank, CA

Date Sampled: 5/4/2016
Date Received: 5/4/2016
Date Analyzed: 5/9-10/2016
Physical State: Soil

Sample ID: A1-1' **JEL ID:** ST-9288-01

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16050501	5/5/2016	5/9/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	287	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	11.1	1	"	"	"	0.5	mg/kg
Chromium, Cr	15.9	1	"	"	"	0.5	mg/kg
Copper, Cu	33.9	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	10.6	1	"	"	"	0.5	mg/kg
Lead, Pb	7.1	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	38.1	1	"	"	"	0.5	mg/kg
Zinc, Zn	99.1	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	ND	1	H16050601	5/6/2016	5/9/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/10/2016
JEL Ref. No.: ST-9288
Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front St.
Burbank, CA

Date Sampled: 5/4/2016
Date Received: 5/4/2016
Date Analyzed: 5/9-10/2016
Physical State: Soil

Sample ID: A1-4.5' **JEL ID:** ST-9288-02

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16050501	5/5/2016	5/9/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	225	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	19.5	1	"	"	"	0.5	mg/kg
Chromium, Cr	33.7	1	"	"	"	0.5	mg/kg
Copper, Cu	41.7	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	25.8	1	"	"	"	0.5	mg/kg
Lead, Pb	3.9	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	71.9	1	"	"	"	0.5	mg/kg
Zinc, Zn	76.1	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	0.027	1	H16050601	5/6/2016	5/9/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/10/2016
JEL Ref. No.: ST-9288
Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front St.
Burbank, CA

Date Sampled: 5/4/2016
Date Received: 5/4/2016
Date Analyzed: 5/9-10/2016
Physical State: Soil

Sample ID: A1-8.5' **JEL ID:** ST-9288-03

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16050501	5/5/2016	5/9/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	246	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	22.6	1	"	"	"	0.5	mg/kg
Chromium, Cr	43.2	1	"	"	"	0.5	mg/kg
Copper, Cu	47.3	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	32.6	1	"	"	"	0.5	mg/kg
Lead, Pb	4.2	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	78.4	1	"	"	"	0.5	mg/kg
Zinc, Zn	94.9	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	0.038	1	H16050601	5/6/2016	5/9/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Leighton & Associates, Inc.	Report date:	5/10/2016
Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	ST-9288
		Client Ref. No.:	11235.002
Attn:	Robin Ferber	Date Sampled:	5/4/2016
		Date Received:	5/4/2016
Project:	SJ4 Burbank	Date Analyzed:	5/9-10/2016
Project Address:	777 N. Front St. Burbank, CA	Physical State:	Soil

Sample ID: A1-14.5' **JEL ID:** ST-9288-04

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16050501	5/5/2016	5/9/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	213	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	17.5	1	"	"	"	0.5	mg/kg
Chromium, Cr	31.4	1	"	"	"	0.5	mg/kg
Copper, Cu	39.4	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	22.0	1	"	"	"	0.5	mg/kg
Lead, Pb	3.6	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	66.4	1	"	"	"	0.5	mg/kg
Zinc, Zn	75.1	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	ND	1	H16050602	5/6/2016	5/9/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/10/2016
JEL Ref. No.: ST-9288
Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front St.
Burbank, CA

Date Sampled: 5/4/2016
Date Received: 5/4/2016
Date Analyzed: 5/9-10/2016
Physical State: Soil

Sample ID: A1-20.5' **JEL ID:** ST-9288-05

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16050501	5/5/2016	5/9/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	194	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	16.0	1	"	"	"	0.5	mg/kg
Chromium, Cr	26.8	1	"	"	"	0.5	mg/kg
Copper, Cu	39.6	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	20.5	1	"	"	"	0.5	mg/kg
Lead, Pb	5.3	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	59.3	1	"	"	"	0.5	mg/kg
Zinc, Zn	71.1	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	0.033	1	H16050602	5/6/2016	5/9/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/10/2016
JEL Ref. No.: ST-9288
Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front St.
Burbank, CA

Date Sampled: 5/4/2016
Date Received: 5/4/2016
Date Analyzed: 5/9-10/2016
Physical State: Soil

Sample ID: A2-1' **JEL ID:** ST-9288-06

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16050501	5/5/2016	5/9/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	188	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	15.5	1	"	"	"	0.5	mg/kg
Chromium, Cr	28.5	1	"	"	"	0.5	mg/kg
Copper, Cu	33.8	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	19.7	1	"	"	"	0.5	mg/kg
Lead, Pb	3.2	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	58.2	1	"	"	"	0.5	mg/kg
Zinc, Zn	66.7	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	0.051	1	H16050502	5/5/2016	5/9/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/10/2016
JEL Ref. No.: ST-9288
Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front St.
Burbank, CA

Date Sampled: 5/4/2016
Date Received: 5/4/2016
Date Analyzed: 5/9-10/2016
Physical State: Soil

Sample ID: A2-4.5' **JEL ID:** ST-9288-07

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16050501	5/5/2016	5/9/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	152	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	13.4	1	"	"	"	0.5	mg/kg
Chromium, Cr	31.8	1	"	"	"	0.5	mg/kg
Copper, Cu	30.4	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	21.5	1	"	"	"	0.5	mg/kg
Lead, Pb	3.1	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	52.5	1	"	"	"	0.5	mg/kg
Zinc, Zn	62.5	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	0.038	1	H16050502	5/5/2016	5/9/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/10/2016
JEL Ref. No.: ST-9288
Client Ref. No.: 11235.002

Attn: Robin Ferber

Date Sampled: 5/4/2016

Date Received: 5/4/2016

Project: SJ4 Burbank
Project Address: 777 N. Front St.
Burbank, CA

Date Analyzed: 5/9-10/2016

Physical State: Soil

Sample ID: A2-8.5' **JEL ID:** ST-9288-08

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16050501	5/5/2016	5/9/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	111	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	8.4	1	"	"	"	0.5	mg/kg
Chromium, Cr	18.3	1	"	"	"	0.5	mg/kg
Copper, Cu	16.4	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	9.5	1	"	"	"	0.5	mg/kg
Lead, Pb	0.6	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	39.9	1	"	"	"	0.5	mg/kg
Zinc, Zn	38.8	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	ND	1	H16050502	5/5/2016	5/9/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/10/2016
JEL Ref. No.: ST-9288
Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front St.
Burbank, CA

Date Sampled: 5/4/2016
Date Received: 5/4/2016
Date Analyzed: 5/9-10/2016
Physical State: Soil

Sample ID: A2-14.5' **JEL ID:** ST-9288-09

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16050501	5/5/2016	5/9/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	195	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	16.9	1	"	"	"	0.5	mg/kg
Chromium, Cr	29.6	1	"	"	"	0.5	mg/kg
Copper, Cu	35.3	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	20.9	1	"	"	"	0.5	mg/kg
Lead, Pb	3.6	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	64.9	1	"	"	"	0.5	mg/kg
Zinc, Zn	73.6	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	ND	1	H16050502	5/5/2016	5/9/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/10/2016
JEL Ref. No.: ST-9288
Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front St.
Burbank, CA

Date Sampled: 5/4/2016
Date Received: 5/4/2016
Date Analyzed: 5/9-10/2016
Physical State: Soil

Sample ID: A2-20.5' **JEL ID:** ST-9288-10

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16050501	5/5/2016	5/9/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	192	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	15.2	1	"	"	"	0.5	mg/kg
Chromium, Cr	28.5	1	"	"	"	0.5	mg/kg
Copper, Cu	38.9	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	19.7	1	"	"	"	0.5	mg/kg
Lead, Pb	3.6	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	62.7	1	"	"	"	0.5	mg/kg
Zinc, Zn	66.3	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	0.027	1	H16050502	5/5/2016	5/9/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/10/2016
JEL Ref. No.: ST-9288
Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front St.
Burbank, CA

Date Sampled: 5/4/2016
Date Received: 5/4/2016
Date Analyzed: 5/9-10/2016
Physical State: Soil

Sample ID: A3-1' **JEL ID:** ST-9288-11

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16050501	5/5/2016	5/9/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	91.9	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	5.6	1	"	"	"	0.5	mg/kg
Chromium, Cr	10.3	1	"	"	"	0.5	mg/kg
Copper, Cu	1980	10	"	"	5/10/2016	5.0	mg/kg
Molybdenum, Mo	ND	1	"	"	5/9/2016	0.5	mg/kg
Nickel, Ni	13.4	1	"	"	"	0.5	mg/kg
Lead, Pb	26.1	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	28.9	1	"	"	"	0.5	mg/kg
Zinc, Zn	114	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	0.074	1	H16050502	5/5/2016	5/9/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/10/2016
JEL Ref. No.: ST-9288
Client Ref. No.: 11235.002

Attn: Robin Ferber

Date Sampled: 5/4/2016

Date Received: 5/4/2016

Project: SJ4 Burbank
Project Address: 777 N. Front St.
Burbank, CA

Date Analyzed: 5/9-10/2016

Physical State: Soil

Sample ID: A3-4.5'

JEL ID: ST-9288-12

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16050501	5/5/2016	5/9/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	218	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	18.3	1	"	"	"	0.5	mg/kg
Chromium, Cr	32.9	1	"	"	"	0.5	mg/kg
Copper, Cu	48.8	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	24.1	1	"	"	"	0.5	mg/kg
Lead, Pb	3.4	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	70.4	1	"	"	"	0.5	mg/kg
Zinc, Zn	72.5	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	ND	1	H16050502	5/5/2016	5/9/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/10/2016
JEL Ref. No.: ST-9288
Client Ref. No.: 11235.002

Attn: Robin Ferber

Date Sampled: 5/4/2016

Date Received: 5/4/2016

Project: SJ4 Burbank
Project Address: 777 N. Front St.
Burbank, CA

Date Analyzed: 5/9-10/2016

Physical State: Soil

Sample ID: A3-8.5'

JEL ID: ST-9288-13

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16050501	5/5/2016	5/9/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	231	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	18.6	1	"	"	"	0.5	mg/kg
Chromium, Cr	33.3	1	"	"	"	0.5	mg/kg
Copper, Cu	37.9	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	24.2	1	"	"	"	0.5	mg/kg
Lead, Pb	2.8	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	70.4	1	"	"	"	0.5	mg/kg
Zinc, Zn	76.8	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	ND	1	H16050502	5/5/2016	5/9/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/10/2016
JEL Ref. No.: ST-9288
Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front St.
Burbank, CA

Date Sampled: 5/4/2016
Date Received: 5/4/2016
Date Analyzed: 5/9-10/2016
Physical State: Soil

Sample ID: A3-8.5'-D **JEL ID:** ST-9288-14

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16050501	5/5/2016	5/9/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	84.5	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	3.7	1	"	"	"	0.5	mg/kg
Chromium, Cr	11.5	1	"	"	"	0.5	mg/kg
Copper, Cu	7.5	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	2.7	1	"	"	"	0.5	mg/kg
Nickel, Ni	2.4	1	"	"	"	0.5	mg/kg
Lead, Pb	ND	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	16.8	1	"	"	"	0.5	mg/kg
Zinc, Zn	43.9	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	ND	1	H16050502	5/5/2016	5/9/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/10/2016
JEL Ref. No.: ST-9288
Client Ref. No.: 11235.002

Attn: Robin Ferber

Date Sampled: 5/4/2016

Project: SJ4 Burbank
Project Address: 777 N. Front St.
Burbank, CA

Date Received: 5/4/2016
Date Analyzed: 5/9-10/2016
Physical State: Soil

Sample ID: A3-14.5' **JEL ID:** ST-9288-15

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16050501	5/5/2016	5/9/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	126	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	12.0	1	"	"	"	0.5	mg/kg
Chromium, Cr	23.3	1	"	"	"	0.5	mg/kg
Copper, Cu	31.0	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	14.7	1	"	"	"	0.5	mg/kg
Lead, Pb	2.3	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	52.5	1	"	"	"	0.5	mg/kg
Zinc, Zn	56.2	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	ND	1	H16050502	5/5/2016	5/9/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/10/2016
JEL Ref. No.: ST-9288
Client Ref. No.: 11235.002

Attn: Robin Ferber

Date Sampled: 5/4/2016

Date Received: 5/4/2016

Project: SJ4 Burbank
Project Address: 777 N. Front St.
Burbank, CA

Date Analyzed: 5/9-10/2016

Physical State: Soil

Sample ID: A3-20.5'

JEL ID: ST-9288-16

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16050501	5/5/2016	5/9/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	158	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	11.2	1	"	"	"	0.5	mg/kg
Chromium, Cr	21.8	1	"	"	"	0.5	mg/kg
Copper, Cu	27.0	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	14.1	1	"	"	"	0.5	mg/kg
Lead, Pb	2.0	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	48.8	1	"	"	"	0.5	mg/kg
Zinc, Zn	50.3	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	ND	1	H16050502	5/5/2016	5/9/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Leighton & Associates, Inc.	Report date:	5/10/2016
Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	ST-9288
		Client Ref. No.:	11235.002
Attn:	Robin Ferber	Date Sampled:	5/4/2016
		Date Received:	5/4/2016
Project:	SJ4 Burbank	Date Analyzed:	5/9-10/2016
Project Address:	777 N. Front St. Burbank, CA	Physical State:	Soil

Sample ID: A4-1' **JEL ID:** ST-9288-17

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16050502	5/5/2016	5/9/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	109	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	6.9	1	"	"	"	0.5	mg/kg
Chromium, Cr	5.2	1	"	"	"	0.5	mg/kg
Copper, Cu	509	10	"	"	5/10/2016	5.0	mg/kg
Molybdenum, Mo	ND	1	"	"	5/9/2016	0.5	mg/kg
Nickel, Ni	6.1	1	"	"	"	0.5	mg/kg
Lead, Pb	14.8	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	38.2	1	"	"	"	0.5	mg/kg
Zinc, Zn	108	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	0.130	1	H16050502	5/5/2016	5/9/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/10/2016
JEL Ref. No.: ST-9288
Client Ref. No.: 11235.002

Attn: Robin Ferber

Date Sampled: 5/4/2016

Project: SJ4 Burbank
Project Address: 777 N. Front St.
Burbank, CA

Date Received: 5/4/2016
Date Analyzed: 5/9-10/2016
Physical State: Soil

Sample ID: A4-4.5' **JEL ID:** ST-9288-18

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16050502	5/5/2016	5/9/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	97.4	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	8.6	1	"	"	"	0.5	mg/kg
Chromium, Cr	16.4	1	"	"	"	0.5	mg/kg
Copper, Cu	20.3	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	11.3	1	"	"	"	0.5	mg/kg
Lead, Pb	0.8	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	37.0	1	"	"	"	0.5	mg/kg
Zinc, Zn	39.7	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	ND	1	H16050502	5/5/2016	5/9/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/10/2016
JEL Ref. No.: ST-9288
Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front St.
Burbank, CA

Date Sampled: 5/4/2016
Date Received: 5/4/2016
Date Analyzed: 5/9-10/2016
Physical State: Soil

Sample ID: A4-8.5' **JEL ID:** ST-9288-19

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16050502	5/5/2016	5/9/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	88.5	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	6.3	1	"	"	"	0.5	mg/kg
Chromium, Cr	13.9	1	"	"	"	0.5	mg/kg
Copper, Cu	16.1	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	7.6	1	"	"	"	0.5	mg/kg
Lead, Pb	0.8	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	31.8	1	"	"	"	0.5	mg/kg
Zinc, Zn	307	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	ND	1	H16050502	5/5/2016	5/9/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Leighton & Associates, Inc.	Report date:	5/10/2016
Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	ST-9288
		Client Ref. No.:	11235.002
Attn:	Robin Ferber	Date Sampled:	5/4/2016
		Date Received:	5/4/2016
Project:	SJ4 Burbank	Date Analyzed:	5/9-10/2016
Project Address:	777 N. Front St. Burbank, CA	Physical State:	Soil

Sample ID: A4-14.5' **JEL ID:** ST-9288-20

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16050502	5/5/2016	5/9/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	99.5	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	7.9	1	"	"	"	0.5	mg/kg
Chromium, Cr	15.4	1	"	"	"	0.5	mg/kg
Copper, Cu	13.8	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	8.8	1	"	"	"	0.5	mg/kg
Lead, Pb	1.2	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	34.5	1	"	"	"	0.5	mg/kg
Zinc, Zn	41.5	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	ND	1	H16050502	5/5/2016	5/9/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/10/2016
JEL Ref. No.: ST-9288
Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front St.
Burbank, CA

Date Sampled: 5/4/2016
Date Received: 5/4/2016
Date Analyzed: 5/9-10/2016
Physical State: Soil

Sample ID: A4-20.5' **JEL ID:** ST-9288-21

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16050502	5/5/2016	5/9/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	133	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	11.1	1	"	"	"	0.5	mg/kg
Chromium, Cr	20.0	1	"	"	"	0.5	mg/kg
Copper, Cu	23.9	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	14.4	1	"	"	"	0.5	mg/kg
Lead, Pb	1.9	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	46.2	1	"	"	"	0.5	mg/kg
Zinc, Zn	49.7	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	ND	1	H16050502	5/5/2016	5/9/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/10/2016
JEL Ref. No.: ST-9288
Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front St.
Burbank, CA

Date Sampled: 5/4/2016
Date Received: 5/4/2016
Date Analyzed: 5/9-10/2016
Physical State: Soil

Sample ID: B1-1' **JEL ID:** ST-9288-22

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16050502	5/5/2016	5/9/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	151	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	11.9	1	"	"	"	0.5	mg/kg
Chromium, Cr	21.4	1	"	"	"	0.5	mg/kg
Copper, Cu	27.0	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	15.3	1	"	"	"	0.5	mg/kg
Lead, Pb	6.8	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	47.2	1	"	"	"	0.5	mg/kg
Zinc, Zn	64.7	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	0.020	1	H16050502	5/5/2016	5/9/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/10/2016
JEL Ref. No.: ST-9288
Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front St.
Burbank, CA

Date Sampled: 5/4/2016
Date Received: 5/4/2016
Date Analyzed: 5/9-10/2016
Physical State: Soil

Sample ID: B1-4.5' **JEL ID:** ST-9288-23

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16050502	5/5/2016	5/9/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	128	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	10.4	1	"	"	"	0.5	mg/kg
Chromium, Cr	20.1	1	"	"	"	0.5	mg/kg
Copper, Cu	22.9	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	14.1	1	"	"	"	0.5	mg/kg
Lead, Pb	5.5	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	42.9	1	"	"	"	0.5	mg/kg
Zinc, Zn	55.2	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	0.037	1	H16050502	5/5/2016	5/9/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/10/2016
JEL Ref. No.: ST-9288
Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front St.
Burbank, CA

Date Sampled: 5/4/2016
Date Received: 5/4/2016
Date Analyzed: 5/9-10/2016
Physical State: Soil

Sample ID: B1-8.5' **JEL ID:** ST-9288-24

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16050502	5/5/2016	5/9/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	156	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	14.0	1	"	"	"	0.5	mg/kg
Chromium, Cr	27.3	1	"	"	"	0.5	mg/kg
Copper, Cu	24.6	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	17.9	1	"	"	"	0.5	mg/kg
Lead, Pb	6.5	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	57.5	1	"	"	"	0.5	mg/kg
Zinc, Zn	63.2	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	0.050	1	H16050502	5/5/2016	5/9/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/10/2016
JEL Ref. No.: ST-9288
Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front St.
Burbank, CA

Date Sampled: 5/4/2016
Date Received: 5/4/2016
Date Analyzed: 5/9-10/2016
Physical State: Soil

Sample ID: B1-14.5' **JEL ID:** ST-9288-25

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16050502	5/5/2016	5/9/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	180	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	15.5	1	"	"	"	0.5	mg/kg
Chromium, Cr	29.2	1	"	"	"	0.5	mg/kg
Copper, Cu	38.0	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	19.9	1	"	"	"	0.5	mg/kg
Lead, Pb	5.0	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	61.4	1	"	"	"	0.5	mg/kg
Zinc, Zn	72.6	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	0.081	1	H16050502	5/5/2016	5/9/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/10/2016
JEL Ref. No.: ST-9288
Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front St.
Burbank, CA

Date Sampled: 5/4/2016
Date Received: 5/4/2016
Date Analyzed: 5/9-10/2016
Physical State: Soil

Sample ID: B1-20.5' **JEL ID:** ST-9288-26

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16050502	5/5/2016	5/9/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	146	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	12.9	1	"	"	"	0.5	mg/kg
Chromium, Cr	20.8	1	"	"	"	0.5	mg/kg
Copper, Cu	31.0	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	15.6	1	"	"	"	0.5	mg/kg
Lead, Pb	4.9	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	48.8	1	"	"	"	0.5	mg/kg
Zinc, Zn	58.6	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	0.071	1	H16050601	5/6/2016	5/9/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/10/2016
JEL Ref. No.: ST-9288
Client Ref. No.: 11235.002

Attn: Robin Ferber

Date Sampled: 5/4/2016

Date Received: 5/4/2016

Project: SJ4 Burbank
Project Address: 777 N. Front St.
Burbank, CA

Date Analyzed: 5/9-10/2016

Physical State: Soil

Sample ID: B3-1' **JEL ID:** ST-9288-27

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16050502	5/5/2016	5/9/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	163	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	12.9	1	"	"	"	0.5	mg/kg
Chromium, Cr	23.1	1	"	"	"	0.5	mg/kg
Copper, Cu	145	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	17.6	1	"	"	"	0.5	mg/kg
Lead, Pb	19.1	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	51.7	1	"	"	"	0.5	mg/kg
Zinc, Zn	136	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	0.033	1	H16050601	5/6/2016	5/9/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/10/2016
JEL Ref. No.: ST-9288
Client Ref. No.: 11235.002

Attn: Robin Ferber

Date Sampled: 5/4/2016

Project: SJ4 Burbank
Project Address: 777 N. Front St.
Burbank, CA

Date Received: 5/4/2016
Date Analyzed: 5/9-10/2016
Physical State: Soil

Sample ID: B3-4.5' **JEL ID:** ST-9288-28

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16050502	5/5/2016	5/9/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	136	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	12.2	1	"	"	"	0.5	mg/kg
Chromium, Cr	23.7	1	"	"	"	0.5	mg/kg
Copper, Cu	34.5	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	17.5	1	"	"	"	0.5	mg/kg
Lead, Pb	2.1	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	49.4	1	"	"	"	0.5	mg/kg
Zinc, Zn	54.3	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	ND	1	H16050601	5/6/2016	5/9/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Leighton & Associates, Inc.	Report date:	5/10/2016
Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	ST-9288
		Client Ref. No.:	11235.002
Attn:	Robin Ferber	Date Sampled:	5/4/2016
		Date Received:	5/4/2016
Project:	SJ4 Burbank	Date Analyzed:	5/9-10/2016
Project Address:	777 N. Front St. Burbank, CA	Physical State:	Soil

Sample ID: B3-8.5' **JEL ID:** ST-9288-29

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16050502	5/5/2016	5/9/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	122	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	10.3	1	"	"	"	0.5	mg/kg
Chromium, Cr	19.8	1	"	"	"	0.5	mg/kg
Copper, Cu	19.7	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	12.8	1	"	"	"	0.5	mg/kg
Lead, Pb	2.6	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	46.0	1	"	"	"	0.5	mg/kg
Zinc, Zn	43.4	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	ND	1	H16050502	5/5/2016	5/9/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/10/2016
JEL Ref. No.: ST-9288
Client Ref. No.: 11235.002

Attn: Robin Ferber

Date Sampled: 5/4/2016

Project: SJ4 Burbank
Project Address: 777 N. Front St.
Burbank, CA

Date Received: 5/4/2016
Date Analyzed: 5/9-10/2016
Physical State: Soil

Sample ID: B3-14.5' **JEL ID:** ST-9288-30

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16050502	5/5/2016	5/9/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	173	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	14.9	1	"	"	"	0.5	mg/kg
Chromium, Cr	26.8	1	"	"	"	0.5	mg/kg
Copper, Cu	33.4	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	18.7	1	"	"	"	0.5	mg/kg
Lead, Pb	2.9	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	58.4	1	"	"	"	0.5	mg/kg
Zinc, Zn	65.1	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	ND	1	H16050601	5/6/2016	5/9/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/10/2016
JEL Ref. No.: ST-9288
Client Ref. No.: 11235.002

Attn: Robin Ferber

Date Sampled: 5/4/2016

Date Received: 5/4/2016

Project: SJ4 Burbank
Project Address: 777 N. Front St.
Burbank, CA

Date Analyzed: 5/9-10/2016

Physical State: Soil

Sample ID: B3-20.5'

JEL ID: ST-9288-31

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16050502	5/5/2016	5/9/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	130	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	11.1	1	"	"	"	0.5	mg/kg
Chromium, Cr	18.5	1	"	"	"	0.5	mg/kg
Copper, Cu	28.0	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	12.8	1	"	"	"	0.5	mg/kg
Lead, Pb	3.7	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	43.1	1	"	"	"	0.5	mg/kg
Zinc, Zn	52.4	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	0.039	1	H16050601	5/6/2016	5/9/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Leighton & Associates, Inc.	Report date:	5/10/2016
Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	ST-9288
		Client Ref. No.:	11235.002
Attn:	Robin Ferber	Date Sampled:	5/4/2016
		Date Received:	5/4/2016
Project:	SJ4 Burbank	Date Analyzed:	5/9-10/2016
Project Address:	777 N. Front St. Burbank, CA	Physical State:	Soil

Sample ID: B4-1' **JEL ID:** ST-9288-32

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16050502	5/5/2016	5/9/2016	0.5	mg/kg
Arsenic, As	2.3	1	"	"	"	0.5	mg/kg
Barium, Ba	182	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	0.8	1	"	"	"	0.5	mg/kg
Cobalt, Co	11.7	1	"	"	"	0.5	mg/kg
Chromium, Cr	25.9	1	"	"	"	0.5	mg/kg
Copper, Cu	133	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	19.7	1	"	"	"	0.5	mg/kg
Lead, Pb	108	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	44.3	1	"	"	"	0.5	mg/kg
Zinc, Zn	1580	10	"	"	5/10/2016	5.0	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	0.027	1	H16050601	5/6/2016	5/9/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/10/2016
JEL Ref. No.: ST-9288
Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front St.
Burbank, CA

Date Sampled: 5/4/2016
Date Received: 5/4/2016
Date Analyzed: 5/9-10/2016
Physical State: Soil

Sample ID: B4-4.5' **JEL ID:** ST-9288-33

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16050502	5/5/2016	5/9/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	151	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	13.7	1	"	"	"	0.5	mg/kg
Chromium, Cr	26.4	1	"	"	"	0.5	mg/kg
Copper, Cu	32.3	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	17.7	1	"	"	"	0.5	mg/kg
Lead, Pb	2.7	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	58.8	1	"	"	"	0.5	mg/kg
Zinc, Zn	880	10	"	"	5/10/2016	5.0	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	ND	1	H16050502	5/5/2016	5/9/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/10/2016
JEL Ref. No.: ST-9288
Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front St.
Burbank, CA

Date Sampled: 5/4/2016
Date Received: 5/4/2016
Date Analyzed: 5/9-10/2016
Physical State: Soil

Sample ID: B4-8.5' **JEL ID:** ST-9288-34

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16050502	5/5/2016	5/9/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	91.6	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	8.0	1	"	"	"	0.5	mg/kg
Chromium, Cr	14.5	1	"	"	"	0.5	mg/kg
Copper, Cu	15.1	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	9.2	1	"	"	"	0.5	mg/kg
Lead, Pb	0.7	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	37.2	1	"	"	"	0.5	mg/kg
Zinc, Zn	38.2	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	ND	1	H16050601	5/6/2016	5/9/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Leighton & Associates, Inc.	Report date:	5/10/2016
Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	ST-9288
		Client Ref. No.:	11235.002
Attn:	Robin Ferber	Date Sampled:	5/4/2016
		Date Received:	5/4/2016
Project:	SJ4 Burbank	Date Analyzed:	5/9-10/2016
Project Address:	777 N. Front St. Burbank, CA	Physical State:	Soil

Sample ID: B4-14.5' **JEL ID:** ST-9288-35

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16050502	5/5/2016	5/9/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	138	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	13.2	1	"	"	"	0.5	mg/kg
Chromium, Cr	22.2	1	"	"	"	0.5	mg/kg
Copper, Cu	23.0	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	14.1	1	"	"	"	0.5	mg/kg
Lead, Pb	3.3	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	48.0	1	"	"	"	0.5	mg/kg
Zinc, Zn	54.6	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	ND	1	H16050601	5/6/2016	5/9/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/10/2016
JEL Ref. No.: ST-9288
Client Ref. No.: 11235.002

Attn: Robin Ferber

Project: SJ4 Burbank
Project Address: 777 N. Front St.
Burbank, CA

Date Sampled: 5/4/2016
Date Received: 5/4/2016
Date Analyzed: 5/9-10/2016
Physical State: Soil

Sample ID: B4-20.5' **JEL ID:** ST-9288-36

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16050502	5/5/2016	5/9/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	176	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	15.5	1	"	"	"	0.5	mg/kg
Chromium, Cr	28.2	1	"	"	"	0.5	mg/kg
Copper, Cu	35.4	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	19.7	1	"	"	"	0.5	mg/kg
Lead, Pb	3.8	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	62.8	1	"	"	"	0.5	mg/kg
Zinc, Zn	68.5	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	0.030	1	H16050601	5/6/2016	5/9/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Leighton & Associates, Inc.	Report date:	5/10/2016
Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	ST-9288
		Client Ref. No.:	11235.002
Attn:	Robin Ferber	Date Sampled:	5/4/2016
		Date Received:	5/4/2016
Project:	SJ4 Burbank	Date Analyzed:	5/9-10/2016
Project Address:	777 N. Front St. Burbank, CA	Physical State:	Soil

Sample ID: B4-4.5D **JEL ID:** ST-9288-37

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16050601	5/6/2016	5/9/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	97.6	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	5.8	1	"	"	"	0.5	mg/kg
Chromium, Cr	6.7	1	"	"	"	0.5	mg/kg
Copper, Cu	20.6	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	3.5	1	"	"	"	0.5	mg/kg
Lead, Pb	0.8	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	29.2	1	"	"	"	0.5	mg/kg
Zinc, Zn	233	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	ND	1	H16050601	5/6/2016	5/9/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/10/2016
JEL Ref. No.: ST-9288
Client Ref. No.: 11235.002

Attn: Robin Ferber

Date Sampled: 5/4/2016

Date Received: 5/4/2016

Project: SJ4 Burbank
Project Address: 777 N. Front St.
Burbank, CA

Date Analyzed: 5/9-10/2016

Physical State: Soil

Sample ID: B5-1' **JEL ID:** ST-9288-38

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16050601	5/6/2016	5/9/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	66.2	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	10.4	1	"	"	"	0.5	mg/kg
Chromium, Cr	16.4	1	"	"	"	0.5	mg/kg
Copper, Cu	10.7	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	8.7	1	"	"	"	0.5	mg/kg
Lead, Pb	ND	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	27.4	1	"	"	"	0.5	mg/kg
Zinc, Zn	37.6	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	0.038	1	H16050601	5/6/2016	5/9/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/10/2016
JEL Ref. No.: ST-9288
Client Ref. No.: 11235.002

Attn: Robin Ferber

Date Sampled: 5/4/2016

Project: SJ4 Burbank
Project Address: 777 N. Front St.
Burbank, CA

Date Received: 5/4/2016
Date Analyzed: 5/9-10/2016
Physical State: Soil

Sample ID: B5-4.5' **JEL ID:** ST-9288-39

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16050601	5/6/2016	5/9/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	215	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	10.6	1	"	"	"	0.5	mg/kg
Chromium, Cr	16.2	1	"	"	"	0.5	mg/kg
Copper, Cu	17.2	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	11.1	1	"	"	"	0.5	mg/kg
Lead, Pb	1.1	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	45.0	1	"	"	"	0.5	mg/kg
Zinc, Zn	45.4	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	0.047	1	H16050601	5/6/2016	5/9/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/10/2016
JEL Ref. No.: ST-9288
Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front St.
Burbank, CA

Date Sampled: 5/4/2016
Date Received: 5/4/2016
Date Analyzed: 5/9-10/2016
Physical State: Soil

Sample ID: B5-8.5' **JEL ID:** ST-9288-40

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16050601	5/6/2016	5/9/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	162	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	13.8	1	"	"	"	0.5	mg/kg
Chromium, Cr	25.3	1	"	"	"	0.5	mg/kg
Copper, Cu	28.0	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	18.1	1	"	"	"	0.5	mg/kg
Lead, Pb	2.4	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	52.9	1	"	"	"	0.5	mg/kg
Zinc, Zn	56.8	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	ND	1	H16050601	5/6/2016	5/9/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/10/2016
JEL Ref. No.: ST-9288
Client Ref. No.: 11235.002

Attn: Robin Ferber

Date Sampled: 5/4/2016

Project: SJ4 Burbank
Project Address: 777 N. Front St.
Burbank, CA

Date Received: 5/4/2016
Date Analyzed: 5/9-10/2016
Physical State: Soil

Sample ID: B5-14.5' **JEL ID:** ST-9288-41

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16050601	5/6/2016	5/9/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	168	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	15.1	1	"	"	"	0.5	mg/kg
Chromium, Cr	25.0	1	"	"	"	0.5	mg/kg
Copper, Cu	28.4	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	17.2	1	"	"	"	0.5	mg/kg
Lead, Pb	2.3	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	57.6	1	"	"	"	0.5	mg/kg
Zinc, Zn	62.0	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	ND	1	H16050601	5/6/2016	5/9/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/10/2016
JEL Ref. No.: ST-9288
Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front St.
Burbank, CA

Date Sampled: 5/4/2016
Date Received: 5/4/2016
Date Analyzed: 5/9-10/2016
Physical State: Soil

Sample ID: B5-20.5' **JEL ID:** ST-9288-42

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16050601	5/6/2016	5/9/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	178	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	16.8	1	"	"	"	0.5	mg/kg
Chromium, Cr	29.4	1	"	"	"	0.5	mg/kg
Copper, Cu	35.0	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	20.2	1	"	"	"	0.5	mg/kg
Lead, Pb	3.4	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	64.2	1	"	"	"	0.5	mg/kg
Zinc, Zn	70.6	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	ND	1	H16050601	5/6/2016	5/9/2016	0.020	mg/kg

ND= Not Detected



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11007 FOREST PLACE
SANTA FE SPRINGS, CA 90670
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JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

Client:	Leighton & Associates, Inc.	Report date:	5/10/2016
Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	ST-9288
		Client Ref. No.:	10/4/1930
Attn:	Robin Ferber	Date Sampled:	5/4/2016
		Date Received:	5/4/2016
Project:	SJ4 Burbank	Date Analyzed:	5/9-10/2016
Project Address:	777 N. Front St. Burbank, CA	Physical State:	Soil

BATCH: I16050501 **Prepared:** 5/5/2016 **Analyzed:** 5/9/2016

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	Result	Spike Level	% REC	% REC Limits	% RPD	Practical Quantitation Limit	Units
METHOD BLANK:	I160505-BLK1						
Analytes:							
Silver, Ag	ND					0.5	mg/kg
Arsenic, As	ND					0.5	mg/kg
Barium, Ba	ND					0.5	mg/kg
Beryllium, Be	ND					0.5	mg/kg
Cadmium, Cd	ND					0.5	mg/kg
Cobalt, Co	ND					0.5	mg/kg
Chromium, Cr	ND					0.5	mg/kg
Copper, Cu	ND					0.5	mg/kg
Molybdenum, Mo	ND					0.5	mg/kg
Nickel, Ni	ND					0.5	mg/kg
Lead, Pb	ND					0.5	mg/kg
Antimony, Sb	ND					0.5	mg/kg
Selenium, Se	ND					0.5	mg/kg
Thallium, Tl	ND					0.5	mg/kg
Vanadium, V	ND					0.5	mg/kg
Zinc, Zn	ND					0.5	mg/kg

ND= Not Detected



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11007 FOREST PLACE
SANTA FE SPRINGS, CA 90670
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JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

Client:	Leighton & Associates, Inc.	Report date:	5/10/2016
Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	ST-9288
		Client Ref. No.:	10/4/1930
Attn:	Robin Ferber	Date Sampled:	5/4/2016
		Date Received:	5/4/2016
Project:	SJ4 Burbank	Date Analyzed:	5/9-10/2016
Project Address:	777 N. Front St. Burbank, CA	Physical State:	Soil

BATCH: I16050501 **Prepared:** 5/5/2016 **Analyzed:** 5/9/2016

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	Result	Spike Level	Source Result	% REC	% RPD	% REC Limits	Units
LCS: I160505-LCS1							
Barium, Ba	221	200	ND	110%		75 - 125	mg/kg
Cobalt, Co	57.2	50.0	ND	114%		75 - 125	mg/kg
Lead, Pb	56.5	50.0	ND	113%		75 - 125	mg/kg
Selenium, Se	194	200	ND	97%		75 - 125	mg/kg
Zinc, Zn	66.6	50.0	ND	133%		75 - 125	mg/kg
LCSD: I160505-LCSD1							
Barium, Ba	218	200	ND	109%	1.2%	75 - 125	mg/kg
Cobalt, Co	56.5	50.0	ND	113%	1.3%	75 - 125	mg/kg
Lead, Pb	56.7	50.0	ND	113%	0.4%	75 - 125	mg/kg
Selenium, Se	193	200	ND	97%	0.3%	75 - 125	mg/kg
Zinc, Zn	66.0	50.0	ND	132%	0.9%	75 - 125	mg/kg

ND= Not Detected

RPD = Relative Percent Difference; Acceptability range for RPD is $\leq 15\%$



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JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

Client:	Leighton & Associates, Inc.	Report date:	5/10/2016
Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	ST-9288
		Client Ref. No.:	10/4/1930
Attn:	Robin Ferber	Date Sampled:	5/4/2016
		Date Received:	5/4/2016
Project:	SJ4 Burbank	Date Analyzed:	5/9-10/2016
Project Address:	777 N. Front St. Burbank, CA	Physical State:	Soil

BATCH: I16050502 **Prepared:** 6/5/2016 **Analyzed:** 6/9/2016

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	Result	Spike Level	% REC	% REC Limits	% RPD	Practical Quantitation Limit	Units
METHOD BLANK:		I160505-BLK2					
Analytes:							
Silver, Ag	ND					0.5	mg/kg
Arsenic, As	ND					0.5	mg/kg
Barium, Ba	ND					0.5	mg/kg
Beryllium, Be	ND					0.5	mg/kg
Cadmium, Cd	ND					0.5	mg/kg
Cobalt, Co	ND					0.5	mg/kg
Chromium, Cr	ND					0.5	mg/kg
Copper, Cu	ND					0.5	mg/kg
Molybdenum, Mo	ND					0.5	mg/kg
Nickel, Ni	ND					0.5	mg/kg
Lead, Pb	ND					0.5	mg/kg
Antimony, Sb	ND					0.5	mg/kg
Selenium, Se	ND					0.5	mg/kg
Thallium, Tl	ND					0.5	mg/kg
Vanadium, V	ND					0.5	mg/kg
Zinc, Zn	ND					0.5	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

Client:	Leighton & Associates, Inc.	Report date:	5/10/2016
Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	ST-9288
		Client Ref. No.:	10/4/1930
Attn:	Robin Ferber	Date Sampled:	5/4/2016
		Date Received:	5/4/2016
Project:	SJ4 Burbank	Date Analyzed:	5/9-10/2016
Project Address:	777 N. Front St. Burbank, CA	Physical State:	Soil

BATCH: I16050502 **Prepared:** 6/5/2016 **Analyzed:** 6/9/2016

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	Result	Spike Level	Source Result	% REC	% RPD	% REC Limits	Units
LCS: I160505-LCS2							
Barium, Ba	211	200	ND	105%		75 - 125	mg/kg
Cobalt, Co	54.4	50.0	ND	109%		75 - 125	mg/kg
Lead, Pb	54.9	50.0	ND	110%		75 - 125	mg/kg
Selenium, Se	184	200	ND	92%		75 - 125	mg/kg
Zinc, Zn	61.7	50.0	ND	123%		75 - 125	mg/kg
LCSD: I160505-LCSD2							
Barium, Ba	219	200	ND	110%	3.9%	75 - 125	mg/kg
Cobalt, Co	57.1	50.0	ND	114%	4.8%	75 - 125	mg/kg
Lead, Pb	57.4	50.0	ND	115%	4.5%	75 - 125	mg/kg
Selenium, Se	196	200	ND	98%	6.1%	75 - 125	mg/kg
Zinc, Zn	61.7	50.0	ND	123%	0.0%	75 - 125	mg/kg

ND= Not Detected

RPD = Relative Percent Difference; Acceptability range for RPD is $\leq 15\%$



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JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

Client:	Leighton & Associates, Inc.	Report date:	5/10/2016
Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	ST-9288
		Client Ref. No.:	10/4/1930
Attn:	Robin Ferber	Date Sampled:	5/4/2016
		Date Received:	5/4/2016
Project:	SJ4 Burbank	Date Analyzed:	5/9-10/2016
Project Address:	777 N. Front St. Burbank, CA	Physical State:	Soil

BATCH: I16050601 **Prepared:** 5/6/2016 **Analyzed:** 5/9/2016

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	Result	Spike Level	% REC	% REC Limits	% RPD	Practical Quantitation Limit	Units
METHOD BLANK:	I160506-BLK1						
Analytes:							
Silver, Ag	ND					0.5	mg/kg
Arsenic, As	ND					0.5	mg/kg
Barium, Ba	ND					0.5	mg/kg
Beryllium, Be	ND					0.5	mg/kg
Cadmium, Cd	ND					0.5	mg/kg
Cobalt, Co	ND					0.5	mg/kg
Chromium, Cr	ND					0.5	mg/kg
Copper, Cu	ND					0.5	mg/kg
Molybdenum, Mo	ND					0.5	mg/kg
Nickel, Ni	ND					0.5	mg/kg
Lead, Pb	ND					0.5	mg/kg
Antimony, Sb	ND					0.5	mg/kg
Selenium, Se	ND					0.5	mg/kg
Thallium, Tl	ND					0.5	mg/kg
Vanadium, V	ND					0.5	mg/kg
Zinc, Zn	ND					0.5	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

Client:	Leighton & Associates, Inc.	Report date:	5/10/2016
Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	ST-9288
		Client Ref. No.:	10/4/1930
Attn:	Robin Ferber	Date Sampled:	5/4/2016
		Date Received:	5/4/2016
Project:	SJ4 Burbank	Date Analyzed:	5/9-10/2016
Project Address:	777 N. Front St. Burbank, CA	Physical State:	Soil

BATCH: I16050601 **Prepared:** 5/6/2016 **Analyzed:** 5/9/2016

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	Result	Spike Level	Source Result	% REC	% RPD	% REC Limits	Units
MATRIX SPIKE:			SAMPLE SPIKED:				
Barium, Ba	213	200	ND	106%		75 - 125	mg/kg
Cobalt, Co	56.9	50.0	ND	114%		75 - 125	mg/kg
Lead, Pb	55.3	50.0	ND	111%		75 - 125	mg/kg
Selenium, Se	186	200	ND	93%		75 - 125	mg/kg
Zinc, Zn	55.3	50.0	ND	111%		75 - 125	mg/kg
MATRIX SPIKE DUPLICATE:			SAMPLE SPIKED:				
Barium, Ba	219	200	ND	110%	3.0%	75 - 125	mg/kg
Cobalt, Co	58.4	50.0	ND	117%	2.6%	75 - 125	mg/kg
Lead, Pb	57.3	50.0	ND	115%	3.6%	75 - 125	mg/kg
Selenium, Se	194	200	ND	97%	3.9%	75 - 125	mg/kg
Zinc, Zn	56.0	50.0	ND	112%	1.2%	75 - 125	mg/kg

ND= Not Detected

RPD = Relative Percent Difference; Acceptability range for RPD is $\leq 15\%$



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JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

Client:	Leighton & Associates, Inc.	Report date:	5/10/2016
Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	ST-9288
		Client Ref. No.:	10/4/1930
Attn:	Robin Ferber	Date Sampled:	5/4/2016
		Date Received:	5/4/2016
Project:	SJ4 Burbank	Date Analyzed:	5/9-10/2016
Project Address:	777 N. Front St. Burbank, CA	Physical State:	Soil

BATCH: H16050601 **Prepared:** 5/6/2016 **Analyzed:** 5/9/2016

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	Result	Spike Level	Source Result	% REC	% RPD	% REC Limits	Units
METHOD BLANK:	H160506-BLK1						
Analytes:							
Mercury, Hg	ND						mg/kg
LCS:	H160506-LCS1						
Mercury, Hg	0.90	1.00	ND	90%		75 - 125	mg/kg
LCSD:	H160506-LCSD1						
Mercury, Hg	0.90	1.00	ND	90%	0.6%	75 - 125	mg/kg

ND= Not Detected

RPD = Relative Percent Difference; Acceptability range for RPD is $\leq 15\%$



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JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

Client:	Leighton & Associates, Inc.	Report date:	5/10/2016
Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	ST-9288
		Client Ref. No.:	10/4/1930
Attn:	Robin Ferber	Date Sampled:	5/4/2016
Project:	SJ4 Burbank	Date Received:	5/4/2016
Project Address:	777 N. Front St. Burbank, CA	Date Analyzed:	5/9-10/2016
		Physical State:	Soil

BATCH: H16050602 **Prepared:** 5/6/2016 **Analyzed:** 5/9/2016

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	Result	Spike Level	Source Result	% REC	% RPD	% REC Limits	Units
METHOD BLANK:	H160506-BLK2						
Analytes:							
Mercury, Hg	ND						mg/kg
LCS:	H160506-LCS2						
Mercury, Hg	0.86	1.00	ND	86%		75 - 125	mg/kg
LCSD:	H160506-LCSD2						
Mercury, Hg	0.86	1.00	ND	86%	0.2%	75 - 125	mg/kg

ND= Not Detected

RPD = Relative Percent Difference; Acceptability range for RPD is $\leq 15\%$



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JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

Client:	Leighton & Associates, Inc.	Report date:	5/10/2016
Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	ST-9288
		Client Ref. No.:	10/4/1930
Attn:	Robin Ferber	Date Sampled:	5/4/2016
		Date Received:	5/4/2016
Project:	SJ4 Burbank	Date Analyzed:	5/9-10/2016
Project Address:	777 N. Front St. Burbank, CA	Physical State:	Soil

BATCH: H16050502 **Prepared:** 5/5/2016 **Analyzed:** 5/9/2016

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	Result	Spike Level	Source Result	% REC	% RPD	% REC Limits	Units
METHOD BLANK:	H160505-BLK2						
Analytes:							
Mercury, Hg	ND						mg/kg
LCS:	H160505-LCS2						
Mercury, Hg	1.00	1.00	ND	100%		75 - 125	mg/kg
LCSD:	H160505-LCSD2						
Mercury, Hg	1.00	1.00	ND	100%	0.7%	75 - 125	mg/kg

ND= Not Detected

RPD = Relative Percent Difference; Acceptability range for RPD is $\leq 15\%$



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JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

Client:	Leighton & Associates, Inc.	Report date:	5/10/2016
Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	ST-9288
		Client Ref. No.:	10/4/1930
Attn:	Robin Ferber	Date Sampled:	5/4/2016
Project:	SJ4 Burbank	Date Received:	5/4/2016
Project Address:	777 N. Front St. Burbank, CA	Date Analyzed:	5/9-10/2016
		Physical State:	Soil

BATCH: H16050601 **Prepared:** 5/6/2016 **Analyzed:** 5/9/2016

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	Result	Spike Level	Source Result	% REC	% RPD	% REC Limits	Units
METHOD BLANK:	H160506-BLK1						
Analytes:							
Mercury, Hg	ND						mg/kg
LCS:	H160506-LCS1						
Mercury, Hg	0.90	1.00	ND	90%		75 - 125	mg/kg
LCSD:	H160506-LCSD1						
Mercury, Hg	0.90	1.00	ND	90%	0.7%	75 - 125	mg/kg

ND= Not Detected

RPD = Relative Percent Difference; Acceptability range for RPD is $\leq 15\%$



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Chain-of-Custody Record

JEL Project # ST-9288
Page 1 of 6
Lab Use Only
Sample Condition as Received: ☒ yes ☐ no
Chilled ☒ yes ☐ no
Sealed ☒ yes ☐ no

Client Leighen + Associates
Project Name 584 Burbank
Project Address 777 N. Front St., Burbank, CA
Project Contact Robin Fisher

Date 5-4-16
Client Project # 11235.600
Turn Around Requested: ☐ Immediate Attention ☐ Rush: ☐ 24 ☐ 48 ☐ 72 ☒ Normal ☐ Mobile Lab

SOIL GAS
Purge Number: ☐ 1P ☐ 3P ☐ 7P ☐ 10P
Purge Rate: cc/min
Shut in Test Y / N
Tracer: ☐ n-propanol ☐ n-pentane ☐ 1,1-DFA ☐ Helium ☐

Sample ID	Purge Number	Purge Volume	Date	Sample Collection Time	Sample Analysis Time	Laboratory Sample Number	Sample Matrix: Soil (S), Sludge (SL), Aqueous (A), Soil Gas (SG)	TPH-cc - EPA 8260B	VOCs - EPA 8260B	GM17 Met-ETM-6010/1471	Magnetic Vacuum (in-H ₂ O)	Number of Containers	Remarks/Special Instructions
A1-1'			5-4-16	0940		ST-9288-01	S	X	X	X		1	Acetate sleeve & terra cores
A1-4.5'				0945		ST-9288-02							
A1-8.5'				0950		ST-9288-03							
A1-14.5'				0955		ST-9288-04							
A1-20.5'				1000		ST-9288-05							
A2-1'				1100		ST-9288-06							
A2-4.5'				1123		ST-9288-07							
A2-8.5'				1125		ST-9288-08							
A2-14.5'				1129		ST-9288-09							
A2-20.5'				1132		ST-9288-10							

1 Relinquished by (signature) [Signature] Date 5-4-16 Time 1524
Company Wallace Scanlon

2 Received by (signature) [Signature] Date 5-4-16 Time 1524
Company Jones Environmental, Inc.

3 Relinquished by (signature) [Signature] Date 5-4-16 Time 1718
Company Jones Environmental

4 Received by Laboratory (signature) [Signature] Date 5-4-16 Time 1718
Company Jones Environmental

Total Number of Containers 40

The delivery of samples and the signature on this Chain of Custody form constitutes authorization to perform the analyses specified above under the Terms and Conditions set forth on the back hereof.

☐ EDD ☐ EDF



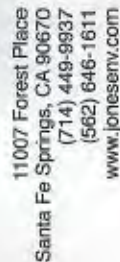
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Chain-of-Custody Record

Client	Legitim Associates		Date	5-1-16
Project Name	ST-4 Burbank		Client Project #	11235.002
Project Address	777N. Four Street, Burbank, CA			
Project Contact	Robin Fisher			
Turn Around Requested:		Tracer:		
☐ Immediate Attention		☐ n-propanol		
Rush:		☐ n-pentane		
☐ 24 ☐ 48 ☐ 72		☐ 1,1-DFA		
☒ Normal		☐ Helium		
☐ Mobile Lab				
SOIL GAS		Purge Number: ☐ 1P ☐ 3P ☐ 7P ☐ 10P		
Purge Rate: _____ cc/min		Shut in Test Y / N		

Sample ID	Purge Number	Purge Volume	Date	Sample Collection Time	Sample Analysis Time	Laboratory Sample Number	Sample Matrix: Soil (S), Sludge (SL), Aqueous (A), Soil Gas (SG)	TPH-EPA 8016	VOCs-EPA 8016	Analysis Requested	Number of Containers	Remarks/Special Instructions
A3-1'			5-4-16	1309		ST-9288-11	S	X	X	CAMIT Metals - 6016/7471	4	Acetate sleeve & tenacors
A3-4.5'				1313		ST-9288-12		X	X			
A3-8.5'				1317		ST-9288-13		X	X			
A3-8.5'-D				1317		ST-9288-14		X	X			
A3-14.5'				1320		ST-9288-15		X	X			
A3-20.5'				1323		ST-9288-16		X	X			
A4-1'				1358		ST-9288-17		X	X			
A4-4.5'				1408		ST-9288-18		X	X			
A4-8.5'				1410		ST-9288-19		X	X			
A4-14.5'				1412		ST-9288-20		X	X			
											40	

1 Relinquished by (signature)	2 Received by (signature)	Date	5/4/16	Total Number of Containers	
Company: Legitim Associates	Company: Jones Environmental, Inc.	Time	1524	The delivery of samples and the signature on this Chain of Custody form constitutes authorization to perform the analyses specified above under the Terms and Conditions set forth on the back hereof.	
3 Relinquished by (signature)	4 Received by Laboratory (signature)	Date	5/4/16		
Company: Jones Environmental, Inc.	Company: Jones Environmental, Inc.	Time	17:18		



Chain-of-Custody Record

[illegible]



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Chain-of-Custody Record

Client: Vigton				Date: 5/4/16				SOIL GAS				JEL Project #			
Project Name: SSU				Client Project # 11235				Purge Number: ☐ 1P ☐ 3P ☐ 7P ☐ 10P				ST-9288			
Project Address: 777 N Front				Turn Around Requested:				Purge Rate: 1 cc/min				Page 4 of 6			
Project Contact: Robin Felber				Rush: ☐ 24 ☐ 48 ☐ 72				Shut in Test: ☐ Y ☒ N				Lab Use Only			
				Immediate Attention				Tracer: ☐ n-propane ☐ n-pentane ☐ 1,1-DFA ☐ Helium				Sample Condition as Received: ☒ Chilled ☐ Yes ☐ No ☒ Sealed ☐ Yes ☐ No			
Sample ID	Purge Number	Purge Volume	Date	Sample Collection Time	Sample Analysis Time	Laboratory Sample Number	Sample Matrix: Soil (S), Sludge (SL), Aqueous (A), Soil Gas (SG)	8215M TPHcc	8260B VOCs	6610 metals	Magnetic Vacuum (mH ₂ O)	Number of Containers	Remarks/Special Instructions		
B1-1'			5/4/16	0920		ST-9288-22	S	X	X	X		4	Acetab sleeve + Torrance		
B1-4.5'				0933		ST-9288-23						4			
B1-8.5'				0947		ST-9288-24						4			
B1-14.5'				1001		ST-9288-25						4			
B1-20.5'				1010		ST-9288-26						4			
B3-1'				1130		ST-9288-27						4			
B3-4.5'				1135		ST-9288-28						4			
B3-8.5'				1141		ST-9288-29						4			
B3-14.5'				1147		ST-9288-30						4			
B3-20.5'				1153		ST-9288-31						4			
1 Relinquished by (signature) Shawn Allen				2 Received by (signature) [Signature]				Date: 5/4/16				Total Number of Containers			
Company: Jones Environmental, Inc.				Company: Jones Environmental, Inc.				Time: 1524							
3 Relinquished by (signature) [Signature]				4 Received by Laboratory (signature) [Signature]				Date: 5/4/16				The delivery of samples and the signature on this Chain of Custody form constitutes authorization to perform the analyses specified above under the Terms and Conditions set forth on the back hereof.			
Company: Jones Environmental, Inc.				Company: Jones Environmental, Inc.				Time: 1710				☐ EDD ☐ EDF			



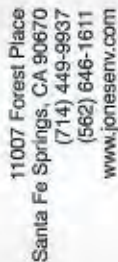
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Chain-of-Custody Record

Client: Wight		Date: 5/4/16		SOIL GAS Purge Number: ☐ 1P ☐ 3P ☐ 7P ☐ 10P Purge Rate: ☐ cc/min Shift in Test: ☐ Y ☐ N	
Project Name: 5254		Client Project #: 11235		Turn Around Requested: ☐ Immediate Attention Rush: ☐ 24 ☐ 48 ☐ 72 ☒ Normal ☐ Mobile Lab	
Project Address: 777 N Front					
Project Contact: Robin Feiber					

Sample ID	Purge Number	Purge Volume	Date	Sample Collection Time	Sample Analysis Time	Laboratory Sample Number	Sample Matrix: Soil (S), Sludge (SL), Aqueous (A), Soil Gas (SG)	Analysis Requested	Number of Containers	Remarks/Special Instructions
B4-1'			5/4/16	1300		ST-9288-32	X X X	8315m TPTHM 6300m B. rocks 4010 m. B. K	4	Acetate Sequester Inert
B4-4.5'				1306		ST-9288-33			4	
B4-8.5'				1309		ST-9288-34			4	
B4-14.5'				1313		ST-9288-35			4	
B4-20.5'				1318		ST-9288-36			4	
B4-41.5D				1306		ST-9288-37			4	
B5-1'				1404		ST-9288-38			4	
B5-4.5'				1410		ST-9288-39			4	
B5-8.5'				1416		ST-9288-40			4	
B5-14.5'				1425		ST-9288-41			4	
Relinquished by (signature) Heather Allen			Date: 5/4/16		Received by (signature) [Signature]		Date: 5/4/16		Total Number of Containers: 40	
Company: Jones Environmental, Inc.			Time: 1524		Company: Jones Environmental, Inc.		Time: 1524		The delivery of samples and the signature on this Chain of Custody form constitutes authorization to perform the analyses specified above under the Terms and Conditions set forth on the back hereof.	

Relinquished by (signature) [Signature]		Date: 5/4/16		Received by (signature) [Signature]		Date: 5/4/16	
Company: Jones Environmental, Inc.		Time: 1718		Company: JONES ENVIRONMENTAL		Time: 17:18	
☐ EDD ☐ EDF							



Chain-of-Custody Record

Client		Project Name		Project Address		Project Contact		Date		Turn Around Requested:		Tracer:		Purge Number:		SOIL GAS		Analysis Requested		JEL Project #	
Weighton		554		777 W. Front ST				5/4/16		☐ Immediate Attention ☐ Rush: ☐ 24 ☐ 48 ☐ 72 ☐ Normal ☐ Mobile Lab		☐ n-propanol ☐ n-pentane ☐ 1,1-DiA ☐ Helium		Purge Number: ☐ 1P ☐ 3P ☐ 7P ☐ 10P cc/min:		☐ 1P ☐ 3P ☐ 7P ☐ 10P cc/min:		Analysis Requested Magnetic Vacuum (mH ₂ O) Number of Containers		JEL Project # ST-9288 Page 6 of 6 Lab Use Only Sample Condition as Received: Chilled ☒ yes ☐ no Sealed ☒ yes ☐ no	
B5-20.5		1435		5/4/16		1435		5/4/16		1435		5/4/16		5/4/16		5/4/16		5/4/16		5/4/16	
B5-20.5		1435		5/4/16		1435		5/4/16		1435		5/4/16		5/4/16		5/4/16		5/4/16		5/4/16	
B5-20.5		1435		5/4/16		1435		5/4/16		1435		5/4/16		5/4/16		5/4/16		5/4/16		5/4/16	
B5-20.5		1435		5/4/16		1435		5/4/16		1435		5/4/16		5/4/16		5/4/16		5/4/16		5/4/16	
B5-20.5		1435		5/4/16		1435		5/4/16		1435		5/4/16		5/4/16		5/4/16		5/4/16		5/4/16	
B5-20.5		1435		5/4/16		1435		5/4/16		1435		5/4/16		5/4/16		5/4/16		5/4/16		5/4/16	
B5-20.5		1435		5/4/16		1435		5/4/16		1435		5/4/16		5/4/16		5/4/16		5/4/16		5/4/16	
B5-20.5		1435		5/4/16		1435		5/4/16		1435		5/4/16		5/4/16		5/4/16		5/4/16		5/4/16	
B5-20.5		1435		5/4/16		1435		5/4/16		1435		5/4/16		5/4/16		5/4/16		5/4/16		5/4/16	
B5-20.5		1435		5/4/16		1435		5/4/16		1435		5/4/16		5/4/16		5/4/16		5/4/16		5/4/16	
B5-20.5		1435		5/4/16		1435		5/4/16		1435		5/4/16		5/4/16		5/4/16		5/4/16		5/4/16	
B5-20.5		1435		5/4/16		1435		5/4/16		1435		5/4/16		5/4/16		5/4/16		5/4/16		5/4/16	
B5-20.5		1435		5/4/16		1435		5/4/16		1435		5/4/16		5/4/16		5/4/16		5/4/16		5/4/16	
B5-20.5		1435		5/4/16		1435		5/4/16		1435		5/4/16		5/4/16		5/4/16		5/4/16		5/4/16	
B5-20.5		1435		5/4/16		1435		5/4/16		1435		5/4/16		5/4/16		5/4/16		5/4/16		5/4/16	
B5-20.5		1435		5/4/16		1435		5/4/16		1435		5/4/16		5/4/16		5/4/16		5/4/16		5/4/16	
B5-20.5		1435		5/4/16		1435		5/4/16		1435		5/4/16		5/4/16		5/4/16		5/4/16		5/4/16	
B5-20.5		1435		5/4/16		1435		5/4/16		1435		5/4/16		5/4/16		5/4/16		5/4/16		5/4/16	
B5-20.5		1435		5/4/16		1435		5/4/16		1435		5/4/16		5/4/16		5/4/16		5/4/16		5/4/16	
B5-20.5		1435		5/4/16		1435		5/4/16		1435		5/4/16		5/4/16		5/4/16		5/4/16		5/4/16	
B5-20.5		1435		5/4/16		1435		5/4/16		1435		5/4/16		5/4/16		5/4					



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**JONES ENVIRONMENTAL
LABORATORY RESULTS**

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/12/2016
JEL Ref. No.: ST-9291
Client Ref. No: 11235.002

Attn: Robin Ferber

Date Sampled: 5/4/2016

Project: SJ4 Burbank
Project Address: 777 N. Front St.
Burbank, CA

Date Received: 5/5/2016

Date Analyzed: 5/5,6,9,12/2016

Physical State: Soil

ANALYSES REQUESTED

1. EPA 8015M – Semivolatile Hydrocarbons as Diesel & Oil
2. EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics
3. EPA 6010B by 3050B and EPA 7471A – CAM 17 Metals

Approval:

Steve Jones, Ph.D.
Laboratory Manager



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Leighton & Associates, Inc.	Report date:	5/12/2016
Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	ST-9291
		Client Ref No.:	11235.002
Attn:	Robin Ferber	Date Sampled:	5/4/2016
		Date Received:	5/5/2016
Project:	SJ4 Burbank	Date Analyzed:	5/9&12/2016
Project Address:	777 N. Front St. Burbank, CA	Physical State:	Soil

EPA 8015M – Semivolatile Hydrocarbons as Diesel & Oil

<u>Sample ID:</u>	B6-1'	B6-4.5'	B6-8.5'	B6-14.5'	B6-20.5'		
<u>JEL ID:</u>	ST-9291-01	ST-9291-02	ST-9291-03	ST-9291-04	ST-9291-05	<u>Practical Quantitation Limit</u>	<u>Units</u>
Carbon Chain Range							
Diesel Range Organics (C10-C28)	ND	ND	ND	ND	ND	10.0	mg/kg
Oil Range Organics (C29-C32)	ND	ND	ND	ND	ND	10.0	mg/kg
<u>Dilution Factor</u>	1	1	1	1	1		
<u>Surrogate Recovery:</u>						<u>QC Limits</u>	
Hexacosane	99%	87%	74%	87%	49%	30 - 120	
<u>Batch ID:</u>	8015_ 160506_01	8015_ 160506_01	8015_ 160509_01	8015_ 160506_01	8015_ 160506_01		

ND = Not Detected



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JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

Client:	Leighton & Associates, Inc.	Report date:	5/12/2016
Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	ST-9291
		Client Ref No.:	11235.002
Attn:	Robin Ferber	Date Sampled:	5/4/2016
Project:	SJ4 Burbank	Date Received:	5/5/2016
Project Address:	777 N. Front St. Burbank, CA	Date Analyzed:	5/9&12/2016
		Physical State:	Soil

EPA 8015M – Semivolatile Hydrocarbons as Diesel & Oil

<u>Sample ID:</u>	METHOD BLANK	METHOD BLANK	<u>Practical Quantitation Limit</u>	<u>Units</u>
<u>JEL ID:</u>	MB- 160506_01	MB- 160509_01		
Carbon Chain Range				
Diesel Range Organics (C10-C28)	ND	ND	10.0	mg/kg
Oil Range Organics (C29-C32)	ND	ND	10.0	mg/kg
<u>Dilution Factor</u>	1	1		
<u>Surrogate Recovery:</u>			<u>QC Limits</u>	
Hexacosane	92%	88%	30 - 120	
<u>Batch ID:</u>	8015_ 160506_01	8015_ 160509_01		

ND = Not Detected



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JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

Client:	Leighton & Associates, Inc.	Report date:	5/12/2016
Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	ST-9291
		Client Ref No.:	11235.002
Attn:	Robin Ferber	Date Sampled:	5/4/2016
		Date Received:	5/5/2016
Project:	SJ4 Burbank	Date Analyzed:	5/9&12/2016
Project Address:	777 N. Front St. Burbank, CA	Physical State:	Soil

BATCH: 8015_160506_01 **Prepared:** 5/6/2016 **Analyzed:** 5/12/2016

EPA 8015M – Semivolatile Hydrocarbons as Diesel & Oil

	Result	Spike Level	Source Result	% Recovery	% RPD	% Recovery Limits	Units
LCS:	LCS-160506_01	SAMPLE SPIKED:		CLEAN SOIL			
Analyte:							
Diesel	566	600	ND	94%		60 - 140	mg/kg
Surrogate Recovery:							
Hexacosane				101%		30 - 120	
LCSD:	LCSD-160506_01	SAMPLE SPIKED:		CLEAN SOIL			
Analyte:							
Diesel	538	600	ND	90%	5.1%	60 - 140	mg/kg
Surrogate Recoveries:							
Hexacosane				104%		30 - 120	

LCS = Laboratory Control Sample
RPD = Relative Percent Difference



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JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

Client:	Leighton & Associates, Inc.	Report date:	5/12/2016
Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	ST-9291
		Client Ref No.:	11235.002
Attn:	Robin Ferber	Date Sampled:	5/4/2016
		Date Received:	5/5/2016
Project:	SJ4 Burbank	Date Analyzed:	5/9&12/2016
Project Address:	777 N. Front St. Burbank, CA	Physical State:	Soil

BATCH: 8015_160509_01 **Prepared:** 5/9/2016 **Analyzed:** 5/9/2016

EPA 8015M – Semivolatile Hydrocarbons as Diesel & Oil

	Result	Spike Level	Source Result	% Recovery	% RPD	% Recovery Limits	Units
LCS:	LCS-160509_01	SAMPLE SPIKED:		CLEAN SOIL			
Analyte:							
Diesel	537	600	ND	90%		60 - 140	mg/kg
Surrogate Recovery:							
Hexacosane				90%		30 - 120	
LCSD:	LCSD-160509_01	SAMPLE SPIKED:		CLEAN SOIL			
Analyte:							
Diesel	524	600	ND	87%	2.5%	60 - 140	mg/kg
Surrogate Recoveries:							
Hexacosane				93%		30 - 120	

LCS = Laboratory Control Sample
RPD = Relative Percent Difference



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Leighton & Associates, Inc.	Report date:	5/12/2016
Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	ST-9291
		Client Ref. No.:	11235.002
Attn:	Robin Ferber	Date Sampled:	5/4/2016
		Date Received:	5/5/2016
Project:	SJ4 Burbank	Date Analyzed:	5/6/2016
Project Address:	777 N. Front St. Burbank, CA	Physical State:	Soil

EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

<u>Sample ID:</u>	B6-1'	B6-4.5'	B6-8.5'	B6-14.5'	B6-20.5'		
<u>JEL ID:</u>	ST-9291-01	ST-9291-02	ST-9291-03	ST-9291-04	ST-9291-05	<u>Practical Quantitation</u>	<u>Units</u>
<u>Analytes:</u>						<u>Limit</u>	
Benzene	ND	ND	ND	ND	ND	1.0	µg/kg
Bromobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Bromodichloromethane	ND	ND	ND	ND	ND	1.0	µg/kg
Bromoform	ND	ND	ND	ND	ND	1.0	µg/kg
n-Butylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
sec-Butylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
tert-Butylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Carbon tetrachloride	ND	ND	ND	ND	ND	1.0	µg/kg
Chlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Chloroform	ND	ND	ND	ND	ND	1.0	µg/kg
2-Chlorotoluene	ND	ND	ND	ND	ND	1.0	µg/kg
4-Chlorotoluene	ND	ND	ND	ND	ND	1.0	µg/kg
Dibromochloromethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	ND	1.0	µg/kg
Dibromomethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2- Dichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Dichlorodifluoromethane	ND	ND	ND	ND	ND	5.0	µg/kg
1,1-Dichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1-Dichloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,3-Dichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
2,2-Dichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1-Dichloropropene	ND	ND	ND	ND	ND	1.0	µg/kg

JONES ENVIRONMENTAL LABORATORY RESULTS

EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

<u>Sample ID:</u>	B6-1'	B6-4.5'	B6-8.5'	B6-14.5'	B6-20.5'		
<u>JEL ID:</u>	ST-9291-01	ST-9291-02	ST-9291-03	ST-9291-04	ST-9291-05	<u>Practical Quantitation</u>	<u>Units</u>
Analytes:						<u>Limit</u>	
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	1.0	µg/kg
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	1.0	µg/kg
Ethylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Freon 113	ND	ND	ND	ND	ND	5.0	µg/kg
Hexachlorobutadiene	ND	ND	ND	ND	ND	1.0	µg/kg
Isopropylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
4-Isopropyltoluene	ND	ND	ND	ND	ND	1.0	µg/kg
Methylene chloride	ND	ND	ND	ND	ND	1.0	µg/kg
Naphthalene	ND	ND	ND	ND	ND	1.0	µg/kg
n-Propylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Styrene	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
Tetrachloroethylene	28.7	33.1	22.1	9.1	8.8	1.0	µg/kg
Toluene	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
Trichloroethylene	ND	ND	ND	ND	ND	1.0	µg/kg
Trichlorofluoromethane	ND	ND	ND	ND	ND	5.0	µg/kg
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Vinyl chloride	ND	ND	ND	ND	ND	1.0	µg/kg
Xylenes	ND	ND	ND	ND	ND	1.0	µg/kg
MTBE	ND	ND	ND	ND	ND	5.0	µg/kg
Ethyl-tert-butylether	ND	ND	ND	ND	ND	5.0	µg/kg
Di-isopropylether	ND	ND	ND	ND	ND	5.0	µg/kg
tert-amylmethylether	ND	ND	ND	ND	ND	5.0	µg/kg
tert-Butylalcohol	ND	ND	ND	ND	ND	50.0	µg/kg
Gasoline Range Organics	ND	ND	ND	ND	ND	0.20	mg/kg
<u>Dilution Factor</u>	1	1	1	1	1		
Surrogate Recoveries:						<u>QC Limits</u>	
Dibromofluoromethane	110%	107%	108%	107%	109%	60 - 140	
Toluene-d ₈	100%	96%	101%	98%	100%	60 - 140	
4-Bromofluorobenzene	103%	103%	108%	105%	107%	60 - 140	
	VOC3-050616- CHECKS	VOC3-050616- CHECKS	VOC3-050616- CHECKS	VOC3-050616- CHECKS	VOC3-050616- CHECKS		

ND= Not Detected



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JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

Client:	Leighton & Associates, Inc.	Report date:	5/12/2016
Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	ST-9291
		Client Ref. No.:	11235.002
Attn:	Robin Ferber	Date Sampled:	5/4/2016
		Date Received:	5/5/2016
Project:	SJ4 Burbank	Date Analyzed:	5/6/2016
Project Address:	777 N. Front St. Burbank, CA	Physical State:	Soil

EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

Sample ID: METHOD
BLANK

JEL ID: ST-9291-06

		<u>Practical Quantitation</u>	<u>Units</u>
		<u>Limit</u>	
Analytes:			
Benzene	ND	1.0	µg/kg
Bromobenzene	ND	1.0	µg/kg
Bromodichloromethane	ND	1.0	µg/kg
Bromoform	ND	1.0	µg/kg
n-Butylbenzene	ND	1.0	µg/kg
sec-Butylbenzene	ND	1.0	µg/kg
tert-Butylbenzene	ND	1.0	µg/kg
Carbon tetrachloride	ND	1.0	µg/kg
Chlorobenzene	ND	1.0	µg/kg
Chloroform	ND	1.0	µg/kg
2-Chlorotoluene	ND	1.0	µg/kg
4-Chlorotoluene	ND	1.0	µg/kg
Dibromochloromethane	ND	1.0	µg/kg
1,2-Dibromo-3-chloropropane	ND	1.0	µg/kg
1,2-Dibromoethane (EDB)	ND	1.0	µg/kg
Dibromomethane	ND	1.0	µg/kg
1,2-Dichlorobenzene	ND	1.0	µg/kg
1,3-Dichlorobenzene	ND	1.0	µg/kg
1,4-Dichlorobenzene	ND	1.0	µg/kg
Dichlorodifluoromethane	ND	5.0	µg/kg
1,1-Dichloroethane	ND	1.0	µg/kg
1,2-Dichloroethane	ND	1.0	µg/kg
1,1-Dichloroethene	ND	1.0	µg/kg
cis-1,2-Dichloroethene	ND	1.0	µg/kg
trans-1,2-Dichloroethene	ND	1.0	µg/kg
1,2-Dichloropropane	ND	1.0	µg/kg
1,3-Dichloropropane	ND	1.0	µg/kg
2,2-Dichloropropane	ND	1.0	µg/kg
1,1-Dichloropropene	ND	1.0	µg/kg

JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

<u>Sample ID:</u>	METHOD		
	BLANK		
<u>JEL ID:</u>	ST-9291-06	<u>Practical</u>	<u>Units</u>
<u>Analytes:</u>		<u>Quantitation</u>	
		<u>Limit</u>	
cis-1,3-Dichloropropene	ND	1.0	µg/kg
trans-1,3-Dichloropropene	ND	1.0	µg/kg
Ethylbenzene	ND	1.0	µg/kg
Freon 113	ND	5.0	µg/kg
Hexachlorobutadiene	ND	1.0	µg/kg
Isopropylbenzene	ND	1.0	µg/kg
4-Isopropyltoluene	ND	1.0	µg/kg
Methylene chloride	ND	1.0	µg/kg
Naphthalene	ND	1.0	µg/kg
n-Propylbenzene	ND	1.0	µg/kg
Styrene	ND	1.0	µg/kg
1,1,1,2-Tetrachloroethane	ND	1.0	µg/kg
1,1,2,2-Tetrachloroethane	ND	1.0	µg/kg
Tetrachloroethylene	ND	1.0	µg/kg
Toluene	ND	1.0	µg/kg
1,2,3-Trichlorobenzene	ND	1.0	µg/kg
1,2,4-Trichlorobenzene	ND	1.0	µg/kg
1,1,1-Trichloroethane	ND	1.0	µg/kg
1,1,2-Trichloroethane	ND	1.0	µg/kg
Trichloroethylene	ND	1.0	µg/kg
Trichlorofluoromethane	ND	5.0	µg/kg
1,2,3-Trichloropropane	ND	1.0	µg/kg
1,2,4-Trimethylbenzene	ND	1.0	µg/kg
1,3,5-Trimethylbenzene	ND	1.0	µg/kg
Vinyl chloride	ND	1.0	µg/kg
Xylenes	ND	1.0	µg/kg
MTBE	ND	5.0	µg/kg
Ethyl-tert-butylether	ND	5.0	µg/kg
Di-isopropylether	ND	5.0	µg/kg
tert-amylmethylether	ND	5.0	µg/kg
tert-Butylalcohol	ND	50.0	µg/kg
Gasoline Range Organics	ND	0.20	mg/kg
<u>Dilution Factor</u>	1		
<u>Surrogate Recoveries:</u>		<u>QC Limits</u>	
Dibromofluoromethane	109%	60 - 140	
Toluene-d ₈	100%	60 - 140	
4-Bromofluorobenzene	104%	60 - 140	

VOC3-050616-
CHECKS

ND= Not Detected



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JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/12/2016
JEL Ref. No.: ST-9291
Client Ref. No.: 11235.002

Attn: Robin Ferber

Date Sampled: 5/4/2016

Date Received: 5/5/2016

Project: SJ4 Burbank
Project Address: 777 N. Front St.
Burbank, CA

Date Analyzed: 5/6/2016

Physical State: Soil

EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

Sample Spiked:		CLEAN SOIL		GC#: VOC3-050616-CHECKS		
JEL ID:	ST-9291-08	ST-9291-09			ST-9291-07	
Parameter	MS Recovery (%)	MSD Recovery (%)	RPD	Acceptability Range (%)	LCS	Acceptability Range (%)
Vinyl Chloride	95%	91%	5.0%	60 - 140	96%	70 - 130
1,1-Dichloroethylene	126%	117%	7.3%	60 - 140	135%	70 - 130
Cis-1,2-Dichloroethene	105%	103%	2.3%	70 - 130	112%	70 - 130
1,1,1-Trichloroethane	125%	116%	7.3%	70 - 130	133%	70 - 130
Benzene	115%	105%	9.0%	70 - 130	119%	70 - 130
Trichloroethylene	121%	114%	6.4%	70 - 130	128%	70 - 130
Toluene	94%	91%	4.0%	70 - 130	103%	70 - 130
Tetrachloroethene	105%	101%	4.3%	70 - 130	115%	70 - 130
Chlorobenzene	111%	107%	3.6%	70 - 130	118%	70 - 130
Ethylbenzene	95%	91%	4.7%	70 - 130	101%	70 - 130
1,2,4 Trimethylbenzene	92%	85%	8.1%	70 - 130	99%	70 - 130
Gasoline Range Organics	99%	93%	6.6%	70 - 130		
Surrogate Recovery:						
Dibromofluoromethane	63%	61%		60 - 140	60%	60 - 140
Toluene-d ₈	101%	97%		60 - 140	96%	60 - 140
4-Bromofluorobenzene	137%	132%		60 - 140	132%	60 - 140

MS = Matrix Spike

MSD = Matrix Spike Duplicate

RPD = Relative Percent Difference; Acceptability range for RPD is ≤ 15%



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/12/2016
JEL Ref. No.: ST-9291
Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front St.
Burbank, CA

Date Sampled: 5/4/2016
Date Received: 5/5/2016
Date Analyzed: 5/9/2016
Physical State: Soil

Sample ID: B6-1' **JEL ID:** ST-9291-01

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16050601	5/6/2016	5/9/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	153	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	13.5	1	"	"	"	0.5	mg/kg
Chromium, Cr	24.0	1	"	"	"	0.5	mg/kg
Copper, Cu	24.6	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	16.0	1	"	"	"	0.5	mg/kg
Lead, Pb	2.2	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	52.8	1	"	"	"	0.5	mg/kg
Zinc, Zn	58.2	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	ND	1	H16050602	5/6/2016	5/9/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/12/2016
JEL Ref. No.: ST-9291
Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front St.
Burbank, CA

Date Sampled: 5/4/2016
Date Received: 5/5/2016
Date Analyzed: 5/9/2016
Physical State: Soil

Sample ID: B6-4.5' **JEL ID:** ST-9291-02

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16050601	5/6/2016	5/9/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	125	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	10.1	1	"	"	"	0.5	mg/kg
Chromium, Cr	16.1	1	"	"	"	0.5	mg/kg
Copper, Cu	17.9	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	11.4	1	"	"	"	0.5	mg/kg
Lead, Pb	1.0	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	43.2	1	"	"	"	0.5	mg/kg
Zinc, Zn	41.1	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	0.044	1	H16050602	5/6/2016	5/9/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/12/2016
JEL Ref. No.: ST-9291
Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front St.
Burbank, CA

Date Sampled: 5/4/2016
Date Received: 5/5/2016
Date Analyzed: 5/9/2016
Physical State: Soil

Sample ID: B6-8.5' **JEL ID:** ST-9291-03

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16050601	5/6/2016	5/9/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	197	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	18.7	1	"	"	"	0.5	mg/kg
Chromium, Cr	31.8	1	"	"	"	0.5	mg/kg
Copper, Cu	37.9	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	23.6	1	"	"	"	0.5	mg/kg
Lead, Pb	5.1	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	67.3	1	"	"	"	0.5	mg/kg
Zinc, Zn	78.0	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	ND	1	H16050602	5/6/2016	5/9/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/12/2016
JEL Ref. No.: ST-9291
Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front St.
Burbank, CA

Date Sampled: 5/4/2016
Date Received: 5/5/2016
Date Analyzed: 5/9/2016
Physical State: Soil

Sample ID: B6-14.5' **JEL ID:** ST-9291-04

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16050601	5/6/2016	5/9/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	90.7	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	7.1	1	"	"	"	0.5	mg/kg
Chromium, Cr	10.9	1	"	"	"	0.5	mg/kg
Copper, Cu	11.9	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	6.8	1	"	"	"	0.5	mg/kg
Lead, Pb	ND	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	32.8	1	"	"	"	0.5	mg/kg
Zinc, Zn	32.9	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	ND	1	H16050602	5/6/2016	5/9/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/12/2016
JEL Ref. No.: ST-9291
Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front St.
Burbank, CA

Date Sampled: 5/4/2016
Date Received: 5/5/2016
Date Analyzed: 5/9/2016
Physical State: Soil

Sample ID: B6-20.5' **JEL ID:** ST-9291-05

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16050601	5/6/2016	5/9/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	194	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	18.4	1	"	"	"	0.5	mg/kg
Chromium, Cr	30.0	1	"	"	"	0.5	mg/kg
Copper, Cu	35.6	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	21.7	1	"	"	"	0.5	mg/kg
Lead, Pb	4.2	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	66.8	1	"	"	"	0.5	mg/kg
Zinc, Zn	67.6	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	ND	1	H16050602	5/6/2016	5/9/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

Client:	Leighton & Associates, Inc.	Report date:	5/12/2016
Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	ST-9291
		Client Ref. No.:	10/4/1930
Attn:	Robin Ferber	Date Sampled:	5/4/2016
		Date Received:	5/5/2016
Project:	SJ4 Burbank	Date Analyzed:	5/9/2016
Project Address:	777 N. Front St. Burbank, CA	Physical State:	Soil

BATCH: I16050601 **Prepared:** 5/6/2016 **Analyzed:** 5/9/2016

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	Result	Spike Level	% REC	% REC Limits	% RPD	Practical Quantitation Limit	Units
METHOD BLANK:		I160506-BLK1					
Analytes:							
Silver, Ag	ND					0.5	mg/kg
Arsenic, As	ND					0.5	mg/kg
Barium, Ba	ND					0.5	mg/kg
Beryllium, Be	ND					0.5	mg/kg
Cadmium, Cd	ND					0.5	mg/kg
Cobalt, Co	ND					0.5	mg/kg
Chromium, Cr	ND					0.5	mg/kg
Copper, Cu	ND					0.5	mg/kg
Molybdenum, Mo	ND					0.5	mg/kg
Nickel, Ni	ND					0.5	mg/kg
Lead, Pb	ND					0.5	mg/kg
Antimony, Sb	ND					0.5	mg/kg
Selenium, Se	ND					0.5	mg/kg
Thallium, Tl	ND					0.5	mg/kg
Vanadium, V	ND					0.5	mg/kg
Zinc, Zn	ND					0.5	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

Client:	Leighton & Associates, Inc.	Report date:	5/12/2016
Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	ST-9291
		Client Ref. No.:	10/4/1930
Attn:	Robin Ferber	Date Sampled:	5/4/2016
		Date Received:	5/5/2016
Project:	SJ4 Burbank	Date Analyzed:	5/9/2016
Project Address:	777 N. Front St. Burbank, CA	Physical State:	Soil

BATCH: I16050601 **Prepared:** 5/6/2016 **Analyzed:** 5/9/2016

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	Result	Spike Level	Source Result	% REC	% RPD	% REC Limits	Units
LCS: I160506-LCS1							
Barium, Ba	213	200	ND	106%		75 - 125	mg/kg
Cobalt, Co	56.9	50.0	ND	114%		75 - 125	mg/kg
Lead, Pb	55.3	50.0	ND	111%		75 - 125	mg/kg
Selenium, Se	186	200	ND	93%		75 - 125	mg/kg
Zinc, Zn	55.3	50.0	ND	111%		75 - 125	mg/kg
LCSD: I160506-LCSD1							
Barium, Ba	219	200	ND	110%	3.0%	75 - 125	mg/kg
Cobalt, Co	58.4	50.0	ND	117%	2.6%	75 - 125	mg/kg
Lead, Pb	57.3	50.0	ND	115%	3.6%	75 - 125	mg/kg
Selenium, Se	194	200	ND	97%	3.9%	75 - 125	mg/kg
Zinc, Zn	56.0	50.0	ND	112%	1.2%	75 - 125	mg/kg

ND= Not Detected

RPD = Relative Percent Difference; Acceptability range for RPD is $\leq 15\%$



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JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

Client:	Leighton & Associates, Inc.	Report date:	5/12/2016
Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	ST-9291
		Client Ref. No.:	10/4/1930
Attn:	Robin Ferber	Date Sampled:	5/4/2016
		Date Received:	5/5/2016
Project:	SJ4 Burbank	Date Analyzed:	5/9/2016
Project Address:	777 N. Front St. Burbank, CA	Physical State:	Soil

BATCH: H16050602 **Prepared:** 5/6/2016 **Analyzed:** 5/9/2016

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	Result	Spike Level	Source Result	% REC	% RPD	% REC Limits	Units
METHOD BLANK:	H160506-BLK2						
Analytes:							
Mercury, Hg	ND						mg/kg
LCS:	H160506-LCS2						
			SAMPLE SPIKED:	CLEAN SOIL			
Mercury, Hg	0.86	1.00	ND	86%		75 - 125	mg/kg
LCSD:	H160506-LCSD2						
			SAMPLE SPIKED:	CLEAN SOIL			
Mercury, Hg	0.86	1.00	ND	86%	0.2%	75 - 125	mg/kg

ND= Not Detected

RPD = Relative Percent Difference; Acceptability range for RPD is ≤ 15%



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Santa Fe Springs, CA 90670
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Chain-of-Custody Record

Client		Project Name		Project Address		Project Contact		Date		Purge Number		Purge Volume		Sample ID		Sample Collection Time		Sample Analysis Time		Laboratory Sample Number		Sample Matrix: Soil (S), Sludge (SL), Aqueous (A), Soil Gas (SG)		Turn Around Requested:		Purge Rate:		SOIL GAS		Date		JEL Project #	
		1232 SS4		777 N Front St		Bobank		5/4/16						B6-1'		1507				ST-9291-01		XXX		XXX		Immediate Attention		cc/min		5/4/16		ST-9291	
														B6-4.5'		1510				ST-9291-02				Rush: 24 48 72		Y / N		10P 3P 7P 10P		Page 1 of 1			
														B6-8.5'		1515				ST-9291-03				Normal		Y / N		10P 3P 7P 10P		Lab Use Only			
														B6-14.5'		1520				ST-9291-04				Mobile Lab		Y / N		10P 3P 7P 10P		Sample Condition as Received:			
														B6-20.5'		1526				ST-9291-05						Y / N		10P 3P 7P 10P		Chilled ☐ yes ☐ no			
																										Y / N		10P 3P 7P 10P		Sealed ☐ yes ☐ no			
1		Relinquished by (signature)		Date		5-5-16		2		Received by (signature)		Date		5/5/16		Total Number of Containers		20															
Company		Leighton + Associates		Time		1305		Company		JEL		Time		15:05																			
3		Relinquished by (signature)		Date		5/5/16		4		Received by Laboratory (signature)		Date		5/5/16																			
Company		JEL		Time		17:30		Company		JONES ENVIRONMENTAL INC.		Time		17:30																			

The delivery of samples and the signature on this Chain of Custody form constitutes authorization to perform the analyses specified above under the Terms and Conditions set forth on the back hereof.

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**JONES ENVIRONMENTAL
LABORATORY RESULTS**

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/12/2016
JEL Ref. No.: ST-9292
Client Ref. No: 11235.002

Attn: Robin Ferber

Date Sampled: 5/5/2016
Date Received: 5/5/2016

Project: SJ4 Burbank
Project Address: 777 N. Front St.
Burbank, CA

Date Analyzed: 5/6,7,9,11,12/2016
Physical State: Soil

ANALYSES REQUESTED

1. EPA 8015M – Semivolatile Hydrocarbons as Diesel & Oil
2. EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics
3. EPA 6010B by 3050B and EPA 7471A – CAM 17 Metals

Approval:

Steve Jones, Ph.D.
Laboratory Manager



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SANTA FE SPRINGS, CA 90670
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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Leighton & Associates, Inc.	Report date:	5/12/2016
Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	ST-9292
		Client Ref No.:	11235.002
Attn:	Robin Ferber	Date Sampled:	5/5/2016
		Date Received:	5/5/2016
Project:	SJ4 Burbank	Date Analyzed:	5/7,9,11-12/2016
Project Address:	777 N. Front St. Burbank, CA	Physical State:	Soil

EPA 8015M – Semivolatile Hydrocarbons as Diesel & Oil

<u>Sample ID:</u>	B2-1'	B2-4.5'	B2-8.5'	B2-14.5'	B2-20.5'		
<u>JEL ID:</u>	ST-9292-01	ST-9292-02	ST-9292-03	ST-9292-04	ST-9292-05	<u>Practical Quantitation Limit</u>	<u>Units</u>
Carbon Chain Range							
Diesel Range Organics (C10-C28)	ND	ND	ND	ND	ND	10.0	mg/kg
Oil Range Organics (C29-C32)	ND	ND	ND	ND	ND	10.0	mg/kg
<u>Dilution Factor</u>	1	1	1	1	1		
<u>Surrogate Recovery:</u>						<u>QC Limits</u>	
Hexacosane	71%	70%	77%	92%	87%	30 - 120	
<u>Batch ID:</u>	8015_ 160506_01	8015_ 160506_01	8015_ 160506_01	8015_ 160506_01	8015_ 160506_01		

ND = Not Detected



714-449-9937
562-646-1611
805-399-0060

11007 FOREST PLACE
SANTA FE SPRINGS, CA 90670
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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Leighton & Associates, Inc.	Report date:	5/12/2016
Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	ST-9292
		Client Ref No.:	11235.002
Attn:	Robin Ferber	Date Sampled:	5/5/2016
		Date Received:	5/5/2016
Project:	SJ4 Burbank	Date Analyzed:	5/7,9,11-12/2
Project Address:	777 N. Front St. Burbank, CA	Physical State:	Soil

EPA 8015M – Semivolatile Hydrocarbons as Diesel & Oil

<u>Sample ID:</u>	B7-1'	B7-4.5'	B7-8.5'	B7-14.5'	B7-20.5'		
<u>JEL ID:</u>	ST-9292-06	ST-9292-07	ST-9292-08	ST-9292-09	ST-9292-10	<u>Practical Quantitation Limit</u>	<u>Units</u>
Carbon Chain Range							
Diesel Range Organics (C10-C28)	ND	ND	ND	ND	ND	10.0	mg/kg
Oil Range Organics (C29-C32)	ND	ND	ND	ND	ND	10.0	mg/kg
 <u>Dilution Factor</u>	1	1	1	1	1		
 <u>Surrogate Recovery:</u>						<u>QC Limits</u>	
Hexacosane	83%	110%	91%	85%	98%	30 - 120	
 <u>Batch ID:</u>	8015_ 160506_01	8015_ 160506_01	8015_ 160506_01	8015_ 160506_01	8015_ 160506_01		

ND = Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Leighton & Associates, Inc.	Report date:	5/12/2016
Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	ST-9292
		Client Ref No.:	11235.002
Attn:	Robin Ferber	Date Sampled:	5/5/2016
		Date Received:	5/5/2016
Project:	SJ4 Burbank	Date Analyzed:	5/7,9,11-12/2
Project Address:	777 N. Front St. Burbank, CA	Physical State:	Soil

EPA 8015M – Semivolatile Hydrocarbons as Diesel & Oil

<u>Sample ID:</u>	LB5-1'	LB5-1D	LB5-4.5'	LB5-8.5'	LB5-14.5'		
<u>JEL ID:</u>	ST-9292-11	ST-9292-12	ST-9292-13	ST-9292-14	ST-9292-15	<u>Practical Quantitation Limit</u>	<u>Units</u>
Carbon Chain Range							
Diesel Range Organics (C10-C28)	ND	ND	ND	ND	ND	10.0	mg/kg
Oil Range Organics (C29-C32)	ND	ND	ND	ND	ND	10.0	mg/kg
 <u>Dilution Factor</u>	1	1	1	1	1		
 <u>Surrogate Recovery:</u>						<u>QC Limits</u>	
Hexacosane	58%	51%	73%	73%	52%	30 - 120	
 <u>Batch ID:</u>	8015_ 160509_01	8015_ 160506_01	8015_ 160506_01	8015_ 160506_01	8015_ 160506_02		

ND = Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Leighton & Associates, Inc.	Report date:	5/12/2016
Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	ST-9292
		Client Ref No.:	11235.002
Attn:	Robin Ferber	Date Sampled:	5/5/2016
		Date Received:	5/5/2016
Project:	SJ4 Burbank	Date Analyzed:	5/7,9,11-12/2
Project Address:	777 N. Front St. Burbank, CA	Physical State:	Soil

EPA 8015M – Semivolatile Hydrocarbons as Diesel & Oil

<u>Sample ID:</u>	LB5-20.5'	B8-1'	B8-4.5'	B8-8.5'	B8-8.5D		
<u>JEL ID:</u>	ST-9292-16	ST-9292-17	ST-9292-18	ST-9292-19	ST-9292-20	<u>Practical Quantitation Limit</u>	<u>Units</u>
Carbon Chain Range							
Diesel Range Organics (C10-C28)	ND	ND	ND	ND	ND	10.0	mg/kg
Oil Range Organics (C29-C32)	ND	ND	ND	ND	ND	10.0	mg/kg
 <u>Dilution Factor</u>	1	1	1	1	1		
 <u>Surrogate Recovery:</u>						<u>QC Limits</u>	
Hexacosane	94%	85%	100%	83%	47%	30 - 120	
 <u>Batch ID:</u>	8015_ 160510_03	8015_ 160510_03	8015_ 160510_03	8015_ 160510_03	8015_ 160510_03		

ND = Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Leighton & Associates, Inc.	Report date:	5/12/2016
Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	ST-9292
		Client Ref No.:	11235.002
Attn:	Robin Ferber	Date Sampled:	5/5/2016
		Date Received:	5/5/2016
Project:	SJ4 Burbank	Date Analyzed:	5/7,9,11-12/2
Project Address:	777 N. Front St. Burbank, CA	Physical State:	Soil

EPA 8015M – Semivolatile Hydrocarbons as Diesel & Oil

<u>Sample ID:</u>	B8-14.5'	B8-20.5'	B9-1'	B9-4.5'	B9-8.5'		
<u>JEL ID:</u>	ST-9292-21	ST-9292-22	ST-9292-23	ST-9292-24	ST-9292-25	<u>Practical Quantitation Limit</u>	<u>Units</u>
Carbon Chain Range							
Diesel Range Organics (C10-C28)	ND	ND	ND	ND	ND	10.0	mg/kg
Oil Range Organics (C29-C32)	ND	ND	ND	ND	ND	10.0	mg/kg
 <u>Dilution Factor</u>	 1	 1	 1	 1	 1		
 <u>Surrogate Recovery:</u>						 <u>QC Limits</u>	
Hexacosane	59%	65%	72%	69%	82%	30 - 120	
 <u>Batch ID:</u>	 8015_ 160506_02	 8015_ 160506_02	 8015_ 160510_03	 8015_ 160510_03	 8015_ 160510_03		

ND = Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Leighton & Associates, Inc.	Report date:	5/12/2016
Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	ST-9292
		Client Ref No.:	11235.002
Attn:	Robin Ferber	Date Sampled:	5/5/2016
		Date Received:	5/5/2016
Project:	SJ4 Burbank	Date Analyzed:	5/7,9,11-12/2
Project Address:	777 N. Front St. Burbank, CA	Physical State:	Soil

EPA 8015M – Semivolatile Hydrocarbons as Diesel & Oil

<u>Sample ID:</u>	B9-14.5'	B9-20.5'	B9-25.5'	B9-30.5'	B10-1'		
<u>JEL ID:</u>	ST-9292-26	ST-9292-27	ST-9292-28	ST-9292-29	ST-9292-30	<u>Practical Quantitation Limit</u>	<u>Units</u>
Carbon Chain Range							
Diesel Range Organics (C10-C28)	ND	ND	ND	ND	ND	10.0	mg/kg
Oil Range Organics (C29-C32)	ND	ND	ND	ND	ND	10.0	mg/kg
 <u>Dilution Factor</u>	1	1	1	1	1		
 <u>Surrogate Recovery:</u>						<u>QC Limits</u>	
Hexacosane	67%	90%	51%	72%	55%	30 - 120	
 <u>Batch ID:</u>	8015_ 160506_02	8015_ 160510_03	8015_ 160506_02	8015_ 160506_02	8015_ 160506_02		

ND = Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Leighton & Associates, Inc.	Report date:	5/12/2016
Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	ST-9292
		Client Ref No.:	11235.002
Attn:	Robin Ferber	Date Sampled:	5/5/2016
Project:	SJ4 Burbank	Date Received:	5/5/2016
Project Address:	777 N. Front St. Burbank, CA	Date Analyzed:	5/7,9,11-12/2
		Physical State:	Soil

EPA 8015M – Semivolatile Hydrocarbons as Diesel & Oil

<u>Sample ID:</u>	B10-4.5'	B10-8.5'	B10-14.5'	B10-20.5'	B10-25.5'		
<u>JEL ID:</u>	ST-9292-31	ST-9292-32	ST-9292-33	ST-9292-34	ST-9292-35	<u>Practical Quantitation Limit</u>	<u>Units</u>
Carbon Chain Range							
Diesel Range Organics (C10-C28)	ND	ND	ND	ND	ND	10.0	mg/kg
Oil Range Organics (C29-C32)	ND	ND	ND	ND	ND	10.0	mg/kg
 <u>Dilution Factor</u>	1	1	1	1	1		
 <u>Surrogate Recovery:</u>						<u>QC Limits</u>	
Hexacosane	85%	89%	55%	47%	67%	30 - 120	
 <u>Batch ID:</u>	8015_ 160510_03	8015_ 160510_03	8015_ 160506_02	8015_ 160506_02	8015_ 160507_01		

ND = Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Attn: Robin Ferber

Project: SJ4 Burbank
Project Address: 777 N. Front St.
Burbank, CA

Report date: 5/12/2016
JEL Ref. No.: ST-9292
Client Ref No.: 11235.002

Date Sampled: 5/5/2016
Date Received: 5/5/2016
Date Analyzed: 5/7,9,11-12/2
Physical State: Soil

EPA 8015M – Semivolatile Hydrocarbons as Diesel & Oil

Sample ID: B10-30.5'

JEL ID: ST9292-36

Carbon Chain Range

Diesel Range Organics (C10-C28)
Oil Range Organics (C29-C32)

ND
ND

<u>Practical Quantitation Limit</u>	<u>Units</u>
---	--------------

10.0	mg/kg
10.0	mg/kg

Dilution Factor 1

Surrogate Recovery:
Hexacosane 80%

QC Limits
30 - 120

Batch ID: 8015_
160507_01

ND = Not Detected



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JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

Client:	Leighton & Associates, Inc.	Report date:	5/12/2016
Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	ST-9292
		Client Ref No.:	11235.002
Attn:	Robin Ferber	Date Sampled:	5/5/2016
Project:	SJ4 Burbank	Date Received:	5/5/2016
Project Address:	777 N. Front St. Burbank, CA	Date Analyzed:	5/7,9,11-12/2016
		Physical State:	Soil

EPA 8015M – Semivolatile Hydrocarbons as Diesel & Oil

<u>Sample ID:</u>	METHOD BLANK	METHOD BLANK	METHOD BLANK	METHOD BLANK	METHOD BLANK		
<u>JEL ID:</u>	MB- 160506_01	MB- 160506_02	MB- 160507_01	MB- 160509_01	MB- 160510_03	<u>Practical Quantitation Limit</u>	<u>Units</u>
Carbon Chain Range							
Diesel Range Organics (C10-C28)	ND	ND	ND	ND	ND	10.0	mg/kg
Oil Range Organics (C29-C32)	ND	ND	ND	ND	ND	10.0	mg/kg
 <u>Dilution Factor</u>	 1	 1	 1	 1	 1		
 <u>Surrogate Recovery:</u>						 <u>QC Limits</u>	
Hexacosane	92%	93%	105%	88%	87%	30 - 120	
 <u>Batch ID:</u>	 8015_ 160506_01	 8015_ 160506_02	 8015_ 160507_01	 8015_ 160509_01	 8015_ 160510_03		

ND = Not Detected



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11007 FOREST PLACE
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JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

Client:	Leighton & Associates, Inc.	Report date:	5/12/2016
Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	ST-9292
		Client Ref No.:	11235.002
Attn:	Robin Ferber	Date Sampled:	5/5/2016
		Date Received:	5/5/2016
Project:	SJ4 Burbank	Date Analyzed:	5/7,9,11-12/2016
Project Address:	777 N. Front St. Burbank, CA	Physical State:	Soil

BATCH: 8015_160506_01 **Prepared:** 5/6/2016 **Analyzed:** 5/12/2016

EPA 8015M – Semivolatile Hydrocarbons as Diesel & Oil

	Result	Spike Level	Source Result	% Recovery	% RPD	% Recovery Limits	Units
LCS:	LCS-160506_01	SAMPLE SPIKED:		CLEAN SOIL			
Analyte:							
Diesel	566	600	ND	94%		60 - 140	mg/kg
Surrogate Recovery:							
Hexacosane				101%		30 - 120	
LCSD:	LCSD-160506_01	SAMPLE SPIKED:		CLEAN SOIL			
Analyte:							
Diesel	538	600	ND	90%	5.1%	60 - 140	mg/kg
Surrogate Recoveries:							
Hexacosane				104%		30 - 120	

LCS = Laboratory Control Sample
RPD = Relative Percent Difference



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11007 FOREST PLACE
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JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

Client:	Leighton & Associates, Inc.	Report date:	5/12/2016
Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	ST-9292
		Client Ref No.:	11235.002
Attn:	Robin Ferber	Date Sampled:	5/5/2016
		Date Received:	5/5/2016
Project:	SJ4 Burbank	Date Analyzed:	5/7,9,11-12/2016
Project Address:	777 N. Front St. Burbank, CA	Physical State:	Soil

BATCH: 8015_160506_02 **Prepared:** 5/6/2016 **Analyzed:** 5/7/2016

EPA 8015M – Semivolatile Hydrocarbons as Diesel & Oil

	Result	Spike Level	Source Result	% Recovery	% RPD	% Recovery Limits	Units
LCS:	LCS-160506_02	SAMPLE SPIKED:		CLEAN SOIL			
Analyte:							
Diesel	396	600	ND	66%		60 - 140	mg/kg
Surrogate Recovery:							
Hexacosane				81%		30 - 120	
LCSD:	LCSD-160506_02	SAMPLE SPIKED:		CLEAN SOIL			
Analyte:							
Diesel	403	600	ND	67%	1.8%	60 - 140	mg/kg
Surrogate Recoveries:							
Hexacosane				72%		30 - 120	

LCS = Laboratory Control Sample
RPD = Relative Percent Difference



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JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

Client:	Leighton & Associates, Inc.	Report date:	5/12/2016
Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	ST-9292
		Client Ref No.:	11235.002
Attn:	Robin Ferber	Date Sampled:	5/5/2016
		Date Received:	5/5/2016
Project:	SJ4 Burbank	Date Analyzed:	5/7,9,11-12/2016
Project Address:	777 N. Front St. Burbank, CA	Physical State:	Soil

BATCH: 8015_160507_01 **Prepared:** 5/7/2016 **Analyzed:** 5/7/2016

EPA 8015M – Semivolatile Hydrocarbons as Diesel & Oil

	Result	Spike Level	Source Result	% Recovery	% RPD	% Recovery Limits	Units
LCS:	LCS-160507_01	SAMPLE SPIKED:		CLEAN SOIL			
Analyte:							
Diesel	359	600	ND	60%		60 - 140	mg/kg
Surrogate Recovery:							
Hexacosane				73%		30 - 120	
LCSD:	LCSD-160507_01	SAMPLE SPIKED:		CLEAN SOIL			
Analyte:							
Diesel	362	600	ND	60%	0.8%	60 - 140	mg/kg
Surrogate Recoveries:							
Hexacosane				73%		30 - 120	

LCS = Laboratory Control Sample

RPD = Relative Percent Difference



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JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

Client:	Leighton & Associates, Inc.	Report date:	5/12/2016
Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	ST-9292
		Client Ref No.:	11235.002
Attn:	Robin Ferber	Date Sampled:	5/5/2016
		Date Received:	5/5/2016
Project:	SJ4 Burbank	Date Analyzed:	5/7,9,11-12/2016
Project Address:	777 N. Front St. Burbank, CA	Physical State:	Soil

BATCH: 8015_160509_01 **Prepared:** 5/9/2016 **Analyzed:** 5/9/2016

EPA 8015M – Semivolatile Hydrocarbons as Diesel & Oil

	Result	Spike Level	Source Result	% Recovery	% RPD	% Recovery Limits	Units
LCS:	LCS-160509_01	SAMPLE SPIKED:		CLEAN SOIL			
Analyte:							
Diesel	537	600	ND	90%		60 - 140	mg/kg
Surrogate Recovery:							
Hexacosane				73%		30 - 120	
LCSD:	LCSD-160509_01	SAMPLE SPIKED:		CLEAN SOIL			
Analyte:							
Diesel	524	600	ND	87%	2.5%	60 - 140	mg/kg
Surrogate Recoveries:							
Hexacosane				73%		30 - 120	

LCS = Laboratory Control Sample
RPD = Relative Percent Difference



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JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

Client:	Leighton & Associates, Inc.	Report date:	5/12/2016
Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	ST-9292
		Client Ref No.:	11235.002
Attn:	Robin Ferber	Date Sampled:	5/5/2016
		Date Received:	5/5/2016
Project:	SJ4 Burbank	Date Analyzed:	5/7,9,11-12/2016
Project Address:	777 N. Front St. Burbank, CA	Physical State:	Soil

BATCH: 8015_160510_03 **Prepared:** 5/10/2016 **Analyzed:** 5/11/2016

EPA 8015M – Semivolatile Hydrocarbons as Diesel & Oil

	Result	Spike Level	Source Result	% Recovery	% RPD	% Recovery Limits	Units
LCS:	LCS-160510_03	SAMPLE SPIKED:		CLEAN SOIL			
Analyte:							
Diesel	541	600	ND	90%		60 - 140	mg/kg
Surrogate Recovery:							
Hexacosane				112%		30 - 120	
LCSD:	LCSD-160510_03	SAMPLE SPIKED:		CLEAN SOIL			
Analyte:							
Diesel	503	600	ND	84%	6.0%	60 - 140	mg/kg
Surrogate Recoveries:							
Hexacosane				103%		30 - 120	

LCS = Laboratory Control Sample
 RPD = Relative Percent Difference



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/12/2016
JEL Ref. No.: ST-9292
Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front St.
Burbank, CA

Date Sampled: 5/5/2016
Date Received: 5/5/2016
Date Analyzed: 5/6-7/2016
Physical State: Soil

EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

<u>Sample ID:</u>	B2-1'	B2-4.5'	B2-8.5'	B2-14.5'	B2-20.5'		
<u>JEL ID:</u>	ST-9292-01	ST-9292-02	ST-9292-03	ST-9292-04	ST-9292-05	<u>Practical Quantitation</u>	<u>Units</u>
<u>Analytes:</u>						<u>Limit</u>	
Benzene	ND	ND	ND	ND	ND	1.0	µg/kg
Bromobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Bromodichloromethane	ND	ND	ND	ND	ND	1.0	µg/kg
Bromoform	ND	ND	ND	ND	ND	1.0	µg/kg
n-Butylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
sec-Butylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
tert-Butylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Carbon tetrachloride	ND	ND	ND	ND	ND	1.0	µg/kg
Chlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Chloroform	ND	ND	ND	ND	ND	1.0	µg/kg
2-Chlorotoluene	ND	ND	ND	ND	ND	1.0	µg/kg
4-Chlorotoluene	ND	ND	ND	ND	ND	1.0	µg/kg
Dibromochloromethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	ND	1.0	µg/kg
Dibromomethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Dichlorodifluoromethane	ND	ND	ND	ND	ND	5.0	µg/kg
1,1-Dichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1-Dichloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,3-Dichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
2,2-Dichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1-Dichloropropene	ND	ND	ND	ND	ND	1.0	µg/kg

JONES ENVIRONMENTAL LABORATORY RESULTS

EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

<u>Sample ID:</u>	B2-1'	B2-4.5'	B2-8.5'	B2-14.5'	B2-20.5'		
<u>JEL ID:</u>	ST-9292-01	ST-9292-02	ST-9292-03	ST-9292-04	ST-9292-05	<u>Practical Quantitation</u>	<u>Units</u>
Analytes:						<u>Limit</u>	
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	1.0	µg/kg
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	1.0	µg/kg
Ethylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Freon 113	ND	ND	ND	ND	ND	5.0	µg/kg
Hexachlorobutadiene	ND	ND	ND	ND	ND	1.0	µg/kg
Isopropylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
4-Isopropyltoluene	ND	ND	ND	ND	ND	1.0	µg/kg
Methylene chloride	ND	ND	ND	ND	ND	1.0	µg/kg
Naphthalene	ND	ND	ND	ND	ND	1.0	µg/kg
n-Propylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Styrene	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
Tetrachloroethylene	12.7	1.7	ND	1.3	3.3	1.0	µg/kg
Toluene	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
Trichloroethylene	ND	ND	ND	ND	ND	1.0	µg/kg
Trichlorofluoromethane	ND	ND	ND	ND	ND	5.0	µg/kg
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Vinyl chloride	ND	ND	ND	ND	ND	1.0	µg/kg
Xylenes	ND	ND	ND	ND	ND	1.0	µg/kg
MTBE	ND	ND	ND	ND	ND	5.0	µg/kg
Ethyl-tert-butylether	ND	ND	ND	ND	ND	5.0	µg/kg
Di-isopropylether	ND	ND	ND	ND	ND	5.0	µg/kg
tert-amylmethylether	ND	ND	ND	ND	ND	5.0	µg/kg
tert-Butylalcohol	ND	ND	ND	ND	ND	50.0	µg/kg
Gasoline Range Organics	ND	ND	ND	ND	ND	0.20	mg/kg
<u>Dilution Factor</u>	1	1	1	1	1		
Surrogate Recoveries:						<u>QC Limits</u>	
Dibromofluoromethane	108%	105%	107%	109%	107%	60 - 140	
Toluene-d ₈	97%	97%	100%	101%	101%	60 - 140	
4-Bromofluorobenzene	100%	100%	100%	108%	112%	60 - 140	
	VOC3-050616- CHECKS	VOC3-050616- CHECKS	VOC3-050616- CHECKS	VOC3-050616- CHECKS	VOC3-050616- CHECKS		

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Leighton & Associates, Inc.	Report date:	5/12/2016
Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	ST-9292
		Client Ref. No.:	11235.002
Attn:	Robin Ferber	Date Sampled:	5/5/2016
		Date Received:	5/5/2016
Project:	SJ4 Burbank	Date Analyzed:	5/6/2016
Project Address:	777 N. Front St. Burbank, CA	Physical State:	Soil

EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

<u>Sample ID:</u>	B7-1'	B7-4.5'	B7-8.5'	B7-14.5'	B7-20.5'		
<u>JEL ID:</u>	ST-9292-06	ST-9292-07	ST-9292-08	ST-9292-09	ST-9292-10	<u>Practical Quantitation</u>	<u>Units</u>
<u>Analytes:</u>						<u>Limit</u>	
Benzene	1.7	ND	ND	ND	ND	1.0	µg/kg
Bromobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Bromodichloromethane	ND	ND	ND	ND	ND	1.0	µg/kg
Bromoform	ND	ND	ND	ND	ND	1.0	µg/kg
n-Butylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
sec-Butylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
tert-Butylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Carbon tetrachloride	ND	ND	ND	ND	ND	1.0	µg/kg
Chlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Chloroform	ND	ND	ND	ND	ND	1.0	µg/kg
2-Chlorotoluene	ND	ND	ND	ND	ND	1.0	µg/kg
4-Chlorotoluene	ND	ND	ND	ND	ND	1.0	µg/kg
Dibromochloromethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	ND	1.0	µg/kg
Dibromomethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2- Dichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Dichlorodifluoromethane	ND	ND	ND	ND	ND	5.0	µg/kg
1,1-Dichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1-Dichloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,3-Dichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
2,2-Dichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1-Dichloropropene	ND	ND	ND	ND	ND	1.0	µg/kg

JONES ENVIRONMENTAL LABORATORY RESULTS

EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

<u>Sample ID:</u>	B7-1'	B7-4.5'	B7-8.5'	B7-14.5'	B7-20.5'		
<u>JEL ID:</u>	ST-9292-06	ST-9292-07	ST-9292-08	ST-9292-09	ST-9292-10	<u>Practical Quantitation</u>	<u>Units</u>
<u>Analytes:</u>						<u>Limit</u>	
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	1.0	µg/kg
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	1.0	µg/kg
Ethylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Freon 113	ND	ND	ND	ND	ND	5.0	µg/kg
Hexachlorobutadiene	ND	ND	ND	ND	ND	1.0	µg/kg
Isopropylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
4-Isopropyltoluene	ND	ND	ND	ND	ND	1.0	µg/kg
Methylene chloride	ND	ND	ND	ND	ND	1.0	µg/kg
Naphthalene	ND	ND	ND	ND	ND	1.0	µg/kg
n-Propylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Styrene	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
Tetrachloroethylene	5.8	22.1	ND	4.5	1.2	1.0	µg/kg
Toluene	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
Trichloroethylene	1.6	13.6	ND	ND	ND	1.0	µg/kg
Trichlorofluoromethane	ND	ND	ND	ND	ND	5.0	µg/kg
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Vinyl chloride	ND	ND	ND	ND	ND	1.0	µg/kg
Xylenes	ND	ND	ND	ND	ND	1.0	µg/kg
MTBE	ND	ND	ND	ND	ND	5.0	µg/kg
Ethyl-tert-butylether	ND	ND	ND	ND	ND	5.0	µg/kg
Di-isopropylether	ND	ND	ND	ND	ND	5.0	µg/kg
tert-amylmethylether	ND	ND	ND	ND	ND	5.0	µg/kg
tert-Butylalcohol	ND	ND	ND	ND	ND	50.0	µg/kg
Gasoline Range Organics	ND	ND	ND	ND	ND	0.20	mg/kg
<u>Dilution Factor</u>	1	1	1	1	1		
<u>Surrogate Recoveries:</u>						<u>QC Limits</u>	
Dibromofluoromethane	109%	108%	110%	112%	115%	60 - 140	
Toluene-d ₈	103%	98%	101%	101%	106%	60 - 140	
4-Bromofluorobenzene	104%	97%	105%	104%	110%	60 - 140	
	VOC3-050616- CHECKS	VOC3-050616- CHECKS	VOC3-050616- CHECKS	VOC3-050616- CHECKS	VOC3-050616- CHECKS		

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/12/2016
JEL Ref. No.: ST-9292
Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front St.
Burbank, CA

Date Sampled: 5/5/2016
Date Received: 5/5/2016
Date Analyzed: 5/6/2016
Physical State: Soil

EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

<u>Sample ID:</u>	LB5-1'	LB5-1D	LB5-4.5'	LB5-8.5'	LB5-14.5'		
<u>JEL ID:</u>	ST-9292-11	ST-9292-12	ST-9292-13	ST-9292-14	ST-9292-15	<u>Practical Quantitation</u>	<u>Units</u>
<u>Analytes:</u>						<u>Limit</u>	
Benzene	ND	ND	ND	ND	ND	1.0	µg/kg
Bromobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Bromodichloromethane	ND	ND	ND	ND	ND	1.0	µg/kg
Bromoform	ND	ND	ND	ND	ND	1.0	µg/kg
n-Butylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
sec-Butylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
tert-Butylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Carbon tetrachloride	ND	ND	ND	ND	ND	1.0	µg/kg
Chlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Chloroform	ND	ND	ND	ND	ND	1.0	µg/kg
2-Chlorotoluene	ND	ND	ND	ND	ND	1.0	µg/kg
4-Chlorotoluene	ND	ND	ND	ND	ND	1.0	µg/kg
Dibromochloromethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	ND	1.0	µg/kg
Dibromomethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Dichlorodifluoromethane	ND	ND	ND	ND	ND	5.0	µg/kg
1,1-Dichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1-Dichloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,3-Dichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
2,2-Dichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1-Dichloropropene	ND	ND	ND	ND	ND	1.0	µg/kg

JONES ENVIRONMENTAL LABORATORY RESULTS

EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

<u>Sample ID:</u>	LB5-1'	LB5-1D	LB5-4.5'	LB5-8.5'	LB5-14.5'		
<u>JEL ID:</u>	ST-9292-11	ST-9292-12	ST-9292-13	ST-9292-14	ST-9292-15	<u>Practical Quantitation</u>	<u>Units</u>
Analytes:						<u>Limit</u>	
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	1.0	µg/kg
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	1.0	µg/kg
Ethylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Freon 113	ND	ND	ND	ND	ND	5.0	µg/kg
Hexachlorobutadiene	ND	ND	ND	ND	ND	1.0	µg/kg
Isopropylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
4-Isopropyltoluene	ND	ND	ND	ND	ND	1.0	µg/kg
Methylene chloride	ND	ND	ND	ND	ND	1.0	µg/kg
Naphthalene	ND	ND	ND	ND	ND	1.0	µg/kg
n-Propylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Styrene	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
Tetrachloroethylene	ND	ND	21.2	3.9	1.0	1.0	µg/kg
Toluene	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
Trichloroethylene	ND	ND	5.3	ND	ND	1.0	µg/kg
Trichlorofluoromethane	ND	ND	ND	ND	ND	5.0	µg/kg
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Vinyl chloride	ND	ND	ND	ND	ND	1.0	µg/kg
Xylenes	ND	ND	ND	ND	ND	1.0	µg/kg
MTBE	ND	ND	ND	ND	ND	5.0	µg/kg
Ethyl-tert-butylether	ND	ND	ND	ND	ND	5.0	µg/kg
Di-isopropylether	ND	ND	ND	ND	ND	5.0	µg/kg
tert-amylmethylether	ND	ND	ND	ND	ND	5.0	µg/kg
tert-Butylalcohol	ND	ND	ND	ND	ND	50.0	µg/kg
Gasoline Range Organics	ND	ND	ND	ND	ND	0.20	mg/kg
<u>Dilution Factor</u>	1	1	1	1	1		
Surrogate Recoveries:						<u>QC Limits</u>	
Dibromofluoromethane	114%	112%	117%	112%	115%	60 - 140	
Toluene-d ₈	105%	102%	105%	103%	105%	60 - 140	
4-Bromofluorobenzene	111%	110%	109%	113%	108%	60 - 140	

VOC3-050616-CHECKS VOC3-050616-CHECKS VOC3-050616-CHECKS_2 VOC3-050616-CHECKS_2 VOC3-050616-CHECKS_2

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/12/2016
JEL Ref. No.: ST-9292
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Attn: Robin Ferber
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Project Address: 777 N. Front St.
Burbank, CA

Date Sampled: 5/5/2016
Date Received: 5/5/2016
Date Analyzed: 5/6/2016
Physical State: Soil

EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

Sample ID:	LB5-20.5'	B8-1'	B8-4.5'	B8-8.5'	B8-8.5D		
JEL ID:	ST-9292-16	ST-9292-17	ST-9292-18	ST-9292-19	ST-9292-20	Practical Quantitation	Units
Analytes:						Limit	
Benzene	ND	4.3	ND	ND	ND	1.0	µg/kg
Bromobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Bromodichloromethane	ND	ND	ND	ND	ND	1.0	µg/kg
Bromoform	ND	ND	ND	ND	ND	1.0	µg/kg
n-Butylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
sec-Butylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
tert-Butylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Carbon tetrachloride	ND	ND	ND	ND	ND	1.0	µg/kg
Chlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Chloroform	ND	ND	ND	ND	ND	1.0	µg/kg
2-Chlorotoluene	ND	ND	ND	ND	ND	1.0	µg/kg
4-Chlorotoluene	ND	ND	ND	ND	ND	1.0	µg/kg
Dibromochloromethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	ND	1.0	µg/kg
Dibromomethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Dichlorodifluoromethane	ND	ND	ND	ND	ND	5.0	µg/kg
1,1-Dichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1-Dichloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,3-Dichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
2,2-Dichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1-Dichloropropene	ND	ND	ND	ND	ND	1.0	µg/kg

JONES ENVIRONMENTAL LABORATORY RESULTS

EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

Sample ID:	LB5-20.5'	B8-1'	B8-4.5'	B8-8.5'	B8-8.5D		
JEL ID:	ST-9292-16	ST-9292-17	ST-9292-18	ST-9292-19	ST-9292-20	Practical Quantitation	Units
Analytes:						Limit	
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	1.0	µg/kg
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	1.0	µg/kg
Ethylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Freon 113	ND	ND	ND	ND	ND	5.0	µg/kg
Hexachlorobutadiene	ND	ND	ND	ND	ND	1.0	µg/kg
Isopropylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
4-Isopropyltoluene	ND	ND	ND	ND	ND	1.0	µg/kg
Methylene chloride	ND	ND	ND	ND	ND	1.0	µg/kg
Naphthalene	ND	ND	ND	ND	ND	1.0	µg/kg
n-Propylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Styrene	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
Tetrachloroethylene	2.2	13.9	3.3	5.5	6.0	1.0	µg/kg
Toluene	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
Trichloroethylene	ND	19.8	1.0	1.2	1.3	1.0	µg/kg
Trichlorofluoromethane	ND	ND	ND	ND	ND	5.0	µg/kg
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Vinyl chloride	ND	ND	ND	ND	ND	1.0	µg/kg
Xylenes	ND	ND	ND	ND	ND	1.0	µg/kg
MTBE	ND	ND	ND	ND	ND	5.0	µg/kg
Ethyl-tert-butylether	ND	ND	ND	ND	ND	5.0	µg/kg
Di-isopropylether	ND	ND	ND	ND	ND	5.0	µg/kg
tert-amylmethylether	ND	ND	ND	ND	ND	5.0	µg/kg
tert-Butylalcohol	ND	ND	ND	ND	ND	50.0	µg/kg
Gasoline Range Organics	ND	ND	ND	ND	ND	0.20	mg/kg
Dilution Factor	1	1	1	1	1		
Surrogate Recoveries:						QC Limits	
Dibromofluoromethane	114%	113%	114%	114%	114%	60 - 140	
Toluene-d ₈	104%	103%	104%	104%	103%	60 - 140	
4-Bromofluorobenzene	112%	109%	108%	112%	108%	60 - 140	

VOC3-050616-CHECKS_2 VOC3-050616-CHECKS_2 VOC3-050616-CHECKS_2 VOC3-050616-CHECKS_2 VOC3-050616-CHECKS_2

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/12/2016
JEL Ref. No.: ST-9292
Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front St.
Burbank, CA

Date Sampled: 5/5/2016
Date Received: 5/5/2016
Date Analyzed: 5/6/2016
Physical State: Soil

EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

<u>Sample ID:</u>	B8-14.5'	B8-20.5'	B9-1'	B9-4.5'	B9-8.5'		
<u>JEL ID:</u>	ST-9292-21	ST-9292-22	ST-9292-23	ST-9292-24	ST-9292-25	<u>Practical Quantitation</u>	<u>Units</u>
<u>Analytes:</u>						<u>Limit</u>	
Benzene	ND	ND	ND	ND	ND	1.0	µg/kg
Bromobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Bromodichloromethane	ND	ND	ND	ND	ND	1.0	µg/kg
Bromoform	ND	ND	ND	ND	ND	1.0	µg/kg
n-Butylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
sec-Butylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
tert-Butylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Carbon tetrachloride	ND	ND	ND	ND	ND	1.0	µg/kg
Chlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Chloroform	ND	ND	ND	ND	ND	1.0	µg/kg
2-Chlorotoluene	ND	ND	ND	ND	ND	1.0	µg/kg
4-Chlorotoluene	ND	ND	ND	ND	ND	1.0	µg/kg
Dibromochloromethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	ND	1.0	µg/kg
Dibromomethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2- Dichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Dichlorodifluoromethane	ND	ND	ND	ND	ND	5.0	µg/kg
1,1-Dichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1-Dichloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,3-Dichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
2,2-Dichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1-Dichloropropene	ND	ND	ND	ND	ND	1.0	µg/kg

JONES ENVIRONMENTAL LABORATORY RESULTS

EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

Sample ID:	B8-14.5'	B8-20.5'	B9-1'	B9-4.5'	B9-8.5'		
JEL ID:	ST-9292-21	ST-9292-22	ST-9292-23	ST-9292-24	ST-9292-25	Practical Quantitation	Units
Analytes:						Limit	
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	1.0	µg/kg
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	1.0	µg/kg
Ethylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Freon 113	ND	ND	ND	ND	ND	5.0	µg/kg
Hexachlorobutadiene	ND	ND	ND	ND	ND	1.0	µg/kg
Isopropylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
4-Isopropyltoluene	ND	ND	ND	ND	ND	1.0	µg/kg
Methylene chloride	ND	ND	ND	ND	ND	1.0	µg/kg
Naphthalene	ND	ND	ND	ND	ND	1.0	µg/kg
n-Propylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Styrene	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
Tetrachloroethylene	ND	1.5	1.8	2.3	2.0	1.0	µg/kg
Toluene	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
Trichloroethylene	ND	ND	ND	ND	ND	1.0	µg/kg
Trichlorofluoromethane	ND	ND	ND	ND	ND	5.0	µg/kg
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Vinyl chloride	ND	ND	ND	ND	ND	1.0	µg/kg
Xylenes	ND	ND	ND	ND	ND	1.0	µg/kg
MTBE	ND	ND	ND	ND	ND	5.0	µg/kg
Ethyl-tert-butylether	ND	ND	ND	ND	ND	5.0	µg/kg
Di-isopropylether	ND	ND	ND	ND	ND	5.0	µg/kg
tert-amylmethylether	ND	ND	ND	ND	ND	5.0	µg/kg
tert-Butylalcohol	ND	ND	ND	ND	ND	50.0	µg/kg
Gasoline Range Organics	ND	ND	ND	ND	ND	0.20	mg/kg
Dilution Factor	1	1	1	1	1		
Surrogate Recoveries:						QC Limits	
Dibromofluoromethane	110%	116%	111%	110%	115%	60 - 140	
Toluene-d ₈	101%	107%	102%	100%	104%	60 - 140	
4-Bromofluorobenzene	113%	116%	104%	106%	108%	60 - 140	

VOC3-050616-CHECKS_2 VOC3-050616-CHECKS_2 VOC3-050616-CHECKS_2 VOC3-050616-CHECKS_2 VOC3-050616-CHECKS_2

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Leighton & Associates, Inc.	Report date:	5/12/2016
Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	ST-9292
		Client Ref. No.:	11235.002
Attn:	Robin Ferber	Date Sampled:	5/5/2016
		Date Received:	5/5/2016
Project:	SJ4 Burbank	Date Analyzed:	5/6/2016
Project Address:	777 N. Front St. Burbank, CA	Physical State:	Soil

EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

<u>Sample ID:</u>	B9-14.5'	B9-20.5'	B9-25.5'	B9-30.5'	B10-1'		
<u>JEL ID:</u>	ST-9292-26	ST-9292-27	ST-9292-28	ST-9292-29	ST-9292-30	<u>Practical Quantitation</u>	<u>Units</u>
<u>Analytes:</u>						<u>Limit</u>	
Benzene	ND	ND	ND	ND	ND	1.0	µg/kg
Bromobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Bromodichloromethane	ND	ND	ND	ND	ND	1.0	µg/kg
Bromoform	ND	ND	ND	ND	ND	1.0	µg/kg
n-Butylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
sec-Butylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
tert-Butylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Carbon tetrachloride	ND	ND	ND	ND	ND	1.0	µg/kg
Chlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Chloroform	ND	ND	ND	ND	ND	1.0	µg/kg
2-Chlorotoluene	ND	ND	ND	ND	ND	1.0	µg/kg
4-Chlorotoluene	ND	ND	ND	ND	ND	1.0	µg/kg
Dibromochloromethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	ND	1.0	µg/kg
Dibromomethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2- Dichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Dichlorodifluoromethane	ND	ND	ND	ND	ND	5.0	µg/kg
1,1-Dichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1-Dichloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,3-Dichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
2,2-Dichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1-Dichloropropene	ND	ND	ND	ND	ND	1.0	µg/kg

JONES ENVIRONMENTAL LABORATORY RESULTS

EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

<u>Sample ID:</u>	B9-14.5'	B9-20.5'	B9-25.5'	B9-30.5'	B10-1'		
<u>JEL ID:</u>	ST-9292-26	ST-9292-27	ST-9292-28	ST-9292-29	ST-9292-30	<u>Practical Quantitation</u>	<u>Units</u>
Analytes:						<u>Limit</u>	
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	1.0	µg/kg
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	1.0	µg/kg
Ethylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Freon 113	ND	ND	ND	ND	ND	5.0	µg/kg
Hexachlorobutadiene	ND	ND	ND	ND	ND	1.0	µg/kg
Isopropylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
4-Isopropyltoluene	ND	ND	ND	ND	ND	1.0	µg/kg
Methylene chloride	ND	ND	ND	ND	ND	1.0	µg/kg
Naphthalene	ND	ND	ND	ND	ND	1.0	µg/kg
n-Propylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Styrene	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
Tetrachloroethylene	2.1	2.0	ND	ND	2.0	1.0	µg/kg
Toluene	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
Trichloroethylene	ND	ND	ND	ND	ND	1.0	µg/kg
Trichlorofluoromethane	ND	ND	ND	ND	ND	5.0	µg/kg
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Vinyl chloride	ND	ND	ND	ND	ND	1.0	µg/kg
Xylenes	ND	ND	ND	ND	ND	1.0	µg/kg
MTBE	ND	ND	ND	ND	ND	5.0	µg/kg
Ethyl-tert-butylether	ND	ND	ND	ND	ND	5.0	µg/kg
Di-isopropylether	ND	ND	ND	ND	ND	5.0	µg/kg
tert-amylmethylether	ND	ND	ND	ND	ND	5.0	µg/kg
tert-Butylalcohol	ND	ND	ND	ND	ND	50.0	µg/kg
Gasoline Range Organics	ND	ND	ND	ND	ND	0.20	mg/kg
<u>Dilution Factor</u>	1	1	1	1	1		
Surrogate Recoveries:						<u>QC Limits</u>	
Dibromofluoromethane	114%	116%	114%	114%	117%	60 - 140	
Toluene-d ₈	104%	106%	104%	103%	106%	60 - 140	
4-Bromofluorobenzene	110%	114%	109%	108%	105%	60 - 140	

VOC3-050616-CHECKS_2 VOC3-050616-CHECKS_2 VOC3-050616-CHECKS_2 VOC3-050616-CHECKS_2 VOC3-050616-CHECKS_2

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Leighton & Associates, Inc.	Report date:	5/12/2016
Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	ST-9292
		Client Ref. No.:	11235.002
Attn:	Robin Ferber	Date Sampled:	5/5/2016
		Date Received:	5/5/2016
Project:	SJ4 Burbank	Date Analyzed:	5/6/2016
Project Address:	777 N. Front St. Burbank, CA	Physical State:	Soil

EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

<u>Sample ID:</u>	B10-4.5'	B10-8.5'	B10-14.5'	B10-20.5'	B10-25.5'		
<u>JEL ID:</u>	ST-9292-31	ST-9292-32	ST-9292-33	ST-9292-34	ST-9292-35	<u>Practical Quantitation</u>	<u>Units</u>
<u>Analytes:</u>						<u>Limit</u>	
Benzene	ND	ND	ND	ND	ND	1.0	µg/kg
Bromobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Bromodichloromethane	ND	ND	ND	ND	ND	1.0	µg/kg
Bromoform	ND	ND	ND	ND	ND	1.0	µg/kg
n-Butylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
sec-Butylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
tert-Butylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Carbon tetrachloride	ND	ND	ND	ND	ND	1.0	µg/kg
Chlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Chloroform	ND	ND	ND	ND	ND	1.0	µg/kg
2-Chlorotoluene	ND	ND	ND	ND	ND	1.0	µg/kg
4-Chlorotoluene	ND	ND	ND	ND	ND	1.0	µg/kg
Dibromochloromethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	ND	1.0	µg/kg
Dibromomethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2- Dichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Dichlorodifluoromethane	ND	ND	ND	ND	ND	5.0	µg/kg
1,1-Dichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1-Dichloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,3-Dichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
2,2-Dichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1-Dichloropropene	ND	ND	ND	ND	ND	1.0	µg/kg

JONES ENVIRONMENTAL LABORATORY RESULTS

EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

<u>Sample ID:</u>	B10-4.5'	B10-8.5'	B10-14.5'	B10-20.5'	B10-25.5'		
<u>JEL ID:</u>	ST-9292-31	ST-9292-32	ST-9292-33	ST-9292-34	ST-9292-35	<u>Practical Quantitation</u>	<u>Units</u>
<u>Analytes:</u>						<u>Limit</u>	
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	1.0	µg/kg
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	1.0	µg/kg
Ethylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Freon 113	ND	ND	ND	ND	ND	5.0	µg/kg
Hexachlorobutadiene	ND	ND	ND	ND	ND	1.0	µg/kg
Isopropylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
4-Isopropyltoluene	ND	ND	ND	ND	ND	1.0	µg/kg
Methylene chloride	ND	ND	ND	ND	ND	1.0	µg/kg
Naphthalene	ND	ND	ND	ND	ND	1.0	µg/kg
n-Propylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Styrene	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
Tetrachloroethylene	4.3	2.8	ND	ND	2.2	1.0	µg/kg
Toluene	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
Trichloroethylene	ND	ND	ND	ND	ND	1.0	µg/kg
Trichlorofluoromethane	ND	ND	ND	ND	ND	5.0	µg/kg
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Vinyl chloride	ND	ND	ND	ND	ND	1.0	µg/kg
Xylenes	ND	ND	ND	ND	ND	1.0	µg/kg
MTBE	ND	ND	ND	ND	ND	5.0	µg/kg
Ethyl-tert-butylether	ND	ND	ND	ND	ND	5.0	µg/kg
Di-isopropylether	ND	ND	ND	ND	ND	5.0	µg/kg
tert-amylmethylether	ND	ND	ND	ND	ND	5.0	µg/kg
tert-Butylalcohol	ND	ND	ND	ND	ND	50.0	µg/kg
Gasoline Range Organics	ND	ND	ND	ND	ND	0.20	mg/kg
<u>Dilution Factor</u>	1	1	1	1	1		
<u>Surrogate Recoveries:</u>						<u>QC Limits</u>	
Dibromofluoromethane	113%	114%	102%	106%	106%	60 - 140	
Toluene-d ₈	103%	104%	105%	111%	109%	60 - 140	
4-Bromofluorobenzene	112%	112%	114%	115%	121%	60 - 140	
	VOC3-050616- CHECKS_2	VOC3-050616- CHECKS_2	VOC1-050616- CHECKS	VOC1-050616- CHECKS	VOC1-050616- CHECKS		

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Leighton & Associates, Inc.	Report date:	5/12/2016
Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	ST-9292
		Client Ref. No.:	11235.002
Attn:	Robin Ferber	Date Sampled:	5/5/2016
		Date Received:	5/5/2016
Project:	SJ4 Burbank	Date Analyzed:	5/6/2016
Project Address:	777 N. Front St. Burbank, CA	Physical State:	Soil

EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

Sample ID: B10-30.5'

JEL ID: ST9292-36

Analytes:

		<u>Practical Quantitation</u>	<u>Units</u>
		<u>Limit</u>	
Benzene	ND	1.0	µg/kg
Bromobenzene	ND	1.0	µg/kg
Bromodichloromethane	ND	1.0	µg/kg
Bromoform	ND	1.0	µg/kg
n-Butylbenzene	ND	1.0	µg/kg
sec-Butylbenzene	ND	1.0	µg/kg
tert-Butylbenzene	ND	1.0	µg/kg
Carbon tetrachloride	ND	1.0	µg/kg
Chlorobenzene	ND	1.0	µg/kg
Chloroform	ND	1.0	µg/kg
2-Chlorotoluene	ND	1.0	µg/kg
4-Chlorotoluene	ND	1.0	µg/kg
Dibromochloromethane	ND	1.0	µg/kg
1,2-Dibromo-3-chloropropane	ND	1.0	µg/kg
1,2-Dibromoethane (EDB)	ND	1.0	µg/kg
Dibromomethane	ND	1.0	µg/kg
1,2-Dichlorobenzene	ND	1.0	µg/kg
1,3-Dichlorobenzene	ND	1.0	µg/kg
1,4-Dichlorobenzene	ND	1.0	µg/kg
Dichlorodifluoromethane	ND	5.0	µg/kg
1,1-Dichloroethane	ND	1.0	µg/kg
1,2-Dichloroethane	ND	1.0	µg/kg
1,1-Dichloroethene	ND	1.0	µg/kg
cis-1,2-Dichloroethene	ND	1.0	µg/kg
trans-1,2-Dichloroethene	ND	1.0	µg/kg
1,2-Dichloropropane	ND	1.0	µg/kg
1,3-Dichloropropane	ND	1.0	µg/kg
2,2-Dichloropropane	ND	1.0	µg/kg
1,1-Dichloropropene	ND	1.0	µg/kg

JONES ENVIRONMENTAL LABORATORY RESULTS

EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

Sample ID: B10-30.5'

JEL ID: ST9292-36

Analytes:

		Practical Quantitation Limit	Units
cis-1,3-Dichloropropene	ND	1.0	µg/kg
trans-1,3-Dichloropropene	ND	1.0	µg/kg
Ethylbenzene	ND	1.0	µg/kg
Freon 113	ND	5.0	µg/kg
Hexachlorobutadiene	ND	1.0	µg/kg
Isopropylbenzene	ND	1.0	µg/kg
4-Isopropyltoluene	ND	1.0	µg/kg
Methylene chloride	ND	1.0	µg/kg
Naphthalene	ND	1.0	µg/kg
n-Propylbenzene	ND	1.0	µg/kg
Styrene	ND	1.0	µg/kg
1,1,1,2-Tetrachloroethane	ND	1.0	µg/kg
1,1,2,2-Tetrachloroethane	ND	1.0	µg/kg
Tetrachloroethylene	ND	1.0	µg/kg
Toluene	ND	1.0	µg/kg
1,2,3-Trichlorobenzene	ND	1.0	µg/kg
1,2,4-Trichlorobenzene	ND	1.0	µg/kg
1,1,1-Trichloroethane	ND	1.0	µg/kg
1,1,2-Trichloroethane	ND	1.0	µg/kg
Trichloroethylene	ND	1.0	µg/kg
Trichlorofluoromethane	ND	5.0	µg/kg
1,2,3-Trichloropropane	ND	1.0	µg/kg
1,2,4-Trimethylbenzene	ND	1.0	µg/kg
1,3,5-Trimethylbenzene	ND	1.0	µg/kg
Vinyl chloride	ND	1.0	µg/kg
Xylenes	ND	1.0	µg/kg
MTBE	ND	5.0	µg/kg
Ethyl-tert-butylether	ND	5.0	µg/kg
Di-isopropylether	ND	5.0	µg/kg
tert-amylmethylether	ND	5.0	µg/kg
tert-Butylalcohol	ND	50.0	µg/kg
Gasoline Range Organics	ND	0.20	mg/kg

Dilution Factor 1

Surrogate Recoveries:

		QC Limits
Dibromofluoromethane	104%	60 - 140
Toluene-d ₈	106%	60 - 140
4-Bromofluorobenzene	112%	60 - 140

VOC1-050616-
CHECKS

ND= Not Detected



714-449-9937
562-646-1611
805-399-0060

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JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

Client:	Leighton & Associates, Inc.	Report date:	5/12/2016
Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	ST-9292
		Client Ref. No.:	11235.002
Attn:	Robin Ferber	Date Sampled:	5/5/2016
		Date Received:	5/5/2016
Project:	SJ4 Burbank	Date Analyzed:	5/6/2016
Project Address:	777 N. Front St. Burbank, CA	Physical State:	Soil

EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

<u>Sample ID:</u>	METHOD BLANK	METHOD BLANK	METHOD BLANK		
<u>JEL ID:</u>	ST-9292-37	ST-9292-41	ST-9292-45	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:					
Benzene	ND	ND	ND	1.0	µg/kg
Bromobenzene	ND	ND	ND	1.0	µg/kg
Bromodichloromethane	ND	ND	ND	1.0	µg/kg
Bromoform	ND	ND	ND	1.0	µg/kg
n-Butylbenzene	ND	ND	ND	1.0	µg/kg
sec-Butylbenzene	ND	ND	ND	1.0	µg/kg
tert-Butylbenzene	ND	ND	ND	1.0	µg/kg
Carbon tetrachloride	ND	ND	ND	1.0	µg/kg
Chlorobenzene	ND	ND	ND	1.0	µg/kg
Chloroform	ND	ND	ND	1.0	µg/kg
2-Chlorotoluene	ND	ND	ND	1.0	µg/kg
4-Chlorotoluene	ND	ND	ND	1.0	µg/kg
Dibromochloromethane	ND	ND	ND	1.0	µg/kg
1,2-Dibromo-3-chloropropane	ND	ND	ND	1.0	µg/kg
1,2-Dibromoethane (EDB)	ND	ND	ND	1.0	µg/kg
Dibromomethane	ND	ND	ND	1.0	µg/kg
1,2- Dichlorobenzene	ND	ND	ND	1.0	µg/kg
1,3-Dichlorobenzene	ND	ND	ND	1.0	µg/kg
1,4-Dichlorobenzene	ND	ND	ND	1.0	µg/kg
Dichlorodifluoromethane	ND	ND	ND	5.0	µg/kg
1,1-Dichloroethane	ND	ND	ND	1.0	µg/kg
1,2-Dichloroethane	ND	ND	ND	1.0	µg/kg
1,1-Dichloroethene	ND	ND	ND	1.0	µg/kg
cis-1,2-Dichloroethene	ND	ND	ND	1.0	µg/kg
trans-1,2-Dichloroethene	ND	ND	ND	1.0	µg/kg
1,2-Dichloropropane	ND	ND	ND	1.0	µg/kg
1,3-Dichloropropane	ND	ND	ND	1.0	µg/kg
2,2-Dichloropropane	ND	ND	ND	1.0	µg/kg
1,1-Dichloropropene	ND	ND	ND	1.0	µg/kg

JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

<u>Sample ID:</u>	METHOD BLANK	METHOD BLANK	METHOD BLANK		
<u>JEL ID:</u>	ST-9292-37	ST-9292-41	ST-9292-45	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:					
cis-1,3-Dichloropropene	ND	ND	ND	1.0	µg/kg
trans-1,3-Dichloropropene	ND	ND	ND	1.0	µg/kg
Ethylbenzene	ND	ND	ND	1.0	µg/kg
Freon 113	ND	ND	ND	5.0	µg/kg
Hexachlorobutadiene	ND	ND	ND	1.0	µg/kg
Isopropylbenzene	ND	ND	ND	1.0	µg/kg
4-Isopropyltoluene	ND	ND	ND	1.0	µg/kg
Methylene chloride	ND	ND	ND	1.0	µg/kg
Naphthalene	ND	ND	ND	1.0	µg/kg
n-Propylbenzene	ND	ND	ND	1.0	µg/kg
Styrene	ND	ND	ND	1.0	µg/kg
1,1,1,2-Tetrachloroethane	ND	ND	ND	1.0	µg/kg
1,1,2,2-Tetrachloroethane	ND	ND	ND	1.0	µg/kg
Tetrachloroethylene	ND	ND	ND	1.0	µg/kg
Toluene	ND	ND	ND	1.0	µg/kg
1,2,3-Trichlorobenzene	ND	ND	ND	1.0	µg/kg
1,2,4-Trichlorobenzene	ND	ND	ND	1.0	µg/kg
1,1,1-Trichloroethane	ND	ND	ND	1.0	µg/kg
1,1,2-Trichloroethane	ND	ND	ND	1.0	µg/kg
Trichloroethylene	ND	ND	ND	1.0	µg/kg
Trichlorofluoromethane	ND	ND	ND	5.0	µg/kg
1,2,3-Trichloropropane	ND	ND	ND	1.0	µg/kg
1,2,4-Trimethylbenzene	ND	ND	ND	1.0	µg/kg
1,3,5-Trimethylbenzene	ND	ND	ND	1.0	µg/kg
Vinyl chloride	ND	ND	ND	1.0	µg/kg
Xylenes	ND	ND	ND	1.0	µg/kg
MTBE	ND	ND	ND	5.0	µg/kg
Ethyl-tert-butylether	ND	ND	ND	5.0	µg/kg
Di-isopropylether	ND	ND	ND	5.0	µg/kg
tert-amylmethylether	ND	ND	ND	5.0	µg/kg
tert-Butylalcohol	ND	ND	ND	50.0	µg/kg
Gasoline Range Organics	ND	ND	ND	0.20	mg/kg
<u>Dilution Factor</u>	1	1	1		
<u>Surrogate Recoveries:</u>				<u>QC Limits</u>	
Dibromofluoromethane	109%	113%	100%	60 - 140	
Toluene-d ₈	99%	104%	102%	60 - 140	
4-Bromofluorobenzene	103%	107%	107%	60 - 140	

VOC3-050616-
CHECKS VOC3-050616-
CHECKS_2 VOC1-050616-
CHECKS

ND= Not Detected



714-449-9937
562-646-1611
805-399-0060

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JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

Client:	Leighton & Associates, Inc.	Report date:	5/12/2016
Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	ST-9292
		Client Ref. No.:	11235.002
Attn:	Robin Ferber	Date Sampled:	5/5/2016
		Date Received:	5/5/2016
Project:	SJ4 Burbank	Date Analyzed:	5/6/2016
Project Address:	777 N. Front St. Burbank, CA	Physical State:	Soil

EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

Sample Spiked:		CLEAN SOIL		GC#: VOC3-050616-CHECKS		
JEL ID:		ST-9292-39	ST-9292-40		ST-9292-38	
Parameter	MS Recovery (%)	MSD Recovery (%)	RPD	Acceptability Range (%)	LCS	Acceptability Range (%)
Vinyl Chloride	95%	91%	5.0%	60 - 140	96%	70 - 130
1,1-Dichloroethylene	127%	117%	7.9%	60 - 140	135%	70 - 130
Cis-1,2-Dichloroethene	105%	103%	2.3%	70 - 130	112%	70 - 130
1,1,1-Trichloroethane	125%	116%	7.3%	70 - 130	133%	70 - 130
Benzene	115%	109%	5.3%	70 - 130	119%	70 - 130
Trichloroethylene	121%	114%	6.4%	70 - 130	128%	70 - 130
Toluene	94%	91%	4.0%	70 - 130	103%	70 - 130
Tetrachloroethene	105%	101%	4.3%	70 - 130	115%	70 - 130
Chlorobenzene	111%	107%	3.6%	70 - 130	118%	70 - 130
Ethylbenzene	95%	91%	4.7%	70 - 130	101%	70 - 130
1,2,4 Trimethylbenzene	92%	87%	5.8%	70 - 130	99%	70 - 130
Gasoline Range Organics	99%	94%	5.0%	70 - 130		
Surrogate Recovery:						
Dibromofluoromethane	63%	61%		60 - 140	60%	60 - 140
Toluene-d ₈	101%	97%		60 - 140	96%	60 - 140
4-Bromofluorobenzene	137%	132%		60 - 140	132%	60 - 140

MS = Matrix Spike

MSD = Matrix Spike Duplicate

RPD = Relative Percent Difference; Acceptability range for RPD is ≤ 15%



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JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

Client:	Leighton & Associates, Inc.	Report date:	5/12/2016
Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	ST-9292
		Client Ref. No.:	11235.002
Attn:	Robin Ferber	Date Sampled:	5/5/2016
		Date Received:	5/5/2016
Project:	SJ4 Burbank	Date Analyzed:	5/6/2016
Project Address:	777 N. Front St. Burbank, CA	Physical State:	Soil

EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

Sample Spiked:		CLEAN SOIL		GC#: VOC3-050616-CHECKS_2		
JEL ID:	ST-9292-43	ST-9292-44		ST-9292-42		
	MS	MSD		Acceptability		Acceptability
Parameter	Recovery (%)	Recovery (%)	RPD	Range (%)	LCS	Range (%)
Vinyl Chloride	87%	88%	1.3%	60 - 140	88%	70 - 130
1,1-Dichloroethylene	122%	117%	4.2%	60 - 140	120%	70 - 130
Cis-1,2-Dichloroethene	107%	106%	0.9%	70 - 130	105%	70 - 130
1,1,1-Trichloroethane	119%	116%	2.6%	70 - 130	118%	70 - 130
Benzene	117%	113%	3.6%	70 - 130	113%	70 - 130
Trichloroethylene	116%	115%	1.0%	70 - 130	113%	70 - 130
Toluene	88%	92%	4.5%	70 - 130	92%	70 - 130
Tetrachloroethene	98%	100%	1.8%	70 - 130	97%	70 - 130
Chlorobenzene	109%	111%	2.4%	70 - 130	109%	70 - 130
Ethylbenzene	89%	93%	4.6%	70 - 130	91%	70 - 130
1,2,4 Trimethylbenzene	84%	88%	4.5%	70 - 130	87%	70 - 130
Gasoline Range Organics	94%	96%	2.1%	70 - 130		
Surrogate Recovery:						
Dibromofluoromethane	66%	64%		60 - 140	61%	60 - 140
Toluene-d ₈	104%	101%		60 - 140	102%	60 - 140
4-Bromofluorobenzene	131%	137%		60 - 140	136%	60 - 140

MS = Matrix Spike

MSD = Matrix Spike Duplicate

RPD = Relative Percent Difference; Acceptability range for RPD is ≤ 15%



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JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

Client:	Leighton & Associates, Inc.	Report date:	5/12/2016
Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	ST-9292
		Client Ref. No.:	11235.002
Attn:	Robin Ferber	Date Sampled:	5/5/2016
		Date Received:	5/5/2016
Project:	SJ4 Burbank	Date Analyzed:	5/6/2016
Project Address:	777 N. Front St. Burbank, CA	Physical State:	Soil

EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

Sample Spiked:		CLEAN SOIL		GC#: VOC1-050616-CHECKS		
JEL ID:	ST-9292-47	ST-9292-48		ST-9292-46		
Parameter	MS Recovery (%)	MSD Recovery (%)	RPD	Acceptability Range (%)	LCS	Acceptability Range (%)
Vinyl Chloride	99%	99%	0.3%	60 - 140	96%	70 - 130
1,1-Dichloroethylene	126%	120%	5.1%	60 - 140	122%	70 - 130
Cis-1,2-Dichloroethene	106%	105%	1.0%	70 - 130	109%	70 - 130
1,1,1-Trichloroethane	134%	128%	5.0%	70 - 130	135%	70 - 130
Benzene	125%	120%	4.6%	70 - 130	125%	70 - 130
Trichloroethylene	125%	119%	4.8%	70 - 130	126%	70 - 130
Toluene	128%	128%	0.2%	70 - 130	134%	70 - 130
Tetrachloroethene	125%	128%	2.6%	70 - 130	127%	70 - 130
Chlorobenzene	120%	117%	2.8%	70 - 130	122%	70 - 130
Ethylbenzene	123%	125%	1.9%	70 - 130	129%	70 - 130
1,2,4 Trimethylbenzene	123%	120%	2.1%	70 - 130	126%	70 - 130
Gasoline Range Organics	125%	123%	1.2%	70 - 130		
Surrogate Recovery:						
Dibromofluoromethane	104%	99%		60 - 140	103%	60 - 140
Toluene-d ₈	109%	108%		60 - 140	107%	60 - 140
4-Bromofluorobenzene	108%	111%		60 - 140	116%	60 - 140

MS = Matrix Spike

MSD = Matrix Spike Duplicate

RPD = Relative Percent Difference; Acceptability range for RPD is ≤ 15%



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/12/2016
JEL Ref. No.: ST-9292
Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front St.
Burbank, CA

Date Sampled: 5/5/2016
Date Received: 5/5/2016
Date Analyzed: 5/9/2016
Physical State: Soil

Sample ID: B2-1' **JEL ID:** ST-9292-01

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16050601	5/6/2016	5/9/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	155	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	14.3	1	"	"	"	0.5	mg/kg
Chromium, Cr	23.4	1	"	"	"	0.5	mg/kg
Copper, Cu	23.5	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	16.3	1	"	"	"	0.5	mg/kg
Lead, Pb	3.0	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	50.6	1	"	"	"	0.5	mg/kg
Zinc, Zn	62.4	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	ND	1	H16050602	5/6/2016	5/9/2016	0.020	mg/kg

ND= Not Detected



714-449-9937
562-646-1611
805-399-0060

11007 FOREST PLACE
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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Leighton & Associates, Inc.	Report date:	5/12/2016
Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	ST-9292
		Client Ref. No.:	11235.002
Attn:	Robin Ferber	Date Sampled:	5/5/2016
		Date Received:	5/5/2016
Project:	SJ4 Burbank	Date Analyzed:	5/9/2016
Project Address:	777 N. Front St. Burbank, CA	Physical State:	Soil

Sample ID: B2-4.5' **JEL ID:** ST-9292-02

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16050601	5/6/2016	5/9/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	235	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	19.1	1	"	"	"	0.5	mg/kg
Chromium, Cr	33.3	1	"	"	"	0.5	mg/kg
Copper, Cu	38.5	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	24.0	1	"	"	"	0.5	mg/kg
Lead, Pb	4.1	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	69.6	1	"	"	"	0.5	mg/kg
Zinc, Zn	76.1	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	ND	1	H16050602	5/6/2016	5/9/2016	0.020	mg/kg

ND= Not Detected



714-449-9937
562-646-1611
805-399-0060

11007 FOREST PLACE
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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/12/2016
JEL Ref. No.: ST-9292
Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front St.
Burbank, CA

Date Sampled: 5/5/2016
Date Received: 5/5/2016
Date Analyzed: 5/9/2016
Physical State: Soil

Sample ID: B2-8.5' **JEL ID:** ST-9292-03

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16050601	5/6/2016	5/9/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	111	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	10.4	1	"	"	"	0.5	mg/kg
Chromium, Cr	19.0	1	"	"	"	0.5	mg/kg
Copper, Cu	16.5	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	12.6	1	"	"	"	0.5	mg/kg
Lead, Pb	1.2	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	43.3	1	"	"	"	0.5	mg/kg
Zinc, Zn	43.0	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	ND	1	H16050602	5/6/2016	5/9/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/12/2016
JEL Ref. No.: ST-9292
Client Ref. No.: 11235.002

Attn: Robin Ferber

Project: SJ4 Burbank
Project Address: 777 N. Front St.
Burbank, CA

Date Sampled: 5/5/2016
Date Received: 5/5/2016
Date Analyzed: 5/9/2016
Physical State: Soil

Sample ID: B2-14.5' **JEL ID:** ST-9292-04

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16050601	5/6/2016	5/9/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	177	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	17.1	1	"	"	"	0.5	mg/kg
Chromium, Cr	28.5	1	"	"	"	0.5	mg/kg
Copper, Cu	34.9	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	19.9	1	"	"	"	0.5	mg/kg
Lead, Pb	3.3	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	62.7	1	"	"	"	0.5	mg/kg
Zinc, Zn	69.7	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	0.026	1	H16050602	5/6/2016	5/9/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Leighton & Associates, Inc.	Report date:	5/12/2016
Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	ST-9292
		Client Ref. No.:	11235.002
Attn:	Robin Ferber	Date Sampled:	5/5/2016
		Date Received:	5/5/2016
Project:	SJ4 Burbank	Date Analyzed:	5/9/2016
Project Address:	777 N. Front St. Burbank, CA	Physical State:	Soil

Sample ID: B2-20.5' **JEL ID:** ST-9292-05

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16050601	5/6/2016	5/9/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	173	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	15.9	1	"	"	"	0.5	mg/kg
Chromium, Cr	28.6	1	"	"	"	0.5	mg/kg
Copper, Cu	35.6	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	18.7	1	"	"	"	0.5	mg/kg
Lead, Pb	10.6	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	59.0	1	"	"	"	0.5	mg/kg
Zinc, Zn	75.5	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	0.021	1	H16050602	5/6/2016	5/9/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/12/2016
JEL Ref. No.: ST-9292
Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front St.
Burbank, CA

Date Sampled: 5/5/2016
Date Received: 5/5/2016
Date Analyzed: 5/9/2016
Physical State: Soil

Sample ID: B7-1' **JEL ID:** ST-9292-06

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16050601	5/6/2016	5/9/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	128	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	11.0	1	"	"	"	0.5	mg/kg
Chromium, Cr	17.9	1	"	"	"	0.5	mg/kg
Copper, Cu	22.6	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	10.8	1	"	"	"	0.5	mg/kg
Lead, Pb	59.6	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	41.1	1	"	"	"	0.5	mg/kg
Zinc, Zn	62.8	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	0.030	1	H16050602	5/6/2016	5/9/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Leighton & Associates, Inc.	Report date:	5/12/2016
Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	ST-9292
		Client Ref. No.:	11235.002
Attn:	Robin Ferber	Date Sampled:	5/5/2016
		Date Received:	5/5/2016
Project:	SJ4 Burbank	Date Analyzed:	5/9/2016
Project Address:	777 N. Front St. Burbank, CA	Physical State:	Soil

Sample ID: B7-4.5' **JEL ID:** ST-9292-07

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16050601	5/6/2016	5/9/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	189	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	16.9	1	"	"	"	0.5	mg/kg
Chromium, Cr	29.7	1	"	"	"	0.5	mg/kg
Copper, Cu	33.4	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	20.5	1	"	"	"	0.5	mg/kg
Lead, Pb	3.8	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	63.5	1	"	"	"	0.5	mg/kg
Zinc, Zn	70.5	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	0.036	1	H16050602	5/6/2016	5/9/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Leighton & Associates, Inc.	Report date:	5/12/2016
Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	ST-9292
		Client Ref. No.:	11235.002
Attn:	Robin Ferber	Date Sampled:	5/5/2016
		Date Received:	5/5/2016
Project:	SJ4 Burbank	Date Analyzed:	5/9/2016
Project Address:	777 N. Front St. Burbank, CA	Physical State:	Soil

Sample ID: B7-8.5' **JEL ID:** ST-9292-08

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16050601	5/6/2016	5/9/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	81.2	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	8.0	1	"	"	"	0.5	mg/kg
Chromium, Cr	17.8	1	"	"	"	0.5	mg/kg
Copper, Cu	19.7	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	16.9	1	"	"	"	0.5	mg/kg
Lead, Pb	0.7	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	33.8	1	"	"	"	0.5	mg/kg
Zinc, Zn	32.3	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	ND	1	H16050602	5/6/2016	5/9/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/12/2016
JEL Ref. No.: ST-9292
Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front St.
Burbank, CA

Date Sampled: 5/5/2016
Date Received: 5/5/2016
Date Analyzed: 5/9/2016
Physical State: Soil

Sample ID: B7-14.5' **JEL ID:** ST-9292-09

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16050601	5/6/2016	5/9/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	106	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	10.8	1	"	"	"	0.5	mg/kg
Chromium, Cr	19.0	1	"	"	"	0.5	mg/kg
Copper, Cu	19.3	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	11.4	1	"	"	"	0.5	mg/kg
Lead, Pb	1.0	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	44.1	1	"	"	"	0.5	mg/kg
Zinc, Zn	44.0	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	ND	1	H16050602	5/6/2016	5/9/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/12/2016
JEL Ref. No.: ST-9292
Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front St.
Burbank, CA

Date Sampled: 5/5/2016
Date Received: 5/5/2016
Date Analyzed: 5/9/2016
Physical State: Soil

Sample ID: B7-20.5' **JEL ID:** ST-9292-10

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16050602	5/6/2016	5/9/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	267	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	19.1	1	"	"	"	0.5	mg/kg
Chromium, Cr	29.7	1	"	"	"	0.5	mg/kg
Copper, Cu	40.2	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	23.0	1	"	"	"	0.5	mg/kg
Lead, Pb	3.9	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	67.7	1	"	"	"	0.5	mg/kg
Zinc, Zn	75.2	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	ND	1	H16050602	5/6/2016	5/9/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Leighton & Associates, Inc.	Report date:	5/12/2016
Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	ST-9292
		Client Ref. No.:	11235.002
Attn:	Robin Ferber	Date Sampled:	5/5/2016
		Date Received:	5/5/2016
Project:	SJ4 Burbank	Date Analyzed:	5/9/2016
Project Address:	777 N. Front St. Burbank, CA	Physical State:	Soil

Sample ID: LB5-1' **JEL ID:** ST-9292-11

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16050602	5/6/2016	5/9/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	183	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	15.6	1	"	"	"	0.5	mg/kg
Chromium, Cr	27.2	1	"	"	"	0.5	mg/kg
Copper, Cu	33.4	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	19.5	1	"	"	"	0.5	mg/kg
Lead, Pb	4.9	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	57.7	1	"	"	"	0.5	mg/kg
Zinc, Zn	87.7	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	ND	1	H16050602	5/6/2016	5/9/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/12/2016
JEL Ref. No.: ST-9292
Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front St.
Burbank, CA

Date Sampled: 5/5/2016
Date Received: 5/5/2016
Date Analyzed: 5/9/2016
Physical State: Soil

Sample ID: LB5-1D **JEL ID:** ST-9292-12

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16050602	5/6/2016	5/9/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	41.4	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	9.8	1	"	"	"	0.5	mg/kg
Chromium, Cr	22.7	1	"	"	"	0.5	mg/kg
Copper, Cu	10.5	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	21.3	1	"	"	"	0.5	mg/kg
Lead, Pb	1.3	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	31.8	1	"	"	"	0.5	mg/kg
Zinc, Zn	28.4	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	0.026	1	H16050602	5/6/2016	5/9/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/12/2016
JEL Ref. No.: ST-9292
Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front St.
Burbank, CA

Date Sampled: 5/5/2016
Date Received: 5/5/2016
Date Analyzed: 5/9/2016
Physical State: Soil

Sample ID: LB5-4.5' **JEL ID:** ST-9292-13

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16050602	5/6/2016	5/9/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	189	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	16.2	1	"	"	"	0.5	mg/kg
Chromium, Cr	26.9	1	"	"	"	0.5	mg/kg
Copper, Cu	30.9	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	19.2	1	"	"	"	0.5	mg/kg
Lead, Pb	2.7	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	59.0	1	"	"	"	0.5	mg/kg
Zinc, Zn	65.2	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	0.052	1	H16050602	5/6/2016	5/9/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Leighton & Associates, Inc.	Report date:	5/12/2016
Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	ST-9292
		Client Ref. No.:	11235.002
Attn:	Robin Ferber	Date Sampled:	5/5/2016
		Date Received:	5/5/2016
Project:	SJ4 Burbank	Date Analyzed:	5/9/2016
Project Address:	777 N. Front St. Burbank, CA	Physical State:	Soil

Sample ID: LB5-8.5' **JEL ID:** ST-9292-14

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16050602	5/6/2016	5/9/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	209	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	20.3	1	"	"	"	0.5	mg/kg
Chromium, Cr	35.4	1	"	"	"	0.5	mg/kg
Copper, Cu	37.6	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	24.8	1	"	"	"	0.5	mg/kg
Lead, Pb	4.6	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	70.6	1	"	"	"	0.5	mg/kg
Zinc, Zn	79.2	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	ND	1	H16050701	5/7/2016	5/9/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Leighton & Associates, Inc.	Report date:	5/12/2016
Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	ST-9292
		Client Ref. No.:	11235.002
Attn:	Robin Ferber	Date Sampled:	5/5/2016
		Date Received:	5/5/2016
Project:	SJ4 Burbank	Date Analyzed:	5/9/2016
Project Address:	777 N. Front St. Burbank, CA	Physical State:	Soil

Sample ID: LB5-14.5' **JEL ID:** ST-9292-15

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16050602	5/6/2016	5/9/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	85.4	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	9.6	1	"	"	"	0.5	mg/kg
Chromium, Cr	12.9	1	"	"	"	0.5	mg/kg
Copper, Cu	15.5	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	8.3	1	"	"	"	0.5	mg/kg
Lead, Pb	0.9	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	41.3	1	"	"	"	0.5	mg/kg
Zinc, Zn	41.4	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	ND	1	H16050701	5/7/2016	5/9/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Leighton & Associates, Inc.	Report date:	5/12/2016
Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	ST-9292
		Client Ref. No.:	11235.002
Attn:	Robin Ferber	Date Sampled:	5/5/2016
		Date Received:	5/5/2016
Project:	SJ4 Burbank	Date Analyzed:	5/9/2016
Project Address:	777 N. Front St. Burbank, CA	Physical State:	Soil

Sample ID: LB5-20.5' **JEL ID:** ST-9292-16

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16050602	5/6/2016	5/9/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	202	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	17.2	1	"	"	"	0.5	mg/kg
Chromium, Cr	31.1	1	"	"	"	0.5	mg/kg
Copper, Cu	37.7	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	21.7	1	"	"	"	0.5	mg/kg
Lead, Pb	4.0	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	66.5	1	"	"	"	0.5	mg/kg
Zinc, Zn	72.0	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	0.021	1	H16050701	5/7/2016	5/9/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Leighton & Associates, Inc.	Report date:	5/12/2016
Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	ST-9292
		Client Ref. No.:	11235.002
Attn:	Robin Ferber	Date Sampled:	5/5/2016
		Date Received:	5/5/2016
Project:	SJ4 Burbank	Date Analyzed:	5/9/2016
Project Address:	777 N. Front St. Burbank, CA	Physical State:	Soil

Sample ID: B8-1' **JEL ID:** ST-9292-17

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16050602	5/6/2016	5/9/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	87.8	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	7.6	1	"	"	"	0.5	mg/kg
Chromium, Cr	10.2	1	"	"	"	0.5	mg/kg
Copper, Cu	12.3	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	6.8	1	"	"	"	0.5	mg/kg
Lead, Pb	2.5	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	28.2	1	"	"	"	0.5	mg/kg
Zinc, Zn	40.4	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	0.022	1	H16050701	5/7/2016	5/9/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Leighton & Associates, Inc.	Report date:	5/12/2016
Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	ST-9292
		Client Ref. No.:	11235.002
Attn:	Robin Ferber	Date Sampled:	5/5/2016
		Date Received:	5/5/2016
Project:	SJ4 Burbank	Date Analyzed:	5/9/2016
Project Address:	777 N. Front St. Burbank, CA	Physical State:	Soil

Sample ID: B8-4.5' **JEL ID:** ST-9292-18

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16050602	5/6/2016	5/9/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	184	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	17.0	1	"	"	"	0.5	mg/kg
Chromium, Cr	29.5	1	"	"	"	0.5	mg/kg
Copper, Cu	32.0	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	20.8	1	"	"	"	0.5	mg/kg
Lead, Pb	2.8	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	64.3	1	"	"	"	0.5	mg/kg
Zinc, Zn	67.8	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	ND	1	H16050701	5/7/2016	5/9/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Leighton & Associates, Inc.	Report date:	5/12/2016
Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	ST-9292
		Client Ref. No.:	11235.002
Attn:	Robin Ferber	Date Sampled:	5/5/2016
		Date Received:	5/5/2016
Project:	SJ4 Burbank	Date Analyzed:	5/9/2016
Project Address:	777 N. Front St. Burbank, CA	Physical State:	Soil

Sample ID: B8-8.5' **JEL ID:** ST-9292-19

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16050602	5/6/2016	5/9/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	153	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	13.8	1	"	"	"	0.5	mg/kg
Chromium, Cr	22.4	1	"	"	"	0.5	mg/kg
Copper, Cu	25.2	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	15.5	1	"	"	"	0.5	mg/kg
Lead, Pb	1.8	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	52.9	1	"	"	"	0.5	mg/kg
Zinc, Zn	50.6	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	ND	1	H16050701	5/7/2016	5/9/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/12/2016
JEL Ref. No.: ST-9292
Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front St.
Burbank, CA

Date Sampled: 5/5/2016
Date Received: 5/5/2016
Date Analyzed: 5/9/2016
Physical State: Soil

Sample ID: B8-8.5D **JEL ID:** ST-9292-20

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16050602	5/6/2016	5/9/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	131	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	13.2	1	"	"	"	0.5	mg/kg
Chromium, Cr	21.8	1	"	"	"	0.5	mg/kg
Copper, Cu	23.7	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	15.3	1	"	"	"	0.5	mg/kg
Lead, Pb	1.9	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	50.5	1	"	"	"	0.5	mg/kg
Zinc, Zn	48.9	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	ND	1	H16050701	5/7/2016	5/9/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Leighton & Associates, Inc.	Report date:	5/12/2016
Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	ST-9292
		Client Ref. No.:	11235.002
Attn:	Robin Ferber	Date Sampled:	5/5/2016
		Date Received:	5/5/2016
Project:	SJ4 Burbank	Date Analyzed:	5/9/2016
Project Address:	777 N. Front St. Burbank, CA	Physical State:	Soil

Sample ID: B8-14.5' **JEL ID:** ST-9292-21

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16050602	5/6/2016	5/9/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	97.0	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	8.2	1	"	"	"	0.5	mg/kg
Chromium, Cr	16.0	1	"	"	"	0.5	mg/kg
Copper, Cu	14.8	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	9.0	1	"	"	"	0.5	mg/kg
Lead, Pb	0.9	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	37.2	1	"	"	"	0.5	mg/kg
Zinc, Zn	36.7	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	ND	1	H16050701	5/7/2016	5/9/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/12/2016
JEL Ref. No.: ST-9292
Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front St.
Burbank, CA

Date Sampled: 5/5/2016
Date Received: 5/5/2016
Date Analyzed: 5/9/2016
Physical State: Soil

Sample ID: B8-20.5' **JEL ID:** ST-9292-22

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16050602	5/6/2016	5/9/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	131	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	13.2	1	"	"	"	0.5	mg/kg
Chromium, Cr	22.4	1	"	"	"	0.5	mg/kg
Copper, Cu	22.4	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	15.3	1	"	"	"	0.5	mg/kg
Lead, Pb	2.2	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	50.6	1	"	"	"	0.5	mg/kg
Zinc, Zn	53.9	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	ND	1	H16050701	5/7/2016	5/9/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/12/2016
JEL Ref. No.: ST-9292
Client Ref. No.: 11235.002

Attn: Robin Ferber

Project: SJ4 Burbank
Project Address: 777 N. Front St.
Burbank, CA

Date Sampled: 5/5/2016
Date Received: 5/5/2016
Date Analyzed: 5/9/2016
Physical State: Soil

Sample ID: B9-1' **JEL ID:** ST-9292-23

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16050602	5/6/2016	5/9/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	116	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	10.0	1	"	"	"	0.5	mg/kg
Chromium, Cr	14.3	1	"	"	"	0.5	mg/kg
Copper, Cu	18.0	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	9.8	1	"	"	"	0.5	mg/kg
Lead, Pb	4.7	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	37.2	1	"	"	"	0.5	mg/kg
Zinc, Zn	57.0	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	ND	1	H16050701	5/7/2016	5/9/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Leighton & Associates, Inc.	Report date:	5/12/2016
Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	ST-9292
		Client Ref. No.:	11235.002
Attn:	Robin Ferber	Date Sampled:	5/5/2016
		Date Received:	5/5/2016
Project:	SJ4 Burbank	Date Analyzed:	5/9/2016
Project Address:	777 N. Front St. Burbank, CA	Physical State:	Soil

Sample ID: B9-4.5' **JEL ID:** ST-9292-24

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16050602	5/6/2016	5/9/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	190	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	16.7	1	"	"	"	0.5	mg/kg
Chromium, Cr	29.5	1	"	"	"	0.5	mg/kg
Copper, Cu	33.3	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	21.0	1	"	"	"	0.5	mg/kg
Lead, Pb	3.0	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	62.8	1	"	"	"	0.5	mg/kg
Zinc, Zn	68.4	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	ND	1	H16050701	5/7/2016	5/9/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/12/2016
JEL Ref. No.: ST-9292
Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front St.
Burbank, CA

Date Sampled: 5/5/2016
Date Received: 5/5/2016
Date Analyzed: 5/9/2016
Physical State: Soil

Sample ID: B9-8.5' **JEL ID:** ST-9292-25

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16050602	5/6/2016	5/9/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	158	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	14.2	1	"	"	"	0.5	mg/kg
Chromium, Cr	25.7	1	"	"	"	0.5	mg/kg
Copper, Cu	25.8	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	17.7	1	"	"	"	0.5	mg/kg
Lead, Pb	2.1	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	56.0	1	"	"	"	0.5	mg/kg
Zinc, Zn	56.1	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	ND	1	H16050701	5/7/2016	5/9/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Leighton & Associates, Inc.	Report date:	5/12/2016
Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	ST-9292
		Client Ref. No.:	11235.002
Attn:	Robin Ferber	Date Sampled:	5/5/2016
		Date Received:	5/5/2016
Project:	SJ4 Burbank	Date Analyzed:	5/9/2016
Project Address:	777 N. Front St. Burbank, CA	Physical State:	Soil

Sample ID: B9-14.5' **JEL ID:** ST-9292-26

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16050602	5/6/2016	5/9/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	124	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	9.8	1	"	"	"	0.5	mg/kg
Chromium, Cr	13.6	1	"	"	"	0.5	mg/kg
Copper, Cu	15.2	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	8.6	1	"	"	"	0.5	mg/kg
Lead, Pb	ND	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	41.5	1	"	"	"	0.5	mg/kg
Zinc, Zn	39.2	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	ND	1	H16050701	5/7/2016	5/9/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/12/2016
JEL Ref. No.: ST-9292
Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front St.
Burbank, CA

Date Sampled: 5/5/2016
Date Received: 5/5/2016
Date Analyzed: 5/9/2016
Physical State: Soil

Sample ID: B9-20.5' **JEL ID:** ST-9292-27

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16050602	5/6/2016	5/9/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	215	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	17.5	1	"	"	"	0.5	mg/kg
Chromium, Cr	29.2	1	"	"	"	0.5	mg/kg
Copper, Cu	36.9	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	21.2	1	"	"	"	0.5	mg/kg
Lead, Pb	4.1	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	65.0	1	"	"	"	0.5	mg/kg
Zinc, Zn	68.2	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	0.028	1	H16050701	5/7/2016	5/9/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/12/2016
JEL Ref. No.: ST-9292
Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front St.
Burbank, CA

Date Sampled: 5/5/2016
Date Received: 5/5/2016
Date Analyzed: 5/9/2016
Physical State: Soil

Sample ID: B9-25.5' **JEL ID:** ST-9292-28

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16050602	5/6/2016	5/9/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	111	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	10.3	1	"	"	"	0.5	mg/kg
Chromium, Cr	17.7	1	"	"	"	0.5	mg/kg
Copper, Cu	18.8	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	11.3	1	"	"	"	0.5	mg/kg
Lead, Pb	2.3	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	43.3	1	"	"	"	0.5	mg/kg
Zinc, Zn	46.0	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	ND	1	H16050701	5/7/2016	5/9/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Leighton & Associates, Inc.	Report date:	5/12/2016
Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	ST-9292
		Client Ref. No.:	11235.002
Attn:	Robin Ferber	Date Sampled:	5/5/2016
		Date Received:	5/5/2016
Project:	SJ4 Burbank	Date Analyzed:	5/9/2016
Project Address:	777 N. Front St. Burbank, CA	Physical State:	Soil

Sample ID: B9-30.5' **JEL ID:** ST-9292-29

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16050602	5/6/2016	5/9/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	112	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	11.0	1	"	"	"	0.5	mg/kg
Chromium, Cr	18.7	1	"	"	"	0.5	mg/kg
Copper, Cu	20.1	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	12.4	1	"	"	"	0.5	mg/kg
Lead, Pb	2.1	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	49.9	1	"	"	"	0.5	mg/kg
Zinc, Zn	44.6	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	ND	1	H16050701	5/7/2016	5/9/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Leighton & Associates, Inc.	Report date:	5/12/2016
Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	ST-9292
		Client Ref. No.:	11235.002
Attn:	Robin Ferber	Date Sampled:	5/5/2016
		Date Received:	5/5/2016
Project:	SJ4 Burbank	Date Analyzed:	5/9/2016
Project Address:	777 N. Front St. Burbank, CA	Physical State:	Soil

Sample ID: B10-1' **JEL ID:** ST-9292-30

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16050701	5/7/2016	5/9/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	169	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	14.1	1	"	"	"	0.5	mg/kg
Chromium, Cr	24.6	1	"	"	"	0.5	mg/kg
Copper, Cu	25.6	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	16.7	1	"	"	"	0.5	mg/kg
Lead, Pb	5.2	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	56.1	1	"	"	"	0.5	mg/kg
Zinc, Zn	69.3	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	ND	1	H16050701	5/7/2016	5/9/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Leighton & Associates, Inc.	Report date:	5/12/2016
Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	ST-9292
		Client Ref. No.:	11235.002
Attn:	Robin Ferber	Date Sampled:	5/5/2016
		Date Received:	5/5/2016
Project:	SJ4 Burbank	Date Analyzed:	5/9/2016
Project Address:	777 N. Front St. Burbank, CA	Physical State:	Soil

Sample ID: B10-4.5' **JEL ID:** ST-9292-31

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16050701	5/7/2016	5/9/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	221	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	18.1	1	"	"	"	0.5	mg/kg
Chromium, Cr	29.6	1	"	"	"	0.5	mg/kg
Copper, Cu	36.5	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	22.0	1	"	"	"	0.5	mg/kg
Lead, Pb	3.1	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	66.7	1	"	"	"	0.5	mg/kg
Zinc, Zn	73.7	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	ND	1	H16050701	5/7/2016	5/9/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Leighton & Associates, Inc.	Report date:	5/12/2016
Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	ST-9292
		Client Ref. No.:	11235.002
Attn:	Robin Ferber	Date Sampled:	5/5/2016
		Date Received:	5/5/2016
Project:	SJ4 Burbank	Date Analyzed:	5/9/2016
Project Address:	777 N. Front St. Burbank, CA	Physical State:	Soil

Sample ID: B10-8.5' **JEL ID:** ST-9292-32

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16050701	5/7/2016	5/9/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	236	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	19.6	1	"	"	"	0.5	mg/kg
Chromium, Cr	34.6	1	"	"	"	0.5	mg/kg
Copper, Cu	39.3	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	24.9	1	"	"	"	0.5	mg/kg
Lead, Pb	3.4	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	72.6	1	"	"	"	0.5	mg/kg
Zinc, Zn	77.3	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	ND	1	H16050701	5/7/2016	5/9/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Leighton & Associates, Inc.	Report date:	5/12/2016
Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	ST-9292
		Client Ref. No.:	11235.002
Attn:	Robin Ferber	Date Sampled:	5/5/2016
		Date Received:	5/5/2016
Project:	SJ4 Burbank	Date Analyzed:	5/9/2016
Project Address:	777 N. Front St. Burbank, CA	Physical State:	Soil

Sample ID: B10-14.5' **JEL ID:** ST-9292-33

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16050701	5/7/2016	5/9/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	97.8	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	8.2	1	"	"	"	0.5	mg/kg
Chromium, Cr	13.6	1	"	"	"	0.5	mg/kg
Copper, Cu	13.6	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	8.4	1	"	"	"	0.5	mg/kg
Lead, Pb	ND	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	38.2	1	"	"	"	0.5	mg/kg
Zinc, Zn	35.5	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	ND	1	H16050701	5/7/2016	5/9/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Leighton & Associates, Inc.	Report date:	5/12/2016
Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	ST-9292
		Client Ref. No.:	11235.002
Attn:	Robin Ferber	Date Sampled:	5/5/2016
		Date Received:	5/5/2016
Project:	SJ4 Burbank	Date Analyzed:	5/9/2016
Project Address:	777 N. Front St. Burbank, CA	Physical State:	Soil

Sample ID: B10-20.5' **JEL ID:** ST-9292-34

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16050701	5/7/2016	5/9/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	222	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	18.6	1	"	"	"	0.5	mg/kg
Chromium, Cr	30.7	1	"	"	"	0.5	mg/kg
Copper, Cu	35.6	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	22.1	1	"	"	"	0.5	mg/kg
Lead, Pb	3.0	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	71.0	1	"	"	"	0.5	mg/kg
Zinc, Zn	71.3	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	0.021	1	H16050702	5/7/2016	5/9/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Leighton & Associates, Inc.	Report date:	5/12/2016
Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	ST-9292
		Client Ref. No.:	11235.002
Attn:	Robin Ferber	Date Sampled:	5/5/2016
		Date Received:	5/5/2016
Project:	SJ4 Burbank	Date Analyzed:	5/9/2016
Project Address:	777 N. Front St. Burbank, CA	Physical State:	Soil

Sample ID: B10-25.5' **JEL ID:** ST-9292-35

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16050701	5/7/2016	5/9/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	214	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	15.9	1	"	"	"	0.5	mg/kg
Chromium, Cr	30.4	1	"	"	"	0.5	mg/kg
Copper, Cu	51.5	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	19.9	1	"	"	"	0.5	mg/kg
Lead, Pb	3.1	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	79.8	1	"	"	"	0.5	mg/kg
Zinc, Zn	65.6	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	ND	1	H16050702	5/7/2016	5/9/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Leighton & Associates, Inc.	Report date:	5/12/2016
Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	ST-9292
		Client Ref. No.:	11235.002
Attn:	Robin Ferber	Date Sampled:	5/5/2016
		Date Received:	5/5/2016
Project:	SJ4 Burbank	Date Analyzed:	5/9/2016
Project Address:	777 N. Front St. Burbank, CA	Physical State:	Soil

Sample ID: B10-30.5' **JEL ID:** ST-9292-36

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16050701	5/7/2016	5/9/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	139	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	13.5	1	"	"	"	0.5	mg/kg
Chromium, Cr	16.0	1	"	"	"	0.5	mg/kg
Copper, Cu	18.2	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	12.5	1	"	"	"	0.5	mg/kg
Lead, Pb	1.8	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	48.6	1	"	"	"	0.5	mg/kg
Zinc, Zn	53.1	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	ND	1	H16050702	5/7/2016	5/9/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

Client:	Leighton & Associates, Inc.	Report date:	5/12/2016
Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	ST-9292
		Client Ref. No.:	10/4/1930
Attn:	Robin Ferber	Date Sampled:	5/5/2016
		Date Received:	5/5/2016
Project:	SJ4 Burbank	Date Analyzed:	5/9/2016
Project Address:	777 N. Front St. Burbank, CA	Physical State:	Soil

BATCH: I16050601 **Prepared:** 5/6/2016 **Analyzed:** 5/9/2016

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	Result	Spike Level	% REC	% REC Limits	% RPD	Practical Quantitation Limit	Units
METHOD BLANK:	I160506-BLK1						
Analytes:							
Silver, Ag	ND					0.5	mg/kg
Arsenic, As	ND					0.5	mg/kg
Barium, Ba	ND					0.5	mg/kg
Beryllium, Be	ND					0.5	mg/kg
Cadmium, Cd	ND					0.5	mg/kg
Cobalt, Co	ND					0.5	mg/kg
Chromium, Cr	ND					0.5	mg/kg
Copper, Cu	ND					0.5	mg/kg
Molybdenum, Mo	ND					0.5	mg/kg
Nickel, Ni	ND					0.5	mg/kg
Lead, Pb	ND					0.5	mg/kg
Antimony, Sb	ND					0.5	mg/kg
Selenium, Se	ND					0.5	mg/kg
Thallium, Tl	ND					0.5	mg/kg
Vanadium, V	ND					0.5	mg/kg
Zinc, Zn	ND					0.5	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

Client:	Leighton & Associates, Inc.	Report date:	5/12/2016
Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	ST-9292
		Client Ref. No.:	10/4/1930
Attn:	Robin Ferber	Date Sampled:	5/5/2016
		Date Received:	5/5/2016
Project:	SJ4 Burbank	Date Analyzed:	5/9/2016
Project Address:	777 N. Front St. Burbank, CA	Physical State:	Soil

BATCH: I16050601 **Prepared:** 5/6/2016 **Analyzed:** 5/9/2016

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	Result	Spike Level	Source Result	% REC	% RPD	% REC Limits	Units
MATRIX SPIKE: I160506-LCS1							
Barium, Ba	213	200	ND	106%		75 - 125	mg/kg
Cobalt, Co	56.9	50.0	ND	114%		75 - 125	mg/kg
Lead, Pb	55.3	50.0	ND	111%		75 - 125	mg/kg
Selenium, Se	186	200	ND	93%		75 - 125	mg/kg
Zinc, Zn	55.3	50.0	ND	111%		75 - 125	mg/kg
MATRIX SPIKE DUPLICATE: I160506-LCSD1							
Barium, Ba	219	200	ND	110%	3.0%	75 - 125	mg/kg
Cobalt, Co	58.4	50.0	ND	117%	2.6%	75 - 125	mg/kg
Lead, Pb	57.3	50.0	ND	115%	3.6%	75 - 125	mg/kg
Selenium, Se	194	200	ND	97%	3.9%	75 - 125	mg/kg
Zinc, Zn	56.0	50.0	ND	112%	1.2%	75 - 125	mg/kg

ND= Not Detected

RPD = Relative Percent Difference; Acceptability range for RPD is $\leq 15\%$



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JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

Client:	Leighton & Associates, Inc.	Report date:	5/12/2016
Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	ST-9292
		Client Ref. No.:	10/4/1930
Attn:	Robin Ferber	Date Sampled:	5/5/2016
		Date Received:	5/5/2016
Project:	SJ4 Burbank	Date Analyzed:	5/9/2016
Project Address:	777 N. Front St. Burbank, CA	Physical State:	Soil

BATCH: I1650602 **Prepared:** 5/6/2016 **Analyzed:** 5/9/2016

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	Result	Spike Level	% REC	% REC Limits	% RPD	Practical Quantitation Limit	Units
METHOD BLANK:	I160506-BLK2						
Analytes:							
Silver, Ag	ND					0.5	mg/kg
Arsenic, As	ND					0.5	mg/kg
Barium, Ba	ND					0.5	mg/kg
Beryllium, Be	ND					0.5	mg/kg
Cadmium, Cd	ND					0.5	mg/kg
Cobalt, Co	ND					0.5	mg/kg
Chromium, Cr	ND					0.5	mg/kg
Copper, Cu	ND					0.5	mg/kg
Molybdenum, Mo	ND					0.5	mg/kg
Nickel, Ni	ND					0.5	mg/kg
Lead, Pb	ND					0.5	mg/kg
Antimony, Sb	ND					0.5	mg/kg
Selenium, Se	ND					0.5	mg/kg
Thallium, Tl	ND					0.5	mg/kg
Vanadium, V	ND					0.5	mg/kg
Zinc, Zn	ND					0.5	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

Client:	Leighton & Associates, Inc.	Report date:	5/12/2016
Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	ST-9292
		Client Ref. No.:	10/4/1930
Attn:	Robin Ferber	Date Sampled:	5/5/2016
		Date Received:	5/5/2016
Project:	SJ4 Burbank	Date Analyzed:	5/9/2016
Project Address:	777 N. Front St. Burbank, CA	Physical State:	Soil

BATCH: I1650602 **Prepared:** 5/6/2016 **Analyzed:** 5/9/2016

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	Result	Spike Level	Source Result	% REC	% RPD	% REC Limits	Units
LCS: I160506-LCS2							
Barium, Ba	218	200	ND	109%		75 - 125	mg/kg
Cobalt, Co	58.9	50.0	ND	118%		75 - 125	mg/kg
Lead, Pb	56.6	50.0	ND	113%		75 - 125	mg/kg
Selenium, Se	191	200	ND	95%		75 - 125	mg/kg
Zinc, Zn	54.3	50.0	ND	109%		75 - 125	mg/kg
LCSD: I160506-LCSD2							
Barium, Ba	214	200	ND	107%	2.1%	75 - 125	mg/kg
Cobalt, Co	58.0	50.0	ND	116%	1.7%	75 - 125	mg/kg
Lead, Pb	55.1	50.0	ND	110%	2.7%	75 - 125	mg/kg
Selenium, Se	186	200	ND	93%	2.6%	75 - 125	mg/kg
Zinc, Zn	53.1	50.0	ND	106%	2.3%	75 - 125	mg/kg

ND= Not Detected

RPD = Relative Percent Difference; Acceptability range for RPD is $\leq 15\%$



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JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

Client:	Leighton & Associates, Inc.	Report date:	5/12/2016
Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	ST-9292
		Client Ref. No.:	10/4/1930
Attn:	Robin Ferber	Date Sampled:	5/5/2016
		Date Received:	5/5/2016
Project:	SJ4 Burbank	Date Analyzed:	5/9/2016
Project Address:	777 N. Front St. Burbank, CA	Physical State:	Soil

BATCH: I16050701 **Prepared:** 5/7/2016 **Analyzed:** 5/9/2016

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	Result	Spike Level	% REC	% REC Limits	% RPD	Practical Quantitation Limit	Units
METHOD BLANK:	I160507-BLK1						
Analytes:							
Silver, Ag	ND					0.5	mg/kg
Arsenic, As	ND					0.5	mg/kg
Barium, Ba	ND					0.5	mg/kg
Beryllium, Be	ND					0.5	mg/kg
Cadmium, Cd	ND					0.5	mg/kg
Cobalt, Co	ND					0.5	mg/kg
Chromium, Cr	ND					0.5	mg/kg
Copper, Cu	ND					0.5	mg/kg
Molybdenum, Mo	ND					0.5	mg/kg
Nickel, Ni	ND					0.5	mg/kg
Lead, Pb	ND					0.5	mg/kg
Antimony, Sb	ND					0.5	mg/kg
Selenium, Se	ND					0.5	mg/kg
Thallium, Tl	ND					0.5	mg/kg
Vanadium, V	ND					0.5	mg/kg
Zinc, Zn	ND					0.5	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

Client:	Leighton & Associates, Inc.	Report date:	5/12/2016
Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	ST-9292
		Client Ref. No.:	10/4/1930
Attn:	Robin Ferber	Date Sampled:	5/5/2016
		Date Received:	5/5/2016
Project:	SJ4 Burbank	Date Analyzed:	5/9/2016
Project Address:	777 N. Front St. Burbank, CA	Physical State:	Soil

BATCH: I16050701 **Prepared:** 5/7/2016 **Analyzed:** 5/9/2016

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	Result	Spike Level	Source Result	% REC	% RPD	% REC Limits	Units
LCS: I160507-LCS1							
Barium, Ba	216	200	ND	108%		75 - 125	mg/kg
Cobalt, Co	57.2	50.0	ND	114%		75 - 125	mg/kg
Lead, Pb	53.8	50.0	ND	108%		75 - 125	mg/kg
Selenium, Se	178	200	ND	89%		75 - 125	mg/kg
Zinc, Zn	55.7	50.0	ND	111%		75 - 125	mg/kg
LCSD: I160507-LCSD1							
Barium, Ba	207	200	ND	103%	4.2%	75 - 125	mg/kg
Cobalt, Co	54.7	50.0	ND	109%	4.4%	75 - 125	mg/kg
Lead, Pb	52.6	50.0	ND	105%	2.3%	75 - 125	mg/kg
Selenium, Se	175	200	ND	88%	1.8%	75 - 125	mg/kg
Zinc, Zn	51.3	50.0	ND	103%	8.3%	75 - 125	mg/kg

ND= Not Detected

RPD = Relative Percent Difference; Acceptability range for RPD is $\leq 15\%$



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JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

Client:	Leighton & Associates, Inc.	Report date:	5/12/2016
Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	ST-9292
		Client Ref. No.:	10/4/1930
Attn:	Robin Ferber	Date Sampled:	5/5/2016
Project:	SJ4 Burbank	Date Received:	5/5/2016
Project Address:	777 N. Front St. Burbank, CA	Date Analyzed:	5/9/2016
		Physical State:	Soil

BATCH: H16050602 **Prepared:** 5/6/2016 **Analyzed:** 5/9/2016

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	Result	Spike Level	Source Result	% REC	% RPD	% REC Limits	Units
METHOD BLANK:	H160506-BLK2						
Analytes:							
Mercury, Hg	ND						mg/kg
LCS:	H160506-LCS2						
Mercury, Hg	0.86	1.00	ND	86%		75 - 125	mg/kg
LCSD:	H160506-LCSD2						
Mercury, Hg	0.86	1.00	ND	86%	0.2%	75 - 125	mg/kg

ND= Not Detected

RPD = Relative Percent Difference; Acceptability range for RPD is $\leq 15\%$



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JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

Client:	Leighton & Associates, Inc.	Report date:	5/12/2016
Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	ST-9292
		Client Ref. No.:	10/4/1930
Attn:	Robin Ferber	Date Sampled:	5/5/2016
Project:	SJ4 Burbank	Date Received:	5/5/2016
Project Address:	777 N. Front St. Burbank, CA	Date Analyzed:	5/9/2016
		Physical State:	Soil

BATCH: H16050701 **Prepared:** 5/7/2016 **Analyzed:** 5/9/2016

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	Result	Spike Level	Source Result	% REC	% RPD	% REC Limits	Units
METHOD BLANK:	H160507-BLK1						
Analytes:							
Mercury, Hg	ND						mg/kg
LCS:	H160507-LCS1						
Mercury, Hg	0.87	1.00	ND	87%		75 - 125	mg/kg
LCSD:	H160507-LCSD1						
Mercury, Hg	0.87	1.00	ND	87%	0.8%	75 - 125	mg/kg

ND= Not Detected

RPD = Relative Percent Difference; Acceptability range for RPD is $\leq 15\%$



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JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

Client:	Leighton & Associates, Inc.	Report date:	5/12/2016
Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	ST-9292
		Client Ref. No.:	10/4/1930
Attn:	Robin Ferber	Date Sampled:	5/5/2016
Project:	SJ4 Burbank	Date Received:	5/5/2016
Project Address:	777 N. Front St. Burbank, CA	Date Analyzed:	5/9/2016
		Physical State:	Soil

BATCH: H16050702 **Prepared:** 5/7/2016 **Analyzed:** 5/9/2016

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	Result	Spike Level	Source Result	% REC	% RPD	% REC Limits	Units
METHOD BLANK:	H160507-BLK2						
Analytes:							
Mercury, Hg	ND						mg/kg
LCS:	H160507-LCS2						
Mercury, Hg	0.87	1.00	ND	87%		75 - 125	mg/kg
LCSD:	H160507-LCSD2						
Mercury, Hg	0.85	1.00	ND	85%	1.9%	75 - 125	mg/kg

ND= Not Detected

RPD = Relative Percent Difference; Acceptability range for RPD is $\leq 15\%$



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Chain-of-Custody Record

Client		Date		SOIL GAS		Analysis Requested		JEL Project #	
Project Name		Client Project #		Purge Number: ☐ 1P ☐ 3P ☐ 7P ☐ 10P		Analysis Requested		Page 1 of 4	
Project Address		Turn Around Requested:		Purge Rate: cc/min		Analysis Requested		Lab Use Only	
Project Contact		Rush: ☐ 24 ☐ 48 ☐ 72		Shut in Test Y / N		Analysis Requested		Sample Condition as Received:	
Sample ID		Sample Collection Time		Sample Analysis Time		Analysis Requested		Chilled ☐ yes ☐ no	
Purge Number		Sample Volume		Sample Matrix:		Analysis Requested		Sealed ☐ yes ☐ no	
Purge Volume		Date		Laboratory Sample Number		Analysis Requested		Remarks/Special Instructions	
B2-1'		5/5/16	0818		ST-9292-01	8260B VEGS	4		
B2-4.5'		0819			ST-9292-02	8015M TPHGC			
B2-8.5'		0823			ST-9292-03	6010 metals			
B2-14.5'		0829			ST-9292-04				
B2-20.5'		0835			ST-9292-05				
B7-1'		0915			ST-9292-06				
B7-4.5'		0918			ST-9292-07				
B7-8.5'		0923			ST-9292-08				
B7-14.5'		0926			ST-9292-09				
B7-20.5'		0930			ST-9292-10				
1 Relinquished by (signature)		Date		Received by (signature)		Date		Total Number of Containers	
Leighton		5/5/16		HLP		5/5/16			
Company		Time		Company		Time			
Leighton		15:00		JEL		15:00			
3 Relinquished by (signature)		Date		Received by Laboratory (signature)		Date		The delivery of samples and the signature on this Chain of Custody form constitutes authorization to perform the analyses specified above under the Terms and Conditions set forth on the back hereof.	
Leighton		5/5/16		WJL		5/5/16			
Company		Time		Company		Time			
JEL		17:30		Jones Environmental Inc		17:30			



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Chain-of-Custody Record

Client		Date		SOIL GAS		JEL Project #				
Leighton		5/5/16		Purge Number: ☐ 1P ☐ 3P ☐ 7P ☐ 10P		ST-9292				
Project Name		Client Project #		Purge Rate: cc/min		Page 2 of 4				
SSU		11235		Shut in Test Y / N		Lab Use Only				
Project Address		Turn Around Requested:		Tracer:		Sample Condition as Received:				
777 N Frost St		☐ Immediate Attention		☐ n-propanol		☐ Chilled ☐ yes ☐ no				
Burbank		Rush: ☐ 24 ☐ 48 ☐ 72		☒ Normal		☐ Sealed ☐ yes ☐ no				
Project Contact		☐ Mobile Lab								
Robin Ferber										
Sample ID	Purge Number	Purge Volume	Date	Sample Collection Time	Sample Analysis Time	Laboratory Sample Number	Sample Matrix: Soil (S), Sludge (SL), Aqueous (A), Soil Gas (SG)	Analysis Requested	Number of Containers	Remarks/Special Instructions
LBS-1'			5/5/16	1010		ST-9292-11	S	X	1	H
LBS-1D				1010		ST-9292-12		X	1	
LBS-4.5'				1050		ST-9292-13		X	1	
LBS-8.5'				1053		ST-9292-14		X	1	
LBS-14.5'				1058		ST-9292-15		X	1	
LBS-20.5'				1102		ST-9292-16		X	1	
B58-1'				1214		ST-9292-17		X	1	
B58-4.5'				1216		ST-9292-18		X	1	
B58-8.5'				1220		ST-9292-19		X	1	
B58-8.5D				1220		ST-9292-20		X	1	
1 Relinquished by (signature)				2 Received by (signature)		Date		Total Number of Containers		
[Signature]				[Signature]		5/5/16				
Company				Company		Time				
Leighton				JEL		15:00				
3 Relinquished by (signature)				4 Received by Laboratory (signature)		Date				
[Signature]				[Signature]		5/5/16				
Company				Company		Time				
JEL				Jones Environmental Inc		17:30				

The delivery of samples and the signature on this Chain of Custody form constitutes authorization to perform the analyses specified above under the Terms and Conditions set forth on the back hereof.

☐ EDD ☐ EDF



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Chain-of-Custody Record

Client		Date		SOIL GAS		JEL Project #	
Project Name		Client Project #		Purge Number: ☐ 1P ☐ 3P ☐ 7P ☐ 10P		Page 3 of 4	
Project Address		Turn Around Requested:		Purge Rate: cc/min		Lab Use Only	
Project Contact		Rush: ☐ 24 ☐ 48 ☐ 72		Shut in Test Y / N		Sample Condition as Received:	
Sample ID		Sample Collection Time		Tracer: ☐ n-propanol ☐ n-pentane ☐ 1,1-DFA ☐ Helium ☐		Chilled ☐ yes ☐ no	
Purge Number	Purge Volume	Date	Sample Analysis Time	Laboratory Sample Number	Sample Matrix: ☐ Soil (S) ☐ Sludge (SL) ☐ Aqueous (A) ☐ Soil Gas (SG)	Sealed ☐ yes ☐ no	
						Analysis Requested	
						Magnetic Vacuum (In/H ₂ O)	
						Number of Containers	
						Remarks/Special Instructions	
B8-14.5'		5/5/16	1225	ST-9292-21	8260B VCS	4	
B8-20.5'		1228		ST-9292-22	8015M TPTCS		
B9-1'		1307		ST-9292-23	8260B VCS		
B9-4.5'		1309		ST-9292-24	8015M TPTCS		
B9-8.5'		1312		ST-9292-25	8260B VCS		
B9-14.5'		1315		ST-9292-26	8015M TPTCS		
B9-20.5'		1319		ST-9292-27	8260B VCS		
B9-25.5'		1323		ST-9292-28	8015M TPTCS		
B9-30.5'		1327		ST-9292-29	8260B VCS		
1 Relinquished by (signature) [Signature]			2 Received by (signature) [Signature]		Total Number of Containers		
Date 5/5/16			Date 5/5/16				
Time 15:00			Time 15:00				
Company Leighton			Company JEL				
3 Relinquished by (signature) [Signature]			4 Received by Laboratory (signature) [Signature]		The delivery of samples and the signature on this Chain of Custody form constitutes authorization to perform the analyses specified above under the Terms and Conditions set forth on the back hereof.		
Date 5/5/16			Date 5/5/16				
Time 17:30			Time 17:30				
Company Leighton			Company Jones Environmental Inc				



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Chain-of-Custody Record

Client		Date		SOIL GAS		Purge Number: ☐ 1P ☐ 3P ☐ 7P ☐ 10P		Analysis Requested		JEL Project #	
Project Name		Client Project #		Purge Rate: cc/min		Shut in Test Y / N		Sample Matrix: Soil (S), Sludge (SL), Aqueous (A), Soil Gas (SG)		Page 4 of 4	
Project Address		Turn Around Requested:		Tracer:		Laboratory Sample Number		Remarks/Special Instructions		Lab Use Only	
Project Contact		Rush: ☐ 24 ☐ 48 ☐ 72		☐ Immediate Attention		☐ n-propanol ☐ n-pentane ☐ 1,1-DFA ☐ Helium		Sample Condition as Received: ☐ Chilled ☐ yes ☐ no ☐ Sealed ☐ yes ☐ no			
Sample ID	Purge Number	Purge Volume	Sample Collection Time	Sample Analysis Time	Date	Sample Matrix	Laboratory Sample Number	Analysis Requested	Number of Containers		
B10-1'			1303		5/5/16	Soil (S)	ST-9292-30	6015m TPHC	4		
B10-4.5'			1305			Soil (S)	ST-9292-31				
B10-8.5'			1308			Soil (S)	ST-9292-32				
B10-14.5'			1311			Soil (S)	ST-9292-33				
B10-20.5'			1315			Soil (S)	ST-9292-34				
B10-25.5'			1318			Soil (S)	ST-9292-35				
B10-30.5'			1320			Soil (S)	ST-9292-36				
1 Relinquished by (signature)		Date		2 Received by (signature)		Date		Total Number of Containers			
Company		Time		Company		Time					
Leighton		5/5/16		JEL		5/5/16					
3 Relinquished by (signature)		Date		4 Received by Laboratory (signature)		Date		The delivery of samples and the signature on this Chain of Custody form constitutes authorization to perform the analyses specified above under the Terms and Conditions set forth on the back hereof.			
Company		Time		Company		Time					
JEL		17:30		Jones Environmental Inc		17:30					



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**JONES ENVIRONMENTAL
LABORATORY RESULTS**

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/12/2016
JEL Ref. No.: ST-9293
Client Ref. No: 11235.002

Attn: Robin Ferber

Date Sampled: 5/4-5/2016

Project: SJ4 Burbank
Project Address: 777 N. Front St.
Burbank, CA

Date Received: 5/5/2016

Date Analyzed: 5/6-7,9-12/2016

Physical State: Soil

ANALYSES REQUESTED

1. EPA 8015M – Semivolatile Hydrocarbons as Diesel & Oil
2. EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics
3. EPA 6010B by 3050B and EPA 7471A – CAM 17 Metals

Approval:

Steve Jones, Ph.D.
Laboratory Manager



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Leighton & Associates, Inc.	Report date:	5/12/2016
Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	ST-9293
		Client Ref No.:	11235.002
Attn:	Robin Ferber	Date Sampled:	5/4-5/2016
Project:	SJ4 Burbank	Date Received:	5/5/2016
Project Address:	777 N. Front Street Burbank, CA	Date Analyzed:	5/7-9,12/2016
		Physical State:	Soil

EPA 8015M – Semivolatile Hydrocarbons as Diesel & Oil

<u>Sample ID:</u>	A5-1.25'	A5-4.5'	A5B-1'	A5B-4.5'	A5B-8.5'		
<u>JEL ID:</u>	ST-9293-01	ST-9293-02	ST-9293-03	ST-9293-04	ST-9293-05	<u>Practical Quantitation Limit</u>	<u>Units</u>
Carbon Chain Range							
Diesel Range Organics (C10-C28)	ND	ND	241	ND	ND	10.0	mg/kg
Oil Range Organics (C29-C32)	ND	ND	169	ND	ND	10.0	mg/kg
<u>Dilution Factor</u>	1	1	1	1	1		
<u>Surrogate Recovery:</u>						<u>QC Limits</u>	
Hexacosane	58%	80%	120%	76%	60%	30 - 120	
<u>Batch ID:</u>	8015_ 160507_01	8015_ 160507_01	8015_ 160507_01	8015_ 160507_01	8015_ 160507_01		

ND = Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/12/2016
JEL Ref. No.: ST-9293
Client Ref No.: 11235.002

Attn: Robin Ferber

Date Sampled: 5/4-5/2016

Project: SJ4 Burbank
Project Address: 777 N. Front Street
Burbank, CA

Date Received: 5/5/2016

Date Analyzed: 5/7&9/2016

Physical State: Soil

EPA 8015M – Semivolatile Hydrocarbons as Diesel & Oil

<u>Sample ID:</u>	A5B-14.5'	A5B-20.5'	A6-1'	A6-4.5'	A6-8.5'		
<u>JEL ID:</u>	ST-9293-06	ST-9293-07	ST-9293-08	ST-9293-09	ST-9293-10	<u>Practical Quantitation Limit</u>	<u>Units</u>
Carbon Chain Range							
Diesel Range Organics (C10-C28)	ND	ND	ND	ND	ND	10.0	mg/kg
Oil Range Organics (C29-C32)	ND	ND	ND	ND	ND	10.0	mg/kg
 <u>Dilution Factor</u>	1	1	1	1	1		
 <u>Surrogate Recovery:</u>						<u>QC Limits</u>	
Hexacosane	61%	61%	63%	53%	83%	30 - 120	
 <u>Batch ID:</u>	8015_ 160507_01	8015_ 160507_01	8015_ 160507_01	8015_ 160507_01	8015_ 160507_01		

ND = Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Leighton & Associates, Inc.	Report date:	5/12/2016
Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	ST-9293
		Client Ref No.:	11235.002
Attn:	Robin Ferber	Date Sampled:	5/4-5/2016
Project:	SJ4 Burbank	Date Received:	5/5/2016
Project Address:	777 N. Front Street Burbank, CA	Date Analyzed:	5/7-9,12/2016
		Physical State:	Soil

EPA 8015M – Semivolatile Hydrocarbons as Diesel & Oil

<u>Sample ID:</u>	A6-14.5'	A6-20.5'	A6-20.5'-D	A7-1'	A7-3.5'		
<u>JEL ID:</u>	ST-9293-11	ST-9293-12	ST-9293-13	ST-9293-14	ST-9293-15	<u>Practical Quantitation Limit</u>	<u>Units</u>
Carbon Chain Range							
Diesel Range Organics (C10-C28)	ND	ND	ND	ND	21.8	10.0	mg/kg
Oil Range Organics (C29-C32)	ND	ND	ND	ND	ND	10.0	mg/kg
 <u>Dilution Factor</u>	1	1	1	1	1		
 <u>Surrogate Recovery:</u>						<u>QC Limits</u>	
Hexacosane	70%	57%	76%	69%	95%	30 - 120	
 <u>Batch ID:</u>	8015_ 160507_01	8015_ 160507_01	8015_ 160507_01	8015_ 160507_01	8015_ 160507_01		

ND = Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Leighton & Associates, Inc.	Report date:	5/12/2016
Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	ST-9293
		Client Ref No.:	11235.002
Attn:	Robin Ferber	Date Sampled:	5/4-5/2016
Project:	SJ4 Burbank	Date Received:	5/5/2016
Project Address:	777 N. Front Street Burbank, CA	Date Analyzed:	5/7-9,12/2016
		Physical State:	Soil

EPA 8015M – Semivolatile Hydrocarbons as Diesel & Oil

<u>Sample ID:</u>	A7-8.5'	A7-14.5'	A7-20.5'	A8-1'	A8-4.5'		
<u>JEL ID:</u>	ST-9293-16	ST-9293-17	ST-9293-18	ST-9293-19	ST-9293-20	<u>Practical Quantitation Limit</u>	<u>Units</u>
Carbon Chain Range							
Diesel Range Organics (C10-C28)	ND	ND	ND	ND	ND	10.0	mg/kg
Oil Range Organics (C29-C32)	ND	ND	ND	ND	ND	10.0	mg/kg
 <u>Dilution Factor</u>	1	1	1	1	1		
 <u>Surrogate Recovery:</u>						<u>QC Limits</u>	
Hexacosane	61%	85%	42%	56%	45%	30 - 120	
 <u>Batch ID:</u>	8015_ 160507_01	8015_ 160507_01	8015_ 160507_01	8015_ 160507_02	8015_ 160509_01		

ND = Not Detected



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11007 FOREST PLACE
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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Leighton & Associates, Inc.	Report date:	5/12/2016
Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	ST-9293
		Client Ref No.:	11235.002
Attn:	Robin Ferber	Date Sampled:	5/4-5/2016
Project:	SJ4 Burbank	Date Received:	5/5/2016
Project Address:	777 N. Front Street Burbank, CA	Date Analyzed:	5/7-9,12/2016
		Physical State:	Soil

EPA 8015M – Semivolatile Hydrocarbons as Diesel & Oil

<u>Sample ID:</u>	A8-8.5'	A8-14.5'	A8-20.5'	A9-1'	A9-4.5'		
<u>JEL ID:</u>	ST-9293-21	ST-9293-22	ST-9293-23	ST-9293-24	ST-9293-25	<u>Practical Quantitation Limit</u>	<u>Units</u>
Carbon Chain Range							
Diesel Range Organics (C10-C28)	ND	ND	ND	ND	ND	10.0	mg/kg
Oil Range Organics (C29-C32)	ND	ND	ND	ND	ND	10.0	mg/kg
 <u>Dilution Factor</u>	 1	 1	 1	 1	 1		
 <u>Surrogate Recovery:</u>						 <u>QC Limits</u>	
Hexacosane	71%	70%	69%	107%	92%	30 - 120	
 <u>Batch ID:</u>	 8015_ 160507_02	 8015_ 160507_02	 8015_ 160507_02	 8015_ 160507_02	 8015_ 160507_02		

ND = Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Leighton & Associates, Inc.	Report date:	5/12/2016
Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	ST-9293
		Client Ref No.:	11235.002
Attn:	Robin Ferber	Date Sampled:	5/4-5/2016
Project:	SJ4 Burbank	Date Received:	5/5/2016
Project Address:	777 N. Front Street Burbank, CA	Date Analyzed:	5/7-9,12/2016
		Physical State:	Soil

EPA 8015M – Semivolatile Hydrocarbons as Diesel & Oil

<u>Sample ID:</u>	A9-8.5'	A9-14.5'	A9-20.5'	A9-20.5'-D	A9-25.5'		
<u>JEL ID:</u>	ST-9293-26	ST-9293-27	ST-9293-28	ST-9293-29	ST-9293-30	<u>Practical Quantitation Limit</u>	<u>Units</u>
Carbon Chain Range							
Diesel Range Organics (C10-C28)	ND	ND	ND	ND	ND	10.0	mg/kg
Oil Range Organics (C29-C32)	ND	ND	ND	ND	ND	10.0	mg/kg
<u>Dilution Factor</u>	1	1	1	1	1		
<u>Surrogate Recovery:</u>						<u>QC Limits</u>	
Hexacosane	102%	98%	51%	77%	77%	30 - 120	
<u>Batch ID:</u>	8015_ 160507_02	8015_ 160507_02	8015_ 160507_02	8015_ 160507_02	8015_ 160507_02		

ND = Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Leighton & Associates, Inc.	Report date:	5/12/2016
Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	ST-9293
		Client Ref No.:	11235.002
Attn:	Robin Ferber	Date Sampled:	5/4-5/2016
Project:	SJ4 Burbank	Date Received:	5/5/2016
Project Address:	777 N. Front Street Burbank, CA	Date Analyzed:	5/7-9,12/2016
		Physical State:	Soil

EPA 8015M – Semivolatile Hydrocarbons as Diesel & Oil

<u>Sample ID:</u>	A9-30.5'	A10-1'	A10-14.5'	A10-20.5'	A10-25.5'		
<u>JEL ID:</u>	ST-9293-31	ST-9293-32	ST-9293-33	ST-9293-34	ST-9293-35	<u>Practical Quantitation Limit</u>	<u>Units</u>
Carbon Chain Range							
Diesel Range Organics (C10-C28)	ND	ND	ND	ND	ND	10.0	mg/kg
Oil Range Organics (C29-C32)	ND	ND	ND	ND	ND	10.0	mg/kg
 <u>Dilution Factor</u>	1	1	1	1	1		
 <u>Surrogate Recovery:</u>						<u>QC Limits</u>	
Hexacosane	85%	98%	89%	88%	123%	30 - 120	
 <u>Batch ID:</u>	8015_ 160507_02	8015_ 160507_02	8015_ 160507_02	8015_ 160507_02	8015_ 160507_02		

ND = Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/12/2016
JEL Ref. No.: ST-9293
Client Ref No.: 11235.002

Attn: Robin Ferber

Date Sampled: 5/4-5/2016

Project: SJ4 Burbank
Project Address: 777 N. Front Street
Burbank, CA

Date Received: 5/5/2016
Date Analyzed: 5/7-9,12/2016
Physical State: Soil

EPA 8015M – Semivolatile Hydrocarbons as Diesel & Oil

<u>Sample ID:</u>	A10-30.5'	LB4-1'	LB4-4.5'	LB4-8.5'	LB4-14.5'		
<u>JEL ID:</u>	ST-9293-36	ST-9293-37	ST-9293-38	ST-9293-39	ST-9293-40	<u>Practical Quantitation Limit</u>	<u>Units</u>
Carbon Chain Range							
Diesel Range Organics (C10-C28)	ND	ND	ND	ND	ND	10.0	mg/kg
Oil Range Organics (C29-C32)	ND	ND	ND	ND	ND	10.0	mg/kg
 <u>Dilution Factor</u>	1	1	1	1	1		
 <u>Surrogate Recovery:</u>						<u>QC Limits</u>	
Hexacosane	107%	93%	106%	95%	49%	30 - 120	
 <u>Batch ID:</u>	8015_ 160507_02	8015_ 160507_02	8015_ 160509_01	8015_ 160509_01	8015_ 160509_01		

ND = Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Leighton & Associates, Inc.	Report date:	5/12/2016
Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	ST-9293
		Client Ref No.:	11235.002
Attn:	Robin Ferber	Date Sampled:	5/4-5/2016
Project:	SJ4 Burbank	Date Received:	5/5/2016
Project Address:	777 N. Front Street Burbank, CA	Date Analyzed:	5/7-9,12/2016
		Physical State:	Soil

EPA 8015M – Semivolatile Hydrocarbons as Diesel & Oil

<u>Sample ID:</u>	LB4-20.5'	LB6-1'	LB6-5'	LB6-11'	LB6-17'		
<u>JEL ID:</u>	ST-9293-41	ST-9293-42	ST-9293-43	ST-9293-44	ST-9293-45	<u>Practical Quantitation Limit</u>	<u>Units</u>
Carbon Chain Range							
Diesel Range Organics (C10-C28)	ND	79.1	ND	ND	ND	10.0	mg/kg
Oil Range Organics (C29-C32)	ND	356	ND	ND	ND	10.0	mg/kg
<u>Dilution Factor</u>	1	1	1	1	1		
<u>Surrogate Recovery:</u>						<u>QC Limits</u>	
Hexacosane	80%	96%	86%	40%	84%	30 - 120	
<u>Batch ID:</u>	8015_ 160509_01	8015_ 160509_01	8015_ 160509_01	8015_ 160509_01	8015_ 160509_01		

ND = Not Detected



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JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/12/2016
JEL Ref. No.: ST-9293
Client Ref No.: 11235.002

Attn: Robin Ferber

Date Sampled: 5/4-5/2016

Project: SJ4 Burbank
Project Address: 777 N. Front Street
Burbank, CA

Date Received: 5/5/2016
Date Analyzed: 5/7-9,12/2016
Physical State: Soil

EPA 8015M – Semivolatile Hydrocarbons as Diesel & Oil

<u>Sample ID:</u>	METHOD BLANK	METHOD BLANK	METHOD BLANK		
<u>JEL ID:</u>	MB- 160507_01	MB- 160507_02	MB- 160509_01	<u>Practical Quantitation Limit</u>	<u>Units</u>
Carbon Chain Range					
Diesel Range Organics (C10-C28)	ND	ND	ND	10.0	mg/kg
Oil Range Organics (C29-C32)	ND	ND	ND	10.0	mg/kg
 <u>Dilution Factor</u>	 1	 1	 1		
 <u>Surrogate Recovery:</u>				 <u>QC Limits</u>	
Hexacosane	104%	93%	88%	30 - 120	
 <u>Batch ID:</u>	 8015_ 160507_01	 8015_ 160507_02	 8015_ 160509_01		

ND = Not Detected



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JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

Client:	Leighton & Associates, Inc.	Report date:	5/12/2016
Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	ST-9293
		Client Ref No.:	11235.002
Attn:	Robin Ferber	Date Sampled:	5/4-5/2016
		Date Received:	5/5/2016
Project:	SJ4 Burbank	Date Analyzed:	5/7-9,12/2016
Project Address:	777 N. Front Street Burbank, CA	Physical State:	Soil

BATCH: 8015_160507_01 **Prepared:** 5/7/2016 **Analyzed:** 5/7/2016

EPA 8015M – Semivolatile Hydrocarbons as Diesel & Oil

	Result	Spike Level	Source Result	% Recovery	% RPD	% Recovery Limits	Units
LCS:	LCS-160507_01	SAMPLE SPIKED:		CLEAN SOIL			
Analyte:							
Diesel	359	600	ND	60%		60 - 140	mg/kg
Surrogate Recovery:							
Hexacosane				73%		30 - 120	
LCSD:	LCSD-160507_01	SAMPLE SPIKED:		CLEAN SOIL			
Analyte:							
Diesel	362	600	ND	60%	0.8%	60 - 140	mg/kg
Surrogate Recoveries:							
Hexacosane				73%		30 - 120	

LCS = Laboratory Control Sample
RPD = Relative Percent Difference



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JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

Client:	Leighton & Associates, Inc.	Report date:	5/12/2016
Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	ST-9293
		Client Ref No.:	11235.002
Attn:	Robin Ferber	Date Sampled:	5/4-5/2016
		Date Received:	5/5/2016
Project:	SJ4 Burbank	Date Analyzed:	5/7-9,12/2016
Project Address:	777 N. Front Street Burbank, CA	Physical State:	Soil

BATCH: 8015_160507_02 **Prepared:** 5/7/2016 **Analyzed:** 5/12/2016

EPA 8015M – Semivolatile Hydrocarbons as Diesel & Oil

	Result	Spike Level	Source Result	% Recovery	% RPD	% Recovery Limits	Units
LCS:	LCS-160507_02		SAMPLE SPIKED:		CLEAN SOIL		
Analyte:							
Diesel	621	600	ND	104%		60 - 140	mg/kg
Surrogate Recovery:							
Hexacosane				67%		30 - 120	
LCSD:	LCSD-160507_02		SAMPLE SPIKED:		CLEAN SOIL		
Analyte:							
Diesel	604	600	ND	101%	2.8%	60 - 140	mg/kg
Surrogate Recoveries:							
Hexacosane				48%		30 - 120	

LCS = Laboratory Control Sample
RPD = Relative Percent Difference



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JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

Client:	Leighton & Associates, Inc.	Report date:	5/12/2016
Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	ST-9293
		Client Ref No.:	11235.002
Attn:	Robin Ferber	Date Sampled:	5/4-5/2016
		Date Received:	5/5/2016
Project:	SJ4 Burbank	Date Analyzed:	5/7-9,12/2016
Project Address:	777 N. Front Street Burbank, CA	Physical State:	Soil

BATCH: 8015_160509_01 **Prepared:** 5/9/2016 **Analyzed:** 5/9/2016

EPA 8015M – Semivolatile Hydrocarbons as Diesel & Oil

	Result	Spike Level	Source Result	% Recovery	% RPD	% Recovery Limits	Units
LCS:	LCS-160509_01	SAMPLE SPIKED:		CLEAN SOIL			
Analyte:							
Diesel	537	600	ND	90%		60 - 140	mg/kg
Surrogate Recovery:							
Hexacosane				76%		30 - 120	
LCSD:	LCSD-160509_01	SAMPLE SPIKED:		CLEAN SOIL			
Analyte:							
Diesel	524	600	ND	87%	2.5%	60 - 140	mg/kg
Surrogate Recoveries:							
Hexacosane				72%		30 - 120	

LCS = Laboratory Control Sample
RPD = Relative Percent Difference



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/12/2016
JEL Ref. No.: ST-9293
Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front Street
Burbank, CA

Date Sampled: 5/4-5/2016
Date Received: 5/5/2016
Date Analyzed: 5/6-7&9/2016
Physical State: Soil

EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

<u>Sample ID:</u>	A5-1.25'	A5-4.5'	A5B-1'	A5B-4.5'	A5B-8.5'		
<u>JEL ID:</u>	ST-9293-01	ST-9293-02	ST-9293-03	ST-9293-04	ST-9293-05	<u>Practical Quantitation</u>	<u>Units</u>
<u>Analytes:</u>						<u>Limit</u>	
Benzene	ND	ND	ND	ND	ND	1.0	µg/kg
Bromobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Bromodichloromethane	ND	ND	ND	ND	ND	1.0	µg/kg
Bromoform	ND	ND	ND	ND	ND	1.0	µg/kg
n-Butylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
sec-Butylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
tert-Butylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Carbon tetrachloride	ND	ND	ND	ND	ND	1.0	µg/kg
Chlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Chloroform	ND	ND	ND	ND	ND	1.0	µg/kg
2-Chlorotoluene	ND	ND	ND	ND	ND	1.0	µg/kg
4-Chlorotoluene	ND	ND	ND	ND	ND	1.0	µg/kg
Dibromochloromethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	ND	1.0	µg/kg
Dibromomethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2- Dichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Dichlorodifluoromethane	ND	ND	ND	ND	ND	5.0	µg/kg
1,1-Dichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1-Dichloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,3-Dichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
2,2-Dichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1-Dichloropropene	ND	ND	ND	ND	ND	1.0	µg/kg

JONES ENVIRONMENTAL LABORATORY RESULTS

EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

<u>Sample ID:</u>	A5-1.25'	A5-4.5'	A5B-1'	A5B-4.5'	A5B-8.5'		
<u>JEL ID:</u>	ST-9293-01	ST-9293-02	ST-9293-03	ST-9293-04	ST-9293-05	<u>Practical Quantitation</u>	<u>Units</u>
Analytes:						<u>Limit</u>	
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	1.0	µg/kg
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	1.0	µg/kg
Ethylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Freon 113	ND	ND	ND	ND	ND	5.0	µg/kg
Hexachlorobutadiene	ND	ND	ND	ND	ND	1.0	µg/kg
Isopropylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
4-Isopropyltoluene	ND	ND	ND	ND	ND	1.0	µg/kg
Methylene chloride	ND	ND	ND	ND	ND	1.0	µg/kg
Naphthalene	ND	ND	ND	ND	ND	1.0	µg/kg
n-Propylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Styrene	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
Tetrachloroethylene	810*	32.2	253*	39.8	16.0	1.0	µg/kg
Toluene	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
Trichloroethylene	2.8	ND	ND	ND	ND	1.0	µg/kg
Trichlorofluoromethane	ND	ND	ND	ND	ND	5.0	µg/kg
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Vinyl chloride	ND	ND	ND	ND	ND	1.0	µg/kg
Xylenes	ND	ND	ND	ND	ND	1.0	µg/kg
MTBE	ND	ND	ND	ND	ND	5.0	µg/kg
Ethyl-tert-butylether	ND	ND	ND	ND	ND	5.0	µg/kg
Di-isopropylether	ND	ND	ND	ND	ND	5.0	µg/kg
tert-amylmethylether	ND	ND	ND	ND	ND	5.0	µg/kg
tert-Butylalcohol	ND	ND	ND	ND	ND	50.0	µg/kg
Gasoline Range Organics	ND	ND	ND	ND	ND	0.20	mg/kg
<u>Dilution Factor</u>	1/10*	1	1/9*	1	1		
Surrogate Recoveries:						QC Limits	
Dibromofluoromethane	106%	108%	106%	107%	104%	60 - 140	
Toluene-d ₈	110%	107%	109%	105%	104%	60 - 140	
4-Bromofluorobenzene	117%	112%	114%	114%	118%	60 - 140	
	VOC1-050616- CHECKS & VOC3-050916- CHECKS*	VOC1-050616- CHECKS	VOC1-050616- CHECKS & VOC3-050916- CHECKS*	VOC1-050616- CHECKS	VOC1-050616- CHECKS		

ND= Not Detected

* = Dilution for these compound(s); first number for all others



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/12/2016
JEL Ref. No.: ST-9293
Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front Street
Burbank, CA

Date Sampled: 5/4-5/2016
Date Received: 5/5/2016
Date Analyzed: 5/6-7&9/2016
Physical State: Soil

EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

<u>Sample ID:</u>	A5B-14.5'	A5B-20.5'	A6-1'	A6-4.5'	A6-8.5'		
<u>JEL ID:</u>	ST-9293-06	ST-9293-07	ST-9293-08	ST-9293-09	ST-9293-10	<u>Practical Quantitation</u>	<u>Units</u>
<u>Analytes:</u>						<u>Limit</u>	
Benzene	ND	ND	ND	ND	ND	1.0	µg/kg
Bromobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Bromodichloromethane	ND	ND	ND	ND	ND	1.0	µg/kg
Bromoform	ND	ND	ND	ND	ND	1.0	µg/kg
n-Butylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
sec-Butylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
tert-Butylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Carbon tetrachloride	ND	ND	ND	ND	ND	1.0	µg/kg
Chlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Chloroform	ND	ND	ND	ND	ND	1.0	µg/kg
2-Chlorotoluene	ND	ND	ND	ND	ND	1.0	µg/kg
4-Chlorotoluene	ND	ND	ND	ND	ND	1.0	µg/kg
Dibromochloromethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	ND	1.0	µg/kg
Dibromomethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2- Dichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Dichlorodifluoromethane	ND	ND	ND	ND	ND	5.0	µg/kg
1,1-Dichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1-Dichloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,3-Dichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
2,2-Dichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1-Dichloropropene	ND	ND	ND	ND	ND	1.0	µg/kg

JONES ENVIRONMENTAL LABORATORY RESULTS

EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

<u>Sample ID:</u>	A5B-14.5'	A5B-20.5'	A6-1'	A6-4.5'	A6-8.5'		
<u>JEL ID:</u>	ST-9293-06	ST-9293-07	ST-9293-08	ST-9293-09	ST-9293-10	<u>Practical Quantitation</u>	<u>Units</u>
<u>Analytes:</u>						<u>Limit</u>	
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	1.0	µg/kg
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	1.0	µg/kg
Ethylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Freon 113	ND	ND	ND	ND	ND	5.0	µg/kg
Hexachlorobutadiene	ND	ND	ND	ND	ND	1.0	µg/kg
Isopropylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
4-Isopropyltoluene	ND	ND	ND	ND	ND	1.0	µg/kg
Methylene chloride	ND	ND	ND	ND	ND	1.0	µg/kg
Naphthalene	ND	ND	ND	ND	ND	1.0	µg/kg
n-Propylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Styrene	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
Tetrachloroethylene	181	57.5	ND	13.7	2.0	1.0	µg/kg
Toluene	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
Trichloroethylene	ND	ND	ND	ND	ND	1.0	µg/kg
Trichlorofluoromethane	ND	ND	ND	ND	ND	5.0	µg/kg
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Vinyl chloride	ND	ND	ND	ND	ND	1.0	µg/kg
Xylenes	ND	ND	ND	ND	ND	1.0	µg/kg
MTBE	ND	ND	ND	ND	ND	5.0	µg/kg
Ethyl-tert-butylether	ND	ND	ND	ND	ND	5.0	µg/kg
Di-isopropylether	ND	ND	ND	ND	ND	5.0	µg/kg
tert-amylmethylether	ND	ND	ND	ND	ND	5.0	µg/kg
tert-Butylalcohol	ND	ND	ND	ND	ND	50.0	µg/kg
Gasoline Range Organics	ND	ND	ND	ND	ND	0.20	mg/kg
<u>Dilution Factor</u>	1	1	1	1	1		
<u>Surrogate Recoveries:</u>						<u>QC Limits</u>	
Dibromofluoromethane	106%	108%	106%	104%	107%	60 - 140	
Toluene-d ₈	106%	107%	108%	106%	107%	60 - 140	
4-Bromofluorobenzene	114%	116%	114%	112%	120%	60 - 140	
	VOC1-050616- CHECKS	VOC1-050616- CHECKS	VOC1-050616- CHECKS	VOC1-050616- CHECKS	VOC1-050616- CHECKS		

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/12/2016
JEL Ref. No.: ST-9293
Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front Street
Burbank, CA

Date Sampled: 5/4-5/2016
Date Received: 5/5/2016
Date Analyzed: 5/6-7&9/2016
Physical State: Soil

EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

<u>Sample ID:</u>	A6-14.5'	A6-20.5'	A6-20.5'-D	A7-1'	A7-3.5'		
<u>JEL ID:</u>	ST-9293-11	ST-9293-12	ST-9293-13	ST-9293-14	ST-9293-15	<u>Practical Quantitation</u>	<u>Units</u>
<u>Analytes:</u>						<u>Limit</u>	
Benzene	ND	ND	ND	ND	ND	1.0	µg/kg
Bromobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Bromodichloromethane	ND	ND	ND	ND	ND	1.0	µg/kg
Bromoform	ND	ND	ND	ND	ND	1.0	µg/kg
n-Butylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
sec-Butylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
tert-Butylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Carbon tetrachloride	ND	ND	ND	ND	ND	1.0	µg/kg
Chlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Chloroform	ND	ND	ND	ND	ND	1.0	µg/kg
2-Chlorotoluene	ND	ND	ND	ND	ND	1.0	µg/kg
4-Chlorotoluene	ND	ND	ND	ND	ND	1.0	µg/kg
Dibromochloromethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	ND	1.0	µg/kg
Dibromomethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2- Dichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Dichlorodifluoromethane	ND	ND	ND	ND	ND	5.0	µg/kg
1,1-Dichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1-Dichloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,3-Dichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
2,2-Dichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1-Dichloropropene	ND	ND	ND	ND	ND	1.0	µg/kg

JONES ENVIRONMENTAL LABORATORY RESULTS

EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

<u>Sample ID:</u>	A6-14.5'	A6-20.5'	A6-20.5'-D	A7-1'	A7-3.5'		
<u>JEL ID:</u>	ST-9293-11	ST-9293-12	ST-9293-13	ST-9293-14	ST-9293-15	<u>Practical Quantitation</u>	<u>Units</u>
<u>Analytes:</u>						<u>Limit</u>	
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	1.0	µg/kg
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	1.0	µg/kg
Ethylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Freon 113	ND	ND	ND	ND	ND	5.0	µg/kg
Hexachlorobutadiene	ND	ND	ND	ND	ND	1.0	µg/kg
Isopropylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
4-Isopropyltoluene	ND	ND	ND	ND	ND	1.0	µg/kg
Methylene chloride	ND	ND	ND	ND	ND	1.0	µg/kg
Naphthalene	ND	ND	ND	ND	ND	1.0	µg/kg
n-Propylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Styrene	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
Tetrachloroethylene	16.6	10.7	19.3	22.1	2470*	1.0	µg/kg
Toluene	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
Trichloroethylene	ND	ND	ND	64.7	4800*	1.0	µg/kg
Trichlorofluoromethane	ND	ND	ND	ND	ND	5.0	µg/kg
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Vinyl chloride	ND	ND	ND	ND	ND	1.0	µg/kg
Xylenes	ND	ND	ND	ND	ND	1.0	µg/kg
MTBE	ND	ND	ND	ND	ND	5.0	µg/kg
Ethyl-tert-butylether	ND	ND	ND	ND	ND	5.0	µg/kg
Di-isopropylether	ND	ND	ND	ND	ND	5.0	µg/kg
tert-amylmethylether	ND	ND	ND	ND	ND	5.0	µg/kg
tert-Butylalcohol	ND	ND	ND	ND	ND	50.0	µg/kg
Gasoline Range Organics	ND	ND	ND	ND	ND	0.20	mg/kg
<u>Dilution Factor</u>	1	1	1	1	1/23*		
<u>Surrogate Recoveries:</u>						<u>QC Limits</u>	
Dibromofluoromethane	106%	107%	107%	105%	106%	60 - 140	
Toluene-d ₈	104%	107%	106%	106%	100%	60 - 140	
4-Bromofluorobenzene	116%	115%	112%	111%	103%	60 - 140	
	VOC1-050616- CHECKS	VOC1-050616- CHECKS	VOC1-050616- CHECKS	VOC1-050616- CHECKS	VOC1-050616- CHECKS & VOC3-050916- CHECKS*		

ND= Not Detected

* = Dilution for these compound(s); first number for all others



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/12/2016
JEL Ref. No.: ST-9293
Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front Street
Burbank, CA

Date Sampled: 5/4-5/2016
Date Received: 5/5/2016
Date Analyzed: 5/6-7&9/2016
Physical State: Soil

EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

<u>Sample ID:</u>	A7-8.5'	A7-14.5'	A7-20.5'	A8-1'	A8-4.5'		
<u>JEL ID:</u>	ST-9293-16	ST-9293-17	ST-9293-18	ST-9293-19	ST-9293-20	<u>Practical Quantitation</u>	<u>Units</u>
<u>Analytes:</u>						<u>Limit</u>	
Benzene	ND	ND	ND	ND	ND	1.0	µg/kg
Bromobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Bromodichloromethane	ND	ND	ND	ND	ND	1.0	µg/kg
Bromoform	ND	ND	ND	ND	ND	1.0	µg/kg
n-Butylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
sec-Butylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
tert-Butylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Carbon tetrachloride	ND	ND	ND	ND	ND	1.0	µg/kg
Chlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Chloroform	ND	ND	ND	ND	ND	1.0	µg/kg
2-Chlorotoluene	ND	ND	ND	ND	ND	1.0	µg/kg
4-Chlorotoluene	ND	ND	ND	ND	ND	1.0	µg/kg
Dibromochloromethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	ND	1.0	µg/kg
Dibromomethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2- Dichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Dichlorodifluoromethane	ND	ND	ND	ND	ND	5.0	µg/kg
1,1-Dichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1-Dichloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,3-Dichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
2,2-Dichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1-Dichloropropene	ND	ND	ND	ND	ND	1.0	µg/kg

JONES ENVIRONMENTAL LABORATORY RESULTS

EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

<u>Sample ID:</u>	A7-8.5'	A7-14.5'	A7-20.5'	A8-1'	A8-4.5'		
<u>JEL ID:</u>	ST-9293-16	ST-9293-17	ST-9293-18	ST-9293-19	ST-9293-20	<u>Practical Quantitation</u>	<u>Units</u>
<u>Analytes:</u>						<u>Limit</u>	
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	1.0	µg/kg
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	1.0	µg/kg
Ethylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Freon 113	ND	ND	ND	ND	ND	5.0	µg/kg
Hexachlorobutadiene	ND	ND	ND	ND	ND	1.0	µg/kg
Isopropylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
4-Isopropyltoluene	ND	ND	ND	ND	ND	1.0	µg/kg
Methylene chloride	ND	ND	ND	ND	ND	1.0	µg/kg
Naphthalene	ND	ND	ND	ND	ND	1.0	µg/kg
n-Propylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Styrene	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
Tetrachloroethylene	1.4	2.6	1.0	21.9	11.4	1.0	µg/kg
Toluene	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
Trichloroethylene	2.6	3.0	ND	2.1	ND	1.0	µg/kg
Trichlorofluoromethane	ND	ND	ND	ND	ND	5.0	µg/kg
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Vinyl chloride	ND	ND	ND	ND	ND	1.0	µg/kg
Xylenes	ND	ND	ND	ND	ND	1.0	µg/kg
MTBE	ND	ND	ND	ND	ND	5.0	µg/kg
Ethyl-tert-butylether	ND	ND	ND	ND	ND	5.0	µg/kg
Di-isopropylether	ND	ND	ND	ND	ND	5.0	µg/kg
tert-amylmethylether	ND	ND	ND	ND	ND	5.0	µg/kg
tert-Butylalcohol	ND	ND	ND	ND	ND	50.0	µg/kg
Gasoline Range Organics	ND	ND	ND	ND	ND	0.20	mg/kg
<u>Dilution Factor</u>	1	1	1	1	1		
<u>Surrogate Recoveries:</u>						<u>QC Limits</u>	
Dibromofluoromethane	108%	107%	107%	107%	109%	60 - 140	
Toluene-d ₈	108%	105%	107%	105%	108%	60 - 140	
4-Bromofluorobenzene	118%	116%	112%	113%	115%	60 - 140	

VOC1-050616- VOC1-050616- VOC1-050616- VOC1-050616- VOC1-050616-
CHECKS CHECKS_2 CHECKS_2 CHECKS_2 CHECKS_2

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
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Report date: 5/12/2016
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Date Sampled: 5/4-5/2016
Date Received: 5/5/2016
Date Analyzed: 5/6-7&9/2016
Physical State: Soil

EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

<u>Sample ID:</u>	A8-8.5'	A8-14.5'	A8-20.5'	A9-1'	A9-4.5'		
<u>JEL ID:</u>	ST-9293-21	ST-9293-22	ST-9293-23	ST-9293-24	ST-9293-25	<u>Practical Quantitation</u>	<u>Units</u>
<u>Analytes:</u>						<u>Limit</u>	
Benzene	ND	ND	ND	3.0	ND	1.0	µg/kg
Bromobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Bromodichloromethane	ND	ND	ND	ND	ND	1.0	µg/kg
Bromoform	ND	ND	ND	ND	ND	1.0	µg/kg
n-Butylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
sec-Butylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
tert-Butylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Carbon tetrachloride	ND	ND	ND	ND	ND	1.0	µg/kg
Chlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Chloroform	ND	ND	ND	ND	ND	1.0	µg/kg
2-Chlorotoluene	ND	ND	ND	ND	ND	1.0	µg/kg
4-Chlorotoluene	ND	ND	ND	ND	ND	1.0	µg/kg
Dibromochloromethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	ND	1.0	µg/kg
Dibromomethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Dichlorodifluoromethane	ND	ND	ND	ND	ND	5.0	µg/kg
1,1-Dichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1-Dichloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,3-Dichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
2,2-Dichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1-Dichloropropene	ND	ND	ND	ND	ND	1.0	µg/kg

JONES ENVIRONMENTAL LABORATORY RESULTS

EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

Sample ID:	A8-8.5'	A8-14.5'	A8-20.5'	A9-1'	A9-4.5'		
JEL ID:	ST-9293-21	ST-9293-22	ST-9293-23	ST-9293-24	ST-9293-25	Practical Quantitation	Units
Analytes:						Limit	
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	1.0	µg/kg
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	1.0	µg/kg
Ethylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Freon 113	ND	ND	ND	ND	ND	5.0	µg/kg
Hexachlorobutadiene	ND	ND	ND	ND	ND	1.0	µg/kg
Isopropylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
4-Isopropyltoluene	ND	ND	ND	ND	ND	1.0	µg/kg
Methylene chloride	ND	ND	ND	ND	ND	1.0	µg/kg
Naphthalene	ND	ND	ND	ND	ND	1.0	µg/kg
n-Propylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Styrene	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
Tetrachloroethylene	1.5	5.7	3.1	4.3	4.5	1.0	µg/kg
Toluene	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
Trichloroethylene	ND	ND	ND	ND	ND	1.0	µg/kg
Trichlorofluoromethane	ND	ND	ND	ND	ND	5.0	µg/kg
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Vinyl chloride	ND	ND	ND	ND	ND	1.0	µg/kg
Xylenes	ND	ND	ND	ND	ND	1.0	µg/kg
MTBE	ND	ND	ND	ND	ND	5.0	µg/kg
Ethyl-tert-butylether	ND	ND	ND	ND	ND	5.0	µg/kg
Di-isopropylether	ND	ND	ND	ND	ND	5.0	µg/kg
tert-amylmethylether	ND	ND	ND	ND	ND	5.0	µg/kg
tert-Butylalcohol	ND	ND	ND	ND	ND	50.0	µg/kg
Gasoline Range Organics	ND	ND	ND	ND	ND	0.20	mg/kg
Dilution Factor	1	1	1	1	1		
Surrogate Recoveries:						QC Limits	
Dibromofluoromethane	107%	109%	103%	107%	108%	60 - 140	
Toluene-d ₈	109%	106%	105%	106%	107%	60 - 140	
4-Bromofluorobenzene	115%	118%	114%	116%	117%	60 - 140	

VOC1-050616-CHECKS_2 VOC1-050616-CHECKS_2 VOC1-050616-CHECKS_2 VOC1-050616-CHECKS_2 VOC1-050616-CHECKS_2

ND= Not Detected



714-449-9937
562-646-1611
805-399-0060

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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/12/2016
JEL Ref. No.: ST-9293
Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front Street
Burbank, CA

Date Sampled: 5/4-5/2016
Date Received: 5/5/2016
Date Analyzed: 5/6-7&9/2016
Physical State: Soil

EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

<u>Sample ID:</u>	A9-8.5'	A9-14.5'	A9-20.5'	A9-20.5'-D	A9-25.5'		
<u>JEL ID:</u>	ST-9293-26	ST-9293-27	ST-9293-28	ST-9293-29	ST-9293-30	<u>Practical Quantitation</u>	<u>Units</u>
<u>Analytes:</u>						<u>Limit</u>	
Benzene	ND	ND	ND	ND	ND	1.0	µg/kg
Bromobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Bromodichloromethane	ND	ND	ND	ND	ND	1.0	µg/kg
Bromoform	ND	ND	ND	ND	ND	1.0	µg/kg
n-Butylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
sec-Butylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
tert-Butylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Carbon tetrachloride	ND	ND	ND	ND	ND	1.0	µg/kg
Chlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Chloroform	ND	ND	ND	ND	ND	1.0	µg/kg
2-Chlorotoluene	ND	ND	ND	ND	ND	1.0	µg/kg
4-Chlorotoluene	ND	ND	ND	ND	ND	1.0	µg/kg
Dibromochloromethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	ND	1.0	µg/kg
Dibromomethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2- Dichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Dichlorodifluoromethane	ND	ND	ND	ND	ND	5.0	µg/kg
1,1-Dichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1-Dichloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,3-Dichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
2,2-Dichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1-Dichloropropene	ND	ND	ND	ND	ND	1.0	µg/kg

JONES ENVIRONMENTAL LABORATORY RESULTS

EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

<u>Sample ID:</u>	A9-8.5'	A9-14.5'	A9-20.5'	A9-20.5'-D	A9-25.5'		
<u>JEL ID:</u>	ST-9293-26	ST-9293-27	ST-9293-28	ST-9293-29	ST-9293-30	<u>Practical Quantitation</u>	<u>Units</u>
Analytes:						<u>Limit</u>	
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	1.0	µg/kg
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	1.0	µg/kg
Ethylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Freon 113	ND	ND	ND	ND	ND	5.0	µg/kg
Hexachlorobutadiene	ND	ND	ND	ND	ND	1.0	µg/kg
Isopropylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
4-Isopropyltoluene	ND	ND	ND	ND	ND	1.0	µg/kg
Methylene chloride	ND	ND	ND	ND	ND	1.0	µg/kg
Naphthalene	ND	ND	ND	ND	ND	1.0	µg/kg
n-Propylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Styrene	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
Tetrachloroethylene	ND	ND	ND	ND	ND	1.0	µg/kg
Toluene	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
Trichloroethylene	ND	ND	ND	ND	ND	1.0	µg/kg
Trichlorofluoromethane	ND	ND	ND	ND	ND	5.0	µg/kg
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Vinyl chloride	ND	ND	ND	ND	ND	1.0	µg/kg
Xylenes	ND	ND	ND	ND	ND	1.0	µg/kg
MTBE	ND	ND	ND	ND	ND	5.0	µg/kg
Ethyl-tert-butylether	ND	ND	ND	ND	ND	5.0	µg/kg
Di-isopropylether	ND	ND	ND	ND	ND	5.0	µg/kg
tert-amylmethylether	ND	ND	ND	ND	ND	5.0	µg/kg
tert-Butylalcohol	ND	ND	ND	ND	ND	50.0	µg/kg
Gasoline Range Organics	ND	ND	ND	ND	ND	0.20	mg/kg
<u>Dilution Factor</u>	1	1	1	1	1		
Surrogate Recoveries:						<u>QC Limits</u>	
Dibromofluoromethane	105%	108%	108%	108%	107%	60 - 140	
Toluene-d ₈	106%	107%	108%	108%	107%	60 - 140	
4-Bromofluorobenzene	113%	115%	119%	121%	117%	60 - 140	
	VOC1-050616- CHECKS_2	VOC1-050616- CHECKS_2	VOC1-050616- CHECKS_2	VOC1-050616- CHECKS_2	VOC1-050616- CHECKS_2		

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Leighton & Associates, Inc.	Report date:	5/12/2016
Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	ST-9293
		Client Ref. No.:	11235.002
Attn:	Robin Ferber	Date Sampled:	5/4-5/2016
		Date Received:	5/5/2016
Project:	SJ4 Burbank	Date Analyzed:	5/6-7&9/2016
Project Address:	777 N. Front Street Burbank, CA	Physical State:	Soil

EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

<u>Sample ID:</u>	A9-30.5'	A10-1'	A10-14.5'	A10-20.5'	A10-25.5'		
<u>JEL ID:</u>	ST-9293-31	ST-9293-32	ST-9293-33	ST-9293-34	ST-9293-35	<u>Practical Quantitation</u>	<u>Units</u>
<u>Analytes:</u>						<u>Limit</u>	
Benzene	ND	ND	ND	ND	ND	1.0	µg/kg
Bromobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Bromodichloromethane	ND	ND	ND	ND	ND	1.0	µg/kg
Bromoform	ND	ND	ND	ND	ND	1.0	µg/kg
n-Butylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
sec-Butylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
tert-Butylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Carbon tetrachloride	ND	ND	ND	ND	ND	1.0	µg/kg
Chlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Chloroform	ND	ND	ND	ND	ND	1.0	µg/kg
2-Chlorotoluene	ND	ND	ND	ND	ND	1.0	µg/kg
4-Chlorotoluene	ND	ND	ND	ND	ND	1.0	µg/kg
Dibromochloromethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	ND	1.0	µg/kg
Dibromomethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2- Dichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Dichlorodifluoromethane	ND	ND	ND	ND	ND	5.0	µg/kg
1,1-Dichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1-Dichloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,3-Dichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
2,2-Dichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1-Dichloropropene	ND	ND	ND	ND	ND	1.0	µg/kg

JONES ENVIRONMENTAL LABORATORY RESULTS

EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

<u>Sample ID:</u>	A9-30.5'	A10-1'	A10-14.5'	A10-20.5'	A10-25.5'		
<u>JEL ID:</u>	ST-9293-31	ST-9293-32	ST-9293-33	ST-9293-34	ST-9293-35	<u>Practical Quantitation</u>	<u>Units</u>
Analytes:						<u>Limit</u>	
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	1.0	µg/kg
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	1.0	µg/kg
Ethylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Freon 113	ND	ND	ND	ND	ND	5.0	µg/kg
Hexachlorobutadiene	ND	ND	ND	ND	ND	1.0	µg/kg
Isopropylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
4-Isopropyltoluene	ND	ND	ND	ND	ND	1.0	µg/kg
Methylene chloride	ND	ND	ND	ND	ND	1.0	µg/kg
Naphthalene	ND	ND	ND	ND	ND	1.0	µg/kg
n-Propylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Styrene	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
Tetrachloroethylene	ND	6.8	ND	ND	ND	1.0	µg/kg
Toluene	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
Trichloroethylene	ND	ND	ND	ND	ND	1.0	µg/kg
Trichlorofluoromethane	ND	ND	ND	ND	ND	5.0	µg/kg
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Vinyl chloride	ND	ND	ND	ND	ND	1.0	µg/kg
Xylenes	ND	ND	ND	ND	ND	1.0	µg/kg
MTBE	ND	ND	ND	ND	ND	5.0	µg/kg
Ethyl-tert-butylether	ND	ND	ND	ND	ND	5.0	µg/kg
Di-isopropylether	ND	ND	ND	ND	ND	5.0	µg/kg
tert-amylmethylether	ND	ND	ND	ND	ND	5.0	µg/kg
tert-Butylalcohol	ND	ND	ND	ND	ND	50.0	µg/kg
Gasoline Range Organics	ND	ND	ND	ND	ND	0.20	mg/kg
<u>Dilution Factor</u>	1	1	1	1	1		
Surrogate Recoveries:						<u>QC Limits</u>	
Dibromofluoromethane	106%	105%	109%	105%	108%	60 - 140	
Toluene-d ₈	105%	105%	107%	106%	107%	60 - 140	
4-Bromofluorobenzene	120%	117%	113%	113%	116%	60 - 140	

VOC1-050616-CHECKS_2 VOC1-050616-CHECKS_2 VOC1-050616-CHECKS_2 VOC1-050616-CHECKS_2 VOC1-050616-CHECKS_2

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Leighton & Associates, Inc.	Report date:	5/12/2016
Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	ST-9293
		Client Ref. No.:	11235.002
Attn:	Robin Ferber	Date Sampled:	5/4-5/2016
		Date Received:	5/5/2016
Project:	SJ4 Burbank	Date Analyzed:	5/6-7&9/2016
Project Address:	777 N. Front Street Burbank, CA	Physical State:	Soil

EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

<u>Sample ID:</u>	A10-30.5'	LB4-1'	LB4-4.5'	LB4-8.5'	LB4-14.5'		
<u>JEL ID:</u>	ST-9293-36	ST-9293-37	ST-9293-38	ST-9293-39	ST-9293-40	<u>Practical Quantitation</u>	<u>Units</u>
<u>Analytes:</u>						<u>Limit</u>	
Benzene	ND	ND	ND	ND	ND	1.0	µg/kg
Bromobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Bromodichloromethane	ND	ND	ND	ND	ND	1.0	µg/kg
Bromoform	ND	ND	ND	ND	ND	1.0	µg/kg
n-Butylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
sec-Butylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
tert-Butylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Carbon tetrachloride	ND	ND	ND	ND	ND	1.0	µg/kg
Chlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Chloroform	ND	ND	ND	ND	ND	1.0	µg/kg
2-Chlorotoluene	ND	ND	ND	ND	ND	1.0	µg/kg
4-Chlorotoluene	ND	ND	ND	ND	ND	1.0	µg/kg
Dibromochloromethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	ND	1.0	µg/kg
Dibromomethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2- Dichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Dichlorodifluoromethane	ND	ND	ND	ND	ND	5.0	µg/kg
1,1-Dichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1-Dichloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,3-Dichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
2,2-Dichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1-Dichloropropene	ND	ND	ND	ND	ND	1.0	µg/kg

JONES ENVIRONMENTAL LABORATORY RESULTS

EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

<u>Sample ID:</u>	A10-30.5'	LB4-1'	LB4-4.5'	LB4-8.5'	LB4-14.5'		
<u>JEL ID:</u>	ST-9293-36	ST-9293-37	ST-9293-38	ST-9293-39	ST-9293-40	<u>Practical Quantitation</u>	<u>Units</u>
<u>Analytes:</u>						<u>Limit</u>	
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	1.0	µg/kg
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	1.0	µg/kg
Ethylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Freon 113	ND	ND	ND	ND	ND	5.0	µg/kg
Hexachlorobutadiene	ND	ND	ND	ND	ND	1.0	µg/kg
Isopropylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
4-Isopropyltoluene	ND	ND	ND	ND	ND	1.0	µg/kg
Methylene chloride	ND	ND	ND	ND	ND	1.0	µg/kg
Naphthalene	ND	ND	ND	ND	ND	1.0	µg/kg
n-Propylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Styrene	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
Tetrachloroethylene	ND	4.4	25.6	5.4	26.7	1.0	µg/kg
Toluene	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
Trichloroethylene	ND	ND	ND	ND	ND	1.0	µg/kg
Trichlorofluoromethane	ND	ND	ND	ND	ND	5.0	µg/kg
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Vinyl chloride	ND	ND	ND	ND	ND	1.0	µg/kg
Xylenes	ND	ND	ND	ND	ND	1.0	µg/kg
MTBE	ND	ND	ND	ND	ND	5.0	µg/kg
Ethyl-tert-butylether	ND	ND	ND	ND	ND	5.0	µg/kg
Di-isopropylether	ND	ND	ND	ND	ND	5.0	µg/kg
tert-amylmethylether	ND	ND	ND	ND	ND	5.0	µg/kg
tert-Butylalcohol	ND	ND	ND	ND	ND	50.0	µg/kg
Gasoline Range Organics	ND	ND	ND	ND	ND	0.20	mg/kg
<u>Dilution Factor</u>	1	1	1	1	1		
<u>Surrogate Recoveries:</u>						<u>QC Limits</u>	
Dibromofluoromethane	107%	111%	110%	109%	115%	60 - 140	
Toluene-d ₈	107%	103%	100%	102%	105%	60 - 140	
4-Bromofluorobenzene	114%	108%	104%	107%	111%	60 - 140	
	VOC1-050616-CHECKS_2	VOC3-050616-CHECKS_3	VOC3-050616-CHECKS_3	VOC3-050616-CHECKS_3	VOC3-050616-CHECKS_3		

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/12/2016
JEL Ref. No.: ST-9293
Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front Street
Burbank, CA

Date Sampled: 5/4-5/2016
Date Received: 5/5/2016
Date Analyzed: 5/6-7&9/2016
Physical State: Soil

EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

Sample ID:	LB4-20.5'	LB6-1'	LB6-5'	LB6-11'	LB6-17'		
JEL ID:	ST-9293-41	ST-9293-42	ST-9293-43	ST-9293-44	ST-9293-45	Practical Quantitation	Units
Analytes:						Limit	
Benzene	ND	ND	ND	ND	ND	1.0	µg/kg
Bromobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Bromodichloromethane	ND	ND	ND	ND	ND	1.0	µg/kg
Bromoform	ND	ND	ND	ND	ND	1.0	µg/kg
n-Butylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
sec-Butylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
tert-Butylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Carbon tetrachloride	ND	ND	ND	ND	ND	1.0	µg/kg
Chlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Chloroform	ND	ND	ND	ND	ND	1.0	µg/kg
2-Chlorotoluene	ND	ND	ND	ND	ND	1.0	µg/kg
4-Chlorotoluene	ND	ND	ND	ND	ND	1.0	µg/kg
Dibromochloromethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	ND	1.0	µg/kg
Dibromomethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Dichlorodifluoromethane	ND	ND	ND	ND	ND	5.0	µg/kg
1,1-Dichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1-Dichloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,3-Dichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
2,2-Dichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1-Dichloropropene	ND	ND	ND	ND	ND	1.0	µg/kg

JONES ENVIRONMENTAL LABORATORY RESULTS

EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

<u>Sample ID:</u>	LB4-20.5'	LB6-1'	LB6-5'	LB6-11'	LB6-17'		
<u>JEL ID:</u>	ST-9293-41	ST-9293-42	ST-9293-43	ST-9293-44	ST-9293-45	<u>Practical Quantitation</u>	<u>Units</u>
Analytes:						<u>Limit</u>	
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	1.0	µg/kg
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	1.0	µg/kg
Ethylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Freon 113	ND	ND	ND	ND	ND	5.0	µg/kg
Hexachlorobutadiene	ND	ND	ND	ND	ND	1.0	µg/kg
Isopropylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
4-Isopropyltoluene	ND	ND	ND	ND	ND	1.0	µg/kg
Methylene chloride	ND	ND	ND	ND	ND	1.0	µg/kg
Naphthalene	ND	ND	ND	ND	ND	1.0	µg/kg
n-Propylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Styrene	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
Tetrachloroethylene	4.3	1.0	ND	ND	ND	1.0	µg/kg
Toluene	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
Trichloroethylene	ND	ND	ND	ND	ND	1.0	µg/kg
Trichlorofluoromethane	ND	ND	ND	ND	ND	5.0	µg/kg
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Vinyl chloride	ND	ND	ND	ND	ND	1.0	µg/kg
Xylenes	ND	ND	ND	ND	ND	1.0	µg/kg
MTBE	ND	ND	ND	ND	ND	5.0	µg/kg
Ethyl-tert-butylether	ND	ND	ND	ND	ND	5.0	µg/kg
Di-isopropylether	ND	ND	ND	ND	ND	5.0	µg/kg
tert-amylmethylether	ND	ND	ND	ND	ND	5.0	µg/kg
tert-Butylalcohol	ND	ND	ND	ND	ND	50.0	µg/kg
Gasoline Range Organics	ND	ND	ND	ND	ND	0.20	mg/kg
<u>Dilution Factor</u>	1	1	1	1	1		
Surrogate Recoveries:						<u>QC Limits</u>	
Dibromofluoromethane	112%	116%	115%	115%	111%	60 - 140	
Toluene-d ₈	102%	104%	105%	103%	101%	60 - 140	
4-Bromofluorobenzene	106%	106%	110%	113%	107%	60 - 140	
	VOC3-050616-CHECKS_3	VOC3-050616-CHECKS_3	VOC3-050616-CHECKS_3	VOC3-050616-CHECKS_3	VOC3-050616-CHECKS_3		

ND= Not Detected



714-449-9937
562-646-1611
805-399-0060

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JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

Client:	Leighton & Associates, Inc.	Report date:	5/12/2016
Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	ST-9293
		Client Ref. No.:	11235.002
Attn:	Robin Ferber	Date Sampled:	5/4-5/2016
		Date Received:	5/5/2016
Project:	SJ4 Burbank	Date Analyzed:	5/6-7&9/2016
Project Address:	777 N. Front Street Burbank, CA	Physical State:	Soil

EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

<u>Sample ID:</u>	METHOD BLANK	METHOD BLANK	METHOD BLANK	METHOD BLANK		
<u>JEL ID:</u>	ST-9293-46	ST-9293-50	ST-9293-54	ST-9293-58	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:						
Benzene	ND	ND	ND	ND	1.0	µg/kg
Bromobenzene	ND	ND	ND	ND	1.0	µg/kg
Bromodichloromethane	ND	ND	ND	ND	1.0	µg/kg
Bromoform	ND	ND	ND	ND	1.0	µg/kg
n-Butylbenzene	ND	ND	ND	ND	1.0	µg/kg
sec-Butylbenzene	ND	ND	ND	ND	1.0	µg/kg
tert-Butylbenzene	ND	ND	ND	ND	1.0	µg/kg
Carbon tetrachloride	ND	ND	ND	ND	1.0	µg/kg
Chlorobenzene	ND	ND	ND	ND	1.0	µg/kg
Chloroform	ND	ND	ND	ND	1.0	µg/kg
2-Chlorotoluene	ND	ND	ND	ND	1.0	µg/kg
4-Chlorotoluene	ND	ND	ND	ND	1.0	µg/kg
Dibromochloromethane	ND	ND	ND	ND	1.0	µg/kg
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	1.0	µg/kg
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	1.0	µg/kg
Dibromomethane	ND	ND	ND	ND	1.0	µg/kg
1,2- Dichlorobenzene	ND	ND	ND	ND	1.0	µg/kg
1,3-Dichlorobenzene	ND	ND	ND	ND	1.0	µg/kg
1,4-Dichlorobenzene	ND	ND	ND	ND	1.0	µg/kg
Dichlorodifluoromethane	ND	ND	ND	ND	5.0	µg/kg
1,1-Dichloroethane	ND	ND	ND	ND	1.0	µg/kg
1,2-Dichloroethane	ND	ND	ND	ND	1.0	µg/kg
1,1-Dichloroethene	ND	ND	ND	ND	1.0	µg/kg
cis-1,2-Dichloroethene	ND	ND	ND	ND	1.0	µg/kg
trans-1,2-Dichloroethene	ND	ND	ND	ND	1.0	µg/kg
1,2-Dichloropropane	ND	ND	ND	ND	1.0	µg/kg
1,3-Dichloropropane	ND	ND	ND	ND	1.0	µg/kg
2,2-Dichloropropane	ND	ND	ND	ND	1.0	µg/kg
1,1-Dichloropropene	ND	ND	ND	ND	1.0	µg/kg

JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

<u>Sample ID:</u>	METHOD BLANK	METHOD BLANK	METHOD BLANK	METHOD BLANK		
<u>JEL ID:</u>	ST-9293-46	ST-9293-50	ST-9293-54	ST-9293-58	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:						
cis-1,3-Dichloropropene	ND	ND	ND	ND	1.0	µg/kg
trans-1,3-Dichloropropene	ND	ND	ND	ND	1.0	µg/kg
Ethylbenzene	ND	ND	ND	ND	1.0	µg/kg
Freon 113	ND	ND	ND	ND	5.0	µg/kg
Hexachlorobutadiene	ND	ND	ND	ND	1.0	µg/kg
Isopropylbenzene	ND	ND	ND	ND	1.0	µg/kg
4-Isopropyltoluene	ND	ND	ND	ND	1.0	µg/kg
Methylene chloride	ND	ND	ND	ND	1.0	µg/kg
Naphthalene	ND	ND	ND	ND	1.0	µg/kg
n-Propylbenzene	ND	ND	ND	ND	1.0	µg/kg
Styrene	ND	ND	ND	ND	1.0	µg/kg
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	1.0	µg/kg
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	1.0	µg/kg
Tetrachloroethylene	ND	ND	ND	ND	1.0	µg/kg
Toluene	ND	ND	ND	ND	1.0	µg/kg
1,2,3-Trichlorobenzene	ND	ND	ND	ND	1.0	µg/kg
1,2,4-Trichlorobenzene	ND	ND	ND	ND	1.0	µg/kg
1,1,1-Trichloroethane	ND	ND	ND	ND	1.0	µg/kg
1,1,2-Trichloroethane	ND	ND	ND	ND	1.0	µg/kg
Trichloroethylene	ND	ND	ND	ND	1.0	µg/kg
Trichlorofluoromethane	ND	ND	ND	ND	5.0	µg/kg
1,2,3-Trichloropropane	ND	ND	ND	ND	1.0	µg/kg
1,2,4-Trimethylbenzene	ND	ND	ND	ND	1.0	µg/kg
1,3,5-Trimethylbenzene	ND	ND	ND	ND	1.0	µg/kg
Vinyl chloride	ND	ND	ND	ND	1.0	µg/kg
Xylenes	ND	ND	ND	ND	1.0	µg/kg
MTBE	ND	ND	ND	ND	5.0	µg/kg
Ethyl-tert-butylether	ND	ND	ND	ND	5.0	µg/kg
Di-isopropylether	ND	ND	ND	ND	5.0	µg/kg
tert-amylmethylether	ND	ND	ND	ND	5.0	µg/kg
tert-Butylalcohol	ND	ND	ND	ND	50.0	µg/kg
Gasoline Range Organics	ND	ND	ND	ND	0.20	mg/kg
<u>Dilution Factor</u>	1	1	1	1		
Surrogate Recoveries:					QC Limits	
Dibromofluoromethane	100%	103%	110%	108%	60 - 140	
Toluene-d ₈	102%	108%	103%	103%	60 - 140	
4-Bromofluorobenzene	107%	115%	107%	99%	60 - 140	

VOC1-050616- VOC1-050616- VOC3-050616- VOC3-050916-
CHECKS CHECKS_2 CHECKS_3 CHECKS

ND= Not Detected



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JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

Client:	Leighton & Associates, Inc.	Report date:	5/12/2016
Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	ST-9293
		Client Ref. No.:	11235.002
Attn:	Robin Ferber	Date Sampled:	5/4-5/2016
		Date Received:	5/5/2016
Project:	SJ4 Burbank	Date Analyzed:	5/6-7&9/2016
Project Address:	777 N. Front Street Burbank, CA	Physical State:	Soil

EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

Sample Spiked:		CLEAN SOIL		GC#: VOC1-050616-CHECKS		
JEL ID:	ST-9293-48	ST-9293-49		ST-9293-47		
	MS	MSD		Acceptability		Acceptability
Parameter	Recovery (%)	Recovery (%)	RPD	Range (%)	LCS	Range (%)
Vinyl Chloride	99%	99%	0.3%	60 - 140	96%	70 - 130
1,1-Dichloroethylene	126%	120%	5.1%	60 - 140	122%	70 - 130
Cis-1,2-Dichloroethene	106%	105%	1.0%	70 - 130	109%	70 - 130
1,1,1-Trichloroethane	134%	128%	5.0%	70 - 130	135%	70 - 130
Benzene	125%	120%	4.6%	70 - 130	125%	70 - 130
Trichloroethylene	125%	119%	4.8%	70 - 130	126%	70 - 130
Toluene	128%	128%	0.2%	70 - 130	134%	70 - 130
Tetrachloroethene	125%	128%	2.6%	70 - 130	127%	70 - 130
Chlorobenzene	120%	117%	2.8%	70 - 130	122%	70 - 130
Ethylbenzene	123%	125%	1.9%	70 - 130	129%	70 - 130
1,2,4 Trimethylbenzene	123%	120%	2.1%	70 - 130	126%	70 - 130
Gasoline Range Organics	125%	123%	1.2%	70 - 130		
Surrogate Recovery:						
Dibromofluoromethane	104%	99%		60 - 140	103%	60 - 140
Toluene-d ₈	109%	108%		60 - 140	107%	60 - 140
4-Bromofluorobenzene	108%	111%		60 - 140	116%	60 - 140

MS = Matrix Spike

MSD = Matrix Spike Duplicate

RPD = Relative Percent Difference; Acceptability range for RPD is ≤ 15%



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JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

Client:	Leighton & Associates, Inc.	Report date:	5/12/2016
Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	ST-9293
		Client Ref. No.:	11235.002
Attn:	Robin Ferber	Date Sampled:	5/4-5/2016
		Date Received:	5/5/2016
Project:	SJ4 Burbank	Date Analyzed:	5/6-7&9/2016
Project Address:	777 N. Front Street Burbank, CA	Physical State:	Soil

EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

Sample Spiked:		CLEAN SOIL		GC#: VOC1-050616-CHECKS_2		
JEL ID:	ST-9293-52	ST-9293-53		ST-9293-51		
Parameter	MS Recovery (%)	MSD Recovery (%)	RPD	Acceptability Range (%)	LCS	Acceptability Range (%)
Vinyl Chloride	87%	87%	0.2%	60 - 140	86%	70 - 130
1,1-Dichloroethylene	107%	105%	2.0%	60 - 140	105%	70 - 130
Cis-1,2-Dichloroethene	102%	101%	0.9%	70 - 130	102%	70 - 130
1,1,1-Trichloroethane	117%	113%	2.8%	70 - 130	117%	70 - 130
Benzene	112%	113%	0.0%	70 - 130	112%	70 - 130
Trichloroethylene	111%	108%	2.9%	70 - 130	110%	70 - 130
Toluene	119%	113%	4.7%	70 - 130	113%	70 - 130
Tetrachloroethene	108%	108%	0.4%	70 - 130	108%	70 - 130
Chlorobenzene	113%	109%	4.2%	70 - 130	109%	70 - 130
Ethylbenzene	113%	112%	0.7%	70 - 130	96%	70 - 130
1,2,4 Trimethylbenzene	110%	108%	2.5%	70 - 130	108%	70 - 130
Gasoline Range Organics	114%	111%	2.0%	70 - 130		
Surrogate Recovery:						
Dibromofluoromethane	99%	103%		60 - 140	102%	60 - 140
Toluene-d ₈	106%	107%		60 - 140	108%	60 - 140
4-Bromofluorobenzene	112%	108%		60 - 140	113%	60 - 140

MS = Matrix Spike

MSD = Matrix Spike Duplicate

RPD = Relative Percent Difference; Acceptability range for RPD is ≤ 15%



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JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

Client:	Leighton & Associates, Inc.	Report date:	5/12/2016
Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	ST-9293
		Client Ref. No.:	11235.002
Attn:	Robin Ferber	Date Sampled:	5/4-5/2016
		Date Received:	5/5/2016
Project:	SJ4 Burbank	Date Analyzed:	5/6-7&9/2016
Project Address:	777 N. Front Street Burbank, CA	Physical State:	Soil

EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

Sample Spiked:		CLEAN SOIL		GC#: VOC3-050616-CHECKS_3		
JEL ID:	ST-9293-56	ST-9293-57		ST-9293-55		
	MS	MSD		Acceptability		Acceptability
<u>Parameter</u>	Recovery (%)	Recovery (%)	<u>RPD</u>	Range (%)	<u>LCS</u>	Range (%)
Vinyl Chloride	90%	88%	1.9%	60 - 140	87%	70 - 130
1,1-Dichloroethylene	127%	116%	9.0%	60 - 140	119%	70 - 130
Cis-1,2-Dichloroethene	111%	105%	5.9%	70 - 130	107%	70 - 130
1,1,1-Trichloroethane	122%	115%	5.2%	70 - 130	116%	70 - 130
Benzene	117%	115%	2.2%	70 - 130	112%	70 - 130
Trichloroethylene	119%	114%	4.0%	70 - 130	113%	70 - 130
Toluene	94%	88%	5.7%	70 - 130	89%	70 - 130
Tetrachloroethene	101%	98%	2.6%	70 - 130	97%	70 - 130
Chlorobenzene	114%	111%	2.6%	70 - 130	113%	70 - 130
Ethylbenzene	93%	90%	3.5%	70 - 130	89%	70 - 130
1,2,4 Trimethylbenzene	88%	88%	0.3%	70 - 130	85%	70 - 130
Gasoline Range Organics	98%	95%	2.9%	70 - 130		
<u>Surrogate Recovery:</u>						
Dibromofluoromethane	61%	64%		60 - 140	63%	60 - 140
Toluene-d ₈	102%	102%		60 - 140	103%	60 - 140
4-Bromofluorobenzene	133%	138%		60 - 140	137%	60 - 140

MS = Matrix Spike

MSD = Matrix Spike Duplicate

RPD = Relative Percent Difference; Acceptability range for RPD is ≤ 15%



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JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

Client:	Leighton & Associates, Inc.	Report date:	5/12/2016
Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	ST-9293
		Client Ref. No.:	11235.002
Attn:	Robin Ferber	Date Sampled:	5/4-5/2016
		Date Received:	5/5/2016
Project:	SJ4 Burbank	Date Analyzed:	5/6-7&9/2016
Project Address:	777 N. Front Street Burbank, CA	Physical State:	Soil

EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

Sample Spiked:		CLEAN SOIL		GC#: VOC3-050916-CHECKS		
JEL ID:		ST-9293-60	ST-9293-61		ST-9293-59	
Parameter	MS Recovery (%)	MSD Recovery (%)	RPD	Acceptability Range (%)	LCS	Acceptability Range (%)
Vinyl Chloride	92%	92%	0.1%	60 - 140	101%	70 - 130
1,1-Dichloroethylene	121%	112%	8.1%	60 - 140	127%	70 - 130
Cis-1,2-Dichloroethene	102%	100%	1.8%	70 - 130	105%	70 - 130
1,1,1-Trichloroethane	125%	120%	3.8%	70 - 130	130%	70 - 130
Benzene	127%	116%	8.9%	70 - 130	125%	70 - 130
Trichloroethylene	121%	114%	5.5%	70 - 130	125%	70 - 130
Toluene	93%	90%	4.1%	70 - 130	96%	70 - 130
Tetrachloroethene	102%	93%	8.8%	70 - 130	106%	70 - 130
Chlorobenzene	107%	104%	3.1%	70 - 130	110%	70 - 130
Ethylbenzene	95%	92%	3.4%	70 - 130	84%	70 - 130
1,2,4 Trimethylbenzene	90%	84%	6.4%	70 - 130	91%	70 - 130
Gasoline Range Organics	101%	95%	5.9%	70 - 130		
Surrogate Recovery:						
Dibromofluoromethane	69%	66%		60 - 140	66%	60 - 140
Toluene-d ₈	98%	94%		60 - 140	98%	60 - 140
4-Bromofluorobenzene	132%	134%		60 - 140	130%	60 - 140

MS = Matrix Spike

MSD = Matrix Spike Duplicate

RPD = Relative Percent Difference; Acceptability range for RPD is ≤ 15%



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/12/2016
JEL Ref. No.: ST-9293
Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front Street
Burbank, CA

Date Sampled: 5/4-5/2016
Date Received: 5/5/2016
Date Analyzed: 5/9-11/2016
Physical State: Soil

Sample ID: A5-1.25' **JEL ID:** ST-9293-01

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16050701	5/7/2016	5/9/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	181	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	16.5	1	"	"	"	0.5	mg/kg
Chromium, Cr	29.0	1	"	"	"	0.5	mg/kg
Copper, Cu	30.8	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	19.7	1	"	"	"	0.5	mg/kg
Lead, Pb	2.8	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	67.8	1	"	"	"	0.5	mg/kg
Zinc, Zn	68.5	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	0.024	1	H16050702	5/7/2016	5/9/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/12/2016
JEL Ref. No.: ST-9293
Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front Street
Burbank, CA

Date Sampled: 5/4-5/2016
Date Received: 5/5/2016
Date Analyzed: 5/9-11/2016
Physical State: Soil

Sample ID: A5-4.5' **JEL ID:** ST-9293-02

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16050701	5/7/2016	5/9/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	114	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	10.4	1	"	"	"	0.5	mg/kg
Chromium, Cr	21.3	1	"	"	"	0.5	mg/kg
Copper, Cu	19.5	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	12.6	1	"	"	"	0.5	mg/kg
Lead, Pb	1.5	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	49.9	1	"	"	"	0.5	mg/kg
Zinc, Zn	47.8	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	ND	1	H16050702	5/7/2016	5/9/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/12/2016
JEL Ref. No.: ST-9293
Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front Street
Burbank, CA

Date Sampled: 5/4-5/2016
Date Received: 5/5/2016
Date Analyzed: 5/9-11/2016
Physical State: Soil

Sample ID: A5B-1' **JEL ID:** ST-9293-03

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16050701	5/7/2016	5/9/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	147	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	1.2	1	"	"	"	0.5	mg/kg
Cobalt, Co	9.9	1	"	"	"	0.5	mg/kg
Chromium, Cr	14.3	1	"	"	"	0.5	mg/kg
Copper, Cu	124	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	16.1	1	"	"	"	0.5	mg/kg
Lead, Pb	74.9	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	46.9	1	"	"	"	0.5	mg/kg
Zinc, Zn	6040	100	"	"	4/11/2016	50.0	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	ND	1	H16050702	5/7/2016	5/9/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/12/2016
JEL Ref. No.: ST-9293
Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front Street
Burbank, CA

Date Sampled: 5/4-5/2016
Date Received: 5/5/2016
Date Analyzed: 5/9-11/2016
Physical State: Soil

Sample ID: A5B-4.5' **JEL ID:** ST-9293-04

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16050701	5/7/2016	5/9/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	137	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	11.9	1	"	"	"	0.5	mg/kg
Chromium, Cr	18.3	1	"	"	"	0.5	mg/kg
Copper, Cu	18.5	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	12.0	1	"	"	"	0.5	mg/kg
Lead, Pb	1.4	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	53.1	1	"	"	"	0.5	mg/kg
Zinc, Zn	55.9	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	0.059	1	H16050702	5/7/2016	5/9/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/12/2016
JEL Ref. No.: ST-9293
Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front Street
Burbank, CA

Date Sampled: 5/4-5/2016
Date Received: 5/5/2016
Date Analyzed: 5/9-11/2016
Physical State: Soil

Sample ID: A5B-8.5' **JEL ID:** ST-9293-05

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16050701	5/7/2016	5/9/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	152	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	12.0	1	"	"	"	0.5	mg/kg
Chromium, Cr	24.9	1	"	"	"	0.5	mg/kg
Copper, Cu	21.8	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	14.3	1	"	"	"	0.5	mg/kg
Lead, Pb	1.6	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	53.8	1	"	"	"	0.5	mg/kg
Zinc, Zn	53.1	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	ND	1	H16050702	5/7/2016	5/9/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/12/2016
JEL Ref. No.: ST-9293
Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front Street
Burbank, CA

Date Sampled: 5/4-5/2016
Date Received: 5/5/2016
Date Analyzed: 5/9-11/2016
Physical State: Soil

Sample ID: A5B-14.5' **JEL ID:** ST-9293-06

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16050701	5/7/2016	5/9/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	196	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	15.8	1	"	"	"	0.5	mg/kg
Chromium, Cr	35.2	1	"	"	"	0.5	mg/kg
Copper, Cu	32.2	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	18.9	1	"	"	"	0.5	mg/kg
Lead, Pb	3.0	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	61.4	1	"	"	"	0.5	mg/kg
Zinc, Zn	72.7	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	ND	1	H16050702	5/7/2016	5/9/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/12/2016
JEL Ref. No.: ST-9293
Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front Street
Burbank, CA

Date Sampled: 5/4-5/2016
Date Received: 5/5/2016
Date Analyzed: 5/9-11/2016
Physical State: Soil

Sample ID: A5B-20.5' **JEL ID:** ST-9293-07

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16050701	5/7/2016	5/9/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	218	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	18.1	1	"	"	"	0.5	mg/kg
Chromium, Cr	32.1	1	"	"	"	0.5	mg/kg
Copper, Cu	40.0	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	21.0	1	"	"	"	0.5	mg/kg
Lead, Pb	3.1	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	74.7	1	"	"	"	0.5	mg/kg
Zinc, Zn	68.4	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	ND	1	H16050702	5/7/2016	5/9/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/12/2016
JEL Ref. No.: ST-9293
Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front Street
Burbank, CA

Date Sampled: 5/4-5/2016
Date Received: 5/5/2016
Date Analyzed: 5/9-11/2016
Physical State: Soil

Sample ID: A6-1' **JEL ID:** ST-9293-08

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	H16050701	5/7/2016	5/9/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	45.9	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	13.6	1	"	"	"	0.5	mg/kg
Chromium, Cr	22.5	1	"	"	"	0.5	mg/kg
Copper, Cu	11.9	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	18.4	1	"	"	"	0.5	mg/kg
Lead, Pb	1.5	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	33.1	1	"	"	"	0.5	mg/kg
Zinc, Zn	28.5	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	0.026	1	H16050702	5/7/2016	5/9/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Leighton & Associates, Inc.	Report date:	5/12/2016
Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	ST-9293
		Client Ref. No.:	11235.002
Attn:	Robin Ferber	Date Sampled:	5/4-5/2016
		Date Received:	5/5/2016
Project:	SJ4 Burbank	Date Analyzed:	5/9-11/2016
Project Address:	777 N. Front Street Burbank, CA	Physical State:	Soil

Sample ID: A6-4.5' **JEL ID:** ST-9293-09

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16050701	5/7/2016	5/9/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	136	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	1.2	1	"	"	"	0.5	mg/kg
Cobalt, Co	19.7	1	"	"	"	0.5	mg/kg
Chromium, Cr	157	1	"	"	"	0.5	mg/kg
Copper, Cu	39.0	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	14.9	1	"	"	"	0.5	mg/kg
Lead, Pb	74.5	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	45.7	1	"	"	"	0.5	mg/kg
Zinc, Zn	6260	20	"	"	5/10/2016	10.0	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	0.030	1	H16050702	5/7/2016	5/9/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/12/2016
JEL Ref. No.: ST-9293
Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front Street
Burbank, CA

Date Sampled: 5/4-5/2016
Date Received: 5/5/2016
Date Analyzed: 5/9-11/2016
Physical State: Soil

Sample ID: A6-8.5' **JEL ID:** ST-9293-10

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16050701	5/7/2016	5/9/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	166	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	20.1	1	"	"	"	0.5	mg/kg
Chromium, Cr	73.4	1	"	"	"	0.5	mg/kg
Copper, Cu	100	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	18.5	1	"	"	"	0.5	mg/kg
Lead, Pb	59.5	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	57.6	1	"	"	"	0.5	mg/kg
Zinc, Zn	3240	10	"	"	5/10/2016	5.0	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	ND	1	H16050702	5/7/2016	5/9/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/12/2016
JEL Ref. No.: ST-9293
Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front Street
Burbank, CA

Date Sampled: 5/4-5/2016
Date Received: 5/5/2016
Date Analyzed: 5/9-11/2016
Physical State: Soil

Sample ID: A6-14.5' **JEL ID:** ST-9293-11

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16050701	5/7/2016	5/9/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	186	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	16.2	1	"	"	"	0.5	mg/kg
Chromium, Cr	67.7	1	"	"	"	0.5	mg/kg
Copper, Cu	103	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	19.1	1	"	"	"	0.5	mg/kg
Lead, Pb	36.4	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	65.1	1	"	"	"	0.5	mg/kg
Zinc, Zn	3020	10	"	"	5/10/2016	5.0	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	ND	1	H16050702	5/7/2016	5/9/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/12/2016
JEL Ref. No.: ST-9293
Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front Street
Burbank, CA

Date Sampled: 5/4-5/2016
Date Received: 5/5/2016
Date Analyzed: 5/9-11/2016
Physical State: Soil

Sample ID: A6-20.5' **JEL ID:** ST-9293-12

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16050701	5/7/2016	5/9/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	172	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	20.4	1	"	"	"	0.5	mg/kg
Chromium, Cr	61.2	1	"	"	"	0.5	mg/kg
Copper, Cu	40.8	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	25.3	1	"	"	"	0.5	mg/kg
Lead, Pb	17.3	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	81.3	1	"	"	"	0.5	mg/kg
Zinc, Zn	6660	20	"	"	5/10/2016	10.0	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	ND	1	H16050702	5/7/2016	5/9/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/12/2016
JEL Ref. No.: ST-9293
Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front Street
Burbank, CA

Date Sampled: 5/4-5/2016
Date Received: 5/5/2016
Date Analyzed: 5/9-11/2016
Physical State: Soil

Sample ID: A6-20.5'-D **JEL ID:** ST-9293-13

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16050701	5/7/2016	5/9/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	176	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	19.7	1	"	"	"	0.5	mg/kg
Chromium, Cr	59.1	1	"	"	"	0.5	mg/kg
Copper, Cu	40.4	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	24.4	1	"	"	"	0.5	mg/kg
Lead, Pb	17.0	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	78.2	1	"	"	"	0.5	mg/kg
Zinc, Zn	7050	20	"	"	5/10/2016	10.0	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	ND	1	H16050702	5/7/2016	5/9/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/12/2016
JEL Ref. No.: ST-9293
Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front Street
Burbank, CA

Date Sampled: 5/4-5/2016
Date Received: 5/5/2016
Date Analyzed: 5/9-11/2016
Physical State: Soil

Sample ID: A7-1' **JEL ID:** ST-9293-14

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16050702	5/7/2016	5/9/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	131	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	9.6	1	"	"	"	0.5	mg/kg
Chromium, Cr	25.8	1	"	"	"	0.5	mg/kg
Copper, Cu	35.2	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	2.2	1	"	"	"	0.5	mg/kg
Nickel, Ni	21.4	1	"	"	"	0.5	mg/kg
Lead, Pb	15.9	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	58.3	1	"	"	"	0.5	mg/kg
Zinc, Zn	154	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	0.035	1	H16050702	5/7/2016	5/9/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Leighton & Associates, Inc.	Report date:	5/12/2016
Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	ST-9293
		Client Ref. No.:	11235.002
Attn:	Robin Ferber	Date Sampled:	5/4-5/2016
		Date Received:	5/5/2016
Project:	SJ4 Burbank	Date Analyzed:	5/9-11/2016
Project Address:	777 N. Front Street Burbank, CA	Physical State:	Soil

Sample ID: A7-3.5' **JEL ID:** ST-9293-15

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16050702	5/7/2016	5/9/2016	0.5	mg/kg
Arsenic, As	2.4	1	"	"	"	0.5	mg/kg
Barium, Ba	34.5	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	6.1	1	"	"	"	0.5	mg/kg
Cobalt, Co	1.1	1	"	"	"	0.5	mg/kg
Chromium, Cr	7.9	1	"	"	"	0.5	mg/kg
Copper, Cu	6740	20	"	"	5/10/2016	10.0	mg/kg
Molybdenum, Mo	ND	1	"	"	5/9/2016	0.5	mg/kg
Nickel, Ni	47.1	1	"	"	"	0.5	mg/kg
Lead, Pb	1110	10	"	"	5/10/2016	5.0	mg/kg
Antimony, Sb	ND	1	"	"	5/9/2016	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	11.3	1	"	"	"	0.5	mg/kg
Zinc, Zn	6920	20	"	"	5/10/2016	10.0	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	0.029	1	H16050702	5/7/2016	5/9/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/12/2016
JEL Ref. No.: ST-9293
Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front Street
Burbank, CA

Date Sampled: 5/4-5/2016
Date Received: 5/5/2016
Date Analyzed: 5/9-11/2016
Physical State: Soil

Sample ID: A7-8.5' **JEL ID:** ST-9293-16

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16050702	5/7/2016	5/9/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	176	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	16.7	1	"	"	"	0.5	mg/kg
Chromium, Cr	34.3	1	"	"	"	0.5	mg/kg
Copper, Cu	609	10	"	"	5/10/2016	5.0	mg/kg
Molybdenum, Mo	ND	1	"	"	5/9/2016	0.5	mg/kg
Nickel, Ni	28.1	1	"	"	"	0.5	mg/kg
Lead, Pb	99.5	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	64.8	1	"	"	"	0.5	mg/kg
Zinc, Zn	359	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	ND	1	H16050702	5/7/2016	5/9/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/12/2016
JEL Ref. No.: ST-9293
Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front Street
Burbank, CA

Date Sampled: 5/4-5/2016
Date Received: 5/5/2016
Date Analyzed: 5/9-11/2016
Physical State: Soil

Sample ID: A7-14.5' **JEL ID:** ST-9293-17

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16050702	5/7/2016	5/9/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	107	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	7.5	1	"	"	"	0.5	mg/kg
Chromium, Cr	15.7	1	"	"	"	0.5	mg/kg
Copper, Cu	26.5	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	8.5	1	"	"	"	0.5	mg/kg
Lead, Pb	1.0	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	40.5	1	"	"	"	0.5	mg/kg
Zinc, Zn	41.3	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	ND	1	H16050702	5/7/2016	5/9/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/12/2016
JEL Ref. No.: ST-9293
Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front Street
Burbank, CA

Date Sampled: 5/4-5/2016
Date Received: 5/5/2016
Date Analyzed: 5/9-11/2016
Physical State: Soil

Sample ID: A7-20.5' **JEL ID:** ST-9293-18

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16050702	5/7/2016	5/9/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	139	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	12.7	1	"	"	"	0.5	mg/kg
Chromium, Cr	23.5	1	"	"	"	0.5	mg/kg
Copper, Cu	32.1	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	15.5	1	"	"	"	0.5	mg/kg
Lead, Pb	2.1	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	54.7	1	"	"	"	0.5	mg/kg
Zinc, Zn	55.5	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	ND	1	H16050703	5/7/2016	5/9/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/12/2016
JEL Ref. No.: ST-9293
Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front Street
Burbank, CA

Date Sampled: 5/4-5/2016
Date Received: 5/5/2016
Date Analyzed: 5/9-11/2016
Physical State: Soil

Sample ID: A8-1' **JEL ID:** ST-9293-19

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16050702	5/7/2016	5/9/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	131	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	12.2	1	"	"	"	0.5	mg/kg
Chromium, Cr	18.5	1	"	"	"	0.5	mg/kg
Copper, Cu	25.1	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	12.2	1	"	"	"	0.5	mg/kg
Lead, Pb	4.1	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	45.8	1	"	"	"	0.5	mg/kg
Zinc, Zn	62.2	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	0.022	1	H16050703	5/7/2016	5/9/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/12/2016
JEL Ref. No.: ST-9293
Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front Street
Burbank, CA

Date Sampled: 5/4-5/2016
Date Received: 5/5/2016
Date Analyzed: 5/9-11/2016
Physical State: Soil

Sample ID: A8-4.5' **JEL ID:** ST-9293-20

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16050702	5/7/2016	5/9/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	220	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	20.3	1	"	"	"	0.5	mg/kg
Chromium, Cr	34.5	1	"	"	"	0.5	mg/kg
Copper, Cu	42.6	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	25.7	1	"	"	"	0.5	mg/kg
Lead, Pb	4.2	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	74.4	1	"	"	"	0.5	mg/kg
Zinc, Zn	46.8	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	0.030	1	H16050703	5/7/2016	5/9/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/12/2016
JEL Ref. No.: ST-9293
Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front Street
Burbank, CA

Date Sampled: 5/4-5/2016
Date Received: 5/5/2016
Date Analyzed: 5/9-11/2016
Physical State: Soil

Sample ID: A8-8.5' **JEL ID:** ST-9293-21

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16050702	5/7/2016	5/9/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	129	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	11.3	1	"	"	"	0.5	mg/kg
Chromium, Cr	21.5	1	"	"	"	0.5	mg/kg
Copper, Cu	24.3	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	13.9	1	"	"	"	0.5	mg/kg
Lead, Pb	1.4	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	49.7	1	"	"	"	0.5	mg/kg
Zinc, Zn	45.6	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	ND	1	H16050703	5/7/2016	5/9/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/12/2016
JEL Ref. No.: ST-9293
Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front Street
Burbank, CA

Date Sampled: 5/4-5/2016
Date Received: 5/5/2016
Date Analyzed: 5/9-11/2016
Physical State: Soil

Sample ID: A8-14.5' **JEL ID:** ST-9293-22

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16050702	5/7/2016	5/9/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	246	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	15.7	1	"	"	"	0.5	mg/kg
Chromium, Cr	25.4	1	"	"	"	0.5	mg/kg
Copper, Cu	34.0	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	18.8	1	"	"	"	0.5	mg/kg
Lead, Pb	3.0	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	59.3	1	"	"	"	0.5	mg/kg
Zinc, Zn	64.3	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	ND	1	H16050703	5/7/2016	5/9/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/12/2016
JEL Ref. No.: ST-9293
Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front Street
Burbank, CA

Date Sampled: 5/4-5/2016
Date Received: 5/5/2016
Date Analyzed: 5/9-11/2016
Physical State: Soil

Sample ID: A8-20.5' **JEL ID:** ST-9293-23

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16050702	5/7/2016	5/9/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	152	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	13.5	1	"	"	"	0.5	mg/kg
Chromium, Cr	26.3	1	"	"	"	0.5	mg/kg
Copper, Cu	30.6	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	16.8	1	"	"	"	0.5	mg/kg
Lead, Pb	2.2	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	57.1	1	"	"	"	0.5	mg/kg
Zinc, Zn	53.5	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	ND	1	H16050703	5/7/2016	5/9/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/12/2016
JEL Ref. No.: ST-9293
Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front Street
Burbank, CA

Date Sampled: 5/4-5/2016
Date Received: 5/5/2016
Date Analyzed: 5/9-11/2016
Physical State: Soil

Sample ID: A9-1' **JEL ID:** ST-9293-24

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16050702	5/7/2016	5/9/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	126	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	12.3	1	"	"	"	0.5	mg/kg
Chromium, Cr	17.7	1	"	"	"	0.5	mg/kg
Copper, Cu	22.4	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	11.4	1	"	"	"	0.5	mg/kg
Lead, Pb	4.0	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	45.2	1	"	"	"	0.5	mg/kg
Zinc, Zn	59.6	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	0.022	1	H16050703	5/7/2016	5/9/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/12/2016
JEL Ref. No.: ST-9293
Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front Street
Burbank, CA

Date Sampled: 5/4-5/2016
Date Received: 5/5/2016
Date Analyzed: 5/9-11/2016
Physical State: Soil

Sample ID: A9-4.5' **JEL ID:** ST-9293-25

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16050702	5/7/2016	5/9/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	189	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	16.1	1	"	"	"	0.5	mg/kg
Chromium, Cr	31.1	1	"	"	"	0.5	mg/kg
Copper, Cu	35.5	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	20.0	1	"	"	"	0.5	mg/kg
Lead, Pb	3.0	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	66.1	1	"	"	"	0.5	mg/kg
Zinc, Zn	63.8	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	ND	1	H16050703	5/7/2016	5/9/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/12/2016
JEL Ref. No.: ST-9293
Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front Street
Burbank, CA

Date Sampled: 5/4-5/2016
Date Received: 5/5/2016
Date Analyzed: 5/9-11/2016
Physical State: Soil

Sample ID: A9-8.5' **JEL ID:** ST-9293-26

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16050702	5/7/2016	5/9/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	115	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	11.4	1	"	"	"	0.5	mg/kg
Chromium, Cr	20.3	1	"	"	"	0.5	mg/kg
Copper, Cu	21.2	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	12.9	1	"	"	"	0.5	mg/kg
Lead, Pb	1.3	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	47.2	1	"	"	"	0.5	mg/kg
Zinc, Zn	43.4	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	ND	1	H16050703	5/7/2016	5/9/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Leighton & Associates, Inc.	Report date:	5/12/2016
Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	ST-9293
		Client Ref. No.:	11235.002
Attn:	Robin Ferber	Date Sampled:	5/4-5/2016
		Date Received:	5/5/2016
Project:	SJ4 Burbank	Date Analyzed:	5/9-11/2016
Project Address:	777 N. Front Street Burbank, CA	Physical State:	Soil

Sample ID: A9-14.5' **JEL ID:** ST-9293-27

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16050702	5/7/2016	5/9/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	179	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	16.8	1	"	"	"	0.5	mg/kg
Chromium, Cr	26.9	1	"	"	"	0.5	mg/kg
Copper, Cu	32.9	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	19.8	1	"	"	"	0.5	mg/kg
Lead, Pb	3.0	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	58.8	1	"	"	"	0.5	mg/kg
Zinc, Zn	69.0	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	ND	1	H16050703	5/7/2016	5/9/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/12/2016
JEL Ref. No.: ST-9293
Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front Street
Burbank, CA

Date Sampled: 5/4-5/2016
Date Received: 5/5/2016
Date Analyzed: 5/9-11/2016
Physical State: Soil

Sample ID: A9-20.5' **JEL ID:** ST-9293-28

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16050702	5/7/2016	5/9/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	171	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	13.0	1	"	"	"	0.5	mg/kg
Chromium, Cr	23.1	1	"	"	"	0.5	mg/kg
Copper, Cu	28.6	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	15.4	1	"	"	"	0.5	mg/kg
Lead, Pb	2.6	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	51.8	1	"	"	"	0.5	mg/kg
Zinc, Zn	57.2	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	ND	1	H16050703	5/7/2016	5/9/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/12/2016
JEL Ref. No.: ST-9293
Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front Street
Burbank, CA

Date Sampled: 5/4-5/2016
Date Received: 5/5/2016
Date Analyzed: 5/9-11/2016
Physical State: Soil

Sample ID: A9-20.5'-D **JEL ID:** ST-9293-29

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16050702	5/7/2016	5/9/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	142	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	12.3	1	"	"	"	0.5	mg/kg
Chromium, Cr	22.6	1	"	"	"	0.5	mg/kg
Copper, Cu	25.0	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	13.8	1	"	"	"	0.5	mg/kg
Lead, Pb	1.1	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	56.0	1	"	"	"	0.5	mg/kg
Zinc, Zn	48.9	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	ND	1	H16050703	5/7/2016	5/9/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/12/2016
JEL Ref. No.: ST-9293
Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front Street
Burbank, CA

Date Sampled: 5/4-5/2016
Date Received: 5/5/2016
Date Analyzed: 5/9-11/2016
Physical State: Soil

Sample ID: A9-25.5' **JEL ID:** ST-9293-30

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16050702	5/7/2016	5/9/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	113	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	9.2	1	"	"	"	0.5	mg/kg
Chromium, Cr	12.6	1	"	"	"	0.5	mg/kg
Copper, Cu	16.3	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	7.8	1	"	"	"	0.5	mg/kg
Lead, Pb	0.6	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	43.7	1	"	"	"	0.5	mg/kg
Zinc, Zn	36.1	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	ND	1	H16050703	5/7/2016	5/9/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/12/2016
JEL Ref. No.: ST-9293
Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front Street
Burbank, CA

Date Sampled: 5/4-5/2016
Date Received: 5/5/2016
Date Analyzed: 5/9-11/2016
Physical State: Soil

Sample ID: A9-30.5' **JEL ID:** ST-9293-31

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16050702	5/7/2016	5/9/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	60.8	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	5.6	1	"	"	"	0.5	mg/kg
Chromium, Cr	10.0	1	"	"	"	0.5	mg/kg
Copper, Cu	10.7	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	5.0	1	"	"	"	0.5	mg/kg
Lead, Pb	ND	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	32.9	1	"	"	"	0.5	mg/kg
Zinc, Zn	22.7	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	ND	1	H16050703	5/7/2016	5/9/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/12/2016
JEL Ref. No.: ST-9293
Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front Street
Burbank, CA

Date Sampled: 5/4-5/2016
Date Received: 5/5/2016
Date Analyzed: 5/9-11/2016
Physical State: Soil

Sample ID: A10-1' **JEL ID:** ST-9293-32

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16050702	5/7/2016	5/9/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	145	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	15.0	1	"	"	"	0.5	mg/kg
Chromium, Cr	21.6	1	"	"	"	0.5	mg/kg
Copper, Cu	22.6	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	15.4	1	"	"	"	0.5	mg/kg
Lead, Pb	6.2	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	47.9	1	"	"	"	0.5	mg/kg
Zinc, Zn	66.6	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	ND	1	H16050703	5/7/2016	5/9/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/12/2016
JEL Ref. No.: ST-9293
Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front Street
Burbank, CA

Date Sampled: 5/4-5/2016
Date Received: 5/5/2016
Date Analyzed: 5/9-11/2016
Physical State: Soil

Sample ID: A10-14.5' **JEL ID:** ST-9293-33

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16050702	5/7/2016	5/9/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	83.8	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	7.2	1	"	"	"	0.5	mg/kg
Chromium, Cr	20.1	1	"	"	"	0.5	mg/kg
Copper, Cu	14.2	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	8.2	1	"	"	"	0.5	mg/kg
Lead, Pb	ND	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	33.1	1	"	"	"	0.5	mg/kg
Zinc, Zn	34.5	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	ND	1	H16050703	5/7/2016	5/9/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/12/2016
JEL Ref. No.: ST-9293
Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front Street
Burbank, CA

Date Sampled: 5/4-5/2016
Date Received: 5/5/2016
Date Analyzed: 5/9-11/2016
Physical State: Soil

Sample ID: A10-20.5' **JEL ID:** ST-9293-34

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16050901	5/9/2016	5/10/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	129	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	9.8	1	"	"	"	0.5	mg/kg
Chromium, Cr	18.0	1	"	"	"	0.5	mg/kg
Copper, Cu	23.9	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	12.2	1	"	"	"	0.5	mg/kg
Lead, Pb	2.8	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	40.5	1	"	"	"	0.5	mg/kg
Zinc, Zn	50.0	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	ND	1	H16050703	5/7/2016	5/9/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/12/2016
JEL Ref. No.: ST-9293
Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front Street
Burbank, CA

Date Sampled: 5/4-5/2016
Date Received: 5/5/2016
Date Analyzed: 5/9-11/2016
Physical State: Soil

Sample ID: A10-25.5' **JEL ID:** ST-9293-35

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16050901	5/9/2016	5/10/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	242	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	16.0	1	"	"	"	0.5	mg/kg
Chromium, Cr	13.0	1	"	"	"	0.5	mg/kg
Copper, Cu	30.3	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	5.3	1	"	"	"	0.5	mg/kg
Lead, Pb	1.4	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	70.2	1	"	"	"	0.5	mg/kg
Zinc, Zn	63.0	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	ND	1	H16050703	5/7/2016	5/9/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/12/2016
JEL Ref. No.: ST-9293
Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front Street
Burbank, CA

Date Sampled: 5/4-5/2016
Date Received: 5/5/2016
Date Analyzed: 5/9-11/2016
Physical State: Soil

Sample ID: A10-30.5' **JEL ID:** ST-9293-36

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16050901	5/9/2016	5/10/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	142	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	12.6	1	"	"	"	0.5	mg/kg
Chromium, Cr	19.2	1	"	"	"	0.5	mg/kg
Copper, Cu	29.3	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	14.2	1	"	"	"	0.5	mg/kg
Lead, Pb	2.8	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	49.8	1	"	"	"	0.5	mg/kg
Zinc, Zn	62.8	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	ND	1	H16050703	5/7/2016	5/9/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/12/2016
JEL Ref. No.: ST-9293
Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front Street
Burbank, CA

Date Sampled: 5/4-5/2016
Date Received: 5/5/2016
Date Analyzed: 5/9-11/2016
Physical State: Soil

Sample ID: LB4-1' **JEL ID:** ST-9293-37

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16050901	5/9/2016	5/10/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	159	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	10.3	1	"	"	"	0.5	mg/kg
Chromium, Cr	19.1	1	"	"	"	0.5	mg/kg
Copper, Cu	61.3	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	17.9	1	"	"	"	0.5	mg/kg
Lead, Pb	11.9	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	45.8	1	"	"	"	0.5	mg/kg
Zinc, Zn	684	10	"	"	"	5.0	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	ND	1	H16050703	5/7/2016	5/9/2016	0.020	mg/kg

ND= Not Detected



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11007 FOREST PLACE
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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Leighton & Associates, Inc.	Report date:	5/12/2016
Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	ST-9293
		Client Ref. No.:	11235.002
Attn:	Robin Ferber	Date Sampled:	5/4-5/2016
		Date Received:	5/5/2016
Project:	SJ4 Burbank	Date Analyzed:	5/9-11/2016
Project Address:	777 N. Front Street Burbank, CA	Physical State:	Soil

Sample ID: LB4-4.5' **JEL ID:** ST-9293-38

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16050901	5/9/2016	5/10/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	126	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	10.4	1	"	"	"	0.5	mg/kg
Chromium, Cr	18.4	1	"	"	"	0.5	mg/kg
Copper, Cu	21.7	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	12.3	1	"	"	"	0.5	mg/kg
Lead, Pb	1.6	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	44.2	1	"	"	"	0.5	mg/kg
Zinc, Zn	48.0	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	ND	1	H16050901	5/9/2016	5/11/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/12/2016
JEL Ref. No.: ST-9293
Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front Street
Burbank, CA

Date Sampled: 5/4-5/2016
Date Received: 5/5/2016
Date Analyzed: 5/9-11/2016
Physical State: Soil

Sample ID: LB4-8.5' **JEL ID:** ST-9293-39

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16050901	5/9/2016	5/10/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	120	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	9.8	1	"	"	"	0.5	mg/kg
Chromium, Cr	19.6	1	"	"	"	0.5	mg/kg
Copper, Cu	22.2	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	12.1	1	"	"	"	0.5	mg/kg
Lead, Pb	1.6	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	42.8	1	"	"	"	0.5	mg/kg
Zinc, Zn	46.1	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	ND	1	H16050901	5/9/2016	5/11/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/12/2016
JEL Ref. No.: ST-9293
Client Ref. No.: 11235.002

Attn: Robin Ferber

Project: SJ4 Burbank
Project Address: 777 N. Front Street
Burbank, CA

Date Sampled: 5/4-5/2016
Date Received: 5/5/2016
Date Analyzed: 5/9-11/2016
Physical State: Soil

Sample ID: LB4-14.5' **JEL ID:** ST-9293-40

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16050901	5/9/2016	5/10/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	153	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	9.2	1	"	"	"	0.5	mg/kg
Chromium, Cr	13.2	1	"	"	"	0.5	mg/kg
Copper, Cu	17.6	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	7.7	1	"	"	"	0.5	mg/kg
Lead, Pb	1.1	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	42.8	1	"	"	"	0.5	mg/kg
Zinc, Zn	44.0	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	ND	1	H16050901	5/9/2016	5/11/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Leighton & Associates, Inc.	Report date:	5/12/2016
Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	ST-9293
		Client Ref. No.:	11235.002
Attn:	Robin Ferber	Date Sampled:	5/4-5/2016
		Date Received:	5/5/2016
Project:	SJ4 Burbank	Date Analyzed:	5/9-11/2016
Project Address:	777 N. Front Street Burbank, CA	Physical State:	Soil

Sample ID: LB4-20.5' **JEL ID:** ST-9293-41

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16050901	5/9/2016	5/10/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	225	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	18.1	1	"	"	"	0.5	mg/kg
Chromium, Cr	31.2	1	"	"	"	0.5	mg/kg
Copper, Cu	38.1	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	22.9	1	"	"	"	0.5	mg/kg
Lead, Pb	3.6	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	68.1	1	"	"	"	0.5	mg/kg
Zinc, Zn	74.8	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	ND	1	H16050901	5/9/2016	5/11/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/12/2016
JEL Ref. No.: ST-9293
Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front Street
Burbank, CA

Date Sampled: 5/4-5/2016
Date Received: 5/5/2016
Date Analyzed: 5/9-11/2016
Physical State: Soil

Sample ID: LB6-1' **JEL ID:** ST-9293-42

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16050901	5/9/2016	5/10/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	260	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	19.9	1	"	"	"	0.5	mg/kg
Chromium, Cr	35.7	1	"	"	"	0.5	mg/kg
Copper, Cu	45.6	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	26.0	1	"	"	"	0.5	mg/kg
Lead, Pb	4.2	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	75.1	1	"	"	"	0.5	mg/kg
Zinc, Zn	81.7	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	ND	1	H16050901	5/9/2016	5/11/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/12/2016
JEL Ref. No.: ST-9293
Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front Street
Burbank, CA

Date Sampled: 5/4-5/2016
Date Received: 5/5/2016
Date Analyzed: 5/9-11/2016
Physical State: Soil

Sample ID: LB6-5' **JEL ID:** ST-9293-43

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16050901	5/9/2016	5/10/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	205	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	17.1	1	"	"	"	0.5	mg/kg
Chromium, Cr	30.1	1	"	"	"	0.5	mg/kg
Copper, Cu	32.6	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	21.6	1	"	"	"	0.5	mg/kg
Lead, Pb	2.7	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	65.4	1	"	"	"	0.5	mg/kg
Zinc, Zn	73.7	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	ND	1	H16050901	5/9/2016	5/11/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/12/2016
JEL Ref. No.: ST-9293
Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front Street
Burbank, CA

Date Sampled: 5/4-5/2016
Date Received: 5/5/2016
Date Analyzed: 5/9-11/2016
Physical State: Soil

Sample ID: LB6-11' **JEL ID:** ST-9293-44

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16050901	5/9/2016	5/10/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	190	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	16.3	1	"	"	"	0.5	mg/kg
Chromium, Cr	28.7	1	"	"	"	0.5	mg/kg
Copper, Cu	33.3	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	20.6	1	"	"	"	0.5	mg/kg
Lead, Pb	3.2	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	63.2	1	"	"	"	0.5	mg/kg
Zinc, Zn	68.8	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	ND	1	H16050901	5/9/2016	5/11/2016	0.020	mg/kg

ND= Not Detected



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11007 FOREST PLACE
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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/12/2016
JEL Ref. No.: ST-9293
Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front Street
Burbank, CA

Date Sampled: 5/4-5/2016
Date Received: 5/5/2016
Date Analyzed: 5/9-11/2016
Physical State: Soil

Sample ID: LB6-17' **JEL ID:** ST-9293-45

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16050901	5/9/2016	5/10/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	147	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	13.8	1	"	"	"	0.5	mg/kg
Chromium, Cr	23.4	1	"	"	"	0.5	mg/kg
Copper, Cu	30.7	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	15.7	1	"	"	"	0.5	mg/kg
Lead, Pb	2.9	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	57.3	1	"	"	"	0.5	mg/kg
Zinc, Zn	57.6	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	ND	1	H16050901	5/9/2016	5/11/2016	0.020	mg/kg

ND= Not Detected



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11007 FOREST PLACE
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JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

Client:	Leighton & Associates, Inc.	Report date:	5/12/2016
Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	ST-9293
		Client Ref. No.:	10/4/1930
Attn:	Robin Ferber	Date Sampled:	5/4-5/2016
		Date Received:	5/5/2016
Project:	SJ4 Burbank	Date Analyzed:	5/9-11/2016
Project Address:	777 N. Front Street Burbank, CA	Physical State:	Soil

BATCH: I16050701 **Prepared:** 5/7/2016 **Analyzed:** 5/9/2016

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	Result	Spike Level	% REC	% REC Limits	% RPD	Practical Quantitation Limit	Units
METHOD BLANK: I160507-BLK1							
Analytes:							
Silver, Ag	ND					0.5	mg/kg
Arsenic, As	ND					0.5	mg/kg
Barium, Ba	ND					0.5	mg/kg
Beryllium, Be	ND					0.5	mg/kg
Cadmium, Cd	ND					0.5	mg/kg
Cobalt, Co	ND					0.5	mg/kg
Chromium, Cr	ND					0.5	mg/kg
Copper, Cu	ND					0.5	mg/kg
Molybdenum, Mo	ND					0.5	mg/kg
Nickel, Ni	ND					0.5	mg/kg
Lead, Pb	ND					0.5	mg/kg
Antimony, Sb	ND					0.5	mg/kg
Selenium, Se	ND					0.5	mg/kg
Thallium, Tl	ND					0.5	mg/kg
Vanadium, V	ND					0.5	mg/kg
Zinc, Zn	ND					0.5	mg/kg

ND= Not Detected



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11007 FOREST PLACE
SANTA FE SPRINGS, CA 90670
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JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

Client:	Leighton & Associates, Inc.	Report date:	5/12/2016
Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	ST-9293
		Client Ref. No.:	10/4/1930
Attn:	Robin Ferber	Date Sampled:	5/4-5/2016
		Date Received:	5/5/2016
Project:	SJ4 Burbank	Date Analyzed:	5/9-11/2016
Project Address:	777 N. Front Street Burbank, CA	Physical State:	Soil

BATCH: I16050701 **Prepared:** 5/7/2016 **Analyzed:** 5/9/2016

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	Result	Spike Level	Source Result	% REC	% RPD	% REC Limits	Units
MATRIX SPIKE: I160507-LCS1							
Barium, Ba	216	200	ND	108%		75 - 125	mg/kg
Cobalt, Co	57.2	50.0	ND	114%		75 - 125	mg/kg
Lead, Pb	53.8	50.0	ND	108%		75 - 125	mg/kg
Selenium, Se	178	200	ND	89%		75 - 125	mg/kg
Zinc, Zn	55.7	50.0	ND	111%		75 - 125	mg/kg
MATRIX SPIKE DUPLICATE: I160507-LCSD1							
Barium, Ba	207	200	ND	103%	4.2%	75 - 125	mg/kg
Cobalt, Co	54.7	50.0	ND	109%	4.4%	75 - 125	mg/kg
Lead, Pb	52.6	50.0	ND	105%	2.3%	75 - 125	mg/kg
Selenium, Se	175	200	ND	88%	1.8%	75 - 125	mg/kg
Zinc, Zn	51.3	50.0	ND	103%	8.3%	75 - 125	mg/kg

ND= Not Detected

RPD = Relative Percent Difference; Acceptability range for RPD is $\leq 15\%$



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JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

Client:	Leighton & Associates, Inc.	Report date:	5/12/2016
Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	ST-9293
		Client Ref. No.:	10/4/1930
Attn:	Robin Ferber	Date Sampled:	5/4-5/2016
		Date Received:	5/5/2016
Project:	SJ4 Burbank	Date Analyzed:	5/9-11/2016
Project Address:	777 N. Front Street Burbank, CA	Physical State:	Soil

BATCH: I16050702 **Prepared:** 5/7/2016 **Analyzed:** 5/9/2016

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	Result	Spike Level	% REC	% REC Limits	% RPD	Practical Quantitation Limit	Units
METHOD BLANK:	I160507-BLK2						
Analytes:							
Silver, Ag	ND					0.5	mg/kg
Arsenic, As	ND					0.5	mg/kg
Barium, Ba	ND					0.5	mg/kg
Beryllium, Be	ND					0.5	mg/kg
Cadmium, Cd	ND					0.5	mg/kg
Cobalt, Co	ND					0.5	mg/kg
Chromium, Cr	ND					0.5	mg/kg
Copper, Cu	ND					0.5	mg/kg
Molybdenum, Mo	ND					0.5	mg/kg
Nickel, Ni	ND					0.5	mg/kg
Lead, Pb	ND					0.5	mg/kg
Antimony, Sb	ND					0.5	mg/kg
Selenium, Se	ND					0.5	mg/kg
Thallium, Tl	ND					0.5	mg/kg
Vanadium, V	ND					0.5	mg/kg
Zinc, Zn	ND					0.5	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

Client:	Leighton & Associates, Inc.	Report date:	5/12/2016
Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	ST-9293
		Client Ref. No.:	10/4/1930
Attn:	Robin Ferber	Date Sampled:	5/4-5/2016
		Date Received:	5/5/2016
Project:	SJ4 Burbank	Date Analyzed:	5/9-11/2016
Project Address:	777 N. Front Street Burbank, CA	Physical State:	Soil

BATCH: I16050702 **Prepared:** 5/7/2016 **Analyzed:** 5/9/2016

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	Result	Spike Level	Source Result	% REC	% RPD	% REC Limits	Units
LCS: I160507-LCS2							
Barium, Ba	222	200	ND	111%		75 - 125	mg/kg
Cobalt, Co	59.3	50.0	ND	119%		75 - 125	mg/kg
Lead, Pb	54.9	50.0	ND	110%		75 - 125	mg/kg
Selenium, Se	182	200	ND	91%		75 - 125	mg/kg
Zinc, Zn	66.2	50.0	ND	132%		75 - 125	mg/kg
LCSD: I160507-LCSD2							
Barium, Ba	210	200	ND	105%	5.5%	75 - 125	mg/kg
Cobalt, Co	55.8	50.0	ND	112%	6.1%	75 - 125	mg/kg
Lead, Pb	55.8	50.0	ND	112%	1.6%	75 - 125	mg/kg
Selenium, Se	186	200	ND	93%	2.1%	75 - 125	mg/kg
Zinc, Zn	59.9	50.0	ND	120%	9.9%	75 - 125	mg/kg

ND= Not Detected

RPD = Relative Percent Difference; Acceptability range for RPD is $\leq 15\%$



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JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

Client:	Leighton & Associates, Inc.	Report date:	5/12/2016
Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	ST-9293
		Client Ref. No.:	10/4/1930
Attn:	Robin Ferber	Date Sampled:	5/4-5/2016
		Date Received:	5/5/2016
Project:	SJ4 Burbank	Date Analyzed:	5/9-11/2016
Project Address:	777 N. Front Street Burbank, CA	Physical State:	Soil

BATCH: I16050901 **Prepared:** 5/9/2016 **Analyzed:** 5/10/2016

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	Result	Spike Level	% REC	% REC Limits	% RPD	Practical Quantitation Limit	Units
METHOD BLANK:	I160509-BLK1						
Analytes:							
Silver, Ag	ND					0.5	mg/kg
Arsenic, As	ND					0.5	mg/kg
Barium, Ba	ND					0.5	mg/kg
Beryllium, Be	ND					0.5	mg/kg
Cadmium, Cd	ND					0.5	mg/kg
Cobalt, Co	ND					0.5	mg/kg
Chromium, Cr	ND					0.5	mg/kg
Copper, Cu	ND					0.5	mg/kg
Molybdenum, Mo	ND					0.5	mg/kg
Nickel, Ni	ND					0.5	mg/kg
Lead, Pb	ND					0.5	mg/kg
Antimony, Sb	ND					0.5	mg/kg
Selenium, Se	ND					0.5	mg/kg
Thallium, Tl	ND					0.5	mg/kg
Vanadium, V	ND					0.5	mg/kg
Zinc, Zn	ND					0.5	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

Client:	Leighton & Associates, Inc.	Report date:	5/12/2016
Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	ST-9293
		Client Ref. No.:	10/4/1930
Attn:	Robin Ferber	Date Sampled:	5/4-5/2016
		Date Received:	5/5/2016
Project:	SJ4 Burbank	Date Analyzed:	5/9-11/2016
Project Address:	777 N. Front Street Burbank, CA	Physical State:	Soil

BATCH: I16050901 **Prepared:** 5/9/2016 **Analyzed:** 5/10/2016

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	Result	Spike Level	Source Result	% REC	% RPD	% REC Limits	Units
LCS: I160509-LCS1							
Barium, Ba	210	200	ND	105%		75 - 125	mg/kg
Cobalt, Co	53.6	50.0	ND	107%		75 - 125	mg/kg
Lead, Pb	51.1	50.0	ND	102%		75 - 125	mg/kg
Selenium, Se	181	200	ND	91%		75 - 125	mg/kg
Zinc, Zn	58.3	50.0	ND	117%		75 - 125	mg/kg
LCSD: I160509-LCSD1							
Barium, Ba	213	200	ND	106%	1.3%	75 - 125	mg/kg
Cobalt, Co	54.6	50.0	ND	109%	1.9%	75 - 125	mg/kg
Lead, Pb	51.4	50.0	ND	103%	0.6%	75 - 125	mg/kg
Selenium, Se	184	200	ND	92%	1.4%	75 - 125	mg/kg
Zinc, Zn	58.8	50.0	ND	118%	0.8%	75 - 125	mg/kg

ND= Not Detected

RPD = Relative Percent Difference; Acceptability range for RPD is $\leq 15\%$



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JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

Client:	Leighton & Associates, Inc.	Report date:	5/12/2016
Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	ST-9293
		Client Ref. No.:	10/4/1930
Attn:	Robin Ferber	Date Sampled:	5/4-5/2016
		Date Received:	5/5/2016
Project:	SJ4 Burbank	Date Analyzed:	5/9-11/2016
Project Address:	777 N. Front Street Burbank, CA	Physical State:	Soil

BATCH: H16050702 **Prepared:** 5/7/2016 **Analyzed:** 5/9/2016

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	Result	Spike Level	Source Result	% REC	% RPD	% REC Limits	Units
METHOD BLANK:	H160507-BLK2						
Analytes:							
Mercury, Hg	ND						mg/kg
LCS:	H160507-LCS2						
Mercury, Hg	0.87	1.00	ND	87%		75 - 125	mg/kg
LCSD:	H160507-LCSD2						
Mercury, Hg	0.85	1.00	ND	85%	1.9%	75 - 125	mg/kg

ND= Not Detected

RPD = Relative Percent Difference; Acceptability range for RPD is $\leq 15\%$



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JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

Client:	Leighton & Associates, Inc.	Report date:	5/12/2016
Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	ST-9293
		Client Ref. No.:	10/4/1930
Attn:	Robin Ferber	Date Sampled:	5/4-5/2016
		Date Received:	5/5/2016
Project:	SJ4 Burbank	Date Analyzed:	5/9-11/2016
Project Address:	777 N. Front Street Burbank, CA	Physical State:	Soil

BATCH: H16050703 **Prepared:** 5/7/2016 **Analyzed:** 5/9/2016

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	Result	Spike Level	Source Result	% REC	% RPD	% REC Limits	Units
METHOD BLANK:	H160507-BLK3						
Analytes:							
Mercury, Hg	ND						mg/kg
LCS:	H160507-LCS3						
Mercury, Hg	0.73	1.00	ND	73%		75 - 125	mg/kg
LCSD:	H160507-LCSD3						
Mercury, Hg	0.78	1.00	ND	78%	6.2%	75 - 125	mg/kg

ND= Not Detected

RPD = Relative Percent Difference; Acceptability range for RPD is $\leq 15\%$



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JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

Client:	Leighton & Associates, Inc.	Report date:	5/12/2016
Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	ST-9293
		Client Ref. No.:	10/4/1930
Attn:	Robin Ferber	Date Sampled:	5/4-5/2016
		Date Received:	5/5/2016
Project:	SJ4 Burbank	Date Analyzed:	5/9-11/2016
Project Address:	777 N. Front Street Burbank, CA	Physical State:	Soil

BATCH: H16050901 **Prepared:** 5/9/2016 **Analyzed:** 5/11/2016

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	Result	Spike Level	Source Result	% REC	% RPD	% REC Limits	Units
METHOD BLANK:	H160509-BLK1						
Analytes:							
Mercury, Hg	ND						mg/kg
LCS:	H160509-LCS1						
Mercury, Hg	1.03	1.00	ND	103%		75 - 125	mg/kg
LCSD:	H160509-LCSD1						
Mercury, Hg	1.04	1.00	ND	104%	1.0%	75 - 125	mg/kg

ND= Not Detected

RPD = Relative Percent Difference; Acceptability range for RPD is $\leq 15\%$



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Chain-of-Custody Record

Client		Date		SOIL GAS		JEL Project #						
Leighton+Associates		5-5-16		Purge Number: ☐ 1P ☐ 3P ☐ 7P ☐ 10P		ST-9293						
Project Name		Client Project #		Purge Rate: cc/min		Page 1 of 5						
584 Burbank		11235.002		Shut in Test Y / N		Lab Use Only						
Project Address		Turn Around Requested:		Tracer:		Sample Condition as Received:						
777 N. Front Street, Burbank, CA		☐ Immediate Attention		☐ n-propanol		Chilled ☐ yes ☐ no						
		Rush: ☐ 24 ☐ 48 ☐ 72		☐ n-pentane		Sealed ☐ yes ☐ no						
Project Contact		☒ Normal		☐ 1,1-DFA								
Robin Feiber		☐ Mobile Lab		☐ Helium								
Sample ID	Purge Number	Purge Volume	Date	Sample Collection Time	Sample Analysis Time	Laboratory Sample Number	Sample Matrix: Soil (S), Sludge (SL), Aqueous (A), Soil Gas (SG)	TPH-cc - 3015M	VOCs - 8260B	Analysis Requested	Number of Containers	Remarks/Special Instructions
A5-1.25'			5-4-16	1510		ST-9293-01	S	X	X	X	11	
A5-4.5'			"	1520		ST-9293-02						
A5B-1'			"	1540		ST-9293-03						
A5B-4.5'			"	1543		ST-9293-04						
A5B-8.5'			"	1545		ST-9293-05						
A5B-11.5'			"	1548		ST-9293-06						
A5B-20.5'			"	1552		ST-9293-07						
A6-1'			5-5-16	1020		ST-9293-08						
A6-4.5'			"	1027		ST-9293-09						
A6-8.5'			"	1035		ST-9293-10						
1 Relinquished by (signature)				Date		Received by (signature)		Date		Total Number of Containers		
[Signature]				5-5-16		[Signature]		5-5-16		40		
Company				Time		Company		Time		The delivery of samples and the signature on this Chain of Custody form constitutes authorization to perform the analyses specified above under the Terms and Conditions set forth on the back hereof.		
Leighton Associates				1505		JEL		15:05				
2 Relinquished by (signature)				Date		Received by Laboratory (signature)		Date				
[Signature]				5/5/16		[Signature]		5-5-16				
Company				Time		Company		Time				
JEL				17:30		Jones Environmental Inc		17:30				



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Chain-of-Custody Record

Client		Date		SOIL GAS		JEL Project #				
Leighton + Associates		5-5-16		Purge Number: ☐ 1P ☐ 3P ☐ 7P ☐ 10P		51-9223				
Project Name		Client Project #		Purge Rate: _____ cc/min		Page 2 of 5				
Project Address		1035.002		Shut in Test Y / N		Lab Use Only				
Project Contact		Turn Around Requested:		Tracer:		Sample Condition as Received:				
777 N. Front Street, Burbank, CA		☐ Immediate Attention		☐ n-propanol		Chilled ☐ yes ☐ no				
Dobin Ferber		Rush: ☐ 24 ☐ 48 ☐ 72		☐ 1,1-DFA		Sealed ☐ yes ☐ no				
		☒ Normal		☐ Helium						
		☐ Mobile Lab								
Sample ID	Purge Number	Purge Volume	Date	Sample Collection Time	Sample Analysis Time	Laboratory Sample Number	Sample Matrix: Soil (S) Sludge (SL) Aqueous (A) Soil Gas (SG)	Analysis Requested	Number of Containers	Remarks/Special Instructions
A6-14.5'			5-5-16	1038		51-9223-11	TP1-cc - 6015M	(CAM-17McKale-6015M)	4	
A6-20.5'			"	1044		51-9223-12	VCs - 82608			
A6-20.5'-D			"	1044		51-9223-13				
A7-1'			"	1141		51-9223-14				
A7-3.5'			"	1116		51-9223-15				
A7-8.5'			"	1120		51-9223-16				
A7-14.5'			"	1121		51-9223-17				
A7-20.5'			"	1127		51-9223-18				
A8-1'			"	1238		51-9223-19				
A8-14.5'			"	1242		51-9223-20				
1 Relinquished by (signature)				2 Received by (signature)		Date		Total Number of Containers		The delivery of samples and the signature on this Chain of Custody form constitutes authorization to perform the analyses specified above under the Terms and Conditions set forth on the back hereof.
Company				Company		5/5/16		40		
Leighton + Associates				JEL		Time		15:05		
3 Relinquished by (signature)				4 Received by Laboratory (signature)		Date				
Company				Company		5/5/16				
JEL				Jones Environmental Inc		Time		1930		



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Chain-of-Custody Record

Client				Date				SOIL GAS				JEL Project #			
Project Name				Client Project #				Purge Number: ☐ 1P ☐ 3P ☐ 7P ☐ 10P				Page 3 of 5			
Project Address				Turn Around Requested:				Purge Rate: cc/min				Lab Use Only			
Project Contact				Rush: ☐ 24 ☐ 48 ☐ 72				Shut in Test Y / N				Sample Condition as Received:			
				☒ Normal ☐ Mobile Lab				Tracer: ☐ n-propanol ☐ n-pentane ☐ 1,1-DFA ☐ Helium				Chilled ☐ yes ☐ no			
												Sealed ☐ yes ☐ no			
Sample ID	Purge Number	Purge Volume	Date	Sample Collection Time	Sample Analysis Time	Laboratory Sample Number	Sample Matrix: Soil (S), Sludge (SL), Aqueous (A), Soil Gas (SG)	VOCs - 8260B	TPH - CC - 8015M	(AM-17 Method) - VOC/THI	Analysis Requested	Number of Containers	Remarks/Special Instructions		
A8-8.5'			5-5-16	12:17 5-5-16		ST-9293-21	S	X	X	X		4			
A8-14.5'				12:49		ST-9293-22									
A8-20.5'				12:52		ST-9293-23									
A9-1'				13:16		ST-9293-24									
A9-4.5'				13:19		ST-9293-25									
A9-8.5'				13:22		ST-9293-26									
A9-14.5'				13:25		ST-9293-27									
A9-20.5'				13:28		ST-9293-28									
A9-20.5'-D				13:28		ST-9293-29									
A9-25.5'				13:31		ST-9293-30									
1 Relinquished by (signature)				Date	5-5-16	2 Received by (signature)		Date		5/5/16	Total Number of Containers		410		
Company				Time	1505	Company		Time		15:05	The delivery of samples and the signature on this Chain of Custody form constitutes authorization to perform the analyses specified above under the Terms and Conditions set forth on the back hereof.				
3 Relinquished by (signature)				Date	5/5/16	4 Received by Laboratory (signature)		Date		5/5/16					
Company				Time	17:30	Company		Time		17:30					



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Chain-of-Custody Record

Client		Date		SOIL GAS		JEL Project #					
Leighton + Associates		5-5-16		Purge Number: ☐ 1P ☐ 3P ☐ 7P ☐ 10P		ST-4203					
Project Name		Client Project #		Purge Rate: cc/min		Page 4 of 5					
584 Burbank		1235.002		Shut in Test Y / N		Lab Use Only					
Project Address		Turn Around Requested:		Tracer:		Sample Condition as Received:					
777 N. Front Street, Burbank, CA		☐ Immediate Attention		☐ n-propanol		☐ Chilled ☐ yes ☐ no					
Project Contact		Rush: ☐ 24 ☐ 48 ☐ 72		☐ Helium		☐ Sealed ☐ yes ☐ no					
Rebin Farber		☐ Normal ☐ Mobile Lab									
Sample ID	Purge Number	Purge Volume	Date	Sample Collection Time	Sample Analysis Time	Laboratory Sample Number	Sample Matrix: Soil (S) Sludge (SL) Aqueous (A) Soil Gas (SG)	TPH-cc - 80ISM	Analysis Requested	Number of Containers	Remarks/Special Instructions
A9-30.5'			5-5-16	1335		ST-9293-31	5	X	X	4	
A10-1'				1404		ST-9293-32					
A10-14.5'				1410		ST-9293-33					
A10-20.5'				1420		ST-9293-34					
A10-25.5'				1425		ST-9293-35					
A10-30.5'				1430		ST-9293-36					
LB4-1'				0925		ST-9293-37					
LB4-4.5'				0930		ST-9293-38					
LB4-8.5'				0940		ST-9293-39					
LB4-14.5'				0945		ST-9293-40					
1 Relinquished by (signature)				2 Received by (signature)		Date		Total Number of Containers			
5-5-16				5-5-16		5/5/16		40			
Company				Company		Time		The delivery of samples and the signature on this Chain of Custody form constitutes authorization to perform the analyses specified above under the Terms and Conditions set forth on the back hereof.			
Leighton + Associates				JEL		15:05					
3 Relinquished by (signature)				4 Received by Laboratory (signature)		Date					
5/5/16				5/5/16		5-5-16					
Company				Company		Time					
JEL				Jones Environmental Inc		17:30					

Chain-of-Custody Record

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**JONES ENVIRONMENTAL
LABORATORY RESULTS**

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/13/2016
JEL Ref. No.: ST-9297
Client Ref. No: 11235.002

Attn: Robin Ferber

Date Sampled: 5/5-6/2016

Project: SJ4 Burbank
Project Address: 777 N. Front St.
Burbank, CA

Date Received: 5/6/2016

Date Analyzed: 5/7-13/2016

Physical State: Soil

ANALYSES REQUESTED

1. EPA 8015M – Semivolatile Hydrocarbons as Diesel & Oil
2. EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics
3. EPA 6010B by 3050B and EPA 7471A – CAM 17 Metals

Approval:

Steve Jones, Ph.D.
Laboratory Manager



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/13/2016
JEL Ref. No.: ST-9297
Client Ref No.: 11235.002

Attn: Robin Ferber

Date Sampled: 5/5-6/2016

Project: SJ4 Burbank
Project Address: 777 N. Front Street
Burbank, CA

Date Received: 5/6/2016

Date Analyzed: 5/9-13/2016

Physical State: Soil

EPA 8015M – Semivolatile Hydrocarbons as Diesel & Oil

<u>Sample ID:</u>	A11-1'	A11-4.5'	A11-8.5'	A11-8.5'-D	A11-14.5'		
<u>JEL ID:</u>	ST-9297-01	ST-9297-02	ST-9297-03	ST-9297-04	ST-9297-05	<u>Practical Quantitation Limit</u>	<u>Units</u>
Carbon Chain Range							
Diesel Range Organics (C10-C28)	ND	ND	ND	ND	ND	10.0	mg/kg
Oil Range Organics (C29-C32)	ND	ND	ND	ND	ND	10.0	mg/kg
<u>Dilution Factor</u>	1	1	1	1	1		
<u>Surrogate Recovery:</u>						<u>QC Limits</u>	
Hexacosane	105%	97%	82%	95%	103%	30 - 120	
<u>Batch ID:</u>	8015_ 160509_02	8015_ 160510_03	8015_ 160510_03	8015_ 160509_02	8015_ 160509_02		

ND = Not Detected



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11007 FOREST PLACE
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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/13/2016
JEL Ref. No.: ST-9297
Client Ref No.: 11235.002

Attn: Robin Ferber

Date Sampled: 5/5-6/2016

Project: SJ4 Burbank
Project Address: 777 N. Front Street
Burbank, CA

Date Received: 5/6/2016

Date Analyzed: 5/9-13/2016

Physical State: Soil

EPA 8015M – Semivolatile Hydrocarbons as Diesel & Oil

<u>Sample ID:</u>	A11-20.5'	A12-1'	A12-5'	A12-11'	A12-17'		
<u>JEL ID:</u>	ST-9297-06	ST-9297-07	ST-9297-08	ST-9297-09	ST-9297-10	<u>Practical Quantitation Limit</u>	<u>Units</u>
Carbon Chain Range							
Diesel Range Organics (C10-C28)	ND	ND	ND	ND	ND	10.0	mg/kg
Oil Range Organics (C29-C32)	ND	ND	ND	ND	ND	10.0	mg/kg
<u>Dilution Factor</u>	1	1	1	1	1		
<u>Surrogate Recovery:</u>						<u>QC Limits</u>	
Hexacosane	79%	96%	94%	94%	101%	30 - 120	
<u>Batch ID:</u>	8015_ 160509_02	8015_ 160509_02	8015_ 160510_03	8015_ 160509_02	8015_ 160509_02		

ND = Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Leighton & Associates, Inc.	Report date:	5/13/2016
Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	ST-9297
		Client Ref No.:	11235.002
Attn:	Robin Ferber	Date Sampled:	5/5-6/2016
		Date Received:	5/6/2016
Project:	SJ4 Burbank	Date Analyzed:	5/9-13/2016
Project Address:	777 N. Front Street Burbank, CA	Physical State:	Soil

EPA 8015M – Semivolatile Hydrocarbons as Diesel & Oil

<u>Sample ID:</u>	A13-1'	A13-5'	A13-11'	A13-17'	B11-1'		
<u>JEL ID:</u>	ST-9297-11	ST-9297-12	ST-9297-13	ST-9297-14	ST-9297-15	<u>Practical Quantitation Limit</u>	<u>Units</u>
Carbon Chain Range							
Diesel Range Organics (C10-C28)	ND	ND	ND	ND	ND	10.0	mg/kg
Oil Range Organics (C29-C32)	ND	ND	ND	ND	ND	10.0	mg/kg
 <u>Dilution Factor</u>	1	1	1	1	1		
 <u>Surrogate Recovery:</u>						<u>QC Limits</u>	
Hexacosane	91%	97%	79%	99%	85%	30 - 120	
 <u>Batch ID:</u>	8015_ 160509_02	8015_ 160509_02	8015_ 160509_02	8015_ 160509_02	8015_ 160510_03		

ND = Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Leighton & Associates, Inc.	Report date:	5/13/2016
Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	ST-9297
		Client Ref No.:	11235.002
Attn:	Robin Ferber	Date Sampled:	5/5-6/2016
Project:	SJ4 Burbank	Date Received:	5/6/2016
Project Address:	777 N. Front Street Burbank, CA	Date Analyzed:	5/9-13/2016
		Physical State:	Soil

EPA 8015M – Semivolatile Hydrocarbons as Diesel & Oil

<u>Sample ID:</u>	B11-4.5'	B11-8.5'	B11-14.5'	B11-20.5'	B12-1'		
<u>JEL ID:</u>	ST-9297-16	ST-9297-17	ST-9297-18	ST-9297-19	ST-9297-20	<u>Practical Quantitation Limit</u>	<u>Units</u>
Carbon Chain Range							
Diesel Range Organics (C10-C28)	ND	ND	ND	ND	ND	10.0	mg/kg
Oil Range Organics (C29-C32)	ND	ND	ND	ND	ND	10.0	mg/kg
<u>Dilution Factor</u>	1	1	1	1	1		
<u>Surrogate Recovery:</u>						<u>QC Limits</u>	
Hexacosane	48%	70%	99%	70%	96%	30 - 120	
<u>Batch ID:</u>	8015_ 160510_03	8015_ 160510_03	8015_ 160509_02	8015_ 160510_03	8015_ 160509_02		

ND = Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Leighton & Associates, Inc.	Report date:	5/13/2016
Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	ST-9297
		Client Ref No.:	11235.002
Attn:	Robin Ferber	Date Sampled:	5/5-6/2016
Project:	SJ4 Burbank	Date Received:	5/6/2016
Project Address:	777 N. Front Street Burbank, CA	Date Analyzed:	5/9-13/2016
		Physical State:	Soil

EPA 8015M – Semivolatile Hydrocarbons as Diesel & Oil

<u>Sample ID:</u>	B12-5'	B12-5'D	B12-11'	B12-17'	B13-1'		
<u>JEL ID:</u>	ST-9297-21	ST-9297-22	ST-9297-23	ST-9297-24	ST-9297-25	<u>Practical Quantitation Limit</u>	<u>Units</u>
Carbon Chain Range							
Diesel Range Organics (C10-C28)	ND	ND	ND	ND	ND	10.0	mg/kg
Oil Range Organics (C29-C32)	ND	ND	ND	ND	ND	10.0	mg/kg
<u>Dilution Factor</u>	1	1	1	1	1		
<u>Surrogate Recovery:</u>						<u>QC Limits</u>	
Hexacosane	81%	47%	51%	64%	48%	30 - 120	
<u>Batch ID:</u>	8015_ 160510_03	8015_ 160510_01	8015_ 160510_01	8015_ 160510_01	8015_ 160510_01		

ND = Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Leighton & Associates, Inc.	Report date:	5/13/2016
Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	ST-9297
		Client Ref No.:	11235.002
Attn:	Robin Ferber	Date Sampled:	5/5-6/2016
Project:	SJ4 Burbank	Date Received:	5/6/2016
Project Address:	777 N. Front Street Burbank, CA	Date Analyzed:	5/9-13/2016
		Physical State:	Soil

EPA 8015M – Semivolatile Hydrocarbons as Diesel & Oil

<u>Sample ID:</u>	B13-5'	B13-11'	B13-17'	B14-1'	B14-5'		
<u>JEL ID:</u>	ST-9297-26	ST-9297-27	ST-9297-28	ST-9297-29	ST-9297-30	<u>Practical Quantitation Limit</u>	<u>Units</u>
Carbon Chain Range							
Diesel Range Organics (C10-C28)	ND	ND	ND	ND	ND	10.0	mg/kg
Oil Range Organics (C29-C32)	ND	ND	ND	ND	ND	10.0	mg/kg
<u>Dilution Factor</u>	1	1	1	1	1		
<u>Surrogate Recovery:</u>						<u>QC Limits</u>	
Hexacosane	57%	97%	94%	65%	50%	30 - 120	
<u>Batch ID:</u>	8015_ 160510_01	8015_ 160510_03	8015_ 160511_01	8015_ 160510_01	8015_ 160510_01		

ND = Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Leighton & Associates, Inc.	Report date:	5/13/2016
Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	ST-9297
		Client Ref No.:	11235.002
Attn:	Robin Ferber	Date Sampled:	5/5-6/2016
Project:	SJ4 Burbank	Date Received:	5/6/2016
Project Address:	777 N. Front Street Burbank, CA	Date Analyzed:	5/9-13/2016
		Physical State:	Soil

EPA 8015M – Semivolatile Hydrocarbons as Diesel & Oil

<u>Sample ID:</u>	B14-11'	B14-17'	B15-1'	B15-4'	B15-5'		
<u>JEL ID:</u>	ST-9297-31	ST-9297-32	ST-9297-33	ST-9297-34	ST-9297-35	<u>Practical Quantitation Limit</u>	<u>Units</u>
Carbon Chain Range							
Diesel Range Organics (C10-C28)	ND	ND	ND	ND	ND	10.0	mg/kg
Oil Range Organics (C29-C32)	ND	ND	ND	ND	ND	10.0	mg/kg
<u>Dilution Factor</u>	1	1	1	1	1		
<u>Surrogate Recovery:</u>						<u>QC Limits</u>	
Hexacosane	84%	96%	63%	83%	40%	30 - 120	
<u>Batch ID:</u>	8015_ 160511_01	8015_ 160511_01	8015_ 160510_01	8015_ 160511_01	8015_ 160510_01		

ND = Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Leighton & Associates, Inc.	Report date:	5/13/2016
Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	ST-9297
		Client Ref No.:	11235.002
Attn:	Robin Ferber	Date Sampled:	5/5-6/2016
Project:	SJ4 Burbank	Date Received:	5/6/2016
Project Address:	777 N. Front Street Burbank, CA	Date Analyzed:	5/9-13/2016
		Physical State:	Soil

EPA 8015M – Semivolatile Hydrocarbons as Diesel & Oil

<u>Sample ID:</u>	LB1-1'	LB1-4.5'	LB1-8.5'	LB1-14.5'	LB1-20.5'		
<u>JEL ID:</u>	ST-9297-36	ST-9297-37	ST-9297-38	ST-9297-39	ST-9297-40	<u>Practical Quantitation Limit</u>	<u>Units</u>
Carbon Chain Range							
Diesel Range Organics (C10-C28)	ND	ND	ND	ND	ND	10.0	mg/kg
Oil Range Organics (C29-C32)	ND	ND	ND	ND	ND	10.0	mg/kg
<u>Dilution Factor</u>	1	1	1	1	1		
<u>Surrogate Recovery:</u>						<u>QC Limits</u>	
Hexacosane	72%	48%	73%	68%	63%	30 - 120	
<u>Batch ID:</u>	8015_ 160510_02	8015_ 160511_01	8015_ 160511_01	8015_ 160511_01	8015_ 160510_01		

ND = Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Leighton & Associates, Inc.	Report date:	5/13/2016
Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	ST-9297
		Client Ref No.:	11235.002
Attn:	Robin Ferber	Date Sampled:	5/5-6/2016
Project:	SJ4 Burbank	Date Received:	5/6/2016
Project Address:	777 N. Front Street Burbank, CA	Date Analyzed:	5/9-13/2016
		Physical State:	Soil

EPA 8015M – Semivolatile Hydrocarbons as Diesel & Oil

<u>Sample ID:</u>	LB2-1'	LB2-4.5'	LB2-8.5'	LB2-14.5'	LB2-20.5'		
<u>JEL ID:</u>	ST-9297-41	ST-9297-42	ST-9297-43	ST-9297-44	ST-9297-45	<u>Practical Quantitation Limit</u>	<u>Units</u>
Carbon Chain Range							
Diesel Range Organics (C10-C28)	66.6	ND	ND	ND	ND	10.0	mg/kg
Oil Range Organics (C29-C32)	128	ND	ND	ND	ND	10.0	mg/kg
<u>Dilution Factor</u>	1	1	1	1	1		
<u>Surrogate Recovery:</u>						<u>QC Limits</u>	
Hexacosane	46%	60%	91%	79%	92%	30 - 120	
<u>Batch ID:</u>	8015_ 160510_02	8015_ 160510_02	8015_ 160510_02	8015_ 160511_01	8015_ 160511_01		

ND = Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Leighton & Associates, Inc.	Report date:	5/13/2016
Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	ST-9297
		Client Ref No.:	11235.002
Attn:	Robin Ferber	Date Sampled:	5/5-6/2016
Project:	SJ4 Burbank	Date Received:	5/6/2016
Project Address:	777 N. Front Street Burbank, CA	Date Analyzed:	5/9-13/2016
		Physical State:	Soil

EPA 8015M – Semivolatile Hydrocarbons as Diesel & Oil

<u>Sample ID:</u>	LB3-1'	LB3-1'-D	LB3-4.5'	LB3-8.5'	LB3-14.5'		
<u>JEL ID:</u>	ST-9297-46	ST-9297-47	ST-9297-48	ST-9297-49	ST-9297-50	<u>Practical Quantitation Limit</u>	<u>Units</u>
Carbon Chain Range							
Diesel Range Organics (C10-C28)	22.5	ND	ND	ND	ND	10.0	mg/kg
Oil Range Organics (C29-C32)	42.1	ND	ND	ND	ND	10.0	mg/kg
<u>Dilution Factor</u>	1	1	1	1	1		
<u>Surrogate Recovery:</u>						<u>QC Limits</u>	
Hexacosane	60%	84%	82%	70%	57%	30 - 120	
<u>Batch ID:</u>	8015_ 160510_02	8015_ 160511_01	8015_ 160511_01	8015_ 160510_02	8015_ 160510_02		

ND = Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Leighton & Associates, Inc.	Report date:	5/13/2016
Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	ST-9297
		Client Ref No.:	11235.002
Attn:	Robin Ferber	Date Sampled:	5/5-6/2016
Project:	SJ4 Burbank	Date Received:	5/6/2016
Project Address:	777 N. Front Street Burbank, CA	Date Analyzed:	5/9-13/2016
		Physical State:	Soil

EPA 8015M – Semivolatile Hydrocarbons as Diesel & Oil

<u>Sample ID:</u>	LB3-20.5'	LB7-1'	LB7-5'	LB7-11'	LB7-17'		
<u>JEL ID:</u>	ST-9297-51	ST-9297-52	ST-9297-53	ST-9297-54	ST-9297-55	<u>Practical Quantitation Limit</u>	<u>Units</u>
Carbon Chain Range							
Diesel Range Organics (C10-C28)	ND	ND	ND	ND	ND	10.0	mg/kg
Oil Range Organics (C29-C32)	ND	ND	ND	ND	ND	10.0	mg/kg
<u>Dilution Factor</u>	1	1	1	1	1		
<u>Surrogate Recovery:</u>						<u>QC Limits</u>	
Hexacosane	111%	94%	83%	59%	98%	30 - 120	
<u>Batch ID:</u>	8015_ 160511_01	8015_ 160511_01	8015_ 160511_01	8015_ 160510_02	8015_ 160511_01		

ND = Not Detected



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Client Address: 25570 Rye Canyon Road, Suite G
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Report date: 5/13/2016
JEL Ref. No.: ST-9297
Client Ref No.: 11235.002

Attn: Robin Ferber

Date Sampled: 5/5-6/2016

Project: SJ4 Burbank
Project Address: 777 N. Front Street
Burbank, CA

Date Received: 5/6/2016

Date Analyzed: 5/9-13/2016

Physical State: Soil

EPA 8015M – Semivolatile Hydrocarbons as Diesel & Oil

<u>Sample ID:</u>	LB8-1'	LB8-5'	LB8-11'	LB8-17'		
<u>JEL ID:</u>	ST-9297-56	ST-9297-57	ST-9297-58	ST-9297-59	<u>Practical Quantitation Limit</u>	<u>Units</u>
Carbon Chain Range						
Diesel Range Organics (C10-C28)	ND	ND	ND	ND	10.0	mg/kg
Oil Range Organics (C29-C32)	ND	ND	ND	ND	10.0	mg/kg
<u>Dilution Factor</u>	1	1	1	1		
<u>Surrogate Recovery:</u>					<u>QC Limits</u>	
Hexacosane	48%	40%	48%	89%	30 - 120	
<u>Batch ID:</u>	8015_ 160510_02	8015_ 160510_02	8015_ 160510_02	8015_ 160510_02		

ND = Not Detected



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11007 FOREST PLACE
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JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/13/2016
JEL Ref. No.: ST-9297
Client Ref No.: 11235.002

Attn: Robin Ferber

Date Sampled: 5/5-6/2016

Project: SJ4 Burbank
Project Address: 777 N. Front Street
Burbank, CA

Date Received: 5/6/2016

Date Analyzed: 5/9-13/2016

Physical State: Soil

EPA 8015M – Semivolatile Hydrocarbons as Diesel & Oil

<u>Sample ID:</u>	METHOD BLANK	METHOD BLANK	METHOD BLANK	METHOD BLANK	METHOD BLANK		
<u>JEL ID:</u>	MB- 160509_02	MB- 160510_01	MB- 160510_02	MB- 160510_03	MB- 160511_01	<u>Practical Quantitation Limit</u>	<u>Units</u>
Carbon Chain Range							
Diesel Range Organics (C10-C28)	ND	ND	ND	ND	ND	10.0	mg/kg
Oil Range Organics (C29-C32)	ND	ND	ND	ND	ND	10.0	mg/kg
 <u>Dilution Factor</u>	 1	 1	 1	 1	 1		
 <u>Surrogate Recovery:</u>						<u>QC Limits</u>	
Hexacosane	114%	84%	96%	87%	91%	30 - 120	
 <u>Batch ID:</u>	 8015_ 160509_02	 8015_ 160510_01	 8015_ 160510_02	 8015_ 160510_03	 8015_ 160511_01		

ND = Not Detected



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JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

Client:	Leighton & Associates, Inc.	Report date:	5/13/2016
Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	ST-9297
		Client Ref No.:	11235.002
Attn:	Robin Ferber	Date Sampled:	5/5-6/2016
		Date Received:	5/6/2016
Project:	SJ4 Burbank	Date Analyzed:	5/9-13/2016
Project Address:	777 N. Front Street Burbank, CA	Physical State:	Soil

BATCH: 8015_160509_02 **Prepared:** 5/9/2016 **Analyzed:** 5/12/2016

EPA 8015M – Semivolatile Hydrocarbons as Diesel & Oil

	Result	Spike Level	Source Result	% Recovery	% RPD	% Recovery Limits	Units
LCS:	LCS-160509_02		SAMPLE SPIKED:		CLEAN SOIL		
Analyte:							
Diesel	613	600	ND	102%		60 - 140	mg/kg
Surrogate Recovery:							
Hexacosane				129%		30 - 120	
LCSD:	LCSD-160509_02		SAMPLE SPIKED:		CLEAN SOIL		
Analyte:							
Diesel	634	600	ND	106%	3.4%	60 - 140	mg/kg
Surrogate Recoveries:							
Hexacosane				120%		30 - 120	

LCS = Laboratory Control Sample
RPD = Relative Percent Difference



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JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

Client:	Leighton & Associates, Inc.	Report date:	5/13/2016
Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	ST-9297
		Client Ref No.:	11235.002
Attn:	Robin Ferber	Date Sampled:	5/5-6/2016
		Date Received:	5/6/2016
Project:	SJ4 Burbank	Date Analyzed:	5/9-13/2016
Project Address:	777 N. Front Street Burbank, CA	Physical State:	Soil

BATCH: 8015_160510_01 **Prepared:** 5/10/2016 **Analyzed:** 5/10/2016

EPA 8015M – Semivolatile Hydrocarbons as Diesel & Oil

	Result	Spike Level	Source Result	% Recovery	% RPD	% Recovery Limits	Units
LCS:	LCS-160510_01	SAMPLE SPIKED:		CLEAN SOIL			
Analyte:							
Diesel	399	600	ND	67%		60 - 140	mg/kg
Surrogate Recovery:							
Hexacosane				70%		30 - 120	
LCSD:	LCSD-160510_01	SAMPLE SPIKED:		CLEAN SOIL			
Analyte:							
Diesel	437	600	ND	73%	9.1%	60 - 140	mg/kg
Surrogate Recoveries:							
Hexacosane				62%		30 - 120	

LCS = Laboratory Control Sample
RPD = Relative Percent Difference



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JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

Client:	Leighton & Associates, Inc.	Report date:	5/13/2016
Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	ST-9297
		Client Ref No.:	11235.002
Attn:	Robin Ferber	Date Sampled:	5/5-6/2016
		Date Received:	5/6/2016
Project:	SJ4 Burbank	Date Analyzed:	5/9-13/2016
Project Address:	777 N. Front Street Burbank, CA	Physical State:	Soil

BATCH: 8015_160510_02 **Prepared:** 5/10/2016 **Analyzed:** 5/11/2016

EPA 8015M – Semivolatile Hydrocarbons as Diesel & Oil

	Result	Spike Level	Source Result	% Recovery	% RPD	% Recovery Limits	Units
LCS:	LCS-160510_02	SAMPLE SPIKED:		CLEAN SOIL			
Analyte:							
Diesel	382	600	ND	64%		60 - 140	mg/kg
Surrogate Recovery:							
Hexacosane				71%		30 - 120	
LCSD:	LCSD-160510_02	SAMPLE SPIKED:		CLEAN SOIL			
Analyte:							
Diesel	421	600	ND	70%	9.7%	60 - 140	mg/kg
Surrogate Recoveries:							
Hexacosane				87%		30 - 120	

LCS = Laboratory Control Sample
RPD = Relative Percent Difference



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JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

Client:	Leighton & Associates, Inc.	Report date:	5/13/2016
Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	ST-9297
		Client Ref No.:	11235.002
Attn:	Robin Ferber	Date Sampled:	5/5-6/2016
		Date Received:	5/6/2016
Project:	SJ4 Burbank	Date Analyzed:	5/9-13/2016
Project Address:	777 N. Front Street Burbank, CA	Physical State:	Soil

BATCH: 8015_160510_03 **Prepared:** 5/10/2016 **Analyzed:** 5/11/2016

EPA 8015M – Semivolatile Hydrocarbons as Diesel & Oil

	Result	Spike Level	Source Result	% Recovery	% RPD	% Recovery Limits	Units
LCS:	LCS-160510_03		SAMPLE SPIKED:		CLEAN SOIL		
Analyte:							
Diesel	541	600	ND	90%		60 - 140	mg/kg
Surrogate Recovery:							
Hexacosane				112%		30 - 120	
LCSD:	LCSD-160510_03		SAMPLE SPIKED:		CLEAN SOIL		
Analyte:							
Diesel	503	600	ND	84%	7.3%	60 - 140	mg/kg
Surrogate Recoveries:							
Hexacosane				103%		30 - 120	

LCS = Laboratory Control Sample
RPD = Relative Percent Difference



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JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

Client:	Leighton & Associates, Inc.	Report date:	5/13/2016
Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	ST-9297
		Client Ref No.:	11235.002
Attn:	Robin Ferber	Date Sampled:	5/5-6/2016
		Date Received:	5/6/2016
Project:	SJ4 Burbank	Date Analyzed:	5/9-13/2016
Project Address:	777 N. Front Street Burbank, CA	Physical State:	Soil

BATCH: 8015_160511_01 **Prepared:** 5/11/2016 **Analyzed:** 5/11/2016

EPA 8015M – Semivolatile Hydrocarbons as Diesel & Oil

	Result	Spike Level	Source Result	% Recovery	% RPD	% Recovery Limits	Units
LCS:	LCS-160511_01	SAMPLE SPIKED:		CLEAN SOIL			
Analyte:							
Diesel	547	600	ND	91%		60 - 140	mg/kg
Surrogate Recovery:							
Hexacosane				103%		30 - 120	
LCSD:	LCSD-160511_01	SAMPLE SPIKED:		CLEAN SOIL			
Analyte:							
Diesel	595	600	ND	99%	8.4%	60 - 140	mg/kg
Surrogate Recoveries:							
Hexacosane				116%		30 - 120	

LCS = Laboratory Control Sample
 RPD = Relative Percent Difference



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/13/2016
JEL Ref. No.: ST-9297
Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front Street
Burbank, CA

Date Sampled: 5/5-6/2016
Date Received: 5/6/2016
Date Analyzed: 5/7-9/2016
Physical State: Soil

EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

<u>Sample ID:</u>	A11-1'	A11-4.5'	A11-8.5'	A11-8.5'-D	A11-14.5'		
<u>JEL ID:</u>	ST-9297-01	ST-9297-02	ST-9297-03	ST-9297-04	ST-9297-05	<u>Practical Quantitation</u>	<u>Units</u>
<u>Analytes:</u>						<u>Limit</u>	
Benzene	ND	ND	ND	ND	ND	1.0	µg/kg
Bromobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Bromodichloromethane	ND	ND	ND	ND	ND	1.0	µg/kg
Bromoform	ND	ND	ND	ND	ND	1.0	µg/kg
n-Butylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
sec-Butylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
tert-Butylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Carbon tetrachloride	ND	ND	ND	ND	ND	1.0	µg/kg
Chlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Chloroform	ND	ND	ND	ND	ND	1.0	µg/kg
2-Chlorotoluene	ND	ND	ND	ND	ND	1.0	µg/kg
4-Chlorotoluene	ND	ND	ND	ND	ND	1.0	µg/kg
Dibromochloromethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	ND	1.0	µg/kg
Dibromomethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2- Dichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Dichlorodifluoromethane	ND	ND	ND	ND	ND	5.0	µg/kg
1,1-Dichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1-Dichloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,3-Dichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
2,2-Dichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1-Dichloropropene	ND	ND	ND	ND	ND	1.0	µg/kg

JONES ENVIRONMENTAL LABORATORY RESULTS

EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

<u>Sample ID:</u>	A11-1'	A11-4.5'	A11-8.5'	A11-8.5'-D	A11-14.5'		
<u>JEL ID:</u>	ST-9297-01	ST-9297-02	ST-9297-03	ST-9297-04	ST-9297-05	<u>Practical Quantitation</u>	<u>Units</u>
<u>Analytes:</u>						<u>Limit</u>	
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	1.0	µg/kg
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	1.0	µg/kg
Ethylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Freon 113	ND	ND	ND	ND	ND	5.0	µg/kg
Hexachlorobutadiene	ND	ND	ND	ND	ND	1.0	µg/kg
Isopropylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
4-Isopropyltoluene	ND	ND	ND	ND	ND	1.0	µg/kg
Methylene chloride	ND	ND	ND	ND	ND	1.0	µg/kg
Naphthalene	ND	ND	ND	ND	ND	1.0	µg/kg
n-Propylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Styrene	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
Tetrachloroethylene	ND	ND	ND	ND	ND	1.0	µg/kg
Toluene	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
Trichloroethylene	ND	ND	ND	ND	ND	1.0	µg/kg
Trichlorofluoromethane	ND	ND	ND	ND	ND	5.0	µg/kg
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Vinyl chloride	ND	ND	ND	ND	ND	1.0	µg/kg
Xylenes	ND	ND	ND	ND	ND	1.0	µg/kg
MTBE	ND	ND	ND	ND	ND	5.0	µg/kg
Ethyl-tert-butylether	ND	ND	ND	ND	ND	5.0	µg/kg
Di-isopropylether	ND	ND	ND	ND	ND	5.0	µg/kg
tert-amylmethylether	ND	ND	ND	ND	ND	5.0	µg/kg
tert-Butylalcohol	ND	ND	ND	ND	ND	50.0	µg/kg
Gasoline Range Organics	ND	ND	ND	ND	ND	0.20	mg/kg
<u>Dilution Factor</u>	1	1	1	1	1		
<u>Surrogate Recoveries:</u>						<u>QC Limits</u>	
Dibromofluoromethane	107%	111%	111%	106%	109%	60 - 140	
Toluene-d ₈	98%	99%	100%	97%	99%	60 - 140	
4-Bromofluorobenzene	96%	105%	105%	104%	107%	60 - 140	
	VOC3-050716- CHECKS	VOC3-050716- CHECKS	VOC3-050716- CHECKS	VOC3-050716- CHECKS	VOC3-050716- CHECKS		

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/12/2016
JEL Ref. No.: ST-9297
Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front Street
Burbank, CA

Date Sampled: 5/5-6/2016
Date Received: 5/6/2016
Date Analyzed: 5/7-9/2016
Physical State: Soil

EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

<u>Sample ID:</u>	A11-20.5'	A12-1'	A12-5'	A12-11'	A12-17'		
<u>JEL ID:</u>	ST-9297-06	ST-9297-07	ST-9297-08	ST-9297-09	ST-9297-10	<u>Practical Quantitation</u>	<u>Units</u>
<u>Analytes:</u>						<u>Limit</u>	
Benzene	ND	ND	ND	ND	ND	1.0	µg/kg
Bromobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Bromodichloromethane	ND	ND	ND	ND	ND	1.0	µg/kg
Bromoform	ND	ND	ND	ND	ND	1.0	µg/kg
n-Butylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
sec-Butylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
tert-Butylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Carbon tetrachloride	ND	ND	ND	ND	ND	1.0	µg/kg
Chlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Chloroform	ND	ND	ND	ND	ND	1.0	µg/kg
2-Chlorotoluene	ND	ND	ND	ND	ND	1.0	µg/kg
4-Chlorotoluene	ND	ND	ND	ND	ND	1.0	µg/kg
Dibromochloromethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	ND	1.0	µg/kg
Dibromomethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2- Dichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Dichlorodifluoromethane	ND	ND	ND	ND	ND	5.0	µg/kg
1,1-Dichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1-Dichloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,3-Dichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
2,2-Dichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1-Dichloropropene	ND	ND	ND	ND	ND	1.0	µg/kg

JONES ENVIRONMENTAL LABORATORY RESULTS

EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

<u>Sample ID:</u>	A11-20.5'	A12-1'	A12-5'	A12-11'	A12-17'		
<u>JEL ID:</u>	ST-9297-06	ST-9297-07	ST-9297-08	ST-9297-09	ST-9297-10	<u>Practical Quantitation</u>	<u>Units</u>
<u>Analytes:</u>						<u>Limit</u>	
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	1.0	µg/kg
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	1.0	µg/kg
Ethylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Freon 113	ND	ND	ND	ND	ND	5.0	µg/kg
Hexachlorobutadiene	ND	ND	ND	ND	ND	1.0	µg/kg
Isopropylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
4-Isopropyltoluene	ND	ND	ND	ND	ND	1.0	µg/kg
Methylene chloride	ND	ND	ND	ND	ND	1.0	µg/kg
Naphthalene	ND	ND	ND	ND	ND	1.0	µg/kg
n-Propylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Styrene	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
Tetrachloroethylene	ND	ND	ND	ND	ND	1.0	µg/kg
Toluene	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
Trichloroethylene	ND	ND	ND	ND	ND	1.0	µg/kg
Trichlorofluoromethane	ND	ND	ND	ND	ND	5.0	µg/kg
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Vinyl chloride	ND	ND	ND	ND	ND	1.0	µg/kg
Xylenes	ND	ND	ND	ND	ND	1.0	µg/kg
MTBE	ND	ND	ND	ND	ND	5.0	µg/kg
Ethyl-tert-butylether	ND	ND	ND	ND	ND	5.0	µg/kg
Di-isopropylether	ND	ND	ND	ND	ND	5.0	µg/kg
tert-amylmethylether	ND	ND	ND	ND	ND	5.0	µg/kg
tert-Butylalcohol	ND	ND	ND	ND	ND	50.0	µg/kg
Gasoline Range Organics	ND	ND	ND	ND	ND	0.20	mg/kg
<u>Dilution Factor</u>	1	1	1	1	1		
<u>Surrogate Recoveries:</u>						<u>QC Limits</u>	
Dibromofluoromethane	109%	110%	110%	104%	102%	60 - 140	
Toluene-d ₈	101%	99%	99%	97%	96%	60 - 140	
4-Bromofluorobenzene	104%	105%	106%	65%	74%	60 - 140	
	VOC3-050716- CHECKS	VOC3-050916- CHECKS	VOC3-050916- CHECKS	VOC3-050716- CHECKS	VOC3-050716- CHECKS		

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/12/2016
JEL Ref. No.: ST-9297
Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front Street
Burbank, CA

Date Sampled: 5/5-6/2016
Date Received: 5/6/2016
Date Analyzed: 5/7-9/2016
Physical State: Soil

EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

<u>Sample ID:</u>	A13-1'	A13-5'	A13-11'	A13-17'	B11-1'		
<u>JEL ID:</u>	ST-9297-11	ST-9297-12	ST-9297-13	ST-9297-14	ST-9297-15	<u>Practical Quantitation</u>	<u>Units</u>
<u>Analytes:</u>						<u>Limit</u>	
Benzene	ND	ND	ND	ND	ND	1.0	µg/kg
Bromobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Bromodichloromethane	ND	ND	ND	ND	ND	1.0	µg/kg
Bromoform	ND	ND	ND	ND	ND	1.0	µg/kg
n-Butylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
sec-Butylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
tert-Butylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Carbon tetrachloride	ND	ND	ND	ND	ND	1.0	µg/kg
Chlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Chloroform	ND	ND	ND	ND	ND	1.0	µg/kg
2-Chlorotoluene	ND	ND	ND	ND	ND	1.0	µg/kg
4-Chlorotoluene	ND	ND	ND	ND	ND	1.0	µg/kg
Dibromochloromethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	ND	1.0	µg/kg
Dibromomethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2- Dichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Dichlorodifluoromethane	ND	ND	ND	ND	ND	5.0	µg/kg
1,1-Dichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1-Dichloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,3-Dichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
2,2-Dichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1-Dichloropropene	ND	ND	ND	ND	ND	1.0	µg/kg

JONES ENVIRONMENTAL LABORATORY RESULTS

EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

Sample ID:	A13-1'	A13-5'	A13-11'	A13-17'	B11-1'		
JEL ID:	ST-9297-11	ST-9297-12	ST-9297-13	ST-9297-14	ST-9297-15	Practical Quantitation	Units
Analytes:						Limit	
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	1.0	µg/kg
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	1.0	µg/kg
Ethylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Freon 113	ND	ND	ND	ND	ND	5.0	µg/kg
Hexachlorobutadiene	ND	ND	ND	ND	ND	1.0	µg/kg
Isopropylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
4-Isopropyltoluene	ND	ND	ND	ND	ND	1.0	µg/kg
Methylene chloride	ND	ND	ND	ND	ND	1.0	µg/kg
Naphthalene	ND	ND	ND	ND	ND	1.0	µg/kg
n-Propylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Styrene	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
Tetrachloroethylene	ND	ND	ND	ND	ND	1.0	µg/kg
Toluene	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
Trichloroethylene	ND	ND	ND	ND	ND	1.0	µg/kg
Trichlorofluoromethane	ND	ND	ND	ND	ND	5.0	µg/kg
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Vinyl chloride	ND	ND	ND	ND	ND	1.0	µg/kg
Xylenes	ND	ND	ND	ND	ND	1.0	µg/kg
MTBE	ND	ND	ND	ND	ND	5.0	µg/kg
Ethyl-tert-butylether	ND	ND	ND	ND	ND	5.0	µg/kg
Di-isopropylether	ND	ND	ND	ND	ND	5.0	µg/kg
tert-amylmethylether	ND	ND	ND	ND	ND	5.0	µg/kg
tert-Butylalcohol	ND	ND	ND	ND	ND	50.0	µg/kg
Gasoline Range Organics	ND	ND	ND	ND	ND	0.20	mg/kg
Dilution Factor	1	1	1	1	1		
Surrogate Recoveries:						QC Limits	
Dibromofluoromethane	104%	110%	107%	105%	108%	60 - 140	
Toluene-d ₈	97%	101%	98%	97%	97%	60 - 140	
4-Bromofluorobenzene	97%	102%	97%	100%	102%	60 - 140	
	VOC3-050716- CHECKS	VOC3-050716- CHECKS	VOC3-050716- CHECKS	VOC3-050716- CHECKS	VOC3-050716- CHECKS		

ND= Not Detected



714-449-9937
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805-399-0060

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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/12/2016
JEL Ref. No.: ST-9297
Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front Street
Burbank, CA

Date Sampled: 5/5-6/2016
Date Received: 5/6/2016
Date Analyzed: 5/7-9/2016
Physical State: Soil

EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

<u>Sample ID:</u>	B11-4.5'	B11-8.5'	B11-14.5'	B11-20.5'	B12-1'		
<u>JEL ID:</u>	ST-9297-16	ST-9297-17	ST-9297-18	ST-9297-19	ST-9297-20	<u>Practical Quantitation</u>	<u>Units</u>
<u>Analytes:</u>						<u>Limit</u>	
Benzene	ND	ND	ND	ND	ND	1.0	µg/kg
Bromobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Bromodichloromethane	ND	ND	ND	ND	ND	1.0	µg/kg
Bromoform	ND	ND	ND	ND	ND	1.0	µg/kg
n-Butylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
sec-Butylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
tert-Butylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Carbon tetrachloride	ND	ND	ND	ND	ND	1.0	µg/kg
Chlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Chloroform	ND	ND	ND	ND	ND	1.0	µg/kg
2-Chlorotoluene	ND	ND	ND	ND	ND	1.0	µg/kg
4-Chlorotoluene	ND	ND	ND	ND	ND	1.0	µg/kg
Dibromochloromethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	ND	1.0	µg/kg
Dibromomethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2- Dichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Dichlorodifluoromethane	ND	ND	ND	ND	ND	5.0	µg/kg
1,1-Dichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1-Dichloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,3-Dichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
2,2-Dichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1-Dichloropropene	ND	ND	ND	ND	ND	1.0	µg/kg

JONES ENVIRONMENTAL LABORATORY RESULTS

EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

<u>Sample ID:</u>	B11-4.5'	B11-8.5'	B11-14.5'	B11-20.5'	B12-1'		
<u>JEL ID:</u>	ST-9297-16	ST-9297-17	ST-9297-18	ST-9297-19	ST-9297-20	<u>Practical Quantitation</u>	<u>Units</u>
<u>Analytes:</u>						<u>Limit</u>	
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	1.0	µg/kg
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	1.0	µg/kg
Ethylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Freon 113	ND	ND	ND	ND	ND	5.0	µg/kg
Hexachlorobutadiene	ND	ND	ND	ND	ND	1.0	µg/kg
Isopropylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
4-Isopropyltoluene	ND	ND	ND	ND	ND	1.0	µg/kg
Methylene chloride	ND	ND	ND	ND	ND	1.0	µg/kg
Naphthalene	ND	ND	ND	ND	ND	1.0	µg/kg
n-Propylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Styrene	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
Tetrachloroethylene	7.3	2.4	ND	ND	22.8	1.0	µg/kg
Toluene	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
Trichloroethylene	ND	ND	ND	ND	1.6	1.0	µg/kg
Trichlorofluoromethane	ND	ND	ND	ND	ND	5.0	µg/kg
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Vinyl chloride	ND	ND	ND	ND	ND	1.0	µg/kg
Xylenes	ND	ND	ND	ND	ND	1.0	µg/kg
MTBE	ND	ND	ND	ND	ND	5.0	µg/kg
Ethyl-tert-butylether	ND	ND	ND	ND	ND	5.0	µg/kg
Di-isopropylether	ND	ND	ND	ND	ND	5.0	µg/kg
tert-amylmethylether	ND	ND	ND	ND	ND	5.0	µg/kg
tert-Butylalcohol	ND	ND	ND	ND	ND	50.0	µg/kg
Gasoline Range Organics	ND	ND	ND	ND	ND	0.20	mg/kg
<u>Dilution Factor</u>	1	1	1	1	1		
<u>Surrogate Recoveries:</u>						<u>QC Limits</u>	
Dibromofluoromethane	106%	108%	107%	107%	109%	60 - 140	
Toluene-d ₈	96%	98%	95%	99%	99%	60 - 140	
4-Bromofluorobenzene	99%	99%	98%	101%	98%	60 - 140	
	VOC3-050716- CHECKS	VOC3-050716- CHECKS	VOC3-050716- CHECKS	VOC3-050716- CHECKS	VOC3-050716- CHECKS		

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/12/2016
JEL Ref. No.: ST-9297
Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front Street
Burbank, CA

Date Sampled: 5/5-6/2016
Date Received: 5/6/2016
Date Analyzed: 5/7-9/2016
Physical State: Soil

EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

<u>Sample ID:</u>	B12-5'	B12-5'D	B12-11'	B12-17'	B13-1'		
<u>JEL ID:</u>	ST-9297-21	ST-9297-22	ST-9297-23	ST-9297-24	ST-9297-25	<u>Practical Quantitation</u>	<u>Units</u>
Analytes:						<u>Limit</u>	
Benzene	ND	ND	ND	ND	ND	1.0	µg/kg
Bromobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Bromodichloromethane	ND	ND	ND	ND	ND	1.0	µg/kg
Bromoform	ND	ND	ND	ND	ND	1.0	µg/kg
n-Butylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
sec-Butylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
tert-Butylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Carbon tetrachloride	ND	ND	ND	ND	ND	1.0	µg/kg
Chlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Chloroform	ND	ND	ND	ND	ND	1.0	µg/kg
2-Chlorotoluene	ND	ND	ND	ND	ND	1.0	µg/kg
4-Chlorotoluene	ND	ND	ND	ND	ND	1.0	µg/kg
Dibromochloromethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	ND	1.0	µg/kg
Dibromomethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2- Dichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Dichlorodifluoromethane	ND	ND	ND	ND	ND	5.0	µg/kg
1,1-Dichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1-Dichloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,3-Dichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
2,2-Dichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1-Dichloropropene	ND	ND	ND	ND	ND	1.0	µg/kg

JONES ENVIRONMENTAL LABORATORY RESULTS

EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

<u>Sample ID:</u>	B12-5'	B12-5'D	B12-11'	B12-17'	B13-1'		
<u>JEL ID:</u>	ST-9297-21	ST-9297-22	ST-9297-23	ST-9297-24	ST-9297-25	<u>Practical Quantitation</u>	<u>Units</u>
<u>Analytes:</u>						<u>Limit</u>	
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	1.0	µg/kg
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	1.0	µg/kg
Ethylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Freon 113	ND	ND	ND	ND	ND	5.0	µg/kg
Hexachlorobutadiene	ND	ND	ND	ND	ND	1.0	µg/kg
Isopropylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
4-Isopropyltoluene	ND	ND	ND	ND	ND	1.0	µg/kg
Methylene chloride	ND	ND	ND	ND	ND	1.0	µg/kg
Naphthalene	ND	ND	ND	ND	ND	1.0	µg/kg
n-Propylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Styrene	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
Tetrachloroethylene	2.4	2.8	1.3	ND	ND	1.0	µg/kg
Toluene	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
Trichloroethylene	ND	ND	ND	ND	ND	1.0	µg/kg
Trichlorofluoromethane	ND	ND	ND	ND	ND	5.0	µg/kg
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Vinyl chloride	ND	ND	ND	ND	ND	1.0	µg/kg
Xylenes	ND	ND	ND	ND	ND	1.0	µg/kg
MTBE	ND	ND	ND	ND	ND	5.0	µg/kg
Ethyl-tert-butylether	ND	ND	ND	ND	ND	5.0	µg/kg
Di-isopropylether	ND	ND	ND	ND	ND	5.0	µg/kg
tert-amylmethylether	ND	ND	ND	ND	ND	5.0	µg/kg
tert-Butylalcohol	ND	ND	ND	ND	ND	50.0	µg/kg
Gasoline Range Organics	ND	ND	ND	ND	ND	0.20	mg/kg
<u>Dilution Factor</u>	1	1	1	1	1		
<u>Surrogate Recoveries:</u>						<u>QC Limits</u>	
Dibromofluoromethane	111%	110%	109%	108%	113%	60 - 140	
Toluene-d ₈	100%	98%	99%	99%	103%	60 - 140	
4-Bromofluorobenzene	103%	103%	101%	101%	105%	60 - 140	

VOC3-050716-CHECKS_2 VOC3-050716-CHECKS_2 VOC3-050716-CHECKS_2 VOC3-050716-CHECKS_2 VOC3-050716-CHECKS_2

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/12/2016
JEL Ref. No.: ST-9297
Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front Street
Burbank, CA

Date Sampled: 5/5-6/2016
Date Received: 5/6/2016
Date Analyzed: 5/7-9/2016
Physical State: Soil

EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

<u>Sample ID:</u>	B13-5'	B13-11'	B13-17'	B14-1'	B14-5'		
<u>JEL ID:</u>	ST-9297-26	ST-9297-27	ST-9297-28	ST-9297-29	ST-9297-30	<u>Practical Quantitation</u>	<u>Units</u>
<u>Analytes:</u>						<u>Limit</u>	
Benzene	ND	ND	ND	ND	ND	1.0	µg/kg
Bromobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Bromodichloromethane	ND	ND	ND	ND	ND	1.0	µg/kg
Bromoform	ND	ND	ND	ND	ND	1.0	µg/kg
n-Butylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
sec-Butylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
tert-Butylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Carbon tetrachloride	ND	ND	ND	ND	ND	1.0	µg/kg
Chlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Chloroform	ND	ND	ND	ND	ND	1.0	µg/kg
2-Chlorotoluene	ND	ND	ND	ND	ND	1.0	µg/kg
4-Chlorotoluene	ND	ND	ND	ND	ND	1.0	µg/kg
Dibromochloromethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	ND	1.0	µg/kg
Dibromomethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Dichlorodifluoromethane	ND	ND	ND	ND	ND	5.0	µg/kg
1,1-Dichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1-Dichloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,3-Dichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
2,2-Dichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1-Dichloropropene	ND	ND	ND	ND	ND	1.0	µg/kg

JONES ENVIRONMENTAL LABORATORY RESULTS

EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

<u>Sample ID:</u>	B13-5'	B13-11'	B13-17'	B14-1'	B14-5'		
<u>JEL ID:</u>	ST-9297-26	ST-9297-27	ST-9297-28	ST-9297-29	ST-9297-30	<u>Practical Quantitation</u>	<u>Units</u>
Analytes:						<u>Limit</u>	
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	1.0	µg/kg
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	1.0	µg/kg
Ethylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Freon 113	ND	ND	ND	ND	ND	5.0	µg/kg
Hexachlorobutadiene	ND	ND	ND	ND	ND	1.0	µg/kg
Isopropylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
4-Isopropyltoluene	ND	ND	ND	ND	ND	1.0	µg/kg
Methylene chloride	ND	ND	ND	ND	ND	1.0	µg/kg
Naphthalene	ND	ND	ND	ND	ND	1.0	µg/kg
n-Propylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Styrene	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
Tetrachloroethylene	2.1	1.2	ND	ND	ND	1.0	µg/kg
Toluene	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
Trichloroethylene	ND	ND	ND	ND	ND	1.0	µg/kg
Trichlorofluoromethane	ND	ND	ND	ND	ND	5.0	µg/kg
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Vinyl chloride	ND	ND	ND	ND	ND	1.0	µg/kg
Xylenes	ND	ND	ND	ND	ND	1.0	µg/kg
MTBE	ND	ND	ND	ND	ND	5.0	µg/kg
Ethyl-tert-butylether	ND	ND	ND	ND	ND	5.0	µg/kg
Di-isopropylether	ND	ND	ND	ND	ND	5.0	µg/kg
tert-amylmethylether	ND	ND	ND	ND	ND	5.0	µg/kg
tert-Butylalcohol	ND	ND	ND	ND	ND	50.0	µg/kg
Gasoline Range Organics	ND	ND	ND	ND	ND	0.20	mg/kg
<u>Dilution Factor</u>	1	1	1	1	1		
Surrogate Recoveries:						<u>QC Limits</u>	
Dibromofluoromethane	109%	108%	109%	107%	110%	60 - 140	
Toluene-d ₈	100%	100%	102%	97%	99%	60 - 140	
4-Bromofluorobenzene	101%	101%	103%	99%	102%	60 - 140	

VOC3-050716-
CHECKS_2 VOC3-050716-
CHECKS_2 VOC3-050716-
CHECKS_2 VOC3-050716-
CHECKS_2 VOC3-050716-
CHECKS_2

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Leighton & Associates, Inc.	Report date:	5/12/2016
Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	ST-9297
		Client Ref. No.:	11235.002
Attn:	Robin Ferber	Date Sampled:	5/5-6/2016
		Date Received:	5/6/2016
Project:	SJ4 Burbank	Date Analyzed:	5/7-9/2016
Project Address:	777 N. Front Street Burbank, CA	Physical State:	Soil

EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

<u>Sample ID:</u>	B14-11'	B14-17'	B15-1'	B15-4'	B15-5'		
<u>JEL ID:</u>	ST-9297-31	ST-9297-32	ST-9297-33	ST-9297-34	ST-9297-35	<u>Practical Quantitation</u>	<u>Units</u>
<u>Analytes:</u>						<u>Limit</u>	
Benzene	ND	ND	ND	ND	ND	1.0	µg/kg
Bromobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Bromodichloromethane	ND	ND	ND	ND	ND	1.0	µg/kg
Bromoform	ND	ND	ND	ND	ND	1.0	µg/kg
n-Butylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
sec-Butylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
tert-Butylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Carbon tetrachloride	ND	ND	ND	ND	ND	1.0	µg/kg
Chlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Chloroform	ND	ND	ND	ND	ND	1.0	µg/kg
2-Chlorotoluene	ND	ND	ND	ND	ND	1.0	µg/kg
4-Chlorotoluene	ND	ND	ND	ND	ND	1.0	µg/kg
Dibromochloromethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	ND	1.0	µg/kg
Dibromomethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2- Dichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Dichlorodifluoromethane	ND	ND	ND	ND	ND	5.0	µg/kg
1,1-Dichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1-Dichloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,3-Dichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
2,2-Dichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1-Dichloropropene	ND	ND	ND	ND	ND	1.0	µg/kg

JONES ENVIRONMENTAL LABORATORY RESULTS

EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

<u>Sample ID:</u>	B14-11'	B14-17'	B15-1'	B15-4'	B15-5'		
<u>JEL ID:</u>	ST-9297-31	ST-9297-32	ST-9297-33	ST-9297-34	ST-9297-35	<u>Practical Quantitation</u>	<u>Units</u>
Analytes:						<u>Limit</u>	
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	1.0	µg/kg
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	1.0	µg/kg
Ethylbenzene	ND	ND	ND	ND	3.0	1.0	µg/kg
Freon 113	ND	ND	ND	ND	ND	5.0	µg/kg
Hexachlorobutadiene	ND	ND	ND	ND	ND	1.0	µg/kg
Isopropylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
4-Isopropyltoluene	ND	ND	ND	ND	ND	1.0	µg/kg
Methylene chloride	ND	ND	ND	ND	ND	1.0	µg/kg
Naphthalene	ND	ND	ND	ND	ND	1.0	µg/kg
n-Propylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Styrene	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
Tetrachloroethylene	ND	ND	ND	ND	ND	1.0	µg/kg
Toluene	ND	ND	ND	ND	1.8	1.0	µg/kg
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
Trichloroethylene	ND	ND	ND	ND	ND	1.0	µg/kg
Trichlorofluoromethane	ND	ND	ND	ND	ND	5.0	µg/kg
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Vinyl chloride	ND	ND	ND	ND	ND	1.0	µg/kg
Xylenes	ND	ND	ND	ND	ND	1.0	µg/kg
MTBE	ND	ND	ND	ND	ND	5.0	µg/kg
Ethyl-tert-butylether	ND	ND	ND	ND	ND	5.0	µg/kg
Di-isopropylether	ND	ND	ND	ND	ND	5.0	µg/kg
tert-amylmethylether	ND	ND	ND	ND	ND	5.0	µg/kg
tert-Butylalcohol	ND	ND	ND	ND	ND	50.0	µg/kg
Gasoline Range Organics	ND	ND	ND	ND	ND	0.20	mg/kg
<u>Dilution Factor</u>	1	1	1	1	1		
Surrogate Recoveries:						<u>QC Limits</u>	
Dibromofluoromethane	112%	115%	104%	112%	108%	60 - 140	
Toluene-d ₈	101%	106%	97%	101%	101%	60 - 140	
4-Bromofluorobenzene	105%	110%	105%	106%	112%	60 - 140	
	VOC3-050716- CHECKS_2	VOC3-050716- CHECKS_2	VOC3-050716- CHECKS_2	VOC3-050716- CHECKS_2	VOC3-050716- CHECKS_2		

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/12/2016
JEL Ref. No.: ST-9297
Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front Street
Burbank, CA

Date Sampled: 5/5-6/2016
Date Received: 5/6/2016
Date Analyzed: 5/7-9/2016
Physical State: Soil

EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

<u>Sample ID:</u>	LB1-1'	LB1-4.5'	LB1-8.5'	LB1-14.5'	LB1-20.5'		
<u>JEL ID:</u>	ST-9297-36	ST-9297-37	ST-9297-38	ST-9297-39	ST-9297-40	<u>Practical Quantitation</u>	<u>Units</u>
<u>Analytes:</u>						<u>Limit</u>	
Benzene	ND	ND	ND	ND	ND	1.0	µg/kg
Bromobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Bromodichloromethane	ND	ND	ND	ND	ND	1.0	µg/kg
Bromoform	ND	ND	ND	ND	ND	1.0	µg/kg
n-Butylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
sec-Butylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
tert-Butylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Carbon tetrachloride	ND	ND	ND	ND	ND	1.0	µg/kg
Chlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Chloroform	ND	ND	ND	ND	ND	1.0	µg/kg
2-Chlorotoluene	ND	ND	ND	ND	ND	1.0	µg/kg
4-Chlorotoluene	ND	ND	ND	ND	ND	1.0	µg/kg
Dibromochloromethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	ND	1.0	µg/kg
Dibromomethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2- Dichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Dichlorodifluoromethane	ND	ND	ND	ND	ND	5.0	µg/kg
1,1-Dichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1-Dichloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,3-Dichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
2,2-Dichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1-Dichloropropene	ND	ND	ND	ND	ND	1.0	µg/kg

JONES ENVIRONMENTAL LABORATORY RESULTS

EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

<u>Sample ID:</u>	LB1-1'	LB1-4.5'	LB1-8.5'	LB1-14.5'	LB1-20.5'		
<u>JEL ID:</u>	ST-9297-36	ST-9297-37	ST-9297-38	ST-9297-39	ST-9297-40	<u>Practical Quantitation</u>	<u>Units</u>
Analytes:						<u>Limit</u>	
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	1.0	µg/kg
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	1.0	µg/kg
Ethylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Freon 113	ND	ND	ND	ND	ND	5.0	µg/kg
Hexachlorobutadiene	ND	ND	ND	ND	ND	1.0	µg/kg
Isopropylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
4-Isopropyltoluene	ND	ND	ND	ND	ND	1.0	µg/kg
Methylene chloride	ND	ND	ND	ND	ND	1.0	µg/kg
Naphthalene	ND	ND	ND	ND	ND	1.0	µg/kg
n-Propylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Styrene	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
Tetrachloroethylene	2.9	1.6	1.8	ND	ND	1.0	µg/kg
Toluene	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
Trichloroethylene	ND	ND	ND	ND	ND	1.0	µg/kg
Trichlorofluoromethane	ND	ND	ND	ND	ND	5.0	µg/kg
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Vinyl chloride	ND	ND	ND	ND	ND	1.0	µg/kg
Xylenes	ND	ND	ND	ND	ND	1.0	µg/kg
MTBE	ND	ND	ND	ND	ND	5.0	µg/kg
Ethyl-tert-butylether	ND	ND	ND	ND	ND	5.0	µg/kg
Di-isopropylether	ND	ND	ND	ND	ND	5.0	µg/kg
tert-amylmethylether	ND	ND	ND	ND	ND	5.0	µg/kg
tert-Butylalcohol	ND	ND	ND	ND	ND	50.0	µg/kg
Gasoline Range Organics	ND	ND	ND	ND	ND	0.20	mg/kg
<u>Dilution Factor</u>	1	1	1	1	1		
Surrogate Recoveries:						<u>QC Limits</u>	
Dibromofluoromethane	106%	106%	109%	110%	109%	60 - 140	
Toluene-d ₈	96%	99%	100%	101%	100%	60 - 140	
4-Bromofluorobenzene	98%	99%	107%	102%	104%	60 - 140	
	VOC3-050716- CHECKS_2	VOC3-050716- CHECKS_2	VOC3-050716- CHECKS_2	VOC3-050716- CHECKS_2	VOC3-050716- CHECKS_2		

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/12/2016
JEL Ref. No.: ST-9297
Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front Street
Burbank, CA

Date Sampled: 5/5-6/2016
Date Received: 5/6/2016
Date Analyzed: 5/7-9/2016
Physical State: Soil

EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

<u>Sample ID:</u>	LB2-1'	LB-4.5'	LB2-8.5'	LB2-14.5'	LB2-20.5'		
<u>JEL ID:</u>	ST-9297-41	ST-9297-42	ST-9297-43	ST-9297-44	ST-9297-45	<u>Practical Quantitation</u>	<u>Units</u>
<u>Analytes:</u>						<u>Limit</u>	
Benzene	ND	ND	ND	ND	ND	1.0	µg/kg
Bromobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Bromodichloromethane	ND	ND	ND	ND	ND	1.0	µg/kg
Bromoform	ND	ND	ND	ND	ND	1.0	µg/kg
n-Butylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
sec-Butylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
tert-Butylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Carbon tetrachloride	ND	ND	ND	ND	ND	1.0	µg/kg
Chlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Chloroform	ND	ND	ND	ND	ND	1.0	µg/kg
2-Chlorotoluene	ND	ND	ND	ND	ND	1.0	µg/kg
4-Chlorotoluene	ND	ND	ND	ND	ND	1.0	µg/kg
Dibromochloromethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	ND	1.0	µg/kg
Dibromomethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2- Dichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Dichlorodifluoromethane	ND	ND	ND	ND	ND	5.0	µg/kg
1,1-Dichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1-Dichloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,3-Dichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
2,2-Dichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1-Dichloropropene	ND	ND	ND	ND	ND	1.0	µg/kg

JONES ENVIRONMENTAL LABORATORY RESULTS

EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

<u>Sample ID:</u>	LB2-1'	LB-4.5'	LB2-8.5'	LB2-14.5'	LB2-20.5'		
<u>JEL ID:</u>	ST-9297-41	ST-9297-42	ST-9297-43	ST-9297-44	ST-9297-45	<u>Practical Quantitation</u>	<u>Units</u>
Analytes:						<u>Limit</u>	
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	1.0	µg/kg
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	1.0	µg/kg
Ethylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Freon 113	ND	ND	ND	ND	ND	5.0	µg/kg
Hexachlorobutadiene	ND	ND	ND	ND	ND	1.0	µg/kg
Isopropylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
4-Isopropyltoluene	ND	ND	ND	ND	ND	1.0	µg/kg
Methylene chloride	ND	ND	ND	ND	ND	1.0	µg/kg
Naphthalene	ND	ND	ND	ND	ND	1.0	µg/kg
n-Propylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Styrene	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
Tetrachloroethylene	28.0	2.2	2.2	5.5	25.9	1.0	µg/kg
Toluene	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
Trichloroethylene	1.4	ND	ND	ND	ND	1.0	µg/kg
Trichlorofluoromethane	ND	ND	ND	ND	ND	5.0	µg/kg
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Vinyl chloride	ND	ND	ND	ND	ND	1.0	µg/kg
Xylenes	ND	ND	ND	ND	ND	1.0	µg/kg
MTBE	ND	ND	ND	ND	ND	5.0	µg/kg
Ethyl-tert-butylether	ND	ND	ND	ND	ND	5.0	µg/kg
Di-isopropylether	ND	ND	ND	ND	ND	5.0	µg/kg
tert-amylmethylether	ND	ND	ND	ND	ND	5.0	µg/kg
tert-Butylalcohol	ND	ND	ND	ND	ND	50.0	µg/kg
Gasoline Range Organics	ND	ND	ND	ND	ND	0.20	mg/kg
<u>Dilution Factor</u>	1	1	1	1	1		
Surrogate Recoveries:						<u>QC Limits</u>	
Dibromofluoromethane	109%	108%	110%	111%	111%	60 - 140	
Toluene-d ₈	97%	99%	101%	99%	99%	60 - 140	
4-Bromofluorobenzene	99%	102%	103%	97%	104%	60 - 140	

VOC3-050716-CHECKS_3 VOC3-050716-CHECKS_3 VOC3-050716-CHECKS_3 VOC3-050716-CHECKS_3 VOC3-050716-CHECKS_3

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Leighton & Associates, Inc.	Report date:	5/12/2016
Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	ST-9297
		Client Ref. No.:	11235.002
Attn:	Robin Ferber	Date Sampled:	5/5-6/2016
		Date Received:	5/6/2016
Project:	SJ4 Burbank	Date Analyzed:	5/7-9/2016
Project Address:	777 N. Front Street Burbank, CA	Physical State:	Soil

EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

<u>Sample ID:</u>	LB3-1'	LB3-1'-D	LB3-4.5'	LB3-8.5'	LB3-14.5'		
<u>JEL ID:</u>	ST-9297-46	ST-9297-47	ST-9297-48	ST-9297-49	ST-9297-50	<u>Practical Quantitation</u>	<u>Units</u>
<u>Analytes:</u>						<u>Limit</u>	
Benzene	ND	ND	ND	ND	ND	1.0	µg/kg
Bromobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Bromodichloromethane	ND	ND	ND	ND	ND	1.0	µg/kg
Bromoform	ND	ND	ND	ND	ND	1.0	µg/kg
n-Butylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
sec-Butylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
tert-Butylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Carbon tetrachloride	ND	ND	ND	ND	ND	1.0	µg/kg
Chlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Chloroform	ND	ND	ND	ND	ND	1.0	µg/kg
2-Chlorotoluene	ND	ND	ND	ND	ND	1.0	µg/kg
4-Chlorotoluene	ND	ND	ND	ND	ND	1.0	µg/kg
Dibromochloromethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	ND	1.0	µg/kg
Dibromomethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2- Dichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Dichlorodifluoromethane	ND	ND	ND	ND	ND	5.0	µg/kg
1,1-Dichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1-Dichloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,3-Dichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
2,2-Dichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1-Dichloropropene	ND	ND	ND	ND	ND	1.0	µg/kg

JONES ENVIRONMENTAL LABORATORY RESULTS

EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

<u>Sample ID:</u>	LB3-1'	LB3-1'-D	LB3-4.5'	LB3-8.5'	LB3-14.5'		
<u>JEL ID:</u>	ST-9297-46	ST-9297-47	ST-9297-48	ST-9297-49	ST-9297-50	<u>Practical Quantitation</u>	<u>Units</u>
Analytes:						<u>Limit</u>	
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	1.0	µg/kg
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	1.0	µg/kg
Ethylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Freon 113	ND	ND	ND	ND	ND	5.0	µg/kg
Hexachlorobutadiene	ND	ND	ND	ND	ND	1.0	µg/kg
Isopropylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
4-Isopropyltoluene	ND	ND	ND	ND	ND	1.0	µg/kg
Methylene chloride	ND	ND	ND	ND	ND	1.0	µg/kg
Naphthalene	ND	ND	ND	ND	ND	1.0	µg/kg
n-Propylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Styrene	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
Tetrachloroethylene	43.9	46.7	19.6	8.2	89.4	1.0	µg/kg
Toluene	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
Trichloroethylene	ND	ND	ND	ND	ND	1.0	µg/kg
Trichlorofluoromethane	ND	ND	ND	ND	ND	5.0	µg/kg
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Vinyl chloride	ND	ND	ND	ND	ND	1.0	µg/kg
Xylenes	ND	ND	ND	ND	ND	1.0	µg/kg
MTBE	ND	ND	ND	ND	ND	5.0	µg/kg
Ethyl-tert-butylether	ND	ND	ND	ND	ND	5.0	µg/kg
Di-isopropylether	ND	ND	ND	ND	ND	5.0	µg/kg
tert-amylmethylether	ND	ND	ND	ND	ND	5.0	µg/kg
tert-Butylalcohol	ND	ND	ND	ND	ND	50.0	µg/kg
Gasoline Range Organics	ND	ND	ND	ND	ND	0.20	mg/kg
<u>Dilution Factor</u>	1	1	1	1	1		
Surrogate Recoveries:						<u>QC Limits</u>	
Dibromofluoromethane	109%	110%	105%	109%	108%	60 - 140	
Toluene-d ₈	99%	98%	95%	99%	98%	60 - 140	
4-Bromofluorobenzene	100%	104%	101%	98%	102%	60 - 140	
	VOC3-050716- CHECKS_3	VOC3-050716- CHECKS_3	VOC3-050716- CHECKS_3	VOC3-050716- CHECKS_3	VOC3-050716- CHECKS_3		

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/12/2016
JEL Ref. No.: ST-9297
Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front Street
Burbank, CA

Date Sampled: 5/5-6/2016
Date Received: 5/6/2016
Date Analyzed: 5/7-9/2016
Physical State: Soil

EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

Sample ID:	LB3-20.5'	LB7-1'	LB7-5'	LB7-11'	LB7-17'		
JEL ID:	ST-9297-51	ST-9297-52	ST-9297-53	ST-9297-54	ST-9297-55	Practical Quantitation	Units
Analytes:						Limit	
Benzene	ND	ND	ND	ND	ND	1.0	µg/kg
Bromobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Bromodichloromethane	ND	ND	ND	ND	ND	1.0	µg/kg
Bromoform	ND	ND	ND	ND	ND	1.0	µg/kg
n-Butylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
sec-Butylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
tert-Butylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Carbon tetrachloride	ND	ND	ND	ND	ND	1.0	µg/kg
Chlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Chloroform	ND	ND	ND	ND	ND	1.0	µg/kg
2-Chlorotoluene	ND	ND	ND	ND	ND	1.0	µg/kg
4-Chlorotoluene	ND	ND	ND	ND	ND	1.0	µg/kg
Dibromochloromethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	ND	1.0	µg/kg
Dibromomethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Dichlorodifluoromethane	ND	ND	ND	ND	ND	5.0	µg/kg
1,1-Dichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1-Dichloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,3-Dichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
2,2-Dichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1-Dichloropropene	ND	ND	ND	ND	ND	1.0	µg/kg

JONES ENVIRONMENTAL LABORATORY RESULTS

EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

<u>Sample ID:</u>	LB3-20.5'	LB7-1'	LB7-5'	LB7-11'	LB7-17'		
<u>JEL ID:</u>	ST-9297-51	ST-9297-52	ST-9297-53	ST-9297-54	ST-9297-55	<u>Practical Quantitation</u>	<u>Units</u>
Analytes:						<u>Limit</u>	
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	1.0	µg/kg
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	1.0	µg/kg
Ethylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Freon 113	ND	ND	ND	ND	ND	5.0	µg/kg
Hexachlorobutadiene	ND	ND	ND	ND	ND	1.0	µg/kg
Isopropylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
4-Isopropyltoluene	ND	ND	ND	ND	ND	1.0	µg/kg
Methylene chloride	ND	ND	ND	ND	ND	1.0	µg/kg
Naphthalene	ND	ND	ND	ND	ND	1.0	µg/kg
n-Propylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Styrene	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
Tetrachloroethylene	28.2	3.5	ND	1.0	ND	1.0	µg/kg
Toluene	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
Trichloroethylene	ND	ND	ND	ND	ND	1.0	µg/kg
Trichlorofluoromethane	ND	ND	ND	ND	ND	5.0	µg/kg
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Vinyl chloride	ND	ND	ND	ND	ND	1.0	µg/kg
Xylenes	ND	ND	ND	ND	ND	1.0	µg/kg
MTBE	ND	ND	ND	ND	ND	5.0	µg/kg
Ethyl-tert-butylether	ND	ND	ND	ND	ND	5.0	µg/kg
Di-isopropylether	ND	ND	ND	ND	ND	5.0	µg/kg
tert-amylmethylether	ND	ND	ND	ND	ND	5.0	µg/kg
tert-Butylalcohol	ND	ND	ND	ND	ND	50.0	µg/kg
Gasoline Range Organics	ND	ND	ND	ND	ND	0.20	mg/kg
<u>Dilution Factor</u>	1	1	1	1	1		
Surrogate Recoveries:						<u>QC Limits</u>	
Dibromofluoromethane	110%	110%	110%	110%	108%	60 - 140	
Toluene-d ₈	98%	98%	100%	99%	97%	60 - 140	
4-Bromofluorobenzene	102%	100%	102%	102%	101%	60 - 140	
	VOC3-050716- CHECKS_3	VOC3-050716- CHECKS_3	VOC3-050716- CHECKS_3	VOC3-050716- CHECKS_3	VOC3-050716- CHECKS_3		

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/12/2016
JEL Ref. No.: ST-9297
Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front Street
Burbank, CA

Date Sampled: 5/5-6/2016
Date Received: 5/6/2016
Date Analyzed: 5/7-9/2016
Physical State: Soil

EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

<u>Sample ID:</u>	LB8-1'	LB8-5'	LB8-11'	LB8-17'		
<u>JEL ID:</u>	ST-9297-56	ST-9297-57	ST-9297-58	ST-9297-59	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:						
Benzene	ND	ND	ND	ND	1.0	µg/kg
Bromobenzene	ND	ND	ND	ND	1.0	µg/kg
Bromodichloromethane	ND	ND	ND	ND	1.0	µg/kg
Bromoform	ND	ND	ND	ND	1.0	µg/kg
n-Butylbenzene	ND	ND	ND	ND	1.0	µg/kg
sec-Butylbenzene	ND	ND	ND	ND	1.0	µg/kg
tert-Butylbenzene	ND	ND	ND	ND	1.0	µg/kg
Carbon tetrachloride	ND	ND	ND	ND	1.0	µg/kg
Chlorobenzene	ND	ND	ND	ND	1.0	µg/kg
Chloroform	ND	ND	ND	ND	1.0	µg/kg
2-Chlorotoluene	ND	ND	ND	ND	1.0	µg/kg
4-Chlorotoluene	ND	ND	ND	ND	1.0	µg/kg
Dibromochloromethane	ND	ND	ND	ND	1.0	µg/kg
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	1.0	µg/kg
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	1.0	µg/kg
Dibromomethane	ND	ND	ND	ND	1.0	µg/kg
1,2- Dichlorobenzene	ND	ND	ND	ND	1.0	µg/kg
1,3-Dichlorobenzene	ND	ND	ND	ND	1.0	µg/kg
1,4-Dichlorobenzene	ND	ND	ND	ND	1.0	µg/kg
Dichlorodifluoromethane	ND	ND	ND	ND	5.0	µg/kg
1,1-Dichloroethane	ND	ND	ND	ND	1.0	µg/kg
1,2-Dichloroethane	ND	ND	ND	ND	1.0	µg/kg
1,1-Dichloroethene	ND	ND	ND	ND	1.0	µg/kg
cis-1,2-Dichloroethene	ND	ND	ND	ND	1.0	µg/kg
trans-1,2-Dichloroethene	ND	ND	ND	ND	1.0	µg/kg
1,2-Dichloropropane	ND	ND	ND	ND	1.0	µg/kg
1,3-Dichloropropane	ND	ND	ND	ND	1.0	µg/kg
2,2-Dichloropropane	ND	ND	ND	ND	1.0	µg/kg
1,1-Dichloropropene	ND	ND	ND	ND	1.0	µg/kg

JONES ENVIRONMENTAL LABORATORY RESULTS

EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

<u>Sample ID:</u>	LB8-1'	LB8-5'	LB8-11'	LB8-17'		
<u>JEL ID:</u>	ST-9297-56	ST-9297-57	ST-9297-58	ST-9297-59	<u>Practical Quantitation</u>	<u>Units</u>
Analytes:					<u>Limit</u>	
cis-1,3-Dichloropropene	ND	ND	ND	ND	1.0	µg/kg
trans-1,3-Dichloropropene	ND	ND	ND	ND	1.0	µg/kg
Ethylbenzene	ND	ND	ND	ND	1.0	µg/kg
Freon 113	ND	ND	ND	ND	5.0	µg/kg
Hexachlorobutadiene	ND	ND	ND	ND	1.0	µg/kg
Isopropylbenzene	ND	ND	ND	ND	1.0	µg/kg
4-Isopropyltoluene	ND	ND	ND	ND	1.0	µg/kg
Methylene chloride	ND	ND	ND	ND	1.0	µg/kg
Naphthalene	ND	ND	ND	ND	1.0	µg/kg
n-Propylbenzene	ND	ND	ND	ND	1.0	µg/kg
Styrene	ND	ND	ND	ND	1.0	µg/kg
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	1.0	µg/kg
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	1.0	µg/kg
Tetrachloroethylene	187	21.5	3.0	ND	1.0	µg/kg
Toluene	ND	ND	ND	ND	1.0	µg/kg
1,2,3-Trichlorobenzene	ND	ND	ND	ND	1.0	µg/kg
1,2,4-Trichlorobenzene	ND	ND	ND	ND	1.0	µg/kg
1,1,1-Trichloroethane	20.9	4.1	ND	ND	1.0	µg/kg
1,1,2-Trichloroethane	ND	ND	ND	ND	1.0	µg/kg
Trichloroethylene	1.7	ND	ND	ND	1.0	µg/kg
Trichlorofluoromethane	ND	ND	ND	ND	5.0	µg/kg
1,2,3-Trichloropropane	ND	ND	ND	ND	1.0	µg/kg
1,2,4-Trimethylbenzene	ND	ND	ND	ND	1.0	µg/kg
1,3,5-Trimethylbenzene	ND	ND	ND	ND	1.0	µg/kg
Vinyl chloride	ND	ND	ND	ND	1.0	µg/kg
Xylenes	ND	ND	ND	ND	1.0	µg/kg
MTBE	ND	ND	ND	ND	5.0	µg/kg
Ethyl-tert-butylether	ND	ND	ND	ND	5.0	µg/kg
Di-isopropylether	ND	ND	ND	ND	5.0	µg/kg
tert-amylmethylether	ND	ND	ND	ND	5.0	µg/kg
tert-Butylalcohol	ND	ND	ND	ND	50.0	µg/kg
Gasoline Range Organics	ND	ND	ND	ND	0.20	mg/kg
<u>Dilution Factor</u>	1	1	1	1		
Surrogate Recoveries:					<u>QC Limits</u>	
Dibromofluoromethane	110%	109%	112%	108%	60 - 140	
Toluene-d ₈	97%	97%	100%	97%	60 - 140	
4-Bromofluorobenzene	96%	101%	103%	102%	60 - 140	

VOC3-050716-CHECKS_3 VOC3-050716-CHECKS_3 VOC3-050716-CHECKS_3 VOC3-050716-CHECKS_3

ND= Not Detected



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JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

Client:	Leighton & Associates, Inc.	Report date:	5/12/2016
Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	ST-9297
		Client Ref. No.:	11235.002
Attn:	Robin Ferber	Date Sampled:	5/5-6/2016
		Date Received:	5/6/2016
Project:	SJ4 Burbank	Date Analyzed:	5/7-9/2016
Project Address:	777 N. Front Street Burbank, CA	Physical State:	Soil

EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

<u>Sample ID:</u>	METHOD BLANK	METHOD BLANK	METHOD BLANK	METHOD BLANK		
<u>JEL ID:</u>	ST-9297-60	ST-9297-64	ST-9297-68	ST-9297-72	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:						
Benzene	ND	ND	ND	ND	1.0	µg/kg
Bromobenzene	ND	ND	ND	ND	1.0	µg/kg
Bromodichloromethane	ND	ND	ND	ND	1.0	µg/kg
Bromoform	ND	ND	ND	ND	1.0	µg/kg
n-Butylbenzene	ND	ND	ND	ND	1.0	µg/kg
sec-Butylbenzene	ND	ND	ND	ND	1.0	µg/kg
tert-Butylbenzene	ND	ND	ND	ND	1.0	µg/kg
Carbon tetrachloride	ND	ND	ND	ND	1.0	µg/kg
Chlorobenzene	ND	ND	ND	ND	1.0	µg/kg
Chloroform	ND	ND	ND	ND	1.0	µg/kg
2-Chlorotoluene	ND	ND	ND	ND	1.0	µg/kg
4-Chlorotoluene	ND	ND	ND	ND	1.0	µg/kg
Dibromochloromethane	ND	ND	ND	ND	1.0	µg/kg
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	1.0	µg/kg
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	1.0	µg/kg
Dibromomethane	ND	ND	ND	ND	1.0	µg/kg
1,2- Dichlorobenzene	ND	ND	ND	ND	1.0	µg/kg
1,3-Dichlorobenzene	ND	ND	ND	ND	1.0	µg/kg
1,4-Dichlorobenzene	ND	ND	ND	ND	1.0	µg/kg
Dichlorodifluoromethane	ND	ND	ND	ND	5.0	µg/kg
1,1-Dichloroethane	ND	ND	ND	ND	1.0	µg/kg
1,2-Dichloroethane	ND	ND	ND	ND	1.0	µg/kg
1,1-Dichloroethene	ND	ND	ND	ND	1.0	µg/kg
cis-1,2-Dichloroethene	ND	ND	ND	ND	1.0	µg/kg
trans-1,2-Dichloroethene	ND	ND	ND	ND	1.0	µg/kg
1,2-Dichloropropane	ND	ND	ND	ND	1.0	µg/kg
1,3-Dichloropropane	ND	ND	ND	ND	1.0	µg/kg
2,2-Dichloropropane	ND	ND	ND	ND	1.0	µg/kg
1,1-Dichloropropene	ND	ND	ND	ND	1.0	µg/kg

JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

<u>Sample ID:</u>	METHOD BLANK	METHOD BLANK	METHOD BLANK	METHOD BLANK		
<u>JEL ID:</u>	ST-9297-60	ST-9297-64	ST-9297-68	ST-9297-72	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:						
cis-1,3-Dichloropropene	ND	ND	ND	ND	1.0	µg/kg
trans-1,3-Dichloropropene	ND	ND	ND	ND	1.0	µg/kg
Ethylbenzene	ND	ND	ND	ND	1.0	µg/kg
Freon 113	ND	ND	ND	ND	5.0	µg/kg
Hexachlorobutadiene	ND	ND	ND	ND	1.0	µg/kg
Isopropylbenzene	ND	ND	ND	ND	1.0	µg/kg
4-Isopropyltoluene	ND	ND	ND	ND	1.0	µg/kg
Methylene chloride	ND	ND	ND	ND	1.0	µg/kg
Naphthalene	ND	ND	ND	ND	1.0	µg/kg
n-Propylbenzene	ND	ND	ND	ND	1.0	µg/kg
Styrene	ND	ND	ND	ND	1.0	µg/kg
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	1.0	µg/kg
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	1.0	µg/kg
Tetrachloroethylene	ND	ND	ND	ND	1.0	µg/kg
Toluene	ND	ND	ND	ND	1.0	µg/kg
1,2,3-Trichlorobenzene	ND	ND	ND	ND	1.0	µg/kg
1,2,4-Trichlorobenzene	ND	ND	ND	ND	1.0	µg/kg
1,1,1-Trichloroethane	ND	ND	ND	ND	1.0	µg/kg
1,1,2-Trichloroethane	ND	ND	ND	ND	1.0	µg/kg
Trichloroethylene	ND	ND	ND	ND	1.0	µg/kg
Trichlorofluoromethane	ND	ND	ND	ND	5.0	µg/kg
1,2,3-Trichloropropane	ND	ND	ND	ND	1.0	µg/kg
1,2,4-Trimethylbenzene	ND	ND	ND	ND	1.0	µg/kg
1,3,5-Trimethylbenzene	ND	ND	ND	ND	1.0	µg/kg
Vinyl chloride	ND	ND	ND	ND	1.0	µg/kg
Xylenes	ND	ND	ND	ND	1.0	µg/kg
MTBE	ND	ND	ND	ND	5.0	µg/kg
Ethyl-tert-butylether	ND	ND	ND	ND	5.0	µg/kg
Di-isopropylether	ND	ND	ND	ND	5.0	µg/kg
tert-amylmethylether	ND	ND	ND	ND	5.0	µg/kg
tert-Butylalcohol	ND	ND	ND	ND	50.0	µg/kg
Gasoline Range Organics	ND	ND	ND	ND	0.20	mg/kg
<u>Dilution Factor</u>	1	1	1	1		
Surrogate Recoveries:					QC Limits	
Dibromofluoromethane	108%	104%	106%	108%	60 - 140	
Toluene-d ₈	99%	99%	98%	103%	60 - 140	
4-Bromofluorobenzene	103%	102%	101%	99%	60 - 140	

VOC3-050716- VOC3-050716- VOC3-050716- VOC3-050916-
CHECKS CHECKS_2 CHECKS_3 CHECKS

ND= Not Detected

JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
 Santa Clarita, CA 91355

Report date: 5/12/2016
JEL Ref. No.: ST-9297
Client Ref. No.: 11235.002

Attn: Robin Ferber

Date Sampled: 5/5-6/2016

Project: SJ4 Burbank
Project Address: 777 N. Front Street
 Burbank, CA

Date Received: 5/6/2016

Date Analyzed: 5/7-9/2016

Physical State: Soil

EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

Sample Spiked:		CLEAN SOIL		GC#: VOC3-050716-CHECKS		
JEL ID:	ST-9297-62	ST-9297-63		ST-9297-61		
Parameter	MS Recovery (%)	MSD Recovery (%)	RPD	Acceptability Range (%)	LCS	Acceptability Range (%)
Vinyl Chloride	92%	81%	12%	60 - 140	90%	70 - 130
1,1-Dichloroethylene	115%	108%	6.1%	60 - 140	119%	70 - 130
Cis-1,2-Dichloroethene	102%	98%	4.7%	70 - 130	105%	70 - 130
1,1,1-Trichloroethane	118%	114%	3.0%	70 - 130	126%	70 - 130
Benzene	111%	108%	3.5%	70 - 130	116%	70 - 130
Trichloroethylene	113%	109%	3.7%	70 - 130	123%	70 - 130
Toluene	90%	83%	8.3%	70 - 130	95%	70 - 130
Tetrachloroethene	104%	93%	11%	70 - 130	109%	70 - 130
Chlorobenzene	110%	106%	3.9%	70 - 130	113%	70 - 130
Ethylbenzene	92%	83%	9.4%	70 - 130	96%	70 - 130
1,2,4 Trimethylbenzene	86%	80%	7.3%	70 - 130	89%	70 - 130
Gasoline Range Organics	95%	88%	6.9%	70 - 130		
Surrogate Recovery:						
Dibromofluoromethane	60%	62%		60 - 140	60%	60 - 140
Toluene-d ₈	98%	97%		60 - 140	97%	60 - 140
4-Bromofluorobenzene	133%	126%		60 - 140	129%	60 - 140

MS = Matrix Spike

MSD = Matrix Spike Duplicate

RPD = Relative Percent Difference; Acceptability range for RPD is ≤ 15%



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11007 FOREST PLACE
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JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/12/2016
JEL Ref. No.: ST-9297
Client Ref. No.: 11235.002

Attn: Robin Ferber

Date Sampled: 5/5-6/2016

Project: SJ4 Burbank
Project Address: 777 N. Front Street
Burbank, CA

Date Received: 5/6/2016

Date Analyzed: 5/7-9/2016

Physical State: Soil

EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

Sample Spiked:		CLEAN SOIL		GC#: VOC3-050716-CHECKS_2		
JEL ID:	ST-9297-66	ST-9297-67		ST-9297-65		
Parameter	MS Recovery (%)	MSD Recovery (%)	RPD	Acceptability Range (%)	LCS	Acceptability Range (%)
Vinyl Chloride	91%	92%	0.3%	60 - 140	86%	70 - 130
1,1-Dichloroethylene	115%	108%	6.4%	60 - 140	118%	70 - 130
Cis-1,2-Dichloroethene	105%	100%	5.1%	70 - 130	106%	70 - 130
1,1,1-Trichloroethane	124%	118%	4.8%	70 - 130	123%	70 - 130
Benzene	119%	112%	6.6%	70 - 130	121%	70 - 130
Trichloroethylene	120%	115%	3.7%	70 - 130	118%	70 - 130
Toluene	96%	92%	4.3%	70 - 130	94%	70 - 130
Tetrachloroethene	95%	88%	7.1%	70 - 130	94%	70 - 130
Chlorobenzene	113%	108%	4.4%	70 - 130	112%	70 - 130
Ethylbenzene	96%	91%	5.4%	70 - 130	96%	70 - 130
1,2,4 Trimethylbenzene	96%	86%	11%	70 - 130	88%	70 - 130
Gasoline Range Organics	102%	95%	6.8%	70 - 130		
Surrogate Recovery:						
Dibromofluoromethane	72%	79%		60 - 140	67%	60 - 140
Toluene-d ₈	101%	96%		60 - 140	97%	60 - 140
4-Bromofluorobenzene	128%	127%		60 - 140	125%	60 - 140

MS = Matrix Spike

MSD = Matrix Spike Duplicate

RPD = Relative Percent Difference; Acceptability range for RPD is ≤ 15%



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11007 FOREST PLACE
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JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/12/2016
JEL Ref. No.: ST-9297
Client Ref. No.: 11235.002

Attn: Robin Ferber

Date Sampled: 5/5-6/2016

Date Received: 5/6/2016

Project: SJ4 Burbank

Date Analyzed: 5/7-9/2016

Project Address: 777 N. Front Street
Burbank, CA

Physical State: Soil

EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

Sample Spiked:	CLEAN SOIL		GC#:	VOC3-050716-CHECKS_3		
JEL ID:	ST-9297-70	ST-9297-71		ST-9297-69		
Parameter	MS Recovery (%)	MSD Recovery (%)	RPD	Acceptability Range (%)	LCS	Acceptability Range (%)
Vinyl Chloride	81%	90%	11%	60 - 140	88%	70 - 130
1,1-Dichloroethylene	105%	111%	5.6%	60 - 140	112%	70 - 130
Cis-1,2-Dichloroethene	99%	101%	2.2%	70 - 130	102%	70 - 130
1,1,1-Trichloroethane	112%	115%	2.7%	70 - 130	118%	70 - 130
Benzene	108%	113%	4.5%	70 - 130	117%	70 - 130
Trichloroethylene	113%	120%	5.8%	70 - 130	117%	70 - 130
Toluene	86%	89%	4.1%	70 - 130	90%	70 - 130
Tetrachloroethene	85%	88%	3.9%	70 - 130	90%	70 - 130
Chlorobenzene	106%	107%	1.1%	70 - 130	107%	70 - 130
Ethylbenzene	88%	87%	1.2%	70 - 130	91%	70 - 130
1,2,4 Trimethylbenzene	81%	84%	3.8%	70 - 130	84%	70 - 130
Gasoline Range Organics	91%	94%	2.9%	70 - 130		
Surrogate Recovery:						
Dibromofluoromethane	66%	65%		60 - 140	66%	60 - 140
Toluene-d ₈	97%	97%		60 - 140	95%	60 - 140
4-Bromofluorobenzene	131%	127%		60 - 140	136%	60 - 140

MS = Matrix Spike

MSD = Matrix Spike Duplicate

RPD = Relative Percent Difference; Acceptability range for RPD is ≤ 15%



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JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/12/2016
JEL Ref. No.: ST-9297
Client Ref. No.: 11235.002

Attn: Robin Ferber

Date Sampled: 5/5-6/2016

Date Received: 5/6/2016

Project: SJ4 Burbank

Date Analyzed: 5/7-9/2016

Project Address: 777 N. Front Street
Burbank, CA

Physical State: Soil

EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

Sample Spiked:		CLEAN SOIL		GC#: VOC3-050916-CHECKS		
JEL ID:	ST-9297-74	ST-9297-75		ST-9297-73		
Parameter	MS Recovery (%)	MSD Recovery (%)	RPD	Acceptability Range (%)	LCS	Acceptability Range (%)
Vinyl Chloride	92%	92%	0.1%	60 - 140	101%	70 - 130
1,1-Dichloroethylene	121%	112%	8.1%	60 - 140	127%	70 - 130
Cis-1,2-Dichloroethene	102%	100%	1.8%	70 - 130	105%	70 - 130
1,1,1-Trichloroethane	125%	120%	3.8%	70 - 130	130%	70 - 130
Benzene	127%	116%	8.9%	70 - 130	125%	70 - 130
Trichloroethylene	121%	114%	5.5%	70 - 130	125%	70 - 130
Toluene	93%	90%	4.1%	70 - 130	96%	70 - 130
Tetrachloroethene	102%	93%	8.8%	70 - 130	106%	70 - 130
Chlorobenzene	107%	104%	3.1%	70 - 130	110%	70 - 130
Ethylbenzene	95%	92%	3.4%	70 - 130	84%	70 - 130
1,2,4 Trimethylbenzene	90%	84%	6.4%	70 - 130	91%	70 - 130
Gasoline Range Organics	101%	95%	5.9%	70 - 130		
Surrogate Recovery:						
Dibromofluoromethane	69%	66%		60 - 140	66%	60 - 140
Toluene-d ₈	98%	94%		60 - 140	98%	60 - 140
4-Bromofluorobenzene	132%	134%		60 - 140	130%	60 - 140

MS = Matrix Spike

MSD = Matrix Spike Duplicate

RPD = Relative Percent Difference; Acceptability range for RPD is ≤ 15%



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11007 FOREST PLACE
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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/13/2016
JEL Ref. No.: ST-9297
Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front Street
Burbank, CA

Date Sampled: 5/5-6/2016
Date Received: 5/6/2016
Date Analyzed: 5/10-12/2016
Physical State: Soil

Sample ID: A11-1' **JEL ID:** ST-9297-01

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16050901	5/9/2016	5/10/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	196	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	15.8	1	"	"	"	0.5	mg/kg
Chromium, Cr	28.2	1	"	"	"	0.5	mg/kg
Copper, Cu	106	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	19.9	1	"	"	"	0.5	mg/kg
Lead, Pb	9.6	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	62.2	1	"	"	"	0.5	mg/kg
Zinc, Zn	161	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	ND	1	H16050901	5/9/2016	5/11/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/13/2016
JEL Ref. No.: ST-9297
Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front Street
Burbank, CA

Date Sampled: 5/5-6/2016
Date Received: 5/6/2016
Date Analyzed: 5/10-12/2016
Physical State: Soil

Sample ID: A11-4.5' **JEL ID:** ST-9297-02

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16050901	5/9/2016	5/10/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	126	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	11.6	1	"	"	"	0.5	mg/kg
Chromium, Cr	21.9	1	"	"	"	0.5	mg/kg
Copper, Cu	22.8	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	14.4	1	"	"	"	0.5	mg/kg
Lead, Pb	2.2	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	47.3	1	"	"	"	0.5	mg/kg
Zinc, Zn	49.3	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	ND	1	H16050901	5/9/2016	5/11/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/13/2016
JEL Ref. No.: ST-9297
Client Ref. No.: 11235.002

Attn: Robin Ferber

Project: SJ4 Burbank
Project Address: 777 N. Front Street
Burbank, CA

Date Sampled: 5/5-6/2016
Date Received: 5/6/2016
Date Analyzed: 5/10-12/2016
Physical State: Soil

Sample ID: A11-8.5' **JEL ID:** ST-9297-03

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16050901	5/9/2016	5/10/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	205	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	18.1	1	"	"	"	0.5	mg/kg
Chromium, Cr	31.6	1	"	"	"	0.5	mg/kg
Copper, Cu	31.3	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	22.3	1	"	"	"	0.5	mg/kg
Lead, Pb	3.1	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	67.0	1	"	"	"	0.5	mg/kg
Zinc, Zn	73.6	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	ND	1	H16050901	5/9/2016	5/11/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/13/2016
JEL Ref. No.: ST-9297
Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front Street
Burbank, CA

Date Sampled: 5/5-6/2016
Date Received: 5/6/2016
Date Analyzed: 5/10-12/2016
Physical State: Soil

Sample ID: A11-8.5'-D **JEL ID:** ST-9297-04

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16050901	5/9/2016	5/10/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	123	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	10.2	1	"	"	"	0.5	mg/kg
Chromium, Cr	19.1	1	"	"	"	0.5	mg/kg
Copper, Cu	23.2	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	13.2	1	"	"	"	0.5	mg/kg
Lead, Pb	1.5	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	42.8	1	"	"	"	0.5	mg/kg
Zinc, Zn	44.4	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	ND	1	H16050901	5/9/2016	5/11/2016	0.020	mg/kg

ND= Not Detected



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11007 FOREST PLACE
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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/13/2016
JEL Ref. No.: ST-9297
Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front Street
Burbank, CA

Date Sampled: 5/5-6/2016
Date Received: 5/6/2016
Date Analyzed: 5/10-12/2016
Physical State: Soil

Sample ID: A11-14.5' **JEL ID:** ST-9297-05

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16050901	5/9/2016	5/10/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	183	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	15.5	1	"	"	"	0.5	mg/kg
Chromium, Cr	28.0	1	"	"	"	0.5	mg/kg
Copper, Cu	30.7	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	19.2	1	"	"	"	0.5	mg/kg
Lead, Pb	2.8	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	60.2	1	"	"	"	0.5	mg/kg
Zinc, Zn	66.3	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	ND	1	H16050901	5/9/2016	5/11/2016	0.020	mg/kg

ND= Not Detected



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11007 FOREST PLACE
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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/13/2016
JEL Ref. No.: ST-9297
Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front Street
Burbank, CA

Date Sampled: 5/5-6/2016
Date Received: 5/6/2016
Date Analyzed: 5/10-12/2016
Physical State: Soil

Sample ID: A11-20.5' **JEL ID:** ST-9297-06

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16050901	5/9/2016	5/10/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	155	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	12.6	1	"	"	"	0.5	mg/kg
Chromium, Cr	21.9	1	"	"	"	0.5	mg/kg
Copper, Cu	26.3	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	15.2	1	"	"	"	0.5	mg/kg
Lead, Pb	2.3	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	49.1	1	"	"	"	0.5	mg/kg
Zinc, Zn	56.5	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	ND	1	H16050901	5/9/2016	5/11/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/13/2016
JEL Ref. No.: ST-9297
Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front Street
Burbank, CA

Date Sampled: 5/5-6/2016
Date Received: 5/6/2016
Date Analyzed: 5/10-12/2016
Physical State: Soil

Sample ID: A12-1' **JEL ID:** ST-9297-07

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16050901	5/9/2016	5/10/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	228	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	19.7	1	"	"	"	0.5	mg/kg
Chromium, Cr	33.5	1	"	"	"	0.5	mg/kg
Copper, Cu	38.9	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	25.6	1	"	"	"	0.5	mg/kg
Lead, Pb	6.8	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	72.9	1	"	"	"	0.5	mg/kg
Zinc, Zn	90.5	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	ND	1	H16050901	5/9/2016	5/11/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/13/2016
JEL Ref. No.: ST-9297
Client Ref. No.: 11235.002

Attn: Robin Ferber

Date Sampled: 5/5-6/2016

Project: SJ4 Burbank
Project Address: 777 N. Front Street
Burbank, CA

Date Received: 5/6/2016
Date Analyzed: 5/10-12/2016
Physical State: Soil

Sample ID: A12-5' **JEL ID:** ST-9297-08

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16050901	5/9/2016	5/10/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	246	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	20.6	1	"	"	"	0.5	mg/kg
Chromium, Cr	37.7	1	"	"	"	0.5	mg/kg
Copper, Cu	45.5	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	27.9	1	"	"	"	0.5	mg/kg
Lead, Pb	4.2	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	75.0	1	"	"	"	0.5	mg/kg
Zinc, Zn	79.2	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	ND	1	H16050901	5/9/2016	5/11/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/13/2016
JEL Ref. No.: ST-9297
Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front Street
Burbank, CA

Date Sampled: 5/5-6/2016
Date Received: 5/6/2016
Date Analyzed: 5/10-12/2016
Physical State: Soil

Sample ID: A12-11' **JEL ID:** ST-9297-09

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16051001	5/10/2016	5/11/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	241	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	20.0	1	"	"	"	0.5	mg/kg
Chromium, Cr	35.5	1	"	"	"	0.5	mg/kg
Copper, Cu	42.4	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	25.7	1	"	"	"	0.5	mg/kg
Lead, Pb	4.2	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	77.9	1	"	"	"	0.5	mg/kg
Zinc, Zn	84.5	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	ND	1	H16050901	5/9/2016	5/11/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/13/2016
JEL Ref. No.: ST-9297
Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front Street
Burbank, CA

Date Sampled: 5/5-6/2016
Date Received: 5/6/2016
Date Analyzed: 5/10-12/2016
Physical State: Soil

Sample ID: A12-17' **JEL ID:** ST-9297-10

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16051001	5/10/2016	5/11/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	226	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	17.1	1	"	"	"	0.5	mg/kg
Chromium, Cr	30.1	1	"	"	"	0.5	mg/kg
Copper, Cu	33.8	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	20.8	1	"	"	"	0.5	mg/kg
Lead, Pb	2.7	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	67.3	1	"	"	"	0.5	mg/kg
Zinc, Zn	71.5	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	ND	1	H16050901	5/9/2016	5/11/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
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Report date: 5/13/2016
JEL Ref. No.: ST-9297
Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front Street
Burbank, CA

Date Sampled: 5/5-6/2016
Date Received: 5/6/2016
Date Analyzed: 5/10-12/2016
Physical State: Soil

Sample ID: A13-1' **JEL ID:** ST-9297-11

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16051001	5/10/2016	5/11/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	210	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	17.6	1	"	"	"	0.5	mg/kg
Chromium, Cr	30.2	1	"	"	"	0.5	mg/kg
Copper, Cu	36.2	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	21.8	1	"	"	"	0.5	mg/kg
Lead, Pb	4.0	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	66.6	1	"	"	"	0.5	mg/kg
Zinc, Zn	77.5	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	ND	1	H16050901	5/9/2016	5/11/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/13/2016
JEL Ref. No.: ST-9297
Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front Street
Burbank, CA

Date Sampled: 5/5-6/2016
Date Received: 5/6/2016
Date Analyzed: 5/10-12/2016
Physical State: Soil

Sample ID: A13-5' **JEL ID:** ST-9297-12

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16051001	5/10/2016	5/11/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	248	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	21.0	1	"	"	"	0.5	mg/kg
Chromium, Cr	35.4	1	"	"	"	0.5	mg/kg
Copper, Cu	41.8	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	27.4	1	"	"	"	0.5	mg/kg
Lead, Pb	4.1	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	75.1	1	"	"	"	0.5	mg/kg
Zinc, Zn	81.8	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	ND	1	H16050901	5/9/2016	5/11/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/13/2016
JEL Ref. No.: ST-9297
Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front Street
Burbank, CA

Date Sampled: 5/5-6/2016
Date Received: 5/6/2016
Date Analyzed: 5/10-12/2016
Physical State: Soil

Sample ID: A13-11' **JEL ID:** ST-9297-13

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16051001	5/10/2016	5/11/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	211	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	18.5	1	"	"	"	0.5	mg/kg
Chromium, Cr	31.8	1	"	"	"	0.5	mg/kg
Copper, Cu	33.6	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	22.8	1	"	"	"	0.5	mg/kg
Lead, Pb	3.2	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	68.4	1	"	"	"	0.5	mg/kg
Zinc, Zn	76.7	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	ND	1	H16051001	5/10/2016	5/11/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/13/2016
JEL Ref. No.: ST-9297
Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front Street
Burbank, CA

Date Sampled: 5/5-6/2016
Date Received: 5/6/2016
Date Analyzed: 5/10-12/2016
Physical State: Soil

Sample ID: A13-17' **JEL ID:** ST-9297-14

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16051001	5/10/2016	5/11/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	138	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	13.5	1	"	"	"	0.5	mg/kg
Chromium, Cr	26.0	1	"	"	"	0.5	mg/kg
Copper, Cu	23.7	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	16.0	1	"	"	"	0.5	mg/kg
Lead, Pb	2.1	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	58.7	1	"	"	"	0.5	mg/kg
Zinc, Zn	57.6	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	ND	1	H16051001	5/10/2016	5/11/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/13/2016
JEL Ref. No.: ST-9297
Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front Street
Burbank, CA

Date Sampled: 5/5-6/2016
Date Received: 5/6/2016
Date Analyzed: 5/10-12/2016
Physical State: Soil

Sample ID: B11-1' **JEL ID:** ST-9297-15

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16051001	5/10/2016	5/11/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	152	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	12.7	1	"	"	"	0.5	mg/kg
Chromium, Cr	22.3	1	"	"	"	0.5	mg/kg
Copper, Cu	29.4	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	15.9	1	"	"	"	0.5	mg/kg
Lead, Pb	3.3	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	50.0	1	"	"	"	0.5	mg/kg
Zinc, Zn	122	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	ND	1	H16051001	5/10/2016	5/11/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/13/2016
JEL Ref. No.: ST-9297
Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front Street
Burbank, CA

Date Sampled: 5/5-6/2016
Date Received: 5/6/2016
Date Analyzed: 5/10-12/2016
Physical State: Soil

Sample ID: B11-4.5' **JEL ID:** ST-9297-16

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16051001	5/10/2016	5/11/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	206	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	17.1	1	"	"	"	0.5	mg/kg
Chromium, Cr	30.2	1	"	"	"	0.5	mg/kg
Copper, Cu	30.5	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	20.7	1	"	"	"	0.5	mg/kg
Lead, Pb	2.8	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	64.8	1	"	"	"	0.5	mg/kg
Zinc, Zn	77.6	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	ND	1	H16051001	5/10/2016	5/11/2016	0.020	mg/kg

ND= Not Detected



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562-646-1611
805-399-0060

11007 FOREST PLACE
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Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/13/2016
JEL Ref. No.: ST-9297
Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front Street
Burbank, CA

Date Sampled: 5/5-6/2016
Date Received: 5/6/2016
Date Analyzed: 5/10-12/2016
Physical State: Soil

Sample ID: B11-8.5' **JEL ID:** ST-9297-17

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16051001	5/10/2016	5/11/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	221	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	18.7	1	"	"	"	0.5	mg/kg
Chromium, Cr	33.9	1	"	"	"	0.5	mg/kg
Copper, Cu	42.7	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	24.6	1	"	"	"	0.5	mg/kg
Lead, Pb	3.1	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	71.7	1	"	"	"	0.5	mg/kg
Zinc, Zn	77.0	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	ND	1	H16051001	5/10/2016	5/11/2016	0.020	mg/kg

ND= Not Detected



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Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/13/2016
JEL Ref. No.: ST-9297
Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front Street
Burbank, CA

Date Sampled: 5/5-6/2016
Date Received: 5/6/2016
Date Analyzed: 5/10-12/2016
Physical State: Soil

Sample ID: B11-14.5' **JEL ID:** ST-9297-18

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16051001	5/10/2016	5/11/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	199	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	17.8	1	"	"	"	0.5	mg/kg
Chromium, Cr	31.6	1	"	"	"	0.5	mg/kg
Copper, Cu	32.6	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	21.4	1	"	"	"	0.5	mg/kg
Lead, Pb	3.2	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	67.3	1	"	"	"	0.5	mg/kg
Zinc, Zn	77.7	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	ND	1	H16051001	5/10/2016	5/11/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/13/2016
JEL Ref. No.: ST-9297
Client Ref. No.: 11235.002

Attn: Robin Ferber

Project: SJ4 Burbank
Project Address: 777 N. Front Street
Burbank, CA

Date Sampled: 5/5-6/2016
Date Received: 5/6/2016
Date Analyzed: 5/10-12/2016
Physical State: Soil

Sample ID: B11-20.5' **JEL ID:** ST-9297-19

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16051001	5/10/2016	5/11/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	174	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	14.8	1	"	"	"	0.5	mg/kg
Chromium, Cr	24.7	1	"	"	"	0.5	mg/kg
Copper, Cu	28.8	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	17.3	1	"	"	"	0.5	mg/kg
Lead, Pb	1.8	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	59.8	1	"	"	"	0.5	mg/kg
Zinc, Zn	61.5	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	ND	1	H16051001	5/10/2016	5/11/2016	0.020	mg/kg

ND= Not Detected



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Report date: 5/13/2016
JEL Ref. No.: ST-9297
Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front Street
Burbank, CA

Date Sampled: 5/5-6/2016
Date Received: 5/6/2016
Date Analyzed: 5/10-12/2016
Physical State: Soil

Sample ID: B12-1' **JEL ID:** ST-9297-20

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16051001	5/10/2016	5/11/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	221	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	21.3	1	"	"	"	0.5	mg/kg
Chromium, Cr	32.8	1	"	"	"	0.5	mg/kg
Copper, Cu	35.6	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	23.4	1	"	"	"	0.5	mg/kg
Lead, Pb	5.8	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	73.1	1	"	"	"	0.5	mg/kg
Zinc, Zn	86.3	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	ND	1	H16051001	5/10/2016	5/11/2016	0.020	mg/kg

ND= Not Detected



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Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front Street
Burbank, CA

Date Sampled: 5/5-6/2016
Date Received: 5/6/2016
Date Analyzed: 5/10-12/2016
Physical State: Soil

Sample ID: B12-5' **JEL ID:** ST-9297-21

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16051001	5/10/2016	5/11/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	218	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	18.2	1	"	"	"	0.5	mg/kg
Chromium, Cr	32.4	1	"	"	"	0.5	mg/kg
Copper, Cu	34.3	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	23.3	1	"	"	"	0.5	mg/kg
Lead, Pb	3.1	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	68.0	1	"	"	"	0.5	mg/kg
Zinc, Zn	75.4	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	ND	1	H16051001	5/10/2016	5/11/2016	0.020	mg/kg

ND= Not Detected



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Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/13/2016
JEL Ref. No.: ST-9297
Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front Street
Burbank, CA

Date Sampled: 5/5-6/2016
Date Received: 5/6/2016
Date Analyzed: 5/10-12/2016
Physical State: Soil

Sample ID: B12-5'D **JEL ID:** ST-9297-22

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16051001	5/10/2016	5/11/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	252	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	19.5	1	"	"	"	0.5	mg/kg
Chromium, Cr	34.5	1	"	"	"	0.5	mg/kg
Copper, Cu	37.2	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	24.7	1	"	"	"	0.5	mg/kg
Lead, Pb	3.4	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	72.9	1	"	"	"	0.5	mg/kg
Zinc, Zn	79.9	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	ND	1	H16051001	5/10/2016	5/11/2016	0.020	mg/kg

ND= Not Detected



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Report date: 5/13/2016
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Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front Street
Burbank, CA

Date Sampled: 5/5-6/2016
Date Received: 5/6/2016
Date Analyzed: 5/10-12/2016
Physical State: Soil

Sample ID: B12-11' **JEL ID:** ST-9297-23

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16051001	5/10/2016	5/11/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	218	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	18.8	1	"	"	"	0.5	mg/kg
Chromium, Cr	34.2	1	"	"	"	0.5	mg/kg
Copper, Cu	36.0	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	23.3	1	"	"	"	0.5	mg/kg
Lead, Pb	2.7	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	70.3	1	"	"	"	0.5	mg/kg
Zinc, Zn	78.6	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	ND	1	H16051001	5/10/2016	5/11/2016	0.020	mg/kg

ND= Not Detected



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Project Address: 777 N. Front Street
Burbank, CA

Date Sampled: 5/5-6/2016
Date Received: 5/6/2016
Date Analyzed: 5/10-12/2016
Physical State: Soil

Sample ID: B12-17' **JEL ID:** ST-9297-24

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16051001	5/10/2016	5/11/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	198	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	17.2	1	"	"	"	0.5	mg/kg
Chromium, Cr	30.3	1	"	"	"	0.5	mg/kg
Copper, Cu	31.1	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	20.6	1	"	"	"	0.5	mg/kg
Lead, Pb	2.6	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	68.7	1	"	"	"	0.5	mg/kg
Zinc, Zn	73.8	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	ND	1	H16051001	5/10/2016	5/11/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

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Report date: 5/13/2016
JEL Ref. No.: ST-9297
Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front Street
Burbank, CA

Date Sampled: 5/5-6/2016
Date Received: 5/6/2016
Date Analyzed: 5/10-12/2016
Physical State: Soil

Sample ID: B13-1' **JEL ID:** ST-9297-25

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16051001	5/10/2016	5/11/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	181	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	16.1	1	"	"	"	0.5	mg/kg
Chromium, Cr	30.7	1	"	"	"	0.5	mg/kg
Copper, Cu	29.8	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	19.2	1	"	"	"	0.5	mg/kg
Lead, Pb	8.5	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	65.3	1	"	"	"	0.5	mg/kg
Zinc, Zn	83.1	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	ND	1	H16051001	5/10/2016	5/11/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/13/2016
JEL Ref. No.: ST-9297
Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front Street
Burbank, CA

Date Sampled: 5/5-6/2016
Date Received: 5/6/2016
Date Analyzed: 5/10-12/2016
Physical State: Soil

Sample ID: B13-5' **JEL ID:** ST-9297-26

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16051001	5/10/2016	5/11/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	226	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	20.9	1	"	"	"	0.5	mg/kg
Chromium, Cr	35.3	1	"	"	"	0.5	mg/kg
Copper, Cu	48.2	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	28.3	1	"	"	"	0.5	mg/kg
Lead, Pb	10.6	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	75.3	1	"	"	"	0.5	mg/kg
Zinc, Zn	236	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	ND	1	H16051001	5/10/2016	5/11/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/13/2016
JEL Ref. No.: ST-9297
Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front Street
Burbank, CA

Date Sampled: 5/5-6/2016
Date Received: 5/6/2016
Date Analyzed: 5/10-12/2016
Physical State: Soil

Sample ID: B13-11' **JEL ID:** ST-9297-27

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16051001	5/10/2016	5/11/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	226	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	20.6	1	"	"	"	0.5	mg/kg
Chromium, Cr	32.8	1	"	"	"	0.5	mg/kg
Copper, Cu	37.0	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	24.3	1	"	"	"	0.5	mg/kg
Lead, Pb	3.2	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	71.1	1	"	"	"	0.5	mg/kg
Zinc, Zn	82.0	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	ND	1	H16051001	5/10/2016	5/11/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/13/2016
JEL Ref. No.: ST-9297
Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front Street
Burbank, CA

Date Sampled: 5/5-6/2016
Date Received: 5/6/2016
Date Analyzed: 5/10-12/2016
Physical State: Soil

Sample ID: B13-17' **JEL ID:** ST-9297-28

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16051001	5/10/2016	5/11/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	204	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	17.6	1	"	"	"	0.5	mg/kg
Chromium, Cr	28.2	1	"	"	"	0.5	mg/kg
Copper, Cu	30.2	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	20.5	1	"	"	"	0.5	mg/kg
Lead, Pb	2.6	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	65.8	1	"	"	"	0.5	mg/kg
Zinc, Zn	69.3	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	ND	1	H16051001	5/10/2016	5/11/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/13/2016
JEL Ref. No.: ST-9297
Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front Street
Burbank, CA

Date Sampled: 5/5-6/2016
Date Received: 5/6/2016
Date Analyzed: 5/10-12/2016
Physical State: Soil

Sample ID: B14-1' **JEL ID:** ST-9297-29

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16051002	5/10/2016	5/11/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	88.8	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	15.2	1	"	"	"	0.5	mg/kg
Chromium, Cr	52.2	1	"	"	"	0.5	mg/kg
Copper, Cu	26.5	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	28.5	1	"	"	"	0.5	mg/kg
Lead, Pb	23.9	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	60.8	1	"	"	"	0.5	mg/kg
Zinc, Zn	68.8	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	ND	1	H16051001	5/10/2016	5/11/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/13/2016
JEL Ref. No.: ST-9297
Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front Street
Burbank, CA

Date Sampled: 5/5-6/2016
Date Received: 5/6/2016
Date Analyzed: 5/10-12/2016
Physical State: Soil

Sample ID: B14-5' **JEL ID:** ST-9297-30

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16051002	5/10/2016	5/11/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	84.3	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	5.6	1	"	"	"	0.5	mg/kg
Chromium, Cr	6.7	1	"	"	"	0.5	mg/kg
Copper, Cu	10.3	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	2.3	1	"	"	"	0.5	mg/kg
Lead, Pb	ND	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	38.7	1	"	"	"	0.5	mg/kg
Zinc, Zn	21.7	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	ND	1	H16051001	5/10/2016	5/11/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/13/2016
JEL Ref. No.: ST-9297
Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front Street
Burbank, CA

Date Sampled: 5/5-6/2016
Date Received: 5/6/2016
Date Analyzed: 5/10-12/2016
Physical State: Soil

Sample ID: B14-11' **JEL ID:** ST-9297-31

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16051002	5/10/2016	5/11/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	179	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	15.2	1	"	"	"	0.5	mg/kg
Chromium, Cr	26.7	1	"	"	"	0.5	mg/kg
Copper, Cu	28.8	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	18.9	1	"	"	"	0.5	mg/kg
Lead, Pb	2.1	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	57.1	1	"	"	"	0.5	mg/kg
Zinc, Zn	63.5	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	ND	1	H16051001	5/10/2016	5/11/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/13/2016
JEL Ref. No.: ST-9297
Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front Street
Burbank, CA

Date Sampled: 5/5-6/2016
Date Received: 5/6/2016
Date Analyzed: 5/10-12/2016
Physical State: Soil

Sample ID: B14-17' **JEL ID:** ST-9297-32

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16051002	5/10/2016	5/11/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	190	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	15.8	1	"	"	"	0.5	mg/kg
Chromium, Cr	30.6	1	"	"	"	0.5	mg/kg
Copper, Cu	30.9	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	20.2	1	"	"	"	0.5	mg/kg
Lead, Pb	3.0	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	63.1	1	"	"	"	0.5	mg/kg
Zinc, Zn	68.5	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	ND	1	H16051001	5/10/2016	5/11/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/13/2016
JEL Ref. No.: ST-9297
Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front Street
Burbank, CA

Date Sampled: 5/5-6/2016
Date Received: 5/6/2016
Date Analyzed: 5/10-12/2016
Physical State: Soil

Sample ID: B15-1' **JEL ID:** ST-9297-33

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16051002	5/10/2016	5/11/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	47.5	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	16.0	1	"	"	"	0.5	mg/kg
Chromium, Cr	45.4	1	"	"	"	0.5	mg/kg
Copper, Cu	19.5	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	27.5	1	"	"	"	0.5	mg/kg
Lead, Pb	7.8	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	51.6	1	"	"	"	0.5	mg/kg
Zinc, Zn	52.6	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	ND	1	H16051001	5/10/2016	5/11/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/13/2016
JEL Ref. No.: ST-9297
Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front Street
Burbank, CA

Date Sampled: 5/5-6/2016
Date Received: 5/6/2016
Date Analyzed: 5/10-12/2016
Physical State: Soil

Sample ID: B15-4' **JEL ID:** ST-9297-34

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16051002	5/10/2016	5/11/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	253	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	13.0	1	"	"	"	0.5	mg/kg
Chromium, Cr	24.4	1	"	"	"	0.5	mg/kg
Copper, Cu	23.8	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	24.3	1	"	"	"	0.5	mg/kg
Lead, Pb	6.2	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	69.2	1	"	"	"	0.5	mg/kg
Zinc, Zn	62.4	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	0.042	1	H16051101	5/11/2016	5/11/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/13/2016
JEL Ref. No.: ST-9297
Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front Street
Burbank, CA

Date Sampled: 5/5-6/2016
Date Received: 5/6/2016
Date Analyzed: 5/10-12/2016
Physical State: Soil

Sample ID: B15-5' **JEL ID:** ST-9297-35

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16051002	5/10/2016	5/11/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	130	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	6.9	1	"	"	"	0.5	mg/kg
Chromium, Cr	27.8	1	"	"	"	0.5	mg/kg
Copper, Cu	15.5	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	20.5	1	"	"	"	0.5	mg/kg
Lead, Pb	3.6	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	48.8	1	"	"	"	0.5	mg/kg
Zinc, Zn	35.1	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	ND	1	H16051101	5/11/2016	5/11/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/13/2016
JEL Ref. No.: ST-9297
Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front Street
Burbank, CA

Date Sampled: 5/5-6/2016
Date Received: 5/6/2016
Date Analyzed: 5/10-12/2016
Physical State: Soil

Sample ID: LB1-1' **JEL ID:** ST-9297-36

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16051002	5/10/2016	5/11/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	148	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	12.8	1	"	"	"	0.5	mg/kg
Chromium, Cr	24.9	1	"	"	"	0.5	mg/kg
Copper, Cu	26.1	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	17.1	1	"	"	"	0.5	mg/kg
Lead, Pb	5.6	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	46.7	1	"	"	"	0.5	mg/kg
Zinc, Zn	65.9	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	ND	1	H16051101	5/11/2016	5/11/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/13/2016
JEL Ref. No.: ST-9297
Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front Street
Burbank, CA

Date Sampled: 5/5-6/2016
Date Received: 5/6/2016
Date Analyzed: 5/10-12/2016
Physical State: Soil

Sample ID: LB1-4.5' **JEL ID:** ST-9297-37

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16051002	5/10/2016	5/11/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	145	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	13.1	1	"	"	"	0.5	mg/kg
Chromium, Cr	22.8	1	"	"	"	0.5	mg/kg
Copper, Cu	26.9	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	15.4	1	"	"	"	0.5	mg/kg
Lead, Pb	4.1	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	51.7	1	"	"	"	0.5	mg/kg
Zinc, Zn	60.9	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	ND	1	H16051101	5/11/2016	5/11/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/13/2016
JEL Ref. No.: ST-9297
Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front Street
Burbank, CA

Date Sampled: 5/5-6/2016
Date Received: 5/6/2016
Date Analyzed: 5/10-12/2016
Physical State: Soil

Sample ID: LB1-8.5' **JEL ID:** ST-9297-38

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16051002	5/10/2016	5/11/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	210	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	17.2	1	"	"	"	0.5	mg/kg
Chromium, Cr	28.7	1	"	"	"	0.5	mg/kg
Copper, Cu	28.5	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	20.6	1	"	"	"	0.5	mg/kg
Lead, Pb	2.0	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	62.5	1	"	"	"	0.5	mg/kg
Zinc, Zn	74.7	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	ND	1	H16051101	5/11/2016	5/11/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/13/2016
JEL Ref. No.: ST-9297
Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front Street
Burbank, CA

Date Sampled: 5/5-6/2016
Date Received: 5/6/2016
Date Analyzed: 5/10-12/2016
Physical State: Soil

Sample ID: LB1-14.5' **JEL ID:** ST-9297-39

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16051002	5/10/2016	5/11/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	212	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	19.7	1	"	"	"	0.5	mg/kg
Chromium, Cr	31.4	1	"	"	"	0.5	mg/kg
Copper, Cu	44.6	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	23.3	1	"	"	"	0.5	mg/kg
Lead, Pb	3.9	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	72.0	1	"	"	"	0.5	mg/kg
Zinc, Zn	82.0	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	ND	1	H16051101	5/11/2016	5/11/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/13/2016
JEL Ref. No.: ST-9297
Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front Street
Burbank, CA

Date Sampled: 5/5-6/2016
Date Received: 5/6/2016
Date Analyzed: 5/10-12/2016
Physical State: Soil

Sample ID: LB1-20.5' **JEL ID:** ST-9297-40

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16051002	5/10/2016	5/11/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	156	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	16.1	1	"	"	"	0.5	mg/kg
Chromium, Cr	26.0	1	"	"	"	0.5	mg/kg
Copper, Cu	35.9	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	19.1	1	"	"	"	0.5	mg/kg
Lead, Pb	6.0	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	58.8	1	"	"	"	0.5	mg/kg
Zinc, Zn	68.3	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	0.024	1	H16051101	5/11/2016	5/11/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/13/2016
JEL Ref. No.: ST-9297
Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front Street
Burbank, CA

Date Sampled: 5/5-6/2016
Date Received: 5/6/2016
Date Analyzed: 5/10-12/2016
Physical State: Soil

Sample ID: LB2-1' **JEL ID:** ST-9297-41

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16051002	5/10/2016	5/11/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	59.5	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	4.5	1	"	"	"	0.5	mg/kg
Chromium, Cr	7.0	1	"	"	"	0.5	mg/kg
Copper, Cu	9.3	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	14.0	1	"	"	"	0.5	mg/kg
Lead, Pb	0.8	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	37.5	1	"	"	"	0.5	mg/kg
Zinc, Zn	27.4	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	ND	1	H16051101	5/11/2016	5/11/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/13/2016
JEL Ref. No.: ST-9297
Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front Street
Burbank, CA

Date Sampled: 5/5-6/2016
Date Received: 5/6/2016
Date Analyzed: 5/10-12/2016
Physical State: Soil

Sample ID: LB2-4.5' **JEL ID:** ST-9297-42

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16051002	5/10/2016	5/11/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	246	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	19.2	1	"	"	"	0.5	mg/kg
Chromium, Cr	8.1	1	"	"	"	0.5	mg/kg
Copper, Cu	17.9	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	8.2	1	"	"	"	0.5	mg/kg
Lead, Pb	1.4	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	83.8	1	"	"	"	0.5	mg/kg
Zinc, Zn	58.6	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	ND	1	H16051101	5/11/2016	5/11/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/13/2016
JEL Ref. No.: ST-9297
Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front Street
Burbank, CA

Date Sampled: 5/5-6/2016
Date Received: 5/6/2016
Date Analyzed: 5/10-12/2016
Physical State: Soil

Sample ID: LB2-8.5' **JEL ID:** ST-9297-43

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16051002	5/10/2016	5/11/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	188	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	17.3	1	"	"	"	0.5	mg/kg
Chromium, Cr	27.4	1	"	"	"	0.5	mg/kg
Copper, Cu	30.7	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	17.9	1	"	"	"	0.5	mg/kg
Lead, Pb	2.7	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	65.6	1	"	"	"	0.5	mg/kg
Zinc, Zn	71.5	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	ND	1	H16051101	5/11/2016	5/11/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/13/2016
JEL Ref. No.: ST-9297
Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front Street
Burbank, CA

Date Sampled: 5/5-6/2016
Date Received: 5/6/2016
Date Analyzed: 5/10-12/2016
Physical State: Soil

Sample ID: LB2-14.5' **JEL ID:** ST-9297-44

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16051002	5/10/2016	5/11/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	191	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	17.5	1	"	"	"	0.5	mg/kg
Chromium, Cr	28.2	1	"	"	"	0.5	mg/kg
Copper, Cu	30.7	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	20.6	1	"	"	"	0.5	mg/kg
Lead, Pb	2.6	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	64.8	1	"	"	"	0.5	mg/kg
Zinc, Zn	68.6	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	ND	1	H16051101	5/11/2016	5/11/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/13/2016
JEL Ref. No.: ST-9297
Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front Street
Burbank, CA

Date Sampled: 5/5-6/2016
Date Received: 5/6/2016
Date Analyzed: 5/10-12/2016
Physical State: Soil

Sample ID: LB2-20.5' **JEL ID:** ST-9297-45

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16051002	5/10/2016	5/11/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	250	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	21.6	1	"	"	"	0.5	mg/kg
Chromium, Cr	32.8	1	"	"	"	0.5	mg/kg
Copper, Cu	44.9	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	25.4	1	"	"	"	0.5	mg/kg
Lead, Pb	4.3	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	73.9	1	"	"	"	0.5	mg/kg
Zinc, Zn	83.2	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	ND	1	H16051101	5/11/2016	5/11/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/13/2016
JEL Ref. No.: ST-9297
Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front Street
Burbank, CA

Date Sampled: 5/5-6/2016
Date Received: 5/6/2016
Date Analyzed: 5/10-12/2016
Physical State: Soil

Sample ID: LB3-1' **JEL ID:** ST-9297-46

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16051101	5/11/2016	5/11/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	146	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	11.0	1	"	"	"	0.5	mg/kg
Chromium, Cr	26.4	1	"	"	"	0.5	mg/kg
Copper, Cu	64.4	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	15.6	1	"	"	"	0.5	mg/kg
Lead, Pb	40.3	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	41.0	1	"	"	"	0.5	mg/kg
Zinc, Zn	985	10	"	"	"	5.0	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	ND	1	H16051101	5/11/2016	5/11/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/13/2016
JEL Ref. No.: ST-9297
Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front Street
Burbank, CA

Date Sampled: 5/5-6/2016
Date Received: 5/6/2016
Date Analyzed: 5/10-12/2016
Physical State: Soil

Sample ID: LB3-1'-D **JEL ID:** ST-9297-47

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16051101	5/11/2016	5/11/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	194	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	16.2	1	"	"	"	0.5	mg/kg
Chromium, Cr	28.7	1	"	"	"	0.5	mg/kg
Copper, Cu	37.2	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	21.2	1	"	"	"	0.5	mg/kg
Lead, Pb	5.4	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	63.1	1	"	"	"	0.5	mg/kg
Zinc, Zn	104	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	ND	1	H16051101	5/11/2016	5/11/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/13/2016
JEL Ref. No.: ST-9297
Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front Street
Burbank, CA

Date Sampled: 5/5-6/2016
Date Received: 5/6/2016
Date Analyzed: 5/10-12/2016
Physical State: Soil

Sample ID: LB3-4.5' **JEL ID:** ST-9297-48

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16051101	5/11/2016	5/11/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	184	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	17.5	1	"	"	"	0.5	mg/kg
Chromium, Cr	32.4	1	"	"	"	0.5	mg/kg
Copper, Cu	38.3	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	24.0	1	"	"	"	0.5	mg/kg
Lead, Pb	4.2	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	66.3	1	"	"	"	0.5	mg/kg
Zinc, Zn	77.2	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	ND	1	H16051101	5/11/2016	5/11/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/13/2016
JEL Ref. No.: ST-9297
Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front Street
Burbank, CA

Date Sampled: 5/5-6/2016
Date Received: 5/6/2016
Date Analyzed: 5/10-12/2016
Physical State: Soil

Sample ID: LB3-8.5' **JEL ID:** ST-9297-49

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16051101	5/11/2016	5/11/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	94.4	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	6.3	1	"	"	"	0.5	mg/kg
Chromium, Cr	6.6	1	"	"	"	0.5	mg/kg
Copper, Cu	6.8	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	5.1	1	"	"	"	0.5	mg/kg
Lead, Pb	0.9	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	22.0	1	"	"	"	0.5	mg/kg
Zinc, Zn	56.4	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	0.046	1	H16051201	5/12/2016	5/12/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/13/2016
JEL Ref. No.: ST-9297
Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front Street
Burbank, CA

Date Sampled: 5/5-6/2016
Date Received: 5/6/2016
Date Analyzed: 5/10-12/2016
Physical State: Soil

Sample ID: LB3-14.5' **JEL ID:** ST-9297-50

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16051101	5/11/2016	5/11/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	162	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	13.9	1	"	"	"	0.5	mg/kg
Chromium, Cr	22.7	1	"	"	"	0.5	mg/kg
Copper, Cu	25.0	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	16.3	1	"	"	"	0.5	mg/kg
Lead, Pb	2.3	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	54.9	1	"	"	"	0.5	mg/kg
Zinc, Zn	57.9	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	0.021	1	H16051201	5/12/2016	5/12/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/13/2016
JEL Ref. No.: ST-9297
Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front Street
Burbank, CA

Date Sampled: 5/5-6/2016
Date Received: 5/6/2016
Date Analyzed: 5/10-12/2016
Physical State: Soil

Sample ID: LB3-20.5' **JEL ID:** ST-9297-51

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16051101	5/11/2016	5/11/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	173	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	16.9	1	"	"	"	0.5	mg/kg
Chromium, Cr	30.5	1	"	"	"	0.5	mg/kg
Copper, Cu	31.0	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	21.5	1	"	"	"	0.5	mg/kg
Lead, Pb	3.4	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	66.2	1	"	"	"	0.5	mg/kg
Zinc, Zn	71.5	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	ND	1	H16051101	5/11/2016	5/11/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/13/2016
JEL Ref. No.: ST-9297
Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front Street
Burbank, CA

Date Sampled: 5/5-6/2016
Date Received: 5/6/2016
Date Analyzed: 5/10-12/2016
Physical State: Soil

Sample ID: LB7-1' **JEL ID:** ST-9297-52

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16051101	5/11/2016	5/11/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	166	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	14.8	1	"	"	"	0.5	mg/kg
Chromium, Cr	24.7	1	"	"	"	0.5	mg/kg
Copper, Cu	25.8	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	17.4	1	"	"	"	0.5	mg/kg
Lead, Pb	5.2	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	53.4	1	"	"	"	0.5	mg/kg
Zinc, Zn	73.2	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	ND	1	H16051101	5/11/2016	5/11/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/13/2016
JEL Ref. No.: ST-9297
Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front Street
Burbank, CA

Date Sampled: 5/5-6/2016
Date Received: 5/6/2016
Date Analyzed: 5/10-12/2016
Physical State: Soil

Sample ID: LB7-5' **JEL ID:** ST-9297-53

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16051101	5/11/2016	5/11/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	201	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	16.2	1	"	"	"	0.5	mg/kg
Chromium, Cr	29.1	1	"	"	"	0.5	mg/kg
Copper, Cu	30.2	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	20.5	1	"	"	"	0.5	mg/kg
Lead, Pb	3.1	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	62.3	1	"	"	"	0.5	mg/kg
Zinc, Zn	74.5	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	ND	1	H16051102	5/11/2016	5/11/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/13/2016
JEL Ref. No.: ST-9297
Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front Street
Burbank, CA

Date Sampled: 5/5-6/2016
Date Received: 5/6/2016
Date Analyzed: 5/10-12/2016
Physical State: Soil

Sample ID: LB7-11' **JEL ID:** ST-9297-54

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16051101	5/11/2016	5/11/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	161	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	14.2	1	"	"	"	0.5	mg/kg
Chromium, Cr	27.3	1	"	"	"	0.5	mg/kg
Copper, Cu	26.8	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	18.8	1	"	"	"	0.5	mg/kg
Lead, Pb	2.4	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	56.9	1	"	"	"	0.5	mg/kg
Zinc, Zn	57.8	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	ND	1	H16051102	5/11/2016	5/11/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/13/2016
JEL Ref. No.: ST-9297
Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front Street
Burbank, CA

Date Sampled: 5/5-6/2016
Date Received: 5/6/2016
Date Analyzed: 5/10-12/2016
Physical State: Soil

Sample ID: LB7-17' **JEL ID:** ST-9297-55

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16051101	5/11/2016	5/11/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	165	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	13.1	1	"	"	"	0.5	mg/kg
Chromium, Cr	22.3	1	"	"	"	0.5	mg/kg
Copper, Cu	23.0	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	14.8	1	"	"	"	0.5	mg/kg
Lead, Pb	2.2	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	54.0	1	"	"	"	0.5	mg/kg
Zinc, Zn	54.1	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	ND	1	H16051102	5/11/2016	5/11/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/13/2016
JEL Ref. No.: ST-9297
Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front Street
Burbank, CA

Date Sampled: 5/5-6/2016
Date Received: 5/6/2016
Date Analyzed: 5/10-12/2016
Physical State: Soil

Sample ID: LB8-1' **JEL ID:** ST-9297-56

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16051101	5/11/2016	5/11/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	179	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	14.8	1	"	"	"	0.5	mg/kg
Chromium, Cr	27.7	1	"	"	"	0.5	mg/kg
Copper, Cu	29.4	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	19.1	1	"	"	"	0.5	mg/kg
Lead, Pb	8.2	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	58.1	1	"	"	"	0.5	mg/kg
Zinc, Zn	83.4	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	ND	1	H16051102	5/11/2016	5/11/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/13/2016
JEL Ref. No.: ST-9297
Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front Street
Burbank, CA

Date Sampled: 5/5-6/2016
Date Received: 5/6/2016
Date Analyzed: 5/10-12/2016
Physical State: Soil

Sample ID: LB8-5' **JEL ID:** ST-9297-57

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16051101	5/11/2016	5/11/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	227	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	20.0	1	"	"	"	0.5	mg/kg
Chromium, Cr	35.1	1	"	"	"	0.5	mg/kg
Copper, Cu	38.2	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	25.4	1	"	"	"	0.5	mg/kg
Lead, Pb	4.2	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	74.6	1	"	"	"	0.5	mg/kg
Zinc, Zn	82.0	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	0.062	1	H16051102	5/11/2016	5/11/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/13/2016
JEL Ref. No.: ST-9297
Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front Street
Burbank, CA

Date Sampled: 5/5-6/2016
Date Received: 5/6/2016
Date Analyzed: 5/10-12/2016
Physical State: Soil

Sample ID: LB8-11' **JEL ID:** ST-9297-58

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16051101	5/11/2016	5/11/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	211	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	16.4	1	"	"	"	0.5	mg/kg
Chromium, Cr	30.0	1	"	"	"	0.5	mg/kg
Copper, Cu	31.3	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	20.0	1	"	"	"	0.5	mg/kg
Lead, Pb	2.7	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	64.8	1	"	"	"	0.5	mg/kg
Zinc, Zn	71.7	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	0.023	1	H16051102	5/11/2016	5/11/2016	0.020	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton & Associates, Inc.
Client Address: 25570 Rye Canyon Road, Suite G
Santa Clarita, CA 91355

Report date: 5/13/2016
JEL Ref. No.: ST-9297
Client Ref. No.: 11235.002

Attn: Robin Ferber
Project: SJ4 Burbank
Project Address: 777 N. Front Street
Burbank, CA

Date Sampled: 5/5-6/2016
Date Received: 5/6/2016
Date Analyzed: 5/10-12/2016
Physical State: Soil

Sample ID: LB8-17' **JEL ID:** ST-9297-59

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Analytes:							
Silver, Ag	ND	1	I16051101	5/11/2016	5/11/2016	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	182	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	14.9	1	"	"	"	0.5	mg/kg
Chromium, Cr	25.8	1	"	"	"	0.5	mg/kg
Copper, Cu	26.9	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	17.4	1	"	"	"	0.5	mg/kg
Lead, Pb	2.4	1	"	"	"	0.5	mg/kg
Antimony, Sb	ND	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	61.1	1	"	"	"	0.5	mg/kg
Zinc, Zn	60.4	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
Mercury, Hg	ND	1	H16051102	5/11/2016	5/11/2016	0.020	mg/kg

ND= Not Detected



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11007 FOREST PLACE
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JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

Client:	Leighton & Associates, Inc.	Report date:	5/13/2016
Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	ST-9297
		Client Ref. No.:	11235.002
Attn:	Robin Ferber	Date Sampled:	5/5-6/2016
		Date Received:	5/6/2016
Project:	SJ4 Burbank	Date Analyzed:	5/10-12/2016
Project Address:	777 N. Front Street Burbank, CA	Physical State:	Soil

BATCH: I16050901 **Prepared:** 5/9/2016 **Analyzed:** 5/10/2016

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	Result	Spike Level	% REC	% REC Limits	% RPD	Practical Quantitation Limit	Units
METHOD BLANK:	I160509-BLK1						
Analytes:							
Silver, Ag	ND					0.5	mg/kg
Arsenic, As	ND					0.5	mg/kg
Barium, Ba	ND					0.5	mg/kg
Beryllium, Be	ND					0.5	mg/kg
Cadmium, Cd	ND					0.5	mg/kg
Cobalt, Co	ND					0.5	mg/kg
Chromium, Cr	ND					0.5	mg/kg
Copper, Cu	ND					0.5	mg/kg
Molybdenum, Mo	ND					0.5	mg/kg
Nickel, Ni	ND					0.5	mg/kg
Lead, Pb	ND					0.5	mg/kg
Antimony, Sb	ND					0.5	mg/kg
Selenium, Se	ND					0.5	mg/kg
Thallium, Tl	ND					0.5	mg/kg
Vanadium, V	ND					0.5	mg/kg
Zinc, Zn	ND					0.5	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

Client:	Leighton & Associates, Inc.	Report date:	5/13/2016
Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	ST-9297
		Client Ref. No.:	11235.002
Attn:	Robin Ferber	Date Sampled:	5/5-6/2016
		Date Received:	5/6/2016
Project:	SJ4 Burbank	Date Analyzed:	5/10-12/2016
Project Address:	777 N. Front Street Burbank, CA	Physical State:	Soil

BATCH: I16050901 **Prepared:** 5/9/2016 **Analyzed:** 5/10/2016

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	Result	Spike Level	Source Result	% REC	% RPD	% REC Limits	Units
LCS: I160509-LCS1							
Barium, Ba	210	200	ND	105%		75 - 125	mg/kg
Cobalt, Co	53.6	50.0	ND	107%		75 - 125	mg/kg
Lead, Pb	51.1	50.0	ND	102%		75 - 125	mg/kg
Selenium, Se	181	200	ND	91%		75 - 125	mg/kg
Zinc, Zn	58.3	50.0	ND	117%		75 - 125	mg/kg
LCS: I160509-LCSD1							
Barium, Ba	213	200	ND	106%	1.3%	75 - 125	mg/kg
Cobalt, Co	54.6	50.0	ND	109%	1.9%	75 - 125	mg/kg
Lead, Pb	51.4	50.0	ND	103%	0.6%	75 - 125	mg/kg
Selenium, Se	184	200	ND	92%	1.4%	75 - 125	mg/kg
Zinc, Zn	58.8	50.0	ND	118%	0.8%	75 - 125	mg/kg

ND= Not Detected

RPD = Relative Percent Difference; Acceptability range for RPD is $\leq 15\%$



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JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

Client:	Leighton & Associates, Inc.	Report date:	5/13/2016
Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	ST-9297
		Client Ref. No.:	11235.002
Attn:	Robin Ferber	Date Sampled:	5/5-6/2016
		Date Received:	5/6/2016
Project:	SJ4 Burbank	Date Analyzed:	5/10-12/2016
Project Address:	777 N. Front Street Burbank, CA	Physical State:	Soil

BATCH: I16051002 **Prepared:** 5/10/2016 **Analyzed:** 5/11/2016

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	Result	Spike Level	% REC	% REC Limits	% RPD	Practical Quantitation Limit	Units
METHOD BLANK:	I160510-BLK1						
Analytes:							
Silver, Ag	ND					0.5	mg/kg
Arsenic, As	ND					0.5	mg/kg
Barium, Ba	ND					0.5	mg/kg
Beryllium, Be	ND					0.5	mg/kg
Cadmium, Cd	ND					0.5	mg/kg
Cobalt, Co	ND					0.5	mg/kg
Chromium, Cr	ND					0.5	mg/kg
Copper, Cu	ND					0.5	mg/kg
Molybdenum, Mo	ND					0.5	mg/kg
Nickel, Ni	ND					0.5	mg/kg
Lead, Pb	ND					0.5	mg/kg
Antimony, Sb	ND					0.5	mg/kg
Selenium, Se	ND					0.5	mg/kg
Thallium, Tl	ND					0.5	mg/kg
Vanadium, V	ND					0.5	mg/kg
Zinc, Zn	ND					0.5	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

Client:	Leighton & Associates, Inc.	Report date:	5/13/2016
Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	ST-9297
		Client Ref. No.:	11235.002
Attn:	Robin Ferber	Date Sampled:	5/5-6/2016
		Date Received:	5/6/2016
Project:	SJ4 Burbank	Date Analyzed:	5/10-12/2016
Project Address:	777 N. Front Street Burbank, CA	Physical State:	Soil

BATCH: I16051002 **Prepared:** 5/10/2016 **Analyzed:** 5/11/2016

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	Result	Spike Level	Source Result	% REC	% RPD	% REC Limits	Units
LCS: I160510-LCS1							
Barium, Ba	204	200	ND	102%		75 - 125	mg/kg
Cobalt, Co	54.0	50.0	ND	108%		75 - 125	mg/kg
Lead, Pb	51.8	50.0	ND	104%		75 - 125	mg/kg
Selenium, Se	173	200	ND	86%		75 - 125	mg/kg
Zinc, Zn	52.6	50.0	ND	105%		75 - 125	mg/kg
LCSD: I160510-LCSD1							
Barium, Ba	204	200	ND	102%	0.1%	75 - 125	mg/kg
Cobalt, Co	54.0	50.0	ND	108%	0.0%	75 - 125	mg/kg
Lead, Pb	52.6	50.0	ND	105%	1.6%	75 - 125	mg/kg
Selenium, Se	176	200	ND	88%	1.8%	75 - 125	mg/kg
Zinc, Zn	51.5	50.0	ND	103%	2.2%	75 - 125	mg/kg

ND= Not Detected

RPD = Relative Percent Difference; Acceptability range for RPD is $\leq 15\%$



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JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

Client:	Leighton & Associates, Inc.	Report date:	5/13/2016
Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	ST-9297
		Client Ref. No.:	11235.002
Attn:	Robin Ferber	Date Sampled:	5/5-6/2016
		Date Received:	5/6/2016
Project:	SJ4 Burbank	Date Analyzed:	5/10-12/2016
Project Address:	777 N. Front Street Burbank, CA	Physical State:	Soil

BATCH: I16051101 **Prepared:** 5/11/2016 **Analyzed:** 5/11/2016

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	Result	Spike Level	% REC	% REC Limits	% RPD	Practical Quantitation Limit	Units
METHOD BLANK:	I160511-BLK1						
Analytes:							
Silver, Ag	ND					0.5	mg/kg
Arsenic, As	ND					0.5	mg/kg
Barium, Ba	ND					0.5	mg/kg
Beryllium, Be	ND					0.5	mg/kg
Cadmium, Cd	ND					0.5	mg/kg
Cobalt, Co	ND					0.5	mg/kg
Chromium, Cr	ND					0.5	mg/kg
Copper, Cu	ND					0.5	mg/kg
Molybdenum, Mo	ND					0.5	mg/kg
Nickel, Ni	ND					0.5	mg/kg
Lead, Pb	ND					0.5	mg/kg
Antimony, Sb	ND					0.5	mg/kg
Selenium, Se	ND					0.5	mg/kg
Thallium, Tl	ND					0.5	mg/kg
Vanadium, V	ND					0.5	mg/kg
Zinc, Zn	ND					0.5	mg/kg

ND= Not Detected



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JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

Client:	Leighton & Associates, Inc.	Report date:	5/13/2016
Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	ST-9297
		Client Ref. No.:	11235.002
Attn:	Robin Ferber	Date Sampled:	5/5-6/2016
		Date Received:	5/6/2016
Project:	SJ4 Burbank	Date Analyzed:	5/10-12/2016
Project Address:	777 N. Front Street Burbank, CA	Physical State:	Soil

BATCH: I16051101 **Prepared:** 5/11/2016 **Analyzed:** 5/11/2016

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	Result	Spike Level	Source Result	% REC	% RPD	% REC Limits	Units
LCS: I160511-LCS1							
Barium, Ba	213	200	ND	106%		75 - 125	mg/kg
Cobalt, Co	54.8	50.0	ND	110%		75 - 125	mg/kg
Lead, Pb	54.9	50.0	ND	110%		75 - 125	mg/kg
Selenium, Se	186	200	ND	93%		75 - 125	mg/kg
Zinc, Zn	54.3	50.0	ND	109%		75 - 125	mg/kg
LCSD: I160511-LCSD1							
Barium, Ba	208	200	ND	104%	2.2%	75 - 125	mg/kg
Cobalt, Co	53.6	50.0	ND	107%	2.2%	75 - 125	mg/kg
Lead, Pb	53.5	50.0	ND	107%	2.5%	75 - 125	mg/kg
Selenium, Se	182	200	ND	91%	2.1%	75 - 125	mg/kg
Zinc, Zn	54.5	50.0	ND	109%	0.4%	75 - 125	mg/kg

ND= Not Detected

RPD = Relative Percent Difference; Acceptability range for RPD is $\leq 15\%$



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JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

Client:	Leighton & Associates, Inc.	Report date:	5/13/2016
Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	ST-9297
		Client Ref. No.:	11235.002
Attn:	Robin Ferber	Date Sampled:	5/5-6/2016
		Date Received:	5/6/2016
Project:	SJ4 Burbank	Date Analyzed:	5/10-12/2016
Project Address:	777 N. Front Street Burbank, CA	Physical State:	Soil

BATCH: H16050901 **Prepared:** 5/9/2016 **Analyzed:** 5/11/2016

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	Result	Spike Level	Source Result	% REC	% RPD	% REC Limits	Units
METHOD BLANK:	H160509-BLK1						
Analytes:							
Mercury, Hg	ND						mg/kg
LCS:	H160509-LCS1						
Mercury, Hg	1.03	1.00	ND	103%		75 - 125	mg/kg
LCSD:	H160509-LCSD1						
Mercury, Hg	1.04	1.00	ND	104%	1.0%	75 - 125	mg/kg

ND= Not Detected

RPD = Relative Percent Difference; Acceptability range for RPD is ≤ 15%



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JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

Client:	Leighton & Associates, Inc.	Report date:	5/13/2016
Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	ST-9297
		Client Ref. No.:	11235.002
Attn:	Robin Ferber	Date Sampled:	5/5-6/2016
Project:	SJ4 Burbank	Date Received:	5/6/2016
Project Address:	777 N. Front Street Burbank, CA	Date Analyzed:	5/10-12/2016
		Physical State:	Soil

BATCH: H16051001 **Prepared:** 5/10/2016 **Analyzed:** 5/11/2016

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	Result	Spike Level	Source Result	% REC	% RPD	% REC Limits	Units
METHOD BLANK:	H160510-BLK1						
Analytes:							
Mercury, Hg	ND						mg/kg
LCS:	H160510-LCS1						
Mercury, Hg	0.98	1.00	ND	98%		75 - 125	mg/kg
LCSD:	H160510-LCSD1						
Mercury, Hg	1.01	1.00	ND	101%	2.3%	75 - 125	mg/kg

ND= Not Detected

RPD = Relative Percent Difference; Acceptability range for RPD is ≤ 15%



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JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

Client:	Leighton & Associates, Inc.	Report date:	5/13/2016
Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	ST-9297
		Client Ref. No.:	11235.002
Attn:	Robin Ferber	Date Sampled:	5/5-6/2016
		Date Received:	5/6/2016
Project:	SJ4 Burbank	Date Analyzed:	5/10-12/2016
Project Address:	777 N. Front Street Burbank, CA	Physical State:	Soil

BATCH: H16051101 **Prepared:** 5/11/2016 **Analyzed:** 5/11/2016

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	Result	Spike Level	Source Result	% REC	% RPD	% REC Limits	Units
METHOD BLANK:	H160511-BLK1						
Analytes:							
Mercury, Hg	ND						mg/kg
LCS:	H160511-LCS1						
Mercury, Hg	0.95	1.00	ND	95%		75 - 125	mg/kg
LCSD:	H160511-LCSD1						
Mercury, Hg	0.94	1.00	ND	94%	1.7%	75 - 125	mg/kg

ND= Not Detected

RPD = Relative Percent Difference; Acceptability range for RPD is ≤ 15%



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JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

Client:	Leighton & Associates, Inc.	Report date:	5/13/2016
Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	ST-9297
		Client Ref. No.:	11235.002
Attn:	Robin Ferber	Date Sampled:	5/5-6/2016
		Date Received:	5/6/2016
Project:	SJ4 Burbank	Date Analyzed:	5/10-12/2016
Project Address:	777 N. Front Street Burbank, CA	Physical State:	Soil

BATCH: H16051102 **Prepared:** 5/11/2016 **Analyzed:** 5/11/2016

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	Result	Spike Level	Source Result	% REC	% RPD	% REC Limits	Units
METHOD BLANK:	H160511-BLK2						
Analytes:							
Mercury, Hg	ND						mg/kg
LCS:	H160511-LCS2						
Mercury, Hg	0.87	1.00	ND	87%		75 - 125	mg/kg
LCSD:	H160511-LCSD2						
Mercury, Hg	0.91	1.00	ND	91%	4.6%	75 - 125	mg/kg

ND= Not Detected

RPD = Relative Percent Difference; Acceptability range for RPD is ≤ 15%



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JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

Client:	Leighton & Associates, Inc.	Report date:	5/13/2016
Client Address:	25570 Rye Canyon Road, Suite G Santa Clarita, CA 91355	JEL Ref. No.:	ST-9297
		Client Ref. No.:	11235.002
Attn:	Robin Ferber	Date Sampled:	5/5-6/2016
		Date Received:	5/6/2016
Project:	SJ4 Burbank	Date Analyzed:	5/10-12/2016
Project Address:	777 N. Front Street Burbank, CA	Physical State:	Soil

BATCH: H16051201 **Prepared:** 5/12/2016 **Analyzed:** 5/12/2016

EPA 7471A - Mercury by Cold Vapor Atomic Absorption

	Result	Spike Level	Source Result	% REC	% RPD	% REC Limits	Units
METHOD BLANK:	H160512-BLK1						
Analytes:							
Mercury, Hg	ND						mg/kg
LCS:	H160512-LCS1						
Mercury, Hg	0.87	1.00	ND	87%		75 - 125	mg/kg
LCSD:	H160512-LCSD1						
Mercury, Hg	0.91	1.00	ND	91%	4.6%	75 - 125	mg/kg

ND= Not Detected

RPD = Relative Percent Difference; Acceptability range for RPD is ≤ 15%



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Chain-of-Custody Record

Client <i>Leighton + Associates</i>		Date <i>5-6-16</i>		SOIL GAS Purge Number: ☐ 1P ☐ 3P ☐ 7P ☐ 10P Purge Rate: _____ cc/min Shut in Test Y / N Tracer: ☐ n-propanol ☐ n-pentane ☐ 1,1-DFA ☐ Helium ☐		JEL Project # <i>ST-9297</i> Page <i>1</i> of <i>6</i> Lab Use Only Sample Condition as Received: Chilled ☐ yes ☐ no Sealed ☐ yes ☐ no	
Project Name <i>574 Burbank</i>		Client Project # <i>11235-002</i>		Analysis Requested Number of Containers Magnetic Vacuum (In/H ₂ O) <i>CAM-17 Mdx-6010/7471</i>		Remarks/Special Instructions	
Project Address <i>777N. Front Street, Burbank, CA</i>		Turn Around Requested: ☐ Immediate Attention Rush: ☐ 24 ☐ 48 ☐ 72 ☒ Normal ☐ Mobile Lab		Sample Matrix: Soil (S) Sludge (SL) Aqueous (A) Soil Gas (SG) <i>VOCs - BACB</i> <i>TPH - CC - 8.15M</i> <i>CAM-17 Mdx-6010/7471</i>			
Project Contact <i>Robert Fisher</i>		Laboratory Sample Number		Sample Matrix: Soil (S) Sludge (SL) Aqueous (A) Soil Gas (SG) <i>VOCs - BACB</i> <i>TPH - CC - 8.15M</i> <i>CAM-17 Mdx-6010/7471</i>			
Sample ID	Purge Number	Purge Volume	Date	Sample Collection Time	Sample Analysis Time	Remarks/Special Instructions	
<i>A11-1'</i>			<i>5-5-16</i>	<i>1510</i>	<i>1510</i>		
<i>A11-4.5'</i>				<i>1512</i>	<i>1512</i>		
<i>A11-8.5'</i>				<i>1515</i>	<i>1515</i>		
<i>A11-8.5'-D</i>				<i>1515</i>	<i>1515</i>		
<i>A11-14.5'</i>				<i>1520</i>	<i>1520</i>		
<i>A11-20.5'</i>				<i>1522</i>	<i>1522</i>		
<i>A12-1'</i>				<i>1614</i>	<i>1614</i>		
<i>A12-5'</i>				<i>1617</i>	<i>1617</i>		
<i>A12-11'</i>				<i>1620</i>	<i>1620</i>		
<i>A12-17'</i>				<i>1622</i>	<i>1622</i>		
120							
1		Relinquished by (signature) <i>[Signature]</i>		Received by (signature) <i>[Signature]</i>		Total Number of Containers <i>40</i>	
Company <i>Leighton + Associates</i>		Time <i>1425</i>		Company <i>Jones Env</i>		Date <i>5/6/16</i>	
3		Relinquished by (signature) <i>[Signature]</i>		Received by Laboratory (signature) <i>[Signature]</i>		The delivery of samples and the signature on this Chain of Custody form constitutes authorization to perform the analyses specified above under the Terms and Conditions set forth on the back hereof.	
Company <i>Jones Env</i>		Time <i>16:30</i>		Company <i>Jones Environmental Inc</i>		Date <i>5/6/16</i>	
						☐ EDD ☐ EDF	



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Chain-of-Custody Record

Client		Date		SOIL GAS		JEL Project #				
Project Name		Client Project #		Purge Number: ☐ 1P ☐ 3P ☐ 7P ☐ 10P		Page 2 of 6				
Project Address		Turn Around Requested:		Purge Rate: cc/min		Lab Use Only				
Project Contact		Rush: ☐ 24 ☐ 48 ☐ 72		Shut in Test Y / N		Sample Condition as Received:				
		☒ Normal ☐ Mobile Lab		Tracer: ☐ n-propanol ☐ n-pentane ☐ 1,1-DFA ☐ Helium		Chilled ☐ yes ☐ no				
						Sealed ☐ yes ☐ no				
Sample ID	Purge Number	Purge Volume	Date	Sample Collection Time	Sample Analysis Time	Laboratory Sample Number	Sample Matrix: Soil (S), Sludge (SL), Aqueous (A), Soil Gas (SG)	Analysis Requested	Number of Containers	Remarks/Special Instructions
A13-1'			5-5-16	1651		ST-9297-10	TPH-16-8015M VOCs-82608	X	X	
A13-5'				1655		ST-9297-10				
A13-11'				1659		ST-9297-13				
A13-17'				1703		ST-9297-14				
B11-1'				1500		ST-9297-15				
B11-4.5'				1502		ST-9297-16				
B11-8.5'				1505		ST-9297-17				
B11-14.5'				1509		ST-9297-18				
B11-20.5'				1512		ST-9297-19				
B12-1'				1630		ST-9297-20				
1 Relinquished by (signature)				2 Received by (signature)		Date		Total Number of Containers		
Date 5-6-16				Date 5-6-16		Time 1425		40		
Company Leighton + Associates				Company Jones Env		Time 1425				
3 Relinquished by (signature)				4 Received by Laboratory (signature)		Date				
Date 5/6/16				Date 5/6/16		Time 16:30				
Company Jones Env.				Company Jones Environmental Inc		Time 16:30				

The delivery of samples and the signature on this Chain of Custody form constitutes authorization to perform the analyses specified above under the Terms and Conditions set forth on the back hereof.

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Chain-of-Custody Record

Client		Date		SOIL GAS		JEL Project #					
Leighton + Associates		5-6-16		Purge Number: ☐ 1P ☐ 3P ☐ 7P ☐ 10P		519297					
Project Name		Client Project #		Purge Rate: cc/min		Page 3 of 6					
SG4 Burbank		11235.002		Shut in Test Y / N		Lab Use Only					
Project Address		Turn Around Requested:		Tracer:		Sample Condition as Received:					
777 N. Front Street, Burbank, CA		☐ Immediate Attention		☐ n-propanol		Chilled ☐ yes ☐ no					
Project Contact		Rush: ☐ 24 ☐ 48 ☐ 72		☒ Normal		Sealed ☐ yes ☐ no					
Pobin Furber		☐ Mobile Lab									
Sample ID	Purge Number	Purge Volume	Date	Sample Collection Time	Sample Analysis Time	Laboratory Sample Number	Sample Matrix:	Soil (S) Sludge (SL) Aqueous (A) Soil Gas (SG)	Analysis Requested	Number of Containers	Remarks/Special Instructions
B12-5'			5-5-16	1634		ST-9297-21	VOCs-82678	TPH-4-8215M	CAM-17Meth-1610/7471	4	
B12-5D			"	1634		ST-9297-22					
B12-11'			"	1636		ST-9297-23					
B12-17'			"	1639		ST-9297-24					
B13-1'			5-6-16	0955		ST-9297-25					
B13-5'			"	1000		ST-9297-26					
B13-11'			"	1002		ST-9297-27					
B13-17'			"	1005		ST-9297-28					
B14-1'			"	1030		ST-9297-29					
B14-5'			"	1032		ST-9297-30					
1 Relinquished by (signature)				Date	Received by (signature)		Date		Total Number of Containers		
[Signature]				5-6-16	[Signature]		5/6/16		40		
Company				Time	Company		Time		The delivery of samples and the signature on this Chain of Custody form constitutes authorization to perform the analyses specified above under the Terms and Conditions set forth on the back hereof.		
Leighton + Associates				1425	Jones Env.		1425				
3 Relinquished by (signature)				Date	Received by Laboratory (signature)		Date				
[Signature]				5/6/16	[Signature]		5/6/16				
Company				Time	Company		Time				
Jones Env.				16:30	Jones Environmental Inc.		16:30				



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Chain-of-Custody Record

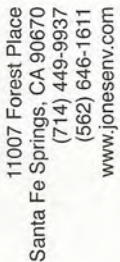
Client Leighton & Associates		Date 5-6-16		SOIL GAS Purge Number: ☐ 1P ☐ 3P ☐ 7P ☐ 10P Purge Rate: _____ cc/min Shut in Test Y / N Tracer: ☐ n-propanol ☐ n-pentane ☐ 1,1-DFA ☐ Helium ☐ _____		JEL Project # ST-9297 Page 4 of 6 Lab Use Only Sample Condition as Received: Chilled ☐ yes ☐ no Sealed ☐ yes ☐ no							
Project Name 584 Burbank		Client Project # 1235.002		Turn Around Requested: ☐ Immediate Attention Rush: ☐ 24 ☐ 48 ☐ 72 ☒ Normal ☐ Mobile Lab		Analysis Requested Magnehelic Vacuum (In/H ₂ O) CAM-17Mk2k-6016/7-171							
Project Address 777 N. Front Street, Burbank, CA		Sample ID		Purge Number	Purge Volume	Date	Sample Collection Time	Sample Analysis Time	Laboratory Sample Number	Sample Matrix: Soil (S), Sludge (SL), Aqueous (A), Soil Gas (SG)	TR1-CC-8015M VOCs - 8015M TR1-CC-8015M	Number of Containers	Remarks/Special Instructions
Project Contact Robert Fisher		B14-11'				5-6-16	1035		ST-9297-31	S	X X X	4	
		B14-17'					1040		ST-9297-32				
		B15-1'					1122		ST-9297-33				
		B15-4'					1135		ST-9297-34				
		B15-5'					1124		ST-9297-35				
		LB1-1'					0728		ST-9297-36				
		LB1-4.5'					0731		ST-9297-37				
		LB1-8.5'					0734		ST-9297-38				
		LB1-14.5'					0738		ST-9297-39				
		LB1-26.5'					0741		ST-9297-40				
123													
1		Relinquished by (signature) [Signature]		Date 5-6-16		2		Received by (signature) [Signature]		Date 5/6/16		Total Number of Containers 40	
Company Leighton & Associates		Time 1:25		Company Jones Env.		Time 1425		Date 5/6/16		Time 18:30		The delivery of samples and the signature on this Chain of Custody form constitutes authorization to perform the analyses specified above under the Terms and Conditions set forth on the back hereof.	
3		Relinquished by (signature) [Signature]		Date 5/6/16		4		Received by Laboratory (signature) [Signature]		Date 5/6/16		Time 18:30	
Company Jones Env.		Time 16:30		Company Jones Environmental Inc		Time 18:30		Date 5/6/16		Time 18:30		☐ EDD ☐ EDF	



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Chain-of-Custody Record

Client		Date		SOIL GAS		JEL Project #			
Project Name		Client Project #		Purge Number: ☐ 1P ☐ 3P ☐ 7P ☐ 10P		Page 5 of 6			
Project Address		Turn Around Requested:		Purge Rate: _____ cc/min		Lab Use Only			
Project Contact		Rush: ☐ 24 ☐ 48 ☐ 72		Shut in Test Y / N		Sample Condition as Received:			
		☒ Normal ☐ Mobile Lab		Tracer:		Chilled ☐ yes ☐ no			
						Sealed ☐ yes ☐ no			
Sample ID	Purge Number	Purge Volume	Date	Sample Collection Time	Sample Analysis Time	Laboratory Sample Number	Sample Matrix: Soil (S), Sludge (SL), Aqueous (A), Soil Gas (SG)	Analysis Requested	Remarks/Special Instructions
LB2-1'			5-6-16	0830		ST-9297-41	TPH-C-8268	TPH-C-8268	
LB2-4.5'				0832		ST-9297-42			
LB2-8.5'				0835		ST-9297-43			
LB2-14.5'				0837		ST-9297-44			
LB2-20.5'				0840		ST-9297-45			
LB3-1'				0907		ST-9297-46			
LB3-1'-D				0907		ST-9297-47			
LB3-4.5'				0916		ST-9297-48			
LB3-8.5'				0921		ST-9297-49			
LB3-14.5'				0922		ST-9297-50			
1 Relinquished by (signature)				Date	5-6-16	Received by (signature)		Date	5/6/16
Company				Time	1425	Company		Time	1425
Leighton + Associates				The delivery of samples and the signature on this Chain of Custody form constitutes authorization to perform the analyses specified above under the Terms and Conditions set forth on the back hereof.					
3 Relinquished by (signature)				Date	5/6/16	Received by Laboratory (signature)		Date	5/6/16
Company				Time	16:30	Company		Time	16:30
Jones Env.				JONES ENVIRONMENTAL, INC.					



Chain-of-Custody Record

[illegible]



25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

24 May 2016

Karen Prame
Jones Environmental
11007 Forest Place
Santa Fe Springs, CA 90670
RE: SJ4 Burbank

Enclosed are the results of analyses for samples received by the laboratory on 05/18/16 15:57. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Rose Fasheh
Project Manager Assistant



25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Jones Environmental
11007 Forest Place
Santa Fe Springs CA, 90670

Project: SJ4 Burbank
Project Number: 11235.002
Project Manager: Karen Prame

Reported:
05/24/16 15:14

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
B14-1'	T161044-01	Soil	05/06/16 10:30	05/18/16 15:57
A3-1'	T161044-02	Soil	05/04/16 13:09	05/18/16 15:57
A4-1'	T161044-03	Soil	05/04/16 13:58	05/18/16 15:57
B4-1'	T161044-04	Soil	05/04/16 13:00	05/18/16 15:57
A5B-1	T161044-05	Soil	05/04/16 15:40	05/18/16 15:57
A6-4.5'	T161044-06	Soil	05/05/16 10:27	05/18/16 15:57
A6-8.5'	T161044-07	Soil	05/05/16 10:35	05/18/16 15:57
A6-14.5'	T161044-08	Soil	05/05/16 10:38	05/18/16 15:57
A6-20.5'	T161044-09	Soil	05/05/16 10:44	05/18/16 15:57
A7-8.5'	T161044-10	Soil	05/05/16 11:20	05/18/16 15:57

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Rose Fasheh, Project Manager Assistant



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Jones Environmental
11007 Forest Place
Santa Fe Springs CA, 90670

Project: SJ4 Burbank
Project Number: 11235.002
Project Manager: Karen Prame

Reported:
05/24/16 15:14

DETECTIONS SUMMARY

Sample ID: B14-1' Laboratory ID: T161044-01

Analyte	Result	Reporting	Units	Method	Notes
		Limit			
Chromium	0.19	0.10	mg/l	STLC Waste Extraction 1	

Sample ID: A3-1' Laboratory ID: T161044-02

Analyte	Result	Reporting	Units	Method	Notes
		Limit			
Copper	26	0.10	mg/l	STLC Waste Extraction 1	

Sample ID: A4-1' Laboratory ID: T161044-03

Analyte	Result	Reporting	Units	Method	Notes
		Limit			
Copper	3.7	0.10	mg/l	STLC Waste Extraction 1	

Sample ID: B4-1' Laboratory ID: T161044-04

Analyte	Result	Reporting	Units	Method	Notes
		Limit			
Lead	0.68	0.10	mg/l	STLC Waste Extraction 1	

Sample ID: A5B-1 Laboratory ID: T161044-05

Analyte	Result	Reporting	Units	Method	Notes
		Limit			
Lead	9.8	0.10	mg/l	STLC Waste Extraction 1	

Sample ID: A6-4.5' Laboratory ID: T161044-06

Analyte	Result	Reporting	Units	Method	Notes
		Limit			
Lead	5.1	0.10	mg/l	STLC Waste Extraction 1	
Chromium	1.6	0.10	mg/l	STLC Waste Extraction 1	

SunStar Laboratories, Inc.

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Rose Fasheh, Project Manager Assistant

Jones Environmental
11007 Forest Place
Santa Fe Springs CA, 90670

Project: SJ4 Burbank
Project Number: 11235.002
Project Manager: Karen Prame

Reported:
05/24/16 15:14

Sample ID: A6-8.5'

Laboratory ID: T161044-07

Analyte	Reporting		Units	Method	Notes
	Result	Limit			
Lead	5.3	0.10	mg/l	STLC Waste Extraction 1	
Chromium	4.8	0.10	mg/l	STLC Waste Extraction 1	
Zinc	3.0	0.10	mg/l	STLC Waste Extraction 1	

Sample ID: A6-14.5'

Laboratory ID: T161044-08

Analyte	Reporting		Units	Method	Notes
	Result	Limit			
Chromium	2.7	0.10	mg/l	STLC Waste Extraction 1	
Zinc	0.82	0.10	mg/l	STLC Waste Extraction 1	

Sample ID: A6-20.5'

Laboratory ID: T161044-09

Analyte	Reporting		Units	Method	Notes
	Result	Limit			
Chromium	2.3	0.10	mg/l	STLC Waste Extraction 1	

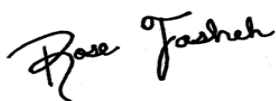
Sample ID: A7-8.5'

Laboratory ID: T161044-10

Analyte	Reporting		Units	Method	Notes
	Result	Limit			
Lead	8.3	0.10	mg/l	STLC Waste Extraction 1	
Copper	42	0.10	mg/l	STLC Waste Extraction 1	

SunStar Laboratories, Inc.

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Rose Fasheh, Project Manager Assistant



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Jones Environmental
11007 Forest Place
Santa Fe Springs CA, 90670

Project: SJ4 Burbank
Project Number: 11235.002
Project Manager: Karen Prame

Reported:
05/24/16 15:14

B14-1'
T161044-01 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

STLC Metals by 6000/7000 Series Methods

Chromium	0.19	0.10	mg/l	1	6051944	05/19/16	05/23/16	STLC Waste Extraction Test	
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SunStar Laboratories, Inc.

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Rose Fasheh, Project Manager Assistant



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Jones Environmental
11007 Forest Place
Santa Fe Springs CA, 90670

Project: SJ4 Burbank
Project Number: 11235.002
Project Manager: Karen Prame

Reported:
05/24/16 15:14

A3-1'

T161044-02 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

STLC Metals by 6000/7000 Series Methods

Copper	26	0.10	mg/l	1	6051944	05/19/16	05/23/16	STLC Waste Extraction Test	
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SunStar Laboratories, Inc.

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Rose Fasheh, Project Manager Assistant



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11007 Forest Place
Santa Fe Springs CA, 90670

Project: SJ4 Burbank
Project Number: 11235.002
Project Manager: Karen Prame

Reported:
05/24/16 15:14

A4-1'

T161044-03 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

STLC Metals by 6000/7000 Series Methods

Copper	3.7	0.10	mg/l	1	6051944	05/19/16	05/23/16	STLC Waste Extraction Test	
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SunStar Laboratories, Inc.

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Rose Fasheh, Project Manager Assistant



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Santa Fe Springs CA, 90670

Project: SJ4 Burbank
Project Number: 11235.002
Project Manager: Karen Prame

Reported:
05/24/16 15:14

B4-1'

T161044-04 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

STLC Metals by 6000/7000 Series Methods

Lead	0.68	0.10	mg/l	1	6051944	05/19/16	05/23/16	STLC Waste Extraction Test	
Zinc	ND	0.10	"	"	"	"	"	"	

SunStar Laboratories, Inc.

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Rose Fasheh, Project Manager Assistant



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Santa Fe Springs CA, 90670

Project: SJ4 Burbank
Project Number: 11235.002
Project Manager: Karen Prame

Reported:
05/24/16 15:14

A5B-1
T161044-05 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

STLC Metals by 6000/7000 Series Methods

Lead	9.8	0.10	mg/l	1	6051944	05/19/16	05/23/16	STLC Waste Extraction Test	
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SunStar Laboratories, Inc.

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Rose Fasheh, Project Manager Assistant



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11007 Forest Place
Santa Fe Springs CA, 90670

Project: SJ4 Burbank
Project Number: 11235.002
Project Manager: Karen Prame

Reported:
05/24/16 15:14

A6-4.5'
T161044-06 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

STLC Metals by 6000/7000 Series Methods

Lead	5.1	0.10	mg/l	1	6051944	05/19/16	05/23/16	STLC Waste Extraction Test	
Chromium	1.6	0.10	"	"	"	"	"	"	

SunStar Laboratories, Inc.

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Santa Fe Springs CA, 90670

Project: SJ4 Burbank
Project Number: 11235.002
Project Manager: Karen Prame

Reported:
05/24/16 15:14

A6-8.5'
T161044-07 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

STLC Metals by 6000/7000 Series Methods

Lead	5.3	0.10	mg/l	1	6051944	05/19/16	05/23/16	STLC Waste Extraction Test	
Chromium	4.8	0.10	"	"	"	"	"	"	
Zinc	3.0	0.10	"	"	"	"	"	"	

SunStar Laboratories, Inc.

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Rose Fasheh, Project Manager Assistant



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Jones Environmental
11007 Forest Place
Santa Fe Springs CA, 90670

Project: SJ4 Burbank
Project Number: 11235.002
Project Manager: Karen Prame

Reported:
05/24/16 15:14

A6-14.5'
T161044-08 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

STLC Metals by 6000/7000 Series Methods

Chromium	2.7	0.10	mg/l	1	6051944	05/19/16	05/23/16	STLC Waste Extraction Test	
Zinc	0.82	0.10	"	"	"	"	"	"	

SunStar Laboratories, Inc.

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Rose Fasheh, Project Manager Assistant



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Jones Environmental
11007 Forest Place
Santa Fe Springs CA, 90670

Project: SJ4 Burbank
Project Number: 11235.002
Project Manager: Karen Prame

Reported:
05/24/16 15:14

A6-20.5'
T161044-09 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

STLC Metals by 6000/7000 Series Methods

Chromium	2.3	0.10	mg/l	1	6051944	05/19/16	05/23/16	STLC Waste Extraction Test	
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SunStar Laboratories, Inc.

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Rose Fasheh, Project Manager Assistant



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11007 Forest Place
Santa Fe Springs CA, 90670

Project: SJ4 Burbank
Project Number: 11235.002
Project Manager: Karen Prame

Reported:
05/24/16 15:14

A7-8.5'
T161044-10 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

STLC Metals by 6000/7000 Series Methods

Lead	8.3	0.10	mg/l	1	6051944	05/19/16	05/23/16	STLC Waste Extraction Test	
Copper	42	0.10	"	"	"	"	"	"	

SunStar Laboratories, Inc.

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Rose Fasheh, Project Manager Assistant



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Project: SJ4 Burbank
Project Number: 11235.002
Project Manager: Karen Prame

Reported:
05/24/16 15:14

STLC Metals by 6000/7000 Series Methods - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 6051944 - STLC Metals

Blank (6051944-BLK1)

Prepared: 05/19/16 Analyzed: 05/23/16

Lead	ND	0.10	mg/l							
Chromium	ND	0.10	"							
Copper	ND	0.10	"							
Zinc	ND	0.10	"							

LCS (6051944-BS1)

Prepared: 05/19/16 Analyzed: 05/23/16

Lead	9.47	0.10	mg/l	10.0		94.7	75-125			
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Matrix Spike (6051944-MS1)

Source: T161044-01

Prepared: 05/19/16 Analyzed: 05/23/16

Lead	8.30	0.10	mg/l	10.0	0.610	76.9	75-125			
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Matrix Spike Dup (6051944-MSD1)

Source: T161044-01

Prepared: 05/19/16 Analyzed: 05/23/16

Lead	10.3	0.10	mg/l	10.0	0.610	96.6	75-125	21.2	30	
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SunStar Laboratories, Inc.

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Rose Fasheh, Project Manager Assistant



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Jones Environmental
11007 Forest Place
Santa Fe Springs CA, 90670

Project: SJ4 Burbank
Project Number: 11235.002
Project Manager: Karen Prame

Reported:
05/24/16 15:14

Notes and Definitions

DET Analyte DETECTED
ND Analyte NOT DETECTED at or above the reporting limit
NR Not Reported
dry Sample results reported on a dry weight basis
RPD Relative Percent Difference

SunStar Laboratories, Inc.

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Rose Fasheh, Project Manager Assistant



11007 Forest Place
Santa Fe Springs, CA 90670
(714) 449-9937
(562) 646-1611
www.jonesenv.com

Chain-of-Custody Record

Client				Date		SOIL GAS		Analysis Requested		JEL Project #			
Leighton				5/18/16		Purge Number: ☐ 1P ☐ 3P ☐ 7P ☐ 10P		Purge Rate: _____ cc/min		Shut In Test Y / N			
Project Name				Client Project #		Tracer:		Analysis Requested		JEL Project #			
ST4 Burbank						☐ n-propanol ☐ n-pentane ☐ 1,1-DFA ☐ Helium		EPA 7190 (Cr6)		Page 1 of 1			
Project Address				Turn Around Requested:		Rush: ☐ 24 ☐ 48 ☐ 72		Magnetic vacuum (ln/H ₂ O)		Lab Use Only			
Project Contact				Normal (MWS 5/21)		Mobile Lab		Number of Containers		Sample Condition as Received: ☐ Chilled ☐ yes ☐ no ☐ Sealed ☐ yes ☐ no			
Robin Ferber										Remarks/Special Instructions			
Sample ID	Purge Number	Purge Volume	Date	Sample Collection Time	Sample Analysis Time	Laboratory Sample Number	Sample Matrix: Soil (S), Sludge (SL), Aqueous (A), Soil Gas (SG)	STLC-Cr	STLC-Cy	STLC-Pb	STLC-Zn	Number of Containers	Remarks/Special Instructions
B14-1	01		5/6	1030		ST-Q297-29	S	X				1	
A3-1	02		5/4	1309		ST-Q288-11	S	X				1	
A4-1	03		5/4	1358		ST-Q288-17	S	X				1	
Q4-1	04		5/4	1300		ST-Q288-32	S	X				1	4.7
AB5-1' ASB-1' 5/4	05		5/4	1540		ST-Q293-03	S	X				1	
A6-4.5'	06		5/5	1027		ST-Q293-09	S	X	X	X	X	1	
A6-8.5'	07		5/5	1035		ST-Q293-10	S	X	X	X	X	1	
A6-14.5'	08		5/5	1038		ST-Q293-11	S	X		X	X	1	
A6-20.5'	09		5/5	1044		ST-Q293-12	S	X			X	1	
A7-8.5'	10		5/5	1120		ST-Q293-16	S	X	X			1	
1 Retinquished by (signature)				Date: 5/18/16		2 Received by (signature)				Date: 5-18-16		Total Number of Containers	
Company Jones Environmental				Time 1557		Company Sun Star Lab				Time 1557		The delivery of samples and the signature on this Chain of Custody form constitutes authorization to perform the analyses specified above under the Terms and Conditions set forth on the back hereof.	
3 Relinquished by (signature)				Date		4 Received by Laboratory (signature)				Date		☐ EDD ☐ EDF	
Company				Time		Company				Time			

SAMPLE RECEIVING REVIEW SHEET

Batch/Work Order #: T161044

Client Name: JONES Project: SJ4 BURBANK

Delivered by: ☐ Client ☒ SunStar Courier ☐ GSO ☐ FedEx ☐ Other

If Courier, Received by: DAN Date/Time Courier Received: 5-18-16 15:57

Lab Received by: BRIAN Date/Time Lab Received: 5-19-16 7:00

Total number of coolers received: 0

Temperature: Cooler #1	4.9 °C +/- the CF (- 0.2°C) = 4.7	°C corrected temperature
Temperature: Cooler #2	°C +/- the CF (- 0.2°C) =	°C corrected temperature
Temperature: Cooler #3	°C +/- the CF (- 0.2°C) =	°C corrected temperature

Temperature criteria = ≤ 6°C (no frozen containers)	Within criteria?	☐ Yes ☐ No
--	------------------	--

If NO:

Samples received on ice?	☐ Yes ☐ No → Complete Non-Conformance Sheet
If on ice, samples received same day collected?	☐ Yes → Acceptable ☐ No → Complete Non-Conformance Sheet

Custody seals intact on cooler/sample	☐ Yes ☐ No* ☒ N/A
Sample containers intact	☒ Yes ☐ No*
Sample labels match Chain of Custody IDs	☒ Yes ☐ No*
Total number of containers received match COC	☒ Yes ☐ No*
Proper containers received for analyses requested on COC	☒ Yes ☐ No*
Proper preservative indicated on COC/containers for analyses requested	☐ Yes ☐ No* ☒ N/A
Complete shipment received in good condition with correct temperatures, containers, labels, volumes preservatives and within method specified holding times	☒ Yes ☐ No*

* Complete Non-Conformance Receiving Sheet if checked Cooler/Sample Review - Initials and date: BC 5-19-16

Comments:



Carolyn Carroll <carolynkusaba@gmail.com>

Karen and Carolyn - Leighton SJ4 Burbank WET Testing Requests1 message

Robin Ferber <rferber@leightongroup.com>

Wed, May 18, 2016 at 2:46 PM

To: "karen@jonesenv.com" <karen@jonesenv.com>

Cc: Wallace Sconiers <wsconiers@leightongroup.com>, Brynn McCulloch <bmcculloch@leightongroup.com>, Carolyn Carroll <carolyn@jonesenv.com>, Carolyn Kusaba <carolyn@jonesenvironmentallab.com>

May 18, 2016; ~2:45 PM

Karen and Carolyn,

Please run the **CA WET** on the following 10 soil samples collected as a part of the SJ4 Burbank project:

- B14-1' ST-9297-29 – Chromium
- A3-1' ST-9288-11 – Copper
- A4-1' – ST-9288-17 – Copper
- B4-1' – ST-9288-32 – Lead
- A5B-1' – ST-9293-03 – Lead
- A6-4.5' – ST-9293-09 – Lead and Total Chromium (EPA 6010) and Hexavalent Chromium (EPA 7196).
- A6-8.5' – ST-9293-10 - Zinc, Lead, and Total Chromium (EPA 6010) and Hexavalent Chromium (EPA 7196).
- A6-14.5' – ST9293-11 – Zn and Total Chromium (EPA 6010) and Hexavalent Chromium (EPA 7196).
- A6-20.5 ST-9293-12 - Total Chromium (EPA 6010) and Hexavalent Chromium (EPA 7196).
- A7-8.5 – ST-9293-16 – Lead, Copper

Please confirm that we can get these analyzed by Wednesday (if not earlier). Let me know if you have any questions

Best regards,

Robin

Robin J. Ferber, PG, Principal Geologist

WORK ORDER

T161044

Client: Jones Environmental

Project: SJ4 Burbank

Project Manager: Rose Fasheh

Project Number: 11235.002

Report To:

Jones Environmental
Karen Prame
11007 Forest Place
Santa Fe Springs, CA 90670

Date Due: 05/24/16 17:00 (4 day TAT)

Received By: Dan Marteski

Date Received: 05/18/16 15:57

Logged In By: Brian Charon

Date Logged In: 05/19/16 07:00

Samples Received at: **4.7°C**

Custody Seals No Received On Ice Yes

Containers Intact Yes

COC/Labels Agree Yes

Preservation Confir No

Analysis	Due	TAT	Expires	Comments
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T161044-01 B14-1' [Soil] Sampled 05/06/16 10:30 (GMT-08:00) Pacific Time (US &

STLC Pb	05/24/16 15:00	4	11/02/16 10:30	Cr only
STLC Leaching Procedure Metals	05/24/16 15:00	4	05/20/16 10:30	

T161044-02 A3-1' [Soil] Sampled 05/04/16 13:09 (GMT-08:00) Pacific Time (US &

STLC Pb	05/24/16 15:00	4	10/31/16 13:09	Cu only
STLC Leaching Procedure Metals	05/24/16 15:00	4	05/18/16 13:09	

T161044-03 A4-1' [Soil] Sampled 05/04/16 13:58 (GMT-08:00) Pacific Time (US &

STLC Pb	05/24/16 15:00	4	10/31/16 13:58	Cu only
STLC Leaching Procedure Metals	05/24/16 15:00	4	05/18/16 13:58	

T161044-04 B4-1' [Soil] Sampled 05/04/16 13:00 (GMT-08:00) Pacific Time (US &

STLC Pb	05/24/16 15:00	4	10/31/16 13:00	
STLC Leaching Procedure Metals	05/24/16 15:00	4	05/18/16 13:00	

T161044-05 A5B-1 [Soil] Sampled 05/04/16 15:40 (GMT-08:00) Pacific Time (US &

STLC Pb	05/24/16 15:00	4	10/31/16 15:40	
STLC Leaching Procedure Metals	05/24/16 15:00	4	05/18/16 15:40	

WORK ORDER

T161044

Client: Jones Environmental

Project Manager: Rose Fasheh

Project: SJ4 Burbank

Project Number: 11235.002

Analysis	Due	TAT	Expires	Comments
T161044-06 A6-4.5' [Soil] Sampled 05/05/16 10:27 (GMT-08:00) Pacific Time (US &				
Cr6-7196A	05/24/16 15:00	4	06/04/16 10:27	
STLC Pb	05/24/16 15:00	4	11/01/16 10:27	+ Cr
STLC Leaching Procedure Metals	05/24/16 15:00	4	05/19/16 10:27	
T161044-07 A6-8.5' [Soil] Sampled 05/05/16 10:35 (GMT-08:00) Pacific Time (US &				
Cr6-7196A	05/24/16 15:00	4	06/04/16 10:35	
STLC Pb	05/24/16 15:00	4	11/01/16 10:35	+ Cr & Zn
STLC Leaching Procedure Metals	05/24/16 15:00	4	05/19/16 10:35	
T161044-08 A6-14.5' [Soil] Sampled 05/05/16 10:38 (GMT-08:00) Pacific Time (US &				
Cr6-7196A	05/24/16 15:00	4	06/04/16 10:38	
STLC Pb	05/24/16 15:00	4	11/01/16 10:38	Cr & Zn only
STLC Leaching Procedure Metals	05/24/16 15:00	4	05/19/16 10:38	
T161044-09 A6-20.5' [Soil] Sampled 05/05/16 10:44 (GMT-08:00) Pacific Time (US &				
Cr6-7196A	05/24/16 15:00	4	06/04/16 10:44	
STLC Pb	05/24/16 15:00	4	11/01/16 10:44	Cr only
STLC Leaching Procedure Metals	05/24/16 15:00	4	05/19/16 10:44	
T161044-10 A7-8.5' [Soil] Sampled 05/05/16 11:20 (GMT-08:00) Pacific Time (US &				
STLC Pb	05/24/16 15:00	4	11/01/16 11:20	+ Cu
STLC Leaching Procedure Metals	05/24/16 15:00	4	05/19/16 11:20	

WORK ORDER

T161044

Client: Jones Environmental

Project: SJ4 Burbank

Project Manager: Rose Fasheh

Project Number: 11235.002

Report To:

Jones Environmental

Karen Prame

11007 Forest Place

Santa Fe Springs, CA 90670

Date Due: 05/24/16 17:00 (4 day TAT)

Received By: Dan Marteski

Date Received: 05/18/16 15:57

Logged In By: Brian Charon

Date Logged In: 05/19/16 07:00

Samples Received at: **4.7°C**

Custody Seals No Received On Ice Yes

Containers Intact Yes

COC/Labels Agree Yes

Preservation Confir No

Analysis	Due	TAT	Expires	Comments
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T161044-01 B14-1' [Soil] Sampled 05/06/16 10:30 (GMT-08:00) Pacific Time (US &

STLC Pb	05/24/16 15:00	4	11/02/16 10:30	Cr only
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STLC Leaching Procedure Metals	05/24/16 15:00	4	05/20/16 10:30	
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T161044-02 A3-1' [Soil] Sampled 05/04/16 13:09 (GMT-08:00) Pacific Time (US &

STLC Pb	05/24/16 15:00	4	10/31/16 13:09	Cu only
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STLC Leaching Procedure Metals	05/24/16 15:00	4	05/18/16 13:09	
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T161044-03 A4-1' [Soil] Sampled 05/04/16 13:58 (GMT-08:00) Pacific Time (US &

STLC Pb	05/24/16 15:00	4	10/31/16 13:58	Cu only
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STLC Leaching Procedure Metals	05/24/16 15:00	4	05/18/16 13:58	
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T161044-04 B4-1' [Soil] Sampled 05/04/16 13:00 (GMT-08:00) Pacific Time (US &

STLC Pb	05/24/16 15:00	4	10/31/16 13:00	
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STLC Leaching Procedure Metals	05/24/16 15:00	4	05/18/16 13:00	
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T161044-05 A5B-1 [Soil] Sampled 05/04/16 15:40 (GMT-08:00) Pacific Time (US &

STLC Pb	05/24/16 15:00	4	10/31/16 15:40	
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STLC Leaching Procedure Metals	05/24/16 15:00	4	05/18/16 15:40	
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WORK ORDER

T161044

Client: Jones Environmental

Project Manager: Rose Fasheh

Project: SJ4 Burbank

Project Number: 11235.002

Analysis	Due	TAT	Expires	Comments
T161044-06 A6-4.5' [Soil] Sampled 05/05/16 10:27 (GMT-08:00) Pacific Time (US &				
Cr6-7199	05/24/16 15:00	4	06/04/16 10:27	changed from method 7169 as per client request (5/23/16)
STLC Pb	05/24/16 15:00	4	11/01/16 10:27	+ Cr
STLC Leaching Procedure Metals	05/24/16 15:00	4	05/19/16 10:27	
T161044-07 A6-8.5' [Soil] Sampled 05/05/16 10:35 (GMT-08:00) Pacific Time (US &				
Cr6-7199	05/24/16 15:00	4	06/04/16 10:35	changed from method 7169 as per client request (5/23/16)
STLC Pb	05/24/16 15:00	4	11/01/16 10:35	+ Cr & Zn
STLC Leaching Procedure Metals	05/24/16 15:00	4	05/19/16 10:35	
T161044-08 A6-14.5' [Soil] Sampled 05/05/16 10:38 (GMT-08:00) Pacific Time (US &				
Cr6-7199	05/24/16 15:00	4	06/04/16 10:38	changed from method 7169 as per client request (5/23/16)
STLC Pb	05/24/16 15:00	4	11/01/16 10:38	Cr & Zn only
STLC Leaching Procedure Metals	05/24/16 15:00	4	05/19/16 10:38	
T161044-09 A6-20.5' [Soil] Sampled 05/05/16 10:44 (GMT-08:00) Pacific Time (US &				
Cr6-7199	05/24/16 15:00	4	06/04/16 10:44	changed from method 7169 as per client request (5/23/16)
STLC Pb	05/24/16 15:00	4	11/01/16 10:44	Cr only
STLC Leaching Procedure Metals	05/24/16 15:00	4	05/19/16 10:44	
T161044-10 A7-8.5' [Soil] Sampled 05/05/16 11:20 (GMT-08:00) Pacific Time (US &				
STLC Pb	05/24/16 15:00	4	11/01/16 11:20	+ Cu
STLC Leaching Procedure Metals	05/24/16 15:00	4	05/19/16 11:20	



25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

27 May 2016

Karen Prame
Jones Environmental
11007 Forest Place
Santa Fe Springs, CA 90670
RE: SJ4 Burbank

Enclosed are the results of analyses for samples received by the laboratory on 05/18/16 15:57. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Rose Fasheh
Project Manager Assistant



25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Jones Environmental
11007 Forest Place
Santa Fe Springs CA, 90670

Project: SJ4 Burbank
Project Number: 11235.002
Project Manager: Karen Prame

Reported:
05/27/16 15:29

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
B14-1'	T161044-01	Soil	05/06/16 10:30	05/18/16 15:57

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Rose Fasheh, Project Manager Assistant



25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Jones Environmental
11007 Forest Place
Santa Fe Springs CA, 90670

Project: SJ4 Burbank
Project Number: 11235.002
Project Manager: Karen Prame

Reported:
05/27/16 15:29

DETECTIONS SUMMARY

Sample ID: B14-1'

Laboratory ID: T161044-01

No Results Detected

SunStar Laboratories, Inc.

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Rose Fasheh, Project Manager Assistant



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Jones Environmental
11007 Forest Place
Santa Fe Springs CA, 90670

Project: SJ4 Burbank
Project Number: 11235.002
Project Manager: Karen Prame

Reported:
05/27/16 15:29

B14-1'
T161044-01 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Conventional Chemistry Parameters by APHA/EPA/ASTM Methods

Hexavalent Chromium	ND	200	ug/kg	1	6052538	05/25/16	05/27/16	EPA 7199
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SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Rose Fasheh, Project Manager Assistant



25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Jones Environmental
11007 Forest Place
Santa Fe Springs CA, 90670

Project: SJ4 Burbank
Project Number: 11235.002
Project Manager: Karen Prame

Reported:
05/27/16 15:29

Conventional Chemistry Parameters by APHA/EPA/ASTM Methods - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 6052538 - General Preparation

Blank (6052538-BLK1)

Prepared: 05/25/16 Analyzed: 05/27/16

Hexavalent Chromium	ND	200	ug/kg
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LCS (6052538-BS1)

Prepared: 05/25/16 Analyzed: 05/27/16

Hexavalent Chromium	1130	200	ug/kg	1000	113	80-120
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Matrix Spike (6052538-MS1)

Source: T161113-01

Prepared: 05/25/16 Analyzed: 05/27/16

Hexavalent Chromium	1070	200	ug/kg	996	ND	107	75-125
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Matrix Spike Dup (6052538-MSD1)

Source: T161113-01

Prepared: 05/25/16 Analyzed: 05/27/16

Hexavalent Chromium	1080	200	ug/kg	1000	ND	108	75-125	1.05	20
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SunStar Laboratories, Inc.

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Rose Fasheh, Project Manager Assistant



25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Jones Environmental
11007 Forest Place
Santa Fe Springs CA, 90670

Project: SJ4 Burbank
Project Number: 11235.002
Project Manager: Karen Prame

Reported:
05/27/16 15:29

Notes and Definitions

DET Analyte DETECTED
ND Analyte NOT DETECTED at or above the reporting limit
NR Not Reported
dry Sample results reported on a dry weight basis
RPD Relative Percent Difference

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Rose Fasheh, Project Manager Assistant



11007 Forest Place
Santa Fe Springs, CA 90670
(714) 449-9937
(562) 646-1611
www.jonesenv.com

Chain-of-Custody Record

Client				Date		SOIL GAS		Analysis Requested		JEL Project #		
Leighton				5/18/16		Purge Number: ☐ 1P ☐ 3P ☐ 7P ☐ 10P		Purge Rate: _____ cc/min		Shut In Test Y / N		
Project Name				Client Project #		Tracer:		Analysis Requested		JEL Project #		
ST4 Burbank						☐ n-propanol ☐ n-pentane ☐ 1,1-DFA ☐ Helium		STLC-Cr STLC-Cy STLC-Pb STLC-Zn		EPA 7190 (Cr, Pb)		
Project Address				Turn Around Requested:		Rush: ☐ 24 ☐ 48 ☐ 72		Magnetic vacuum (ln/H ₂ O)		Number of Containers		
Project Contact				Normal (MWS 5/21)		Mobile Lab		Sample Matrix:		Remarks/Special Instructions		
Robin Ferber								Soil (S), Sludge (SL), Aqueous (A), Soil Gas (SG)				
Sample ID	Purge Number	Purge Volume	Date	Sample Collection Time	Sample Analysis Time	Laboratory Sample Number	Sample Matrix	STLC-Cr	STLC-Cy	STLC-Pb	STLC-Zn	Remarks/Special Instructions
B14-1	01		5/6	1030		ST-Q297-29	S	X				
A3-1	02		5/4	1309		ST-Q288-11	S	X				
A4-1	03		5/4	1358		ST-Q288-17	S	X				
Q4-1	04		5/4	1300		ST-Q288-32	S	X				4.7
AB5-1' ASB-1' 5/4	05		5/4	1540		ST-Q293-03	S	X				
A6-4.5'	06		5/5	1027		ST-Q293-09	S	X	X	X	X	
A6-8.5'	07		5/5	1035		ST-Q293-10	S	X	X	X	X	
A6-14.5'	08		5/5	1038		ST-Q293-11	S	X		X	X	
A6-20.5'	09		5/5	1044		ST-Q293-12	S	X			X	
A7-8.5'	10		5/5	1120		ST-Q293-16	S	X	X			
1 Retinquished by (signature)				Date: 5/18/16		2 Received by (signature)		Date: 5-18-16		Total Number of Containers		
Company Jones Environmental				Time 1557		Company Sun Star Lab		Time 1557		The delivery of samples and the signature on this Chain of Custody form constitutes authorization to perform the analyses specified above under the Terms and Conditions set forth on the back hereof.		
3 Relinquished by (signature)				Date		4 Received by Laboratory (signature)		Date		EDD ☐ EDF ☐		
Company				Time		Company		Time				

SAMPLE RECEIVING REVIEW SHEET

Batch/Work Order #: T161044

Client Name: JONES Project: SJ4 BURBANK

Delivered by: ☐ Client ☒ SunStar Courier ☐ GSO ☐ FedEx ☐ Other

If Courier, Received by: DAN Date/Time Courier Received: 5-18-16 15:57

Lab Received by: BRIAN Date/Time Lab Received: 5-19-16 7:00

Total number of coolers received: 0

Temperature: Cooler #1	4.9	°C +/- the CF (- 0.2°C) =	4.7	°C corrected temperature
Temperature: Cooler #2		°C +/- the CF (- 0.2°C) =		°C corrected temperature
Temperature: Cooler #3		°C +/- the CF (- 0.2°C) =		°C corrected temperature
Temperature criteria = ≤ 6°C (no frozen containers)		Within criteria?		☐ Yes ☐ No
If NO:				
Samples received on ice?	☐ Yes	☐ No → Complete Non-Conformance Sheet		
If on ice, samples received same day collected?	☐ Yes → Acceptable	☐ No → Complete Non-Conformance Sheet		

Custody seals intact on cooler/sample ☐ Yes ☐ No* ☒ N/A

Sample containers intact ☒ Yes ☐ No*

Sample labels match Chain of Custody IDs ☒ Yes ☐ No*

Total number of containers received match COC ☒ Yes ☐ No*

Proper containers received for analyses requested on COC ☒ Yes ☐ No*

Proper preservative indicated on COC/containers for analyses requested ☐ Yes ☐ No* ☒ N/A

Complete shipment received in good condition with correct temperatures, containers, labels, volumes preservatives and within method specified holding times ☒ Yes ☐ No*

* Complete Non-Conformance Receiving Sheet if checked Cooler/Sample Review - Initials and date: BC 5-19-16

Comments:



Carolyn Carroll <carolynkusaba@gmail.com>

Karen and Carolyn - Leighton SJ4 Burbank WET Testing Requests1 message

Robin Ferber <rferber@leightongroup.com>

Wed, May 18, 2016 at 2:46 PM

To: "karen@jonesenv.com" <karen@jonesenv.com>

Cc: Wallace Sconiers <wsconiers@leightongroup.com>, Brynn McCulloch <bmcculloch@leightongroup.com>, Carolyn Carroll <carolyn@jonesenv.com>, Carolyn Kusaba <carolyn@jonesenvironmentallab.com>

May 18, 2016; ~2:45 PM

Karen and Carolyn,

Please run the **CA WET** on the following 10 soil samples collected as a part of the SJ4 Burbank project:

- B14-1' ST-9297-29 – Chromium
- A3-1' ST-9288-11 – Copper
- A4-1' – ST-9288-17 – Copper
- B4-1' – ST-9288-32 – Lead
- A5B-1' – ST-9293-03 – Lead
- A6-4.5' – ST-9293-09 – Lead and Total Chromium (EPA 6010) and Hexavalent Chromium (EPA 7196).
- A6-8.5' – ST-9293-10 - Zinc, Lead, and Total Chromium (EPA 6010) and Hexavalent Chromium (EPA 7196).
- A6-14.5' – ST9293-11 – Zn and Total Chromium (EPA 6010) and Hexavalent Chromium (EPA 7196).
- A6-20.5 ST-9293-12 - Total Chromium (EPA 6010) and Hexavalent Chromium (EPA 7196).
- A7-8.5 – ST-9293-16 – Lead, Copper

Please confirm that we can get these analyzed by Wednesday (if not earlier). Let me know if you have any questions

Best regards,

Robin

Robin J. Ferber, PG, Principal Geologist

WORK ORDER

T161044

Client: Jones Environmental

Project: SJ4 Burbank

Project Manager: Rose Fasheh

Project Number: 11235.002

Report To:

Jones Environmental

Karen Prame

11007 Forest Place

Santa Fe Springs, CA 90670

Date Due: 05/24/16 17:00 (4 day TAT)

Received By: Dan Marteski

Date Received: 05/18/16 15:57

Logged In By: Brian Charon

Date Logged In: 05/19/16 07:00

Samples Received at: **4.7°C**

Custody Seals No Received On Ice Yes

Containers Intact Yes

COC/Labels Agree Yes

Preservation Confir No

Analysis	Due	TAT	Expires	Comments
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T161044-01 B14-1' [Soil] Sampled 05/06/16 10:30 (GMT-08:00) Pacific Time (US &

STLC Pb	05/24/16 15:00	4	11/02/16 10:30	Cr only
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STLC Leaching Procedure Metals	05/24/16 15:00	4	05/20/16 10:30	
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T161044-02 A3-1' [Soil] Sampled 05/04/16 13:09 (GMT-08:00) Pacific Time (US &

STLC Pb	05/24/16 15:00	4	10/31/16 13:09	Cu only
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STLC Leaching Procedure Metals	05/24/16 15:00	4	05/18/16 13:09	
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T161044-03 A4-1' [Soil] Sampled 05/04/16 13:58 (GMT-08:00) Pacific Time (US &

STLC Pb	05/24/16 15:00	4	10/31/16 13:58	Cu only
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STLC Leaching Procedure Metals	05/24/16 15:00	4	05/18/16 13:58	
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T161044-04 B4-1' [Soil] Sampled 05/04/16 13:00 (GMT-08:00) Pacific Time (US &

STLC Pb	05/24/16 15:00	4	10/31/16 13:00	
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STLC Leaching Procedure Metals	05/24/16 15:00	4	05/18/16 13:00	
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T161044-05 A5B-1 [Soil] Sampled 05/04/16 15:40 (GMT-08:00) Pacific Time (US &

STLC Pb	05/24/16 15:00	4	10/31/16 15:40	
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STLC Leaching Procedure Metals	05/24/16 15:00	4	05/18/16 15:40	
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WORK ORDER

T161044

Client: Jones Environmental

Project Manager: Rose Fasheh

Project: SJ4 Burbank

Project Number: 11235.002

Analysis	Due	TAT	Expires	Comments
T161044-06 A6-4.5' [Soil] Sampled 05/05/16 10:27 (GMT-08:00) Pacific Time (US &				
Cr6-7196A	05/24/16 15:00	4	06/04/16 10:27	
STLC Pb	05/24/16 15:00	4	11/01/16 10:27	+ Cr
STLC Leaching Procedure Metals	05/24/16 15:00	4	05/19/16 10:27	
T161044-07 A6-8.5' [Soil] Sampled 05/05/16 10:35 (GMT-08:00) Pacific Time (US &				
Cr6-7196A	05/24/16 15:00	4	06/04/16 10:35	
STLC Pb	05/24/16 15:00	4	11/01/16 10:35	+ Cr & Zn
STLC Leaching Procedure Metals	05/24/16 15:00	4	05/19/16 10:35	
T161044-08 A6-14.5' [Soil] Sampled 05/05/16 10:38 (GMT-08:00) Pacific Time (US &				
Cr6-7196A	05/24/16 15:00	4	06/04/16 10:38	
STLC Pb	05/24/16 15:00	4	11/01/16 10:38	Cr & Zn only
STLC Leaching Procedure Metals	05/24/16 15:00	4	05/19/16 10:38	
T161044-09 A6-20.5' [Soil] Sampled 05/05/16 10:44 (GMT-08:00) Pacific Time (US &				
Cr6-7196A	05/24/16 15:00	4	06/04/16 10:44	
STLC Pb	05/24/16 15:00	4	11/01/16 10:44	Cr only
STLC Leaching Procedure Metals	05/24/16 15:00	4	05/19/16 10:44	
T161044-10 A7-8.5' [Soil] Sampled 05/05/16 11:20 (GMT-08:00) Pacific Time (US &				
STLC Pb	05/24/16 15:00	4	11/01/16 11:20	+ Cu
STLC Leaching Procedure Metals	05/24/16 15:00	4	05/19/16 11:20	

WORK ORDER

T161044

Client: Jones Environmental

Project: SJ4 Burbank

Project Manager: Rose Fasheh

Project Number: 11235.002

Report To:

Jones Environmental

Karen Prame

11007 Forest Place

Santa Fe Springs, CA 90670

Date Due: 05/24/16 17:00 (4 day TAT)

Received By: Dan Marteski

Date Received: 05/18/16 15:57

Logged In By: Brian Charon

Date Logged In: 05/19/16 07:00

Samples Received at: **4.7°C**

Custody Seals No Received On Ice Yes

Containers Intact Yes

COC/Labels Agree Yes

Preservation Confir No

Analysis	Due	TAT	Expires	Comments
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T161044-01 B14-1' [Soil] Sampled 05/06/16 10:30 (GMT-08:00) Pacific Time (US &

STLC Pb	05/24/16 15:00	4	11/02/16 10:30	Cr only
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STLC Leaching Procedure Metals	05/24/16 15:00	4	05/20/16 10:30	
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T161044-02 A3-1' [Soil] Sampled 05/04/16 13:09 (GMT-08:00) Pacific Time (US &

STLC Pb	05/24/16 15:00	4	10/31/16 13:09	Cu only
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STLC Leaching Procedure Metals	05/24/16 15:00	4	05/18/16 13:09	
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T161044-03 A4-1' [Soil] Sampled 05/04/16 13:58 (GMT-08:00) Pacific Time (US &

STLC Pb	05/24/16 15:00	4	10/31/16 13:58	Cu only
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STLC Leaching Procedure Metals	05/24/16 15:00	4	05/18/16 13:58	
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T161044-04 B4-1' [Soil] Sampled 05/04/16 13:00 (GMT-08:00) Pacific Time (US &

STLC Pb	05/24/16 15:00	4	10/31/16 13:00	
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STLC Leaching Procedure Metals	05/24/16 15:00	4	05/18/16 13:00	
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T161044-05 A5B-1 [Soil] Sampled 05/04/16 15:40 (GMT-08:00) Pacific Time (US &

STLC Pb	05/24/16 15:00	4	10/31/16 15:40	
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STLC Leaching Procedure Metals	05/24/16 15:00	4	05/18/16 15:40	
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WORK ORDER

T161044

Client: Jones Environmental

Project Manager: Rose Fasheh

Project: SJ4 Burbank

Project Number: 11235.002

Analysis	Due	TAT	Expires	Comments
T161044-06 A6-4.5' [Soil] Sampled 05/05/16 10:27 (GMT-08:00) Pacific Time (US &				
Cr6-7199	05/24/16 15:00	4	06/04/16 10:27	changed from method 7169 as per client request (5/23/16)
STLC Pb	05/24/16 15:00	4	11/01/16 10:27	+ Cr
STLC Leaching Procedure Metals	05/24/16 15:00	4	05/19/16 10:27	
T161044-07 A6-8.5' [Soil] Sampled 05/05/16 10:35 (GMT-08:00) Pacific Time (US &				
Cr6-7199	05/24/16 15:00	4	06/04/16 10:35	changed from method 7169 as per client request (5/23/16)
STLC Pb	05/24/16 15:00	4	11/01/16 10:35	+ Cr & Zn
STLC Leaching Procedure Metals	05/24/16 15:00	4	05/19/16 10:35	
T161044-08 A6-14.5' [Soil] Sampled 05/05/16 10:38 (GMT-08:00) Pacific Time (US &				
Cr6-7199	05/24/16 15:00	4	06/04/16 10:38	changed from method 7169 as per client request (5/23/16)
STLC Pb	05/24/16 15:00	4	11/01/16 10:38	Cr & Zn only
STLC Leaching Procedure Metals	05/24/16 15:00	4	05/19/16 10:38	
T161044-09 A6-20.5' [Soil] Sampled 05/05/16 10:44 (GMT-08:00) Pacific Time (US &				
Cr6-7199	05/24/16 15:00	4	06/04/16 10:44	changed from method 7169 as per client request (5/23/16)
STLC Pb	05/24/16 15:00	4	11/01/16 10:44	Cr only
STLC Leaching Procedure Metals	05/24/16 15:00	4	05/19/16 10:44	
T161044-10 A7-8.5' [Soil] Sampled 05/05/16 11:20 (GMT-08:00) Pacific Time (US &				
STLC Pb	05/24/16 15:00	4	11/01/16 11:20	+ Cu
STLC Leaching Procedure Metals	05/24/16 15:00	4	05/19/16 11:20	

WORK ORDER

T161044

Client: Jones Environmental

Project: SJ4 Burbank

Project Manager: Rose Fasheh

Project Number: 11235.002

Report To:

Jones Environmental

Karen Prame

11007 Forest Place

Santa Fe Springs, CA 90670

Date Due: 05/24/16 17:00 (4 day TAT)

Received By: Dan Marteski

Date Received: 05/18/16 15:57

Logged In By: Brian Charon

Date Logged In: 05/19/16 07:00

Samples Received at: 4.7°C

Custody Seals No Received On Ice Yes

Containers Intact Yes

COC/Labels Agree Yes

Preservation Confir No

Analysis	Due	TAT	Expires	Comments
T161044-01 B14-1' [Soil] Sampled 05/06/16 10:30 (GMT-08:00) Pacific Time (US &				method 7199 added per client request 5/25/16

Cr6-7199	05/27/16 15:00	2	06/05/16 10:30	
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STLC Pb	05/24/16 15:00	4	11/02/16 10:30	Cr only
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STLC Leaching Procedure Metals	05/24/16 15:00	4	05/20/16 10:30	
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T161044-02 A3-1' [Soil] Sampled 05/04/16 13:09 (GMT-08:00) Pacific Time (US &				
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STLC Pb	05/24/16 15:00	4	10/31/16 13:09	Cu only
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STLC Leaching Procedure Metals	05/24/16 15:00	4	05/18/16 13:09	
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T161044-03 A4-1' [Soil] Sampled 05/04/16 13:58 (GMT-08:00) Pacific Time (US &				
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STLC Pb	05/24/16 15:00	4	10/31/16 13:58	Cu only
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STLC Leaching Procedure Metals	05/24/16 15:00	4	05/18/16 13:58	
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T161044-04 B4-1' [Soil] Sampled 05/04/16 13:00 (GMT-08:00) Pacific Time (US &				
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STLC Pb	05/24/16 15:00	4	10/31/16 13:00	+ Zn
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STLC Leaching Procedure Metals	05/24/16 15:00	4	05/18/16 13:00	
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T161044-05 A5B-1 [Soil] Sampled 05/04/16 15:40 (GMT-08:00) Pacific Time (US &				
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STLC Pb	05/24/16 15:00	4	10/31/16 15:40	
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STLC Leaching Procedure Metals	05/24/16 15:00	4	05/18/16 15:40	
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WORK ORDER

T161044

Client: Jones Environmental

Project Manager: Rose Fasheh

Project: SJ4 Burbank

Project Number: 11235.002

Analysis	Due	TAT	Expires	Comments
T161044-06 A6-4.5' [Soil] Sampled 05/05/16 10:27 (GMT-08:00) Pacific Time (US &				
Cr6-7199	05/24/16 15:00	4	06/04/16 10:27	changed from method 7169 per client request (5/23/16)
STLC Pb	05/24/16 15:00	4	11/01/16 10:27	+ Cr
STLC Leaching Procedure Metals	05/24/16 15:00	4	05/19/16 10:27	
T161044-07 A6-8.5' [Soil] Sampled 05/05/16 10:35 (GMT-08:00) Pacific Time (US &				
Cr6-7199	05/24/16 15:00	4	06/04/16 10:35	changed from method 7169 per client request (5/23/16)
STLC Pb	05/24/16 15:00	4	11/01/16 10:35	+ Cr & Zn
STLC Leaching Procedure Metals	05/24/16 15:00	4	05/19/16 10:35	
T161044-08 A6-14.5' [Soil] Sampled 05/05/16 10:38 (GMT-08:00) Pacific Time (US &				
Cr6-7199	05/24/16 15:00	4	06/04/16 10:38	changed from method 7169 per client request (5/23/16)
STLC Pb	05/24/16 15:00	4	11/01/16 10:38	Cr & Zn only
STLC Leaching Procedure Metals	05/24/16 15:00	4	05/19/16 10:38	
T161044-09 A6-20.5' [Soil] Sampled 05/05/16 10:44 (GMT-08:00) Pacific Time (US &				
Cr6-7199	05/24/16 15:00	4	06/04/16 10:44	changed from method 7169 per client request (5/23/16)
STLC Pb	05/24/16 15:00	4	11/01/16 10:44	Cr only
STLC Leaching Procedure Metals	05/24/16 15:00	4	05/19/16 10:44	
T161044-10 A7-8.5' [Soil] Sampled 05/05/16 11:20 (GMT-08:00) Pacific Time (US &				
STLC Pb	05/24/16 15:00	4	11/01/16 11:20	+ Cu
STLC Leaching Procedure Metals	05/24/16 15:00	4	05/19/16 11:20	



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949.297.5027 Fax

25 May 2016

Karen Prame
Jones Environmental
11007 Forest Place
Santa Fe Springs, CA 90670
RE: SJ4 Burbank

Enclosed are the results of analyses for samples received by the laboratory on 05/18/16 15:57. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Rose Fasheh
Project Manager Assistant



25712 Commercentre Drive
Lake Forest, California 92630
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949.297.5027 Fax

Jones Environmental
11007 Forest Place
Santa Fe Springs CA, 90670

Project: SJ4 Burbank
Project Number: 11235.002
Project Manager: Karen Prame

Reported:
05/25/16 09:40

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
B14-1'	T161044-01	Soil	05/06/16 10:30	05/18/16 15:57
A3-1'	T161044-02	Soil	05/04/16 13:09	05/18/16 15:57
A4-1'	T161044-03	Soil	05/04/16 13:58	05/18/16 15:57
B4-1'	T161044-04	Soil	05/04/16 13:00	05/18/16 15:57
A5B-1	T161044-05	Soil	05/04/16 15:40	05/18/16 15:57
A6-4.5'	T161044-06	Soil	05/05/16 10:27	05/18/16 15:57
A6-8.5'	T161044-07	Soil	05/05/16 10:35	05/18/16 15:57
A6-14.5'	T161044-08	Soil	05/05/16 10:38	05/18/16 15:57
A6-20.5'	T161044-09	Soil	05/05/16 10:44	05/18/16 15:57
A7-8.5'	T161044-10	Soil	05/05/16 11:20	05/18/16 15:57

SunStar Laboratories, Inc.

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Rose Fasheh, Project Manager Assistant



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Jones Environmental
11007 Forest Place
Santa Fe Springs CA, 90670

Project: SJ4 Burbank
Project Number: 11235.002
Project Manager: Karen Prame

Reported:
05/25/16 09:40

DETECTIONS SUMMARY

Sample ID: B14-1' Laboratory ID: T161044-01

Analyte	Result	Reporting	Units	Method	Notes
		Limit			
Chromium	0.19	0.10	mg/l	STLC Waste Extraction 1	

Sample ID: A3-1' Laboratory ID: T161044-02

Analyte	Result	Reporting	Units	Method	Notes
		Limit			
Copper	26	0.10	mg/l	STLC Waste Extraction 1	

Sample ID: A4-1' Laboratory ID: T161044-03

Analyte	Result	Reporting	Units	Method	Notes
		Limit			
Copper	3.7	0.10	mg/l	STLC Waste Extraction 1	

Sample ID: B4-1' Laboratory ID: T161044-04

Analyte	Result	Reporting	Units	Method	Notes
		Limit			
Lead	0.68	0.10	mg/l	STLC Waste Extraction 1	

Sample ID: A5B-1 Laboratory ID: T161044-05

Analyte	Result	Reporting	Units	Method	Notes
		Limit			
Lead	9.8	0.10	mg/l	STLC Waste Extraction 1	

Sample ID: A6-4.5' Laboratory ID: T161044-06

Analyte	Result	Reporting	Units	Method	Notes
		Limit			
Lead	5.1	0.10	mg/l	STLC Waste Extraction 1	
Chromium	1.6	0.10	mg/l	STLC Waste Extraction 1	
Hexavalent Chromium	1100	200	ug/kg	EPA 7199	

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Project: SJ4 Burbank
Project Number: 11235.002
Project Manager: Karen Prame

Reported:
05/25/16 09:40

Sample ID: A6-8.5'

Laboratory ID: T161044-07

Analyte	Reporting		Units	Method	Notes
	Result	Limit			
Lead	5.3	0.10	mg/l	STLC Waste Extraction 1	
Chromium	4.8	0.10	mg/l	STLC Waste Extraction 1	
Zinc	3.0	0.10	mg/l	STLC Waste Extraction 1	
Hexavalent Chromium	2800	200	ug/kg	EPA 7199	

Sample ID: A6-14.5'

Laboratory ID: T161044-08

Analyte	Reporting		Units	Method	Notes
	Result	Limit			
Chromium	2.7	0.10	mg/l	STLC Waste Extraction 1	
Zinc	0.82	0.10	mg/l	STLC Waste Extraction 1	
Hexavalent Chromium	1500	200	ug/kg	EPA 7199	

Sample ID: A6-20.5'

Laboratory ID: T161044-09

Analyte	Reporting		Units	Method	Notes
	Result	Limit			
Chromium	2.3	0.10	mg/l	STLC Waste Extraction 1	
Hexavalent Chromium	3300	200	ug/kg	EPA 7199	

Sample ID: A7-8.5'

Laboratory ID: T161044-10

Analyte	Reporting		Units	Method	Notes
	Result	Limit			
Lead	8.3	0.10	mg/l	STLC Waste Extraction 1	
Copper	42	0.10	mg/l	STLC Waste Extraction 1	

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Rose Fasheh, Project Manager Assistant



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Santa Fe Springs CA, 90670

Project: SJ4 Burbank
Project Number: 11235.002
Project Manager: Karen Prame

Reported:
05/25/16 09:40

B14-1'
T161044-01 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

STLC Metals by 6000/7000 Series Methods

Chromium	0.19	0.10	mg/l	1	6051944	05/19/16	05/23/16	STLC Waste Extraction Test	
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Santa Fe Springs CA, 90670

Project: SJ4 Burbank
Project Number: 11235.002
Project Manager: Karen Prame

Reported:
05/25/16 09:40

A3-1'

T161044-02 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

STLC Metals by 6000/7000 Series Methods

Copper	26	0.10	mg/l	1	6051944	05/19/16	05/23/16	STLC Waste Extraction Test	
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Project: SJ4 Burbank
Project Number: 11235.002
Project Manager: Karen Prame

Reported:
05/25/16 09:40

A4-1'

T161044-03 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

STLC Metals by 6000/7000 Series Methods

Copper	3.7	0.10	mg/l	1	6051944	05/19/16	05/23/16	STLC Waste Extraction Test	
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Project: SJ4 Burbank
Project Number: 11235.002
Project Manager: Karen Prame

Reported:
05/25/16 09:40

B4-1'

T161044-04 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

STLC Metals by 6000/7000 Series Methods

Lead	0.68	0.10	mg/l	1	6051944	05/19/16	05/23/16	STLC Waste Extraction Test	
Zinc	ND	0.10	"	"	"	"	"	"	

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Project: SJ4 Burbank
Project Number: 11235.002
Project Manager: Karen Prame

Reported:
05/25/16 09:40

A5B-1
T161044-05 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

STLC Metals by 6000/7000 Series Methods

Lead	9.8	0.10	mg/l	1	6051944	05/19/16	05/23/16	STLC Waste Extraction Test	
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Project: SJ4 Burbank
Project Number: 11235.002
Project Manager: Karen Prame

Reported:
05/25/16 09:40

A6-4.5'
T161044-06 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

STLC Metals by 6000/7000 Series Methods

Lead	5.1	0.10	mg/l	1	6051944	05/19/16	05/23/16	STLC Waste Extraction Test	
Chromium	1.6	0.10	"	"	"	"	"	"	

Conventional Chemistry Parameters by APHA/EPA/ASTM Methods

Hexavalent Chromium	1100	200	ug/kg	1	6052324	05/20/16	05/24/16	EPA 7199	
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Project: SJ4 Burbank
Project Number: 11235.002
Project Manager: Karen Prame

Reported:
05/25/16 09:40

A6-8.5'
T161044-07 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

STLC Metals by 6000/7000 Series Methods

Lead	5.3	0.10	mg/l	1	6051944	05/19/16	05/23/16	STLC Waste Extraction Test	
Chromium	4.8	0.10	"	"	"	"	"	"	
Zinc	3.0	0.10	"	"	"	"	"	"	

Conventional Chemistry Parameters by APHA/EPA/ASTM Methods

Hexavalent Chromium	2800	200	ug/kg	1	6052324	05/20/16	05/24/16	EPA 7199	
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Santa Fe Springs CA, 90670

Project: SJ4 Burbank
Project Number: 11235.002
Project Manager: Karen Prame

Reported:
05/25/16 09:40

A6-14.5'
T161044-08 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

STLC Metals by 6000/7000 Series Methods

Chromium	2.7	0.10	mg/l	1	6051944	05/19/16	05/23/16	STLC Waste Extraction Test	
Zinc	0.82	0.10	"	"	"	"	"	"	

Conventional Chemistry Parameters by APHA/EPA/ASTM Methods

Hexavalent Chromium	1500	200	ug/kg	1	6052324	05/20/16	05/24/16	EPA 7199	
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SunStar Laboratories, Inc.

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Rose Fasheh, Project Manager Assistant



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Jones Environmental
11007 Forest Place
Santa Fe Springs CA, 90670

Project: SJ4 Burbank
Project Number: 11235.002
Project Manager: Karen Prame

Reported:
05/25/16 09:40

A6-20.5'
T161044-09 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

STLC Metals by 6000/7000 Series Methods

Chromium	2.3	0.10	mg/l	1	6051944	05/19/16	05/23/16	STLC Waste Extraction Test	
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Conventional Chemistry Parameters by APHA/EPA/ASTM Methods

Hexavalent Chromium	3300	200	ug/kg	1	6052324	05/20/16	05/24/16	EPA 7199	
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Rose Fasheh, Project Manager Assistant



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Jones Environmental
11007 Forest Place
Santa Fe Springs CA, 90670

Project: SJ4 Burbank
Project Number: 11235.002
Project Manager: Karen Prame

Reported:
05/25/16 09:40

A7-8.5'

T161044-10 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	--------------------	-------	----------	-------	----------	----------	--------	-------

SunStar Laboratories, Inc.

STLC Metals by 6000/7000 Series Methods

Lead	8.3	0.10	mg/l	1	6051944	05/19/16	05/23/16	STLC Waste Extraction Test	
Copper	42	0.10	"	"	"	"	"	"	

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Rose Fasheh, Project Manager Assistant



25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Jones Environmental
11007 Forest Place
Santa Fe Springs CA, 90670

Project: SJ4 Burbank
Project Number: 11235.002
Project Manager: Karen Prame

Reported:
05/25/16 09:40

STLC Metals by 6000/7000 Series Methods - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	--------------------	-------	----------------	------------------	------	----------------	-----	--------------	-------

Batch 6051944 - STLC Metals

Blank (6051944-BLK1)

Prepared: 05/19/16 Analyzed: 05/23/16

Lead	ND	0.10	mg/l							
Chromium	ND	0.10	"							
Copper	ND	0.10	"							
Zinc	ND	0.10	"							

LCS (6051944-BS1)

Prepared: 05/19/16 Analyzed: 05/23/16

Lead	9.47	0.10	mg/l	10.0		94.7	75-125			
------	------	------	------	------	--	------	--------	--	--	--

Matrix Spike (6051944-MS1)

Source: T161044-01

Prepared: 05/19/16 Analyzed: 05/23/16

Lead	8.30	0.10	mg/l	10.0	0.610	76.9	75-125			
------	------	------	------	------	-------	------	--------	--	--	--

Matrix Spike Dup (6051944-MSD1)

Source: T161044-01

Prepared: 05/19/16 Analyzed: 05/23/16

Lead	10.3	0.10	mg/l	10.0	0.610	96.6	75-125	21.2	30	
------	------	------	------	------	-------	------	--------	------	----	--

SunStar Laboratories, Inc.

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Rose Fasheh, Project Manager Assistant



25712 Commercentre Drive
Lake Forest, California 92630
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Jones Environmental
11007 Forest Place
Santa Fe Springs CA, 90670

Project: SJ4 Burbank
Project Number: 11235.002
Project Manager: Karen Prame

Reported:
05/25/16 09:40

Conventional Chemistry Parameters by APHA/EPA/ASTM Methods - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	--------------------	-------	----------------	------------------	------	----------------	-----	--------------	-------

Batch 6052324 - General Preparation

Blank (6052324-BLK1)

Prepared: 05/23/16 Analyzed: 05/24/16

Hexavalent Chromium	ND	200	ug/kg
---------------------	----	-----	-------

LCS (6052324-BS1)

Prepared: 05/23/16 Analyzed: 05/24/16

Hexavalent Chromium	1120	200	ug/kg	1000	112	80-120
---------------------	------	-----	-------	------	-----	--------

LCS Dup (6052324-BSD1)

Prepared: 05/23/16 Analyzed: 05/24/16

Hexavalent Chromium	1030	200	ug/kg	996	103	80-120	9.11	20
---------------------	------	-----	-------	-----	-----	--------	------	----

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Rose Fasheh, Project Manager Assistant



25712 Commercentre Drive
Lake Forest, California 92630
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Jones Environmental
11007 Forest Place
Santa Fe Springs CA, 90670

Project: SJ4 Burbank
Project Number: 11235.002
Project Manager: Karen Prame

Reported:
05/25/16 09:40

Notes and Definitions

DET Analyte DETECTED
ND Analyte NOT DETECTED at or above the reporting limit
NR Not Reported
dry Sample results reported on a dry weight basis
RPD Relative Percent Difference

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Rose Fasheh, Project Manager Assistant



11007 Forest Place
Santa Fe Springs, CA 90670
(714) 449-9937
(562) 646-1611
www.jonesenv.com

Chain-of-Custody Record

Client				Date		SOIL GAS		Analysis Requested		JEL Project #				
Leighton				5/18/16		Purge Number: ☐ 1P ☐ 3P ☐ 7P ☐ 10P		Purge Rate: _____ cc/min		Shut In Test Y / N				
Project Name				Client Project #		Tracer:		Analysis Requested		JEL Project #				
ST4 Burbank						☐ n-propanol ☐ n-pentane ☐ 1,1-DFA ☐ Helium		EPA 7196 (Cr6)		Page 1 of 1				
Project Address				Turn Around Requested:		Rush: ☐ 24 ☐ 48 ☐ 72		Magnetic vacuum (In/H ₂ O)		Lab Use Only				
Project Contact				Normal (MWS 5/21)		Mobile Lab		Number of Containers		Sample Condition as Received: ☐ Chilled ☐ yes ☐ no ☐ Sealed ☐ yes ☐ no				
Robin Ferber										Remarks/Special Instructions				
Sample ID	Purge Number	Purge Volume	Date	Sample Collection Time	Sample Analysis Time	Laboratory Sample Number	Sample Matrix:	Soil (S), Sludge (SL), Aqueous (A), Soil Gas (SG)	STLC-Cr	STLC-Cy	STLC-Pb	STLC-Zn	Number of Containers	Remarks/Special Instructions
B14-1	01		5/6	1030		ST-Q297-29	S	X					1	
A3-1	02		5/4	1309		ST-Q288-11	S		X				1	
A4-1	03		5/4	1358		ST-Q288-17	S		X				1	
Q4-1	04		5/4	1300		ST-Q288-32	S		X				1	4.7
AB5-1' ASB-1' 5/4	05		5/4	1540		ST-Q293-03	S		X				1	
A6-4.5'	06		5/5	1027		ST-Q293-09	S	X		X			1	
A6-8.5'	07		5/5	1035		ST-Q293-10	S	X		X	X		1	
A6-14.5'	08		5/5	1038		ST-Q293-11	S	X		X	X		1	
A6-20.5'	09		5/5	1044		ST-Q293-12	S	X				X	1	
A7-8.5'	10		5/5	1120		ST-Q293-16	S		X	X			1	
1 Retinquished by (signature)				Date: 5/18/16		2 Received by (signature)				Date: 5-18-16		Total Number of Containers		
Company Jones Environmental				Time 1557		Company Sun Star Lab				Time 1557		The delivery of samples and the signature on this Chain of Custody form constitutes authorization to perform the analyses specified above under the Terms and Conditions set forth on the back hereof.		
3 Relinquished by (signature)				Date		4 Received by Laboratory (signature)				Date		☐ EDD ☐ EDF		
Company				Time		Company				Time				

SAMPLE RECEIVING REVIEW SHEET

Batch/Work Order #: T161044

Client Name: JONES Project: SJ4 BURBANK

Delivered by: ☐ Client ☒ SunStar Courier ☐ GSO ☐ FedEx ☐ Other

If Courier, Received by: DAN Date/Time Courier Received: 5-18-16 15:57

Lab Received by: BRIAN Date/Time Lab Received: 5-19-16 7:00

Total number of coolers received: 0

Temperature: Cooler #1	4.9	°C +/- the CF (- 0.2°C) =	4.7	°C corrected temperature
Temperature: Cooler #2		°C +/- the CF (- 0.2°C) =		°C corrected temperature
Temperature: Cooler #3		°C +/- the CF (- 0.2°C) =		°C corrected temperature
Temperature criteria = ≤ 6°C (no frozen containers)		Within criteria?		☐ Yes ☐ No
If NO:				
Samples received on ice?	☐ Yes	☐ No → Complete Non-Conformance Sheet		
If on ice, samples received same day collected?	☐ Yes → Acceptable	☐ No → Complete Non-Conformance Sheet		

Custody seals intact on cooler/sample ☐ Yes ☐ No* ☒ N/A

Sample containers intact ☒ Yes ☐ No*

Sample labels match Chain of Custody IDs ☒ Yes ☐ No*

Total number of containers received match COC ☒ Yes ☐ No*

Proper containers received for analyses requested on COC ☒ Yes ☐ No*

Proper preservative indicated on COC/containers for analyses requested ☐ Yes ☐ No* ☒ N/A

Complete shipment received in good condition with correct temperatures, containers, labels, volumes preservatives and within method specified holding times ☒ Yes ☐ No*

* Complete Non-Conformance Receiving Sheet if checked Cooler/Sample Review - Initials and date: BC 5-19-16

Comments:



Carolyn Carroll <carolynkusaba@gmail.com>

Karen and Carolyn - Leighton SJ4 Burbank WET Testing Requests1 message

Robin Ferber <rferber@leightongroup.com>

Wed, May 18, 2016 at 2:46 PM

To: "karen@jonesenv.com" <karen@jonesenv.com>

Cc: Wallace Sconiers <wsconiers@leightongroup.com>, Brynn McCulloch <bmcculloch@leightongroup.com>, Carolyn Carroll <carolyn@jonesenv.com>, Carolyn Kusaba <carolyn@jonesenvironmentallab.com>

May 18, 2016; ~2:45 PM

Karen and Carolyn,

Please run the **CA WET** on the following 10 soil samples collected as a part of the SJ4 Burbank project:

- B14-1' ST-9297-29 – Chromium
- A3-1' ST-9288-11 – Copper
- A4-1' – ST-9288-17 – Copper
- B4-1' – ST-9288-32 – Lead
- A5B-1' – ST-9293-03 – Lead
- A6-4.5' – ST-9293-09 – Lead and Total Chromium (EPA 6010) and Hexavalent Chromium (EPA 7196).
- A6-8.5' – ST-9293-10 - Zinc, Lead, and Total Chromium (EPA 6010) and Hexavalent Chromium (EPA 7196).
- A6-14.5' – ST9293-11 – Zn and Total Chromium (EPA 6010) and Hexavalent Chromium (EPA 7196).
- A6-20.5 ST-9293-12 - Total Chromium (EPA 6010) and Hexavalent Chromium (EPA 7196).
- A7-8.5 – ST-9293-16 – Lead, Copper

Please confirm that we can get these analyzed by Wednesday (if not earlier). Let me know if you have any questions

Best regards,

Robin

Robin J. Ferber, PG, Principal Geologist

WORK ORDER

T161044

Client: Jones Environmental

Project: SJ4 Burbank

Project Manager: Rose Fasheh

Project Number: 11235.002

Report To:

Jones Environmental

Karen Prame

11007 Forest Place

Santa Fe Springs, CA 90670

Date Due: 05/24/16 17:00 (4 day TAT)

Received By: Dan Marteski

Date Received: 05/18/16 15:57

Logged In By: Brian Charon

Date Logged In: 05/19/16 07:00

Samples Received at: **4.7°C**

Custody Seals No Received On Ice Yes

Containers Intact Yes

COC/Labels Agree Yes

Preservation Confir No

Analysis	Due	TAT	Expires	Comments
----------	-----	-----	---------	----------

T161044-01 B14-1' [Soil] Sampled 05/06/16 10:30 (GMT-08:00) Pacific Time (US &

STLC Pb	05/24/16 15:00	4	11/02/16 10:30	Cr only
STLC Leaching Procedure Metals	05/24/16 15:00	4	05/20/16 10:30	

T161044-02 A3-1' [Soil] Sampled 05/04/16 13:09 (GMT-08:00) Pacific Time (US &

STLC Pb	05/24/16 15:00	4	10/31/16 13:09	Cu only
STLC Leaching Procedure Metals	05/24/16 15:00	4	05/18/16 13:09	

T161044-03 A4-1' [Soil] Sampled 05/04/16 13:58 (GMT-08:00) Pacific Time (US &

STLC Pb	05/24/16 15:00	4	10/31/16 13:58	Cu only
STLC Leaching Procedure Metals	05/24/16 15:00	4	05/18/16 13:58	

T161044-04 B4-1' [Soil] Sampled 05/04/16 13:00 (GMT-08:00) Pacific Time (US &

STLC Pb	05/24/16 15:00	4	10/31/16 13:00	
STLC Leaching Procedure Metals	05/24/16 15:00	4	05/18/16 13:00	

T161044-05 A5B-1 [Soil] Sampled 05/04/16 15:40 (GMT-08:00) Pacific Time (US &

STLC Pb	05/24/16 15:00	4	10/31/16 15:40	
STLC Leaching Procedure Metals	05/24/16 15:00	4	05/18/16 15:40	

WORK ORDER

T161044

Client: Jones Environmental

Project Manager: Rose Fasheh

Project: SJ4 Burbank

Project Number: 11235.002

Analysis	Due	TAT	Expires	Comments
T161044-06 A6-4.5' [Soil] Sampled 05/05/16 10:27 (GMT-08:00) Pacific Time (US &				
Cr6-7196A	05/24/16 15:00	4	06/04/16 10:27	
STLC Pb	05/24/16 15:00	4	11/01/16 10:27	+ Cr
STLC Leaching Procedure Metals	05/24/16 15:00	4	05/19/16 10:27	
T161044-07 A6-8.5' [Soil] Sampled 05/05/16 10:35 (GMT-08:00) Pacific Time (US &				
Cr6-7196A	05/24/16 15:00	4	06/04/16 10:35	
STLC Pb	05/24/16 15:00	4	11/01/16 10:35	+ Cr & Zn
STLC Leaching Procedure Metals	05/24/16 15:00	4	05/19/16 10:35	
T161044-08 A6-14.5' [Soil] Sampled 05/05/16 10:38 (GMT-08:00) Pacific Time (US &				
Cr6-7196A	05/24/16 15:00	4	06/04/16 10:38	
STLC Pb	05/24/16 15:00	4	11/01/16 10:38	Cr & Zn only
STLC Leaching Procedure Metals	05/24/16 15:00	4	05/19/16 10:38	
T161044-09 A6-20.5' [Soil] Sampled 05/05/16 10:44 (GMT-08:00) Pacific Time (US &				
Cr6-7196A	05/24/16 15:00	4	06/04/16 10:44	
STLC Pb	05/24/16 15:00	4	11/01/16 10:44	Cr only
STLC Leaching Procedure Metals	05/24/16 15:00	4	05/19/16 10:44	
T161044-10 A7-8.5' [Soil] Sampled 05/05/16 11:20 (GMT-08:00) Pacific Time (US &				
STLC Pb	05/24/16 15:00	4	11/01/16 11:20	+ Cu
STLC Leaching Procedure Metals	05/24/16 15:00	4	05/19/16 11:20	

WORK ORDER

T161044

Client: Jones Environmental

Project: SJ4 Burbank

Project Manager: Rose Fasheh

Project Number: 11235.002

Report To:

Jones Environmental

Karen Prame

11007 Forest Place

Santa Fe Springs, CA 90670

Date Due: 05/24/16 17:00 (4 day TAT)

Received By: Dan Marteski

Date Received: 05/18/16 15:57

Logged In By: Brian Charon

Date Logged In: 05/19/16 07:00

Samples Received at: **4.7°C**

Custody Seals No Received On Ice Yes

Containers Intact Yes

COC/Labels Agree Yes

Preservation Confir No

Analysis	Due	TAT	Expires	Comments
----------	-----	-----	---------	----------

T161044-01 B14-1' [Soil] Sampled 05/06/16 10:30 (GMT-08:00) Pacific Time (US &

STLC Pb	05/24/16 15:00	4	11/02/16 10:30	Cr only
---------	----------------	---	----------------	---------

STLC Leaching Procedure Metals	05/24/16 15:00	4	05/20/16 10:30	
--------------------------------	----------------	---	----------------	--

T161044-02 A3-1' [Soil] Sampled 05/04/16 13:09 (GMT-08:00) Pacific Time (US &

STLC Pb	05/24/16 15:00	4	10/31/16 13:09	Cu only
---------	----------------	---	----------------	---------

STLC Leaching Procedure Metals	05/24/16 15:00	4	05/18/16 13:09	
--------------------------------	----------------	---	----------------	--

T161044-03 A4-1' [Soil] Sampled 05/04/16 13:58 (GMT-08:00) Pacific Time (US &

STLC Pb	05/24/16 15:00	4	10/31/16 13:58	Cu only
---------	----------------	---	----------------	---------

STLC Leaching Procedure Metals	05/24/16 15:00	4	05/18/16 13:58	
--------------------------------	----------------	---	----------------	--

T161044-04 B4-1' [Soil] Sampled 05/04/16 13:00 (GMT-08:00) Pacific Time (US &

STLC Pb	05/24/16 15:00	4	10/31/16 13:00	
---------	----------------	---	----------------	--

STLC Leaching Procedure Metals	05/24/16 15:00	4	05/18/16 13:00	
--------------------------------	----------------	---	----------------	--

T161044-05 A5B-1 [Soil] Sampled 05/04/16 15:40 (GMT-08:00) Pacific Time (US &

STLC Pb	05/24/16 15:00	4	10/31/16 15:40	
---------	----------------	---	----------------	--

STLC Leaching Procedure Metals	05/24/16 15:00	4	05/18/16 15:40	
--------------------------------	----------------	---	----------------	--

WORK ORDER

T161044

Client: Jones Environmental

Project Manager: Rose Fasheh

Project: SJ4 Burbank

Project Number: 11235.002

Analysis	Due	TAT	Expires	Comments
T161044-06 A6-4.5' [Soil] Sampled 05/05/16 10:27 (GMT-08:00) Pacific Time (US &				
Cr6-7199	05/24/16 15:00	4	06/04/16 10:27	changed from method 7169 as per client request (5/23/16)
STLC Pb	05/24/16 15:00	4	11/01/16 10:27	+ Cr
STLC Leaching Procedure Metals	05/24/16 15:00	4	05/19/16 10:27	
T161044-07 A6-8.5' [Soil] Sampled 05/05/16 10:35 (GMT-08:00) Pacific Time (US &				
Cr6-7199	05/24/16 15:00	4	06/04/16 10:35	changed from method 7169 as per client request (5/23/16)
STLC Pb	05/24/16 15:00	4	11/01/16 10:35	+ Cr & Zn
STLC Leaching Procedure Metals	05/24/16 15:00	4	05/19/16 10:35	
T161044-08 A6-14.5' [Soil] Sampled 05/05/16 10:38 (GMT-08:00) Pacific Time (US &				
Cr6-7199	05/24/16 15:00	4	06/04/16 10:38	changed from method 7169 as per client request (5/23/16)
STLC Pb	05/24/16 15:00	4	11/01/16 10:38	Cr & Zn only
STLC Leaching Procedure Metals	05/24/16 15:00	4	05/19/16 10:38	
T161044-09 A6-20.5' [Soil] Sampled 05/05/16 10:44 (GMT-08:00) Pacific Time (US &				
Cr6-7199	05/24/16 15:00	4	06/04/16 10:44	changed from method 7169 as per client request (5/23/16)
STLC Pb	05/24/16 15:00	4	11/01/16 10:44	Cr only
STLC Leaching Procedure Metals	05/24/16 15:00	4	05/19/16 10:44	
T161044-10 A7-8.5' [Soil] Sampled 05/05/16 11:20 (GMT-08:00) Pacific Time (US &				
STLC Pb	05/24/16 15:00	4	11/01/16 11:20	+ Cu
STLC Leaching Procedure Metals	05/24/16 15:00	4	05/19/16 11:20	

Prepared for

Northridge Properties, LLC

15505 Roscoe Boulevard
North Hills, California 91343

HUMAN HEALTH RISK ASSESSMENT

**777 North Front Street
Burbank, California**

Prepared by

Geosyntec 
consultants

2100 Main Street, Suite 150
Huntington Beach, California 92648
Telephone: (714) 969-0800
Fax: (714) 969-0820
www.geosyntec.com

Project Number HR1305C

May 2017

HUMAN HEALTH RISK ASSESSMENT

**777 North Front Street
Burbank, California**

Prepared for

Northridge Properties, LLC

Geosyntec's services were performed and this report has been prepared in accordance with generally accepted professional standards of care applicable to the scope of services authorized by the client, and no other warranty is provided in connection therewith.

Consistent with applicable professional standards of care, our opinions and recommendations were based in large part on data furnished by others. Although we were not able to independently verify such data, we did evaluate it to determine whether it was consistent with other information that was developed in the course of our performance of this scope of services.



Cathy Villaroman
Senior Risk Assessor



Eric D. Smalstig, P.E.
Senior Principal

May 2017

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F-3 Soil Vapor to Indoor Air Pathway, Second Floor Exposure Scenario
(Parking at Grade/First Floor)

LIST OF ACRONYMS

%	percent
µg/dL	micrograms per deciliter
µg/m ³	micrograms per cubic meter
µg/mg	micrograms per milligram
95UCL	95% Upper Confidence Level
AER	Air Exchange Rate
AF	Attenuation Factor, soil vapor to indoor air
bgs	below ground surface
Cal-EPA	California Environmental Protection Agency
COPC	Chemical of Potential Concern
CR	Cancer Risk
CrVI	Hexavalent Chromium
CSF	Cancer Slope Factor
CSM	Conceptual Site Model
CV	Coefficient of Variation
DRO	Diesel Range Organics
DTSC	Department of Toxic Substances Control
EPC	Exposure Point Concentration
ECF	Exposure Concentration Factor
ESL	Environmental Screening Level
ft	feet
ft bgs	feet below ground surface
GOF	Goodness of Fit
HSAA	California Hazardous Substances Account Act
HHRA	Human Health Risk Assessment
HI	Noncancer Hazard Index
HQ	Hazard Quotient
IF	Intake Factor
IRIS	Integrated Risk Information System
kg/m ³	kilograms per cubic meter
LARWQCB	Los Angeles Regional Water Quality Control Board
mg/kg	milligrams per kilogram
mg/kg-d	milligrams per kilogram per day

LIST OF ACRONYMS (Continued)

OEHHA	Office of Environmental Health Hazard Assessment
ORO	Oil Range Organics
PCB	Polychlorinated Biphenyls
PEF	Particulate Emission Factor
RBC	Risk-Based Concentration
REL	Reference Exposure Level
RfC	Reference Concentration
RfD	Reference Dose
RMEE	Reasonable Maximum Estimates of Exposure
RSL	Regional Screening Level
SSL	Soil Screening Levels
SVE	Soil Vapor Extraction
SVOC	Semi-Volatile Organic Compound
TF	Transfer Factor
THQ	Target Hazard Quotient
TPH	Total Petroleum Hydrocarbons
USCS	Unified Soil Classification System
USEPA	United States Environmental Protection Agency
VF	Volatilization Factor
VOC	Volatile Organic Compound

1. INTRODUCTION

Geosyntec Consultants, Inc. (Geosyntec) has prepared this human health risk assessment (HHRA) for Northridge Properties, LLC to evaluate the potential risk to human health associated with residual concentrations of chemicals detected in soil and soil vapor samples collected from the 8-acre proposed mixed use development property located at 777 North Front Street in Burbank, California (“the Site”, **Figure 1**). The lead agency providing oversight for the HHRA is the Los Angeles Regional Water Quality Control Board (LARWQCB) and the Office of Environmental Health Hazard Assessment (OEHHA).

Site data collected during the soil vapor survey and soil investigation by Leighton and Associates, Inc. in May 2016 [Leighton, 2016] were utilized in this HHRA. Additional soil data from an investigation performed by Geosyntec in June 2012 were also utilized in this HHRA.

This HHRA presents the approach and methodologies that were used to estimate potential human health risks associated with residual concentrations of chemicals detected in soil and soil vapor samples collected from the Site. This HHRA evaluates the planned use of the property as a mixed-use residential and commercial complex, from construction to tenant occupancy.

1.1 Overview

Background information regarding the Site presented in this section is summarized from the *Soil Gas Survey and Soil Investigation, Eight-Acre Proposed Mixed Use Development* by Leighton [Leighton, 2016]. The Site property is located within a commercial/industrial area of Los Angeles County in the city of Burbank (**Figure 1**). The Site is bounded by the Interstate-5 Freeway to the northeast, North Front Street to the southwest, West Burbank Boulevard to the northwest and West Magnolia Boulevard to the southeast (**Figure 2**).

From the 1930’s to 1961, the Site was the location of a water heater manufacturing company with activities that included galvanizing, vulcanizing, plating, welding, and metalwork. From 1961 to 1991, the Site was owned and operated by Zero Corporation, whose operations included aluminum case drawing and washing, aluminum alodining (a metal coating process involving chromium and aluminum), chromate deoxidizing, steel phosphate coating and chromium sealing [Leighton, 2016]. Zero Corporation ceased operations on site in 1991. The buildings onsite were demolished in 2004, and there have been no significant Site uses since 1991. Northridge Properties, LLC purchased the Site in 2005, and is the current owner. The Site is currently vacant.

A number of previous environmental investigations have been performed on site and in the surrounding areas, primarily related to regional groundwater issues of elevated volatile organic

compounds (VOCs) and hexavalent chromium (CrVI) in the area. A brief summary of previous environmental investigations is included below [summarized from Leighton, 2016]:

- An initial Site investigation in 1991 by Targhee Inc. found that underlying soils in the vicinity of former clarifiers and former chemical/oils storage were impacted by VOCs and total petroleum hydrocarbons (TPH) in soils.
- A Site investigation performed in 1992 by Hydro Geo Chem, Inc., also indicated that Site soil vapor and soil were impacted by chlorinated VOCs. Additional investigations were performed to assess the extent of soil and soil vapor contamination. Remedial activities were performed by Hydro Geo Chem from 1998 to 2001, including a shallow soil vapor extraction (SVE) system and a deeper SVE system with air sparging wells.
- Soil sampling performed in 2005 by Golder & Associates in areas adjacent to potential polychlorinated biphenyl (PCB) sources did not indicate PCBs were a concern on site.
- A soil and soil vapor sampling investigation by Ninyo & Moore in 2009 of the northeastern portion of the Site indicated soil concentrations of CrVI above regional background and concentrations of VOCs in soil vapor above relevant human health screening criteria. The area of this investigation has since been deeded to CalTrans as a permanent easement in connection with an Interstate Highway No. 5 widening project.
- A soil investigation conducted by Geosyntec in 2012 found detectable levels of CrVI that were below the residential and commercial/industrial soil California Human Health Screening Levels (CHHSLs). The CrVI concentrations were above the USEPA residential soil regional screening level (RSL), but below the commercial/industrial soil RSL. Select soil samples were additionally analyzed for metals. The vertical distribution of CrVI in soil was inconsistent with historical releases of CrVI that would have affected groundwater and did not suggest that historical Site activities had contributed to the groundwater basin's regional CrVI contamination. Additional sampling in the area of Boring SS-4 (**Figure 2**) was performed in 2016 as well, with no detectable concentration of CrVI in shallow soils [Geosyntec, 2016].

The proposed redevelopment of the Site is a mixed-use residential and commercial complex. Proposed features include residential apartments, a hotel, ground floor commercial use, a park and bike hub with amphitheater style seating, multiple courtyards, and first floor (i.e., at grade) and subterranean parking structures (**Figure 6**).

1.2 Human Health Risk Assessment Approach

The overall approach that was used in this HHRA is consistent with guidelines provided by the United States Environmental Protection Agency (USEPA) and by Cal-EPA [USEPA, 1989;

1991ab; 2002; 2016; Cal-EPA 1996; 1997, 2011, 2015]. As described by the USEPA, a risk assessment is a predictive tool used to assess the potential human health risks associated with exposure to Site-related chemicals of potential concern (COPCs). There are five basic steps in the quantitative HHRA process, which are summarized briefly as follows:

- Data Evaluation and Selection of COPCs: COPCs at the Site (defined as potentially hazardous chemicals associated with the Site that are present at concentrations higher than background levels) are identified by reviewing environmental sampling data collected in soil and soil vapor. Site-specific physical characteristics, including soil properties and geology are also evaluated.
- Exposure Assessment: Potentially relevant populations that could be exposed to Site-related COPCs, based on the current and proposed land use plans, are identified. For each land use scenario, the magnitude, frequency, and duration of the exposures and the pathways by which humans could potentially be exposed to Site-related COPCs are evaluated. The exposure scenarios are summarized in the Conceptual Site Model (CSM), which includes the sources, affected media, release mechanisms, and exposure pathways for each identified receptor population.
 - Fate and Transport Modeling: Current agency-approved fate and transport models are used to estimate the movement of volatile COPCs from soil to outdoor air and soil vapor into indoor air. Both the Johnson and Ettinger Model [J&E, 1991; Cal-EPA, 2011] and the *Supplemental Guidance for Developing Soil Screening Levels for Superfund Sites* (Soil Screening Guidance) [USEPA, 2002] are used.
- Toxicity Assessment: The relationship between the magnitude of exposure and potential adverse health effects on each receptor (dose-response assessment) is presented for each COPC. Toxicity criteria for each COPC are identified and are then used to estimate the likelihood of adverse effects which potentially could occur at different exposure levels.
- Risk Characterization: Results of the exposure and toxicity assessments are analyzed and combined to develop COPC-specific Risk-Based Concentrations (RBCs) for each exposure scenario. The RBCs represent the concentrations of chemicals in the relevant environmental media (e.g., soil and soil vapor) that would be considered safe for current and future land uses under conservative exposure conditions. Comparison of the RBCs to the detected soil and soil vapor concentrations for a given land use can then be conducted to estimate the cumulative health risks posed by the presence of multiple COPCs. In addition, RBCs can be used in potential remedial decision-making to determine if further action is warranted.

- **Uncertainty Analysis:** The uncertainties associated with each of the previous steps are discussed to assist decision-makers in evaluating the HHRA results in the context of the assumptions and variability in the data used.

Since the Site is currently vacant, consistent with the proposed future land uses of the Site, this HHRA addresses potential onsite exposures to future residents, future commercial workers, as well as to future construction workers. Potential exposures to COPCs detected in shallow soils (i.e., generally up to 12 feet (ft) below existing grade) were evaluated for the direct contact pathways, as well as outdoor inhalation of volatile COPCs in outdoor air and nonvolatile COPCs in fugitive dust. Additionally, the potential for volatile COPCs to migrate from the subsurface into above-ground structures was also evaluated using soil vapor data. Potential exposures to VOCs migrating from groundwater, which is in excess of 100 ft below ground surface (ft bgs) at the Site [OTIE, 2016], into indoor air were not quantitatively evaluated in this HHRA. For the purposes of this HHRA, deeper zone onsite soils (i.e., generally greater than 12 ft to 30.5 ft below existing grade) are characterized by detected concentrations of VOCs in soil vapor samples. Direct contact to groundwater was not evaluated quantitatively in this HHRA as this was not determined to be a complete exposure pathway. The Site does not maintain natural resources required to support wildlife habitats; therefore, onsite ecological exposures were not evaluated quantitatively in this HHRA.

1.3 Report Outline

The remaining sections of this report are organized as follows:

- Section 2 presents the data evaluation for the HHRA, including the identification of COPCs and the evaluation of background metal concentrations in soil;
- Section 3 describes the Conceptual Site Model (CSM) for the Site, which identifies potential human receptors that could be exposed to the COPCs and the pathways through which exposures could occur. This section also presents the methodology for estimating the fate and transport of COPCs at the Site;
- Section 4 presents the COPC-specific toxicity criteria;
- Section 5 describes the methodology used to derive the RBCs, summarizes the RBCs developed for all populations included in this HHRA and presents the proposed risk management criteria;
- Section 6 presents the methodology used to evaluate cumulative cancer risk and noncancer hazard for each specific land use;
- Section 7 presents the uncertainty analysis;
- Section 8 presents the conclusions; and
- Section 9 presents the references used in this HHRA.

A summary of the analytical data used in this HHRA is provided in **Appendix A**. The background metals evaluation is presented in **Appendix B**. The calculation of Site-specific soil properties is presented in **Appendix C**. The fate and transport modeling used for the vapor intrusion pathway is presented in **Appendix D**. The RBC derivation is presented in **Appendix E**, while the details of the cumulative cancer risk and noncancer hazard calculations are presented in **Appendix F**.

2. DATA EVALUATION AND SELECTION OF CHEMICALS OF POTENTIAL CONCERN

An initial step in the HHRA process is an evaluation of available data to: 1) characterize the Site; 2) develop a data set for use in the estimation of potential risks; and 3) identify media-specific COPCs. Appropriate Site data must be available to support the characterization of chemical levels and media relevant to transport processes and exposure pathways. Federal [USEPA, 1989] and state [Cal-EPA, 2014]-recommended methods were used to select chemicals with the potential to contribute to overall human health. This section discusses the data evaluation that was conducted in this HHRA, as well as the methodology that was used to identify the COPCs for the Site.

2.1 Data Evaluation

A variety of samples have been collected at the Site. However, not all chemicals detected may be attributable to an onsite release and not all data may be of acceptable quality. Previous and recent data collected were evaluated to determine which of the chemicals identified are likely to be Site-related and to assess whether the reported concentrations for these chemicals are of acceptable quality for use in this HHRA.

The data evaluation was consistent with guidance provided by USEPA in their *Risk Assessment Guidance for Superfund* (1989) and *Guidance for Data Usability in Risk Assessments* (1992). The evaluation included:

- Evaluating the appropriateness of the analytical methods employed during the Site investigations in relation to the types of industrial processes and potential COPCs;
- Evaluating the quality of data with respect to sample quantification and detection limits;
- Examining laboratory qualifiers assigned to monitoring data and evaluating potential quality assurance/quality control problems; and
- Evaluating field duplicate samples.

The analytical data were also reviewed for potential qualifiers that may impact the HHRA significantly. Site data utilized in this HHRA included VOCs, TPH as diesel range organics (DRO) and oil range organics (ORO), metals, and CrVI results collected during the Leighton [2016] investigation, as well as metals and CrVI data collected by Geosyntec in 2012.

The Geosyntec 2012 investigation included soil borings at five locations, with samples collected approximately every 5 vertical feet below grade. All samples were analyzed for CrVI and select samples were analyzed for Title 22 metals. During the Site Investigation by Leighton

[Leighton, 2016], a total of 36 soil borings were advanced and sampled at multiple depths, and soil samples were analyzed for VOCs, TPH, and metals. Soil samples with total chromium results greater than 50 milligrams per kilogram (mg/kg) were subsequently analyzed for CrVI. Soil vapor probes were installed at the bottom of all borings, at various depths. Soil vapor samples were analyzed for VOCs.

The determination was made to utilize the Leighton [2016] and Geosyntec [2012] dataset in the HHRA (**Figure 2**), including all soil vapor samples and shallow soil samples collected from depths of 0 to 12 ft bgs, based on the following considerations:

- These two datasets are the most recently collected on site and therefore best represent current Site conditions. While previous investigations have included VOC analyses of soil and soil vapor samples from the Site, historical remediation activities conducted up to 2001 and the highly mobile nature of VOCs suggest previous datasets will not represent current Site conditions.
- Results of the 2009 Ninyo & Moore Site investigation were considered for inclusion in the HHRA dataset, but were not included, as this portion of the Site had since been deeded to CalTrans as a permanent easement and is not within the proposed redevelopment Site boundary. Additionally, a review of this 2009 dataset indicated that concentrations of VOCs and metals in soils were generally higher in the 2016 dataset. While some chemicals were detected in the 2009 dataset at higher concentrations or were not analyzed for in the more recent data collection effort, such as semi-volatile organic compounds (SVOCs) and polychlorinated biphenyls (PCBs), Ninyo & Moore's investigation concluded that concentrations of VOCs, metals, PCBs, SVOCs, and TPH in soil were below the Site-specific cleanup goals approved by the LARWQCB and were therefore not at a level of significant concern [Ninyo & Moore, 2009].

Within the retained HHRA dataset, field duplicates were evaluated as part of the data evaluation procedure. Field duplicates are collected to evaluate the quality of sample collection as well as sample analysis. Field duplicate samples are usually two samples collected simultaneously from the same sampling location and are used as measures of either the homogeneity of the medium sampled in a particular location or the precision in the sampling and sample handling (in transport and/or in the laboratory) [USEPA, 1989]. For cases where a field duplicate sample result is present for the same chemical in a sample, a single representative concentration for the sample was selected as follows:

- 1) If there is a detection in both samples, the higher concentration was selected;
- 2) If there is a detection in one sample but not the other, the detected concentration was selected; and

- 3) If both samples are nondetects, the lowest method detection limit was selected and appropriate techniques for handling nondetect data were applied in calculating statistics later in the data evaluation.

2.2 Selection of Chemicals of Potential Concern

USEPA risk assessment guidance presents a methodology for identifying which detected chemicals should be included in a quantitative HHRA. These are defined by USEPA [1989] as chemicals potentially related to the Site whose data are of sufficient quality for use in a quantitative HHRA. USEPA guidance states that the list of chemicals should include chemicals that were:

- 1) Positively detected in at least one sample;
- 2) Detected above levels of the same chemicals found in associated blank samples;
- 3) Tentatively identified, but may be associated with the Site based on historical information;
- 4) Transformation products of detected chemicals; and
- 5) Detected above naturally occurring levels (background).

Data determined to be of sufficient quality were carried forward into the COPC selection process described below.

Analytical results for shallow soil samples collected between 0 and 12 ft bgs (see **Table A-1 in Appendix A**) were used to evaluate the direct contact pathway and inhalation of fugitive dust and outdoor air vapors that may volatilize from soil. This soil interval was evaluated based on the assumption that 12 ft would be the likely maximum depth of disturbance during potential future redevelopment and Site use and maintenance activities, and is therefore the maximum depth of soil to which future receptor populations would likely be directly exposed.

Shallow zone soils are characterized by detected concentrations of VOCs and non-VOCs in soil matrix samples collected from 0 to 12 ft bgs (note: non-VOCs include inorganic constituents that exceed background concentrations, as described below). It is assumed that receptor populations may be directly exposed to VOCs and non-VOCs in shallow zone soils and that shallow zone soils contain a finite mass of VOCs available for upward diffusive and advective transport to the ground surface. This soil depth interval was evaluated for future residents and future workers (commercial and construction). Deeper zone soils and groundwater are not accessible for direct contact and were, therefore, not included in this evaluation.

Because soil vapor data are preferred over soil data for the evaluation of the vapor intrusion pathway [Cal-EPA, 2011], potential indoor air exposures estimated from soil samples were not

included in this HHRA. The potential exposure to VOCs in soil and/or underlying groundwater for the vapor intrusion pathway was evaluated through the use of the soil vapor data collected at 4, 15, 20, and 30 ft bgs (see **Table A-2** in **Appendix A**). Available soil matrix and soil vapor data were reviewed to determine their usability in this HHRA; the data were accepted.

The COPC screening process for inorganic compounds included a background metals evaluation following Cal-EPA guidance [Cal-EPA, 1997]. Metals were excluded from the HHRA if they were considered to be at or below naturally occurring background concentrations. A summary of the results of this background evaluation is discussed in the next section with the details presented in **Appendix B**. The statistical analysis conducted for metals is summarized in **Table 1**. The COPC screening process for TPH included a comparison to screening levels, which is described in Section 2.2.2 below.

The list of COPCs that were evaluated in this HHRA is summarized in **Table 2**. All organic chemicals detected in at least one sample in a given media were included as COPCs. A summary of analytical results used in this HHRA for soil and soil vapor is presented in **Appendix A**.

2.2.1 Background Metals Evaluation

Based on the results of the background metals evaluation (see **Appendix B**), concentrations of arsenic, barium, cobalt, mercury, molybdenum, nickel, and vanadium in soils were considered to be within background levels for the Site. For arsenic, the maximum concentration in soil (6.8 mg/kg) was compared to the regional background level of 12 mg/kg [Cal-EPA, 2008] and was determined to be within background. For beryllium and molybdenum, too few samples had detectable concentrations to perform robust statistical analysis; therefore, only the coefficient of variation (CV) and the presence of inflection points were considered as outlined in **Appendix B**. For molybdenum, the CV was less than one, and no inflection point could be identified; therefore, this metal was considered within background. Beryllium was carried forward as a COPC due to elevated detection limits in the dataset. For cadmium, total chromium, copper, lead, nickel, vanadium and zinc, more than one population could be distinguished (an ambient and a potentially Site-impacted population). Additionally, the plots for total chromium, copper, lead, and zinc did not indicate a goodness of fit (GOF) to a particular distribution. The CVs for cadmium, copper, lead and zinc were greater than 1. CrVI was included in the background evaluation; however, as CrVI is a known regional contaminant of concern, it was carried forward as a COPC. Therefore, concentrations of beryllium, cadmium, total chromium, CrVI, copper, lead, and zinc were considered above background or of regional concern as they relate to this Site. These metals were thus selected as COPCs to be quantitatively evaluated in this HHRA.

Details of the background metals evaluation are presented in **Appendix B**.

2.2.2 Evaluation of Total Petroleum Hydrocarbons

TPH as DRO and ORO detected in the soil matrix (see **Table A-1** in **Appendix A**) were evaluated by comparing the data to the San Francisco Bay Regional Water Quality Control Board (SFRWQCB)-approved Tier 1 Environmental Screening Levels derived for protection of residential land use [ESLs; SFRWQCB 2016].

ORO (C29-C32) was detected in soil samples collected between 0 and 12 ft bgs at concentrations ranging from nondetect to 169 mg/kg, which were all less than the TPH motor oil Tier 1 ESL of 5,100 mg/kg. DRO (C10-C28) was detected in soil between 0 and 12 ft bgs at concentrations ranging from nondetect to 241 mg/kg, with only the maximum detected concentration slightly exceeding the Tier 1 ESL of 230 mg/kg. The average DRO concentration is 13 mg/kg with the 95 percent upper confidence limit (95UCL) of the average concentration at 16.7 mg/kg. Both the average and 95UCL DRO concentrations are well below the ESL. Therefore, TPH compounds were not selected as COPCs to be quantitatively evaluated in this HHRA.

3. EXPOSURE ASSESSMENT

The exposure assessment quantifies the magnitude, frequency, and duration of COPC intake (daily intake) by receptor populations using USEPA and Cal-EPA guidelines, Site-specific information, and professional judgment, as appropriate. To determine whether the levels of COPCs present in soil and soil vapor would pose a health risk to human populations, it is necessary to identify the receptors (populations) that may potentially be exposed to these COPCs and determine the pathways by which the exposures may occur. Once the potentially exposed populations are identified, the complete exposure pathways by which the individuals may contact COPCs must be determined. A complete exposure pathway requires a source and mechanism of chemical release, a point of potential human contact within the impacted medium, and an exposure route (e.g., ingestion) at the contact point. These source-pathway-receptor relationships provide the basis for the quantitative exposure assessment. Potentially complete source-pathway-receptor relationships which were included in this HHRA are depicted in the Conceptual Site Model (CSM) discussed below.

3.1 Conceptual Site Model

The CSM identifies potential chemical sources, release mechanisms, transport media, routes of chemical migration through the environment, exposure media, and potential receptors. Potential receptors that may be exposed to Site-related chemicals are identified in the CSM to help assess the likelihood and extent of their potential exposures.

A general CSM for this HHRA was constructed based on a review of the available Site information regarding the environmental setting and chemical distribution in environmental media. The CSM, presented in **Figure 3**, represents the current understanding of the sources of COPCs, the means by which they may be released and transported within and among media, and the exposure pathways and routes by which they may contact human receptors. The major components of the CSM are discussed below.

3.1.1 Chemical Characteristics and Potential Exposure Routes

Potential exposure to COPCs detected in soil and soil vapor at the Site is partly dependent on the type of chemicals that are present and the respective exposure media. Potential exposure routes to be considered include both direct and indirect contact with soil and soil vapor. If volatile chemicals are detected in soil vapor, indirect exposures (indoor inhalation) from vapors migrating from the subsurface may occur. If metals are detected in soil, the direct contact routes of exposure, such as incidental ingestion or dermal contact, are the most relevant.

3.1.2 Identification of Potential Receptors and Exposure Pathways

The Site is currently vacant. The proposed redevelopment plans for the Site will include future residential and commercial uses. Therefore, the onsite receptors that were evaluated in this HHRA consisted of a future resident and a future commercial worker. In addition, a construction worker was evaluated for potential exposures during redevelopment activities.

Exposure pathways associated with potential domestic use of groundwater are not considered to be complete and are therefore not quantified in this HHRA. Groundwater is not currently used nor is it reasonably expected to be used in the future at the Site. Pathways associated with surface waters are not considered in the HHRA because there are no surface waters within the bounds of the Site. The concrete-lined Burbank Western Channel is off site to the west of the railroad tracks and is not considered to impact the Site.

The exposure pathways evaluated in this HHRA include indoor inhalation of volatiles from soil vapor and exposures via direct contact to soils (incidental ingestion and dermal contact with soils) and outdoor air inhalation. Outdoor air inhalation was not evaluated for soil vapor, as the indoor air pathway is the most sensitive exposure for this media and provides the most conservative evaluation of potential health risks associated with soil vapor exposure. The receptors and exposure pathways selected for evaluation in this HHRA were based on these considerations and are discussed in more detail below.

3.1.2.1 Future Resident

The proposed redevelopment for the Site includes two residential buildings expected to be 6-story structures with ground floor parking and a lobby (**Figure 6**). Conservatively, residential exposures via direct contact to soils (incidental ingestion and dermal contact with soils) and outdoor air inhalation were evaluated in this HHRA. The potential also exists for vapor migration into indoor air from COPCs detected in soil vapor; therefore, potential indoor air exposures to future residents at the Site were quantitatively evaluated in this HHRA in both a “slab-on-grade” exposure scenario and a “second floor” exposure scenario for comparison purposes.

It was also conservatively assumed that future residents will be on site for 24 hours each day, 7 days per week for 50 weeks each year (350 days per year) for 26 years.

3.1.2.2 Future Commercial Worker

The proposed redevelopment includes commercial uses of the Site such as retail shops and hospitality services. Current plans include a hotel with retail, food service and other

amenities, along with courtyards, a bike hub and park. It is anticipated that the majority of the Site will be covered by pavement and buildings following redevelopment, which reduces the potential for direct exposure to soils. However, commercial exposures via direct contact to soils (incidental ingestion and dermal contact with soils) and outdoor air inhalation were evaluated in this HHRA. The potential also exists for vapor migration into indoor air from COPCs detected in soil vapor; therefore, potential indoor air exposures to workers at the Site were quantitatively evaluated in this HHRA.

It was assumed that future commercial workers will be on site for 8 hours each day, 5 days per week for 50 weeks (250 days per year) for 25 years. In addition, workers were assumed to be either outdoors or indoors for the full exposure duration since a worker could not be both indoors and outdoors at the same time, but would likely spend a portion of the day in each location.

3.1.2.3 Future Construction Worker

Construction workers will be involved in Site grading and excavation for footings and utility lines during Site redevelopment. Due to the estimated maximum depth of typical footings and utilities, it is assumed that construction workers may potentially be exposed to COPCs in the top 12 ft of soil. Such activities may potentially expose a construction worker to COPCs in shallow soil via dermal contact and incidental ingestion. The construction worker may also be exposed via inhalation to COPCs which migrate from soil to outdoor air and to COPCs present in airborne dust generated by wind erosion and by intrusive soil-handling activities.

It was assumed that future construction workers will be on site for 8 hours each day, 5 days per week for 50 weeks during a single construction event for up to 1 year (i.e., 250 days per year of exposure). Although their exposures were evaluated in this HHRA, it is anticipated that potential exposure to construction workers would be minimized by adherence to Health and Safety plans that may potentially be required for work on the Site during potential redevelopment.

3.1.3 Exposure Assumptions

The proposed exposure parameters for the receptors identified above are listed in **Table 3** and are consistent with those recommended by Cal-EPA and USEPA.

3.1.4 Summary of Selected Exposure Pathways

An exposure pathway describes a specific environmental pathway by which an individual (receptor) can be exposed to COPCs present at or originating from a source. The following five elements comprise a complete exposure pathway:

- A source of chemical;
- A mechanism of chemical release to the environment;
- An environmental transport medium (e.g., soil or air);
- A point of potential human contact with the medium; and
- A means of entry (i.e., intake route) into the body (e.g., ingestion).

There must be a complete exposure pathway from the source of chemicals in the environment (i.e., from soil or air) to human receptors in order for chemical intake to occur. If all exposure pathways are incomplete for human receptors, no chemical intake occurs and hence, no human health effects are associated with site-related COPCs.

Given the characteristics of the COPCs and the Site conditions, several exposure pathways have been identified as potentially complete. The CSM (**Figure 3**) presents a summary of the exposure pathways for each receptor evaluated in this HHRA. The following table summarizes the receptor groups, exposure medium and potential exposure pathways that were evaluated quantitatively in this HHRA.

Receptor Population	Exposure Medium	Potentially Complete Exposure Pathway
Future Resident	Shallow Soil (0 - 12 ft bgs)	<ul style="list-style-type: none"> • Incidental Ingestion • Dermal Contact • Outdoor Fugitive Dust Inhalation • Outdoor Vapor Inhalation
	Soil Vapor	<ul style="list-style-type: none"> • Indoor Air Inhalation
Future Commercial Worker	Shallow Soil (0 - 12 ft bgs)	<ul style="list-style-type: none"> • Incidental Ingestion • Dermal Contact • Outdoor Fugitive Dust Inhalation • Outdoor Vapor Inhalation
	Soil Vapor	<ul style="list-style-type: none"> • Indoor Air Inhalation
Future Construction Worker	Shallow Soil (0 - 12 ft bgs)	<ul style="list-style-type: none"> • Incidental Ingestion • Dermal Contact • Outdoor Fugitive Dust Inhalation • Outdoor Vapor Inhalation

3.2 Fate and Transport Modeling

Fate and transport modeling is the quantitative analysis of how chemicals move through the environment and how they are transformed by processes such as chemical reaction and biological degradation. In the context of this HHRA, fate and transport modeling was employed to predict the movement of COPCs from impacted media (i.e., soil and soil

vapor) to points of exposure for human populations. Also adding to the conservative nature of this evaluation, with respect to fate and transport modeling, chemical transformation processes of chemical reaction and biological degradation were not evaluated in this HHRA for the Site.

Fate and transport modeling was required to assess the indirect-exposure pathways identified in the CSM (**Figure 3**). Specifically, the following are the distinct transport mechanisms for which fate and transport modeling was employed:

- Transport of particulate-phase COPCs from soil matrix to outdoor air;
- Transport of vapor-phase COPCs from soil matrix to outdoor air; and
- Transport of vapor-phase COPCs from soil vapor to indoor air (vapor intrusion pathway).

For each of these transport mechanisms, fate and transport modeling was employed to quantify the relationship between the COPC concentration in the impacted medium (soil or soil vapor) and the COPC concentration in the exposure medium (indoor or outdoor air). The relationship is expressed in the form of a “transfer factor,” defined as, the ratio of the COPC concentration in the exposure medium to the COPC concentration in the impacted medium. The specific definition of the TF for each of the transport mechanisms identified above is presented in **Table 4**. The TFs were used in the intake factor and exposure concentration factor equations presented in the Sections below to derive COPC-specific RBCs. The fate and transport modeling that was used to assess the indirect-exposure pathways and the methodology for calculation of TFs are further discussed below.

3.2.1 Fugitive Dust Emissions into Outdoor Air

Metals were detected in soil at the Site at concentrations above background levels. It is assumed that these COPCs could become airborne due to fugitive dust emissions; therefore, exposure to these chemicals may occur via inhalation of fugitive dust. Inhalation exposure to non-volatile compounds is typically minor in fugitive dust when compared to direct ingestion exposure [USEPA, 2002]. Nevertheless, a relationship can be estimated between the COPC concentration in soil and the corresponding concentration in air (secondary media) attributable to fugitive dust emissions from soil.

Potential exposure to airborne dust is estimated using a TF called the particulate emission factor (PEF), which relates the chemical concentration in soil to the concentration of dust particles in outdoor air. The PEF is defined as the ratio of the COPC concentration in outdoor air to the COPC concentration in soil:

$$PEF = \frac{C_s}{C_{oa}}$$

Where:

- PEF = particulate emission factor (mg/kg per mg/m³, or m³/kg);
C_s = concentration of COPC in soil (mg/kg); and
C_{oa} = concentration of COPC in outdoor air (mg/m³).

The PEF is related to the concentration of particulate matter (dust) in air:

$$PEF = \frac{1}{CD}$$

Where:

- CD = concentration of dust in air (kg/m³).

The PEF represents an annual average emission rate based on wind erosion. The PEF equation can be found in the Soil Screening Guidance [USEPA, 2002]. The emissions part of the PEF equation is based on the “unlimited reservoir” model developed to estimate PM₁₀ emissions (particulate matter less than 10 micrometers in diameter) due to wind erosion (Cowherd et al., 1985).

3.2.1.1 Future Resident/Future Commercial Worker PEF

For the future resident and future commercial worker, the following equation was used to estimate the PEF [USEPA, 2002]:

$$PEF_{res/commW} = \frac{(Q/C_{res/commW} \times CF)}{[0.036 \times (1 - G_{res/commW}) \times \left(\frac{U_M}{U_T}\right)^3 \times F_x]}$$

Where:

- PEF_{res/commW} = particulate emission factor, cubic meters per kilogram (m³/kg);
Q/C_{res/commW} = inverse of the ratio of the geometric mean air concentration to the emission flux at center of the source (g/m²-s per kg/m³);
CF = units conversion factor (3,600 s/hr);
0.036 = empirical constant (g/m²-hr);
G_{res/commW} = fraction of vegetative or other cover [0.5 unitless; USEPA, 2002];

- U_M = mean annual wind speed [3.31 m/sec, average wind speed for Los Angeles; NCDC, 2010];
- U_T = equivalent threshold value of wind speed at 7 meters above ground surface (11.32 m/sec; USEPA, 2002); and
- F_x = function dependent on U_M/U_T [0.00474 unitless; USEPA, 1996].

The dispersion coefficient (Q/C) in units of grams per square meter-second per kilogram per cubic meter ($\text{g/m}^2\text{-s per kg/m}^3$) was generated using the Industrial Source Complex model and varies depending on the source area, city, and climatic zone. This term accounts for the dispersion of particulate matter after emission and was estimated using the following equation [USEPA, 2002]:

$$Q/C = A \times \exp\left[\frac{(\ln A_{\text{SITE}} - B)^2}{C}\right]$$

Where:

- Q/C = inverse of the ratio of the geometric mean air concentration to the emission flux at center of the source ($\text{g/m}^2\text{-s per kg/m}^3$);
- A_{SITE} = areal extent of soil impact; default 0.5-acre source in Los Angeles [USEPA, 2002];
- A = coefficient; default = 11.911, based on air dispersion modeling for specific climate zones [unitless; USEPA, 2002];
- B = coefficient; default = 18.4385 [unitless; USEPA, 2002]; and
- C = coefficient; default = 209.7845 [unitless; USEPA, 2002].

The A_{SITE} value of 0.5 acre is based on a default source size, which is generally considered an appropriate assumption for a typical exposure unit [USEPA, 2002]. The coefficients A , B , and C are for the Los Angeles area [USEPA, 2002]. A $Q/C_{\text{res/commW}}$ value of 68.18 $\text{g/m}^2\text{-s per kg/m}^3$ was estimated as the inverse of the mean concentration at the center of a 0.5-acre square source. The resulting PEF for a future resident and a future commercial worker is $1.2 \times 10^{11} \text{ m}^3/\text{kg}$ (**Table 5**). This PEF was incorporated into the exposure concentration factor equation for outdoor inhalation of particulates in this HHRA.

3.2.1.2 Future Construction Worker PEF

A Site-specific, time-weighted PEF was used in this HHRA for the future construction worker based on the assumption that only a fraction of the construction time would have elevated dust levels. During times of intrusive activities, such as site grading, fugitive dust emissions are expected to be higher. During other times, such as building construction, fugitive dust emissions are expected to be lower and due only to wind-

blown dust. The Site-specific, time-weighted PEF was developed to account for these differences in emission mechanisms coupled with the estimated time in which intrusive or non-intrusive construction activities would take place. It is assumed that the intrusive soil-handling activities will be conducted for a portion of the exposure duration for the future construction worker (e.g., intrusive soil handling would occur for the first 60 days of construction when Site soils will be graded and the emissions during the remaining 190 working days, of the total 250 working days, would primarily be due to the more passive emission mechanisms such as wind-blown dust).

As noted above, the PEF is related to the concentration of particulate matter (dust) in air:

$$PEF = \frac{1}{CD}$$

Where:

CD = concentration of dust in air (kg/m³).

Therefore, the Site-specific, time-weighted PEF is the sum of the contributions from the total dust concentration from intrusive activities (e.g., soil excavation, dumping, or hauling that may potentially generate relatively high levels of dust) and from non-intrusive activities (e.g., wind erosion of surface soil expected to generate lower levels of dust), as follows:

$$PEF_{\text{constW}} = \frac{1}{CD_{\text{TOT}}} = (CD_{\text{INTR}} + CD_{\text{WIND}})^{-1}$$

Where:

CD_{TOT} = total concentration of dust in air (kg/m³);

CD_{INTR} = concentration of airborne dust resulting from intrusive soil-handling activities (kg/m³); and

CD_{WIND} = concentration of airborne dust resulting from wind erosion (kg/m³).

The dust concentration resulting from intrusive work (e.g., excavation, dumping, hauling, and other soil-handling activities) is assumed to be equal to 1 mg/m³ or 1×10⁻⁶ kg/m³ [Cal-EPA, 2014]¹ for the future construction worker:

¹ The respirable dust concentration of 1 mg/m³ is based on a maximum concentration of dust in air of 10 mg/m³ recommended by the American Conference of Governmental Industrial Hygienists (ACGIH 2004,

$$CD_{INTR} = 1 \times 10^{-6} \text{ kg/m}^3$$

The concentration of dust in air resulting from dust emissions due to unpaved road traffic and wind erosion was calculated as:

$$CD_{WIND} = \frac{0.036 \times (1 - G_{constW}) \times \left(\frac{U_M}{U_T} \right)^3 \times F_x}{CF} \times \frac{1}{(Q/C_{p,cw})}$$

Where:

- CD_{WIND} = concentration of airborne dust resulting from dust emissions from unpaved road traffic and wind erosion (kg/m^3);
- 0.036 = empirical constant ($\text{g/m}^2\text{-hr}$);
- G_{constW} = fraction of vegetative or other cover (0, unitless);
- U_M = mean annual wind speed [3.31 m/sec, average wind speed for Los Angeles; NCDC, 2010];
- U_T = equivalent threshold value of wind speed at 7 meters above ground surface (11.32 m/sec) [USEPA, 2002];
- F_x = function dependent on U_M/U_T derived using Cowherd et al. [1985] (0.00474, unitless) [USEPA, 1996];
- CF = units conversion factor (3,600 sec/hr); and
- $Q/C_{p,cw}$ = inverse of the ratio of the geometric mean air concentration to the emission flux at center of the source ($\text{g/m}^2\text{-sec}$ per kg/m^3) [USEPA 2002].

The first term of the equation for CD_{WIND} represents the emission rate of particulate matter from the ground surface to air (i.e., erosion). This flux is a function of wind speed and surface vegetation. The 0% coverage assumes that source area is essentially exposed where bare soil is available for contact.

The second term of the equation for CD_{WIND} is the inverse of the ratio of the geometric mean air concentration to the emission flux along a straight road segment bisecting a square site. Therefore, the equation above accounts for both wind erosion emissions and emissions from other construction activities (e.g., traffic on unpaved roads). According

Threshold Limit Values and Biological Exposure Indices), and the assumption that 10 percent of the mass of particles are in the respirable PM_{10} range.

to USEPA, construction traffic on impacted, unpaved roads “typically accounts for the majority of emissions, with wind erosion, excavation soil dumping, dozing, grading, and tilling operations contributing lesser emissions. The ambient air dispersion of emissions, therefore, is different for these two classes of emission sources” [USEPA, 2002]. Therefore, the equation presented above, CD_{WIND} , accounts for subchronic exposures to dust from unpaved road traffic and from other construction activities (including wind erosion). The subchronic dispersion factor ($Q/C_{p,cw}$) term of the above equation was calculated as:

$$(Q/C_{p,cw}) = A \times \exp \left[\frac{(\ln A_{SITE} - B)^2}{C} \right]$$

Where:

- A_{SITE} = areal extent of soil impact (future construction worker Site-specific = 8 acres);
- A = coefficient; default = 12.9351, based on air dispersion modeling [unitless; USEPA, 2002];
- B = coefficient; default = 5.7383 [unitless; USEPA, 2002]; and
- C = coefficient; default = 71.7711 [unitless; USEPA, 2002].

A subchronic ($Q/C_{p,cw}$) dispersion factor of 15.59 g/m²-s per kg/m³ was estimated as the inverse of the mean concentration at the center of the 8-acre Site for a future construction worker. The PEF_{constW} for the future onsite construction worker was estimated as a time-weighted average:

$$PEF_{constW} = \left(\frac{\left[(CD_{INTR}) \times \left(\frac{8 \text{ hr}}{8 \text{ hr}} \right) \times (EF_i) \right] + \left[(CD_{WIND}) \times \left(\frac{8 \text{ hr}}{8 \text{ hr}} \right) \times (EF_w) \right]}{EF} \right)^{-1}$$

Where:

- EF_i = exposure frequency during intrusive activities (construction worker = 60 days);
- EF_w = exposure frequency during the remaining wind-dispersed exposure period (construction worker = 190 days); and
- EF = exposure frequency, total number of days at the Site (construction worker = 250 days).

This equation results in a Site-specific PEF_{constW} of $4.2 \times 10^6 \text{ m}^3/\text{kg}$ for the future construction worker. This PEF_{constW} was incorporated into the exposure concentration factor equation for outdoor inhalation of particulates in this HHRA. The inverse of the PEF equation results in an average dust concentration (CD) of $2.4 \times 10^{-7} \text{ kg/m}^3$, or $240 \text{ } \mu\text{g/m}^3$ of dust (**Table 5**).

3.2.2 Fugitive Dust Emissions into Outdoor Air

Because VOCs were detected in soil samples collected at the Site, individuals could potentially be exposed to vapors migrating through the soil to outdoor air. Therefore, outdoor air exposures were evaluated for VOCs detected in soil, as discussed below.

Potential migration of vapors from vadose zone soil to outdoor air was estimated using the volatilization factor (VF), as presented in Section 4.2.3 of the *Soil Screening Guidance* [USEPA, 2002; Equation 4-8: *Derivation of the VF*]. Site-specific soil physical property data (e.g., bulk density, porosity) for shallow soils collected between 0 to 14 ft bgs were used to derive COPC-specific VFs for the soil to outdoor air pathway (see **Table 5**) based on the geotechnical investigation performed by Geocon West dated 12 February 2016. Details of the calculation of site-specific soil properties are provided in **Appendix C**. The VF was used in this HHRA to estimate outdoor inhalation exposures for future residents, future commercial workers, and future construction workers.

3.2.2.1 Future Resident and Future Commercial Worker VF

For future residents and future commercial workers, COPC-specific VFs were derived using the following equation [USEPA, 2002]:

$$VF_{soil} = \frac{Q/C \times \left(10^{-4} \frac{\text{m}^2}{\text{cm}^2} \right) \times (3.14 \times D_A \times T)^{1/2}}{(2 \times Pb \times D_A)}$$

Where:

- Q/C = inverse of the ratio of the geometric mean air concentration to the emission flux at center of the source ($\text{g/m}^2\text{-sec}$ per kg/m^3) and is the same as that calculated in Section 3.2.1.1;
- D_A = COPC-specific apparent diffusivity (cm^2/sec);
- T = exposure interval (future resident 26 years = 8.2×10^8 commercial worker 25 years = 7.9×10^8 sec); and
- Pb = dry soil bulk density (1.77 g/cm^3).

And where:

$$D_A = \frac{\left(\frac{D_{\text{air}} \times \theta_a^{3.33}}{\theta_T^2} \right) + \left(\frac{D_{\text{water}} \times \theta_w^{3.33}}{H \times \theta_T^2} \right)}{(\text{Pb} \times K_{oc} \times \text{foc}) + \theta_w + (\theta_a \times H)}$$

Where:

- D_{air} = COPC-specific vapor diffusion coefficient in air (cm²/sec);
- D_{water} = COPC-specific molecular diffusion coefficient in water (cm²/sec);
- θ_a = air-filled porosity (0.109 cm³-air/cm³-soil);
- θ_w = water-filled porosity (0.224 cm³-water/cm³-soil);
- θ_T = total soil porosity (0.333 cm³-air/cm³-soil);
- H' = COPC-specific Henry's law coefficient (unitless);
- Pb = dry soil bulk density (1.77 g/cm³);
- K_{oc} = COPC-specific soil organic carbon partition coefficient (cm³/g); and
- foc = fraction organic carbon in soil [0.006 g/g; USEPA, 2016 default].

The COPC-specific VF_{soil} for a future resident and (VF_{res}) and future commercial worker (VF_{commw}) are presented in **Table 5**. These VFs were incorporated into the exposure concentration factor equation for outdoor inhalation of VOCs detected in vadose zone soil for a future resident and future commercial worker.

3.2.2.2 Future Construction Worker VF

The Q/C term for a future construction worker is specific to sub-chronic inhalation exposures and not specific to climatic zone, which differs from the residential Q/C term. Therefore, for future construction workers, a $\text{Q/C}_{\text{vol,cw}}$ dispersion factor was estimated as the inverse of the ratio of the geometric mean air concentration to the emission flux at center of the source using the following equation [USEPA, 2002]:

$$\text{Q/C}_{\text{vol,cw}} = A \cdot \exp \left[\frac{(\ln A_{\text{SITE}} - B)^2}{C} \right]$$

Where:

- A_{SITE} = areal extent of soil impact (future construction worker = 8 acres);
- A = coefficient; default = 2.4538, based on air dispersion modeling [unitless; USEPA, 2002];
- B = coefficient; default = 17.566 [unitless; USEPA, 2002]; and

C = coefficient; default = 189.0426 [unitless; USEPA, 2002].

A $Q/C_{vol,cw}$ of $8.73 \text{ g/m}^2\text{-s}$ per kg/m^3 was estimated as the inverse of the mean concentration at the center of the 8-acre Site for a future construction worker. COPC-specific VF_{constW} for future construction worker exposures were derived using the following equation [USEPA, 2002]:

$$VF_{constW} = Q/C_{vol,cw} \times \left(\frac{1}{F_D} \right) \times \frac{\left(10^{-4} \frac{\text{m}^2}{\text{cm}^2} \right) \times (3.14 \times D_A \times T_{constW})^{1/2}}{(2 \times Pb \times D_A)}$$

Where:

- VF_{constW} = COPC-specific volatilization factor for a future construction worker (m^3/kg);
- $Q/C_{vol,cw}$ = inverse of the ratio of the geometric mean air concentration to the emission flux at center of the source ($\text{g/m}^2\text{-sec}$ per kg/m^3);
- F_D = sub-chronic dispersion correction factor (unitless);
- D_A = COPC-specific apparent diffusivity (cm^2/sec);
- T_{constW} = exposure interval (construction worker for 1 year = 3.2×10^7 sec); and
- Pb = dry soil bulk density (1.77 g/cm^3).

The subchronic dispersion correction factor, F_D , was used in the equation for a future construction worker to adjust for the shorter, 1-year construction duration. The F_D of 0.188 was estimated using the following equation [USEPA, 2002]:

$$F_D = 0.1852 + \frac{5.3537}{tc} + \frac{-9.6318}{(tc)^2}$$

Where:

- 0.1852 = constant [unitless, US EPA 2002];
- 5.3537 = constant [unitless, US EPA 2002];
- 9.6318 = constant [unitless, US EPA 2002]; and
- t_c = duration of construction ($250 \text{ days/yr} \times 8 \text{ hours/day} = 2,000 \text{ hrs}$).

The COPC-specific VF_{constW} for a future construction worker are presented in **Table 5**. These VFs were incorporated into the exposure concentration factor equation for outdoor inhalation of VOCs detected in soil for a future construction worker.

3.2.3 Vapor Emissions into Indoor Air

The potential exists for VOCs to volatilize from the subsurface and migrate into indoor air. This pathway was evaluated using the Johnson and Ettinger [J&E, 1991] subsurface vapor intrusion model [USEPA, 2004] along with updated chemical physical properties from the USEPA RSL table [USEPA, 2016]. The model accounts for the diffusion of chemicals through the subsurface, the advection of chemicals through soil and concrete slabs due to pressure differentials between the soil and buildings, and the mixing in indoor air caused by heating and ventilation systems.

Soil vapor data are typically the preferred medium from which to evaluate the vapor intrusion pathway [Cal-EPA, 2011]. Therefore, potential indoor air exposure to VOCs in soil for the vapor intrusion pathway was evaluated through the use of the soil vapor data. Concentrations at each location and depth were evaluated so as to provide a complete profile of potential cancer risks and noncancer hazards associated with soil vapor at the Site. Therefore, soil vapor RBCs were derived based on modeled soil vapor attenuation factors and Site-specific sampling depths (e.g., 4, 15, 20 and 30 ft bgs).

Geotechnical data for soil samples collected at the Site were reviewed to characterize soil property parameters for use in the vapor intrusion modeling (**Appendix C**). Based on review of the geotechnical investigation report by Geocon [2016], two distinct soil layers were identified at the Site. A layer of fill materials exists from the existing Site surface to approximately 14 ft bgs. Below the fill layer is a layer of alluvial soils that continued to the maximum exploration depth of 61.5 ft bgs. Based upon the boring logs and geotechnical laboratory data [Geocon, 2016], the soils at the Site are predominantly sandy silts, silty sands, and sands with varying amounts of gravel. Bulk density, total porosity, air-filled and water-filled porosities were derived for both the upper fill material 0-14 ft bgs, and the deeper alluvium (greater than 14 ft bgs), considered as Strata A and B, respectively, in the J&E model.

The J&E vapor intrusion model requires the characterization of several building-specific parameters including building size (area and floor height), slab thickness, crack fraction (the ratio of crack area to building area), ventilation rate, and volumetric flow rate of soil vapor into the building. For a future resident, the DTSC default building dimensions (1000 centimeters, cm × 1000 cm) with a ceiling height of 8 feet (244 cm) were used in the model [Cal-EPA, 2011] along with an air exchange rate (AER) of 0.5 exchange per hour (hr⁻¹). For a future commercial worker, the DTSC default building dimensions (1000 centimeters, cm × 1000 cm) with a ceiling height of 12 feet (366 cm) were used in the model [Cal-EPA, 2011] along with an AER of 1 exchange hr⁻¹. The DTSC default volumetric flow rate of soil vapor into the building, Q_{soil} , value of 5 liters per minute (L/min) per 100 m² of floor space to represent the flow rate of COPCs from directly below

the building foundation into indoor air [Cal-EPA, 2011] was also used in the model. The USEPA version of the J&E spreadsheets was used to calculate the COPC-specific soil vapor to indoor air attenuation factors, AF_{SV-IA} (also called indoor air transfer factors, TFs), based on the model input parameters presented in **Table 6**.

Two exposure scenarios were considered for the indoor air pathway evaluation based on the potential building designs indicated in the proposed redevelopment plans. First, a slab-on-grade scenario was evaluated to represent a reasonable maximum exposure for future residents living, and future commercial workers working, on the first floor of the building using the parameters describe above. Additionally, a second floor exposure scenario was evaluated in this HHRA based on the proposed redevelopment plans for a first floor parking garage, where residential or commercial units begin on the second floor above a ground floor parking garage. The J&E model was parameterized using assumptions for a ground floor parking garage, assuming DTSC default building dimensions $(1000\text{ cm} \times 1000\text{ cm})^2$ with a ceiling height of 12 feet [366 cm; Cal-EPA, 2011] along with an AER of 0.75 exchange hr^{-1} .

The J&E model was used to calculate the attenuation factor for soil vapor to ground floor indoor air (slab-on-grade scenario). For the second floor exposure scenario, a leakage factor for vapor migration between the ground floor parking garage and the second floor was then used to calculate an overall attenuation factor for future residents and future commercial workers on the second floor. A leakage factor for indoor air flow between floors was established based on published studies of air flow distribution in multi-family buildings [Feustel and Diamond, 1996 and Center for Energy and Environment, 2004]. In these studies, measured air leakage between residential units on the lower floors ranged from less than 4% to approximately 2%. These studies were conducted on multi-family buildings in colder climates (Minnesota and Massachusetts) where stack effects are likely to be more significant than in California. To account for the additional attenuation from leakage from the ground floor parking garage to the second floor residential or commercial units, the depth-specific soil vapor AF_{SV-IA} were adjusted by a factor of 3%. As a result of applying a leakage factor assumption, the VOC concentrations on the second floor would be much lower than predicted for the ground floor. This attenuation value is considered to be conservative (i.e., a higher reduction is expected) given the building ventilation code requirements for new construction in California.

The indoor air TFs (AF_{SV-IA}) for the slab-on-grade and second floor exposure scenarios are summarized in **Table 7a** for future residents and **Table 7b** for future commercial workers.

² The length and width of the parking garage do not affect the AFs because then the Q_{soil} factor is scaled according to the building dimensions.

The J&E vapor intrusion model spreadsheets used in this HHRA are provided in **Appendix D**.

3.3 Estimating COPC Intake

Estimates of exposure or COPC intake were calculated based on assumptions regarding exposure pathways and exposure parameters. The COPC intake factor (IF) was estimated for the incidental ingestion and dermal contact pathways. For the inhalation pathways, USEPA [2009] recommends that when estimating cancer risk or noncancer hazard via inhalation, the concentration of the COPC in air should be used as the exposure metric (e.g., mg/m³), rather than inhalation intake of a contaminant in air based on inhalation rate and body weight (e.g., mg/kg-day). Therefore, the COPC intake factor is replaced with an exposure concentration factor (ECF) for the soil to outdoor air inhalation pathway. For the soil vapor to indoor air inhalation pathway, indoor air screening levels (SL_{air}) were used to derive soil vapor RBCs and are based on COPC-specific toxicity criteria and target risk and hazard, which are discussed in Section 3.3.3.2 below.

The sections below present the equations used to estimate the IF, ECF, and SL_{air} for each COPC. The exposure parameters (**Table 3**) used in the IF, ECF, and SL_{air} equations are considered to be adequately conservative and are consistent with typical values recommended and approved by regulatory agencies.

3.3.1 Incidental Soil Ingestion

The rate of soil ingestion is based on the amount of soil an individual inadvertently swallows in a given day from all sources. Exposure to COPCs, via incidental ingestion of soil, was estimated using the following variables: (1) the rate of ingestion; (2) the fraction of ingested soil that is impacted; and (3) the frequency and duration of exposure. Individuals may ingest soil through incidental contact of the mouth with hands and clothing. The following equation was used to estimate the intake factor for incidental ingestion of soil (IF_{oral}):

$$IF_{oral} = \frac{IngR \times EF \times ED \times CF}{BW \times AT}$$

Where:

- IngR = ingestion rate of soil (mg/day);
- EF = exposure frequency (days/yr);
- ED = exposure duration (yrs);
- CF = conversion factor for soil (10⁻⁶ kg/mg);
- BW = body weight (kg);

AT = averaging time (days):
cancer effects: 70 yrs x 365 days; and
noncancer effects: ED x 365 days.

The exposure parameters used to estimate IF_{oral} for incidental soil ingestion are presented in **Table 3** for a future resident, future commercial worker, and a future construction worker.

3.3.2 Dermal Contact with Soil

COPCs in soil may come into contact with skin and then become absorbed across the skin into the bloodstream. The amount of absorption into the body depends upon the amount of soil in contact with the skin, COPC concentrations in soil, the skin surface area exposed, and the potential for the chemical to be absorbed across the skin. The following equation was used to estimate the intake factor for dermal contact with soil (IF_{dermal}):

$$IF_{\text{dermal}} = \frac{SA \times AF \times EF \times ED \times CF \times ABSd}{BW \times AT}$$

Where:

SA = skin surface area exposed to soil per day (cm^2/day);
AF = soil-skin adherence factor (mg/cm^2);
EF = exposure frequency (days/yr);
ED = exposure duration (yrs);
CF = conversion factor for soil ($10^{-6} \text{ kg}/\text{mg}$);
ABSd = percent dermal absorption (COPC-specific; unitless);
BW = body weight (kg);
AT = averaging time (days):
cancer effects: 70 yrs $\times$ 365 days; and
noncancer effects: ED $\times$ 365 days.

The exposure parameters that were used to estimate IF_{dermal} for dermal contact with soil are presented in **Table 3** for a future resident, future commercial worker, and a future construction worker.

3.3.3 Inhalation of Vapors and Fugitive Dust

Inhalation of fugitive dust-containing COPCs and volatile COPCs in outdoor air is a consideration for soil matrix exposures. Inhalation of indoor air vapors is a consideration

for soil vapor exposures. For the inhalation pathways, the IF is replaced with an ECF for soil to outdoor air and with SL_{air} for soil vapor to indoor air. The equations used to estimate the ECF and SL_{air} are presented below.

3.3.3.1 Soil to Outdoor Air Pathway

The following equation was used to estimate the ECF for the inhalation pathway for outdoor air from soil:

$$ECF_{inh,s} = \frac{EF \times ED \times ET}{AT \times (VF_{soil} \text{ or } PEF)}$$

Where:

- $ECF_{inh,s}$ = exposure concentration factor of COPC in outdoor air from soil (kg/m^3);
- EF = exposure frequency (days/yr);
- ED = exposure duration (yrs);
- ET = exposure time (8 hrs/24 hrs for workers);
- AT = averaging time (days):
cancer effects: 70 yrs $\times$ 365 days;
noncancer effects: ED $\times$ 365 days;
- PEF = particulate emission factor for soil (m^3/kg);
 $PEF_{res/commW}$ = for a resident and commercial worker (m^3/kg);
 PEF_{constW} = for a construction worker (m^3/kg);
- VF_{soil} = volatilization factor for soil (m^3/kg);
 $VF_{res/commW}$ = for a resident or commercial worker;
 VF_{constW} = for a construction worker.

The exposure parameters used in the above ECF equations are presented in **Table 3**.

3.3.3.2 Soil Vapor to Indoor Air Pathway

The following equation was used to estimate the indoor air screening level, SL_{air} based on cancer effects:

$$SL_{air-C} = \frac{TR \times AT}{EF \times ED \times ET \times IUR}$$

SL_{air} based on noncancer health effects:

$$SL_{air-NC} = \frac{THQ \times AT \times CF}{EF \times ED \times ET \times \left(\frac{1}{RfC} \right)}$$

Where:

- SL_{air-C} = indoor air screening level based on cancer health effects (µg/m³);
- TR = target cancer risk;
- AT = averaging time (days):
cancer effects: 25,550 days; and
noncancer effects: 9,125 days.
- EF = exposure frequency (days/yr);
- ED = exposure duration (yrs);
- ET = exposure time (24/24 hours for a future resident, and 8 hrs/24 hrs for a future commercial worker);
- IUR = inhalation unit risk (µg/m³)⁻¹;
- SL_{air-NC} = indoor air screening level based on noncancer health effects (µg/m³);
- THQ = target hazard quotient;
- CF = unit conversion factor, 1000 µg/mg; and
- RfC = inhalation reference concentration (mg/m³).

The exposure parameters used in the above equations are presented in **Table 3**.

4. TOXICITY ASSESSMENT

The toxicity assessment characterizes the relationship between the magnitude of exposure to a COPC and the nature and magnitude of adverse health effects that may result from such exposure. Consistent with regulatory risk assessment policy, adverse health effects resulting from potential chemical exposures are classified into two broad categories: cancer effects and noncancer effects. The basis for the selection of toxicity values in each of these categories is described in more detail below.

The two key toxicity criteria used in this HHRA are: 1) oral cancer slope factors (CSFs) and inhalation unit risk factors (IURs) for estimating long term, chronic cancer risks from exposure to carcinogens, and 2) oral reference doses (RfDs) and inhalation reference concentrations (RfCs) for estimating long term hazard from exposure to noncarcinogens. In addition, Cal-EPA has developed chronic Reference Exposure Levels (RELs) for noncancer effects from inhalation exposures. For this HHRA, toxicity criteria were selected from the following sources, in order of preference and based on availability:

- 1) Cal-EPA DTSC's Human Health Risk Assessment (HHRA) Note 3 [Cal-EPA, 2016a];
- 2) Cal-EPA Office of Environmental Health Hazard Assessment (OEHHA) Toxicity Criteria Database, online [Cal-EPA, 2016b]; and
- 3) USEPA Regional Screening Levels (RSL) for Chemical Contaminants at Superfund Sites [USEPA, 2016].

Final selection of the appropriate toxicity criteria was based on recommendations presented in Cal-EPA DTSC's Note 3 [Cal-EPA, 2016a]. For TCE, the USEPA inhalation IUR of $4.1 \times 10^{-6} (\mu\text{g}/\text{m}^3)^{-1}$ and oral CSF of $4.6 \times 10^{-2} (\text{mg}/\text{kg}\cdot\text{day})^{-1}$ were used [USEPA, 2011] in this HHRA, which are the most conservative toxicity criteria for this VOC and are also recommended in the USEPA RSL table [USEPA, 2016].

At the present time, Cal-EPA and USEPA have only developed toxicity criteria for the oral and inhalation routes of exposure. In the absence of values specific to the dermal route, the oral toxicity criteria were used to evaluate dermal exposures to soil. For those COPCs for which RfCs or RELs are not available, route-to-route extrapolated values from oral RfDs were used. Route-to-route extrapolation can be considered a conservative approach as current USEPA RSL guidance does not include the route-to-route extrapolation. For those COPCs for which noncarcinogenic toxicity values are not available, a surrogate chemical approach was employed in which toxicity values developed for structurally similar compounds were assigned to the COPCs lacking toxicity criteria to avoid underestimating potential noncarcinogenic hazards (e.g. trivalent chromium for total chromium, isopropyl benzene for 4-isopropyltoluene).

A summary of the toxicity criteria for the COPCs is presented in **Table 8**.

The traditional RfD approach to evaluating COPCs is not applied to lead because most adverse human health effects data associated with exposure to lead have been correlated with concentrations of lead in blood and not with oral intake or inhalation of lead by an individual [Cal-EPA, 1996]. Blood lead concentration is an integrated measure of internal dose, reflecting total exposure from Site-related and background sources. In the absence of RfDs, Cal-EPA uses a 1 microgram per deciliter ($\mu\text{g}/\text{dL}$) benchmark for source-specific incremental change in blood lead levels for protection of school children and fetuses [Cal-EPA, 2007] as the revised health criterion for lead. This benchmark is the estimated incremental increase in a child's blood lead level that would reduce their IQ by up to 1 point. Based on this revised benchmark of 1 $\mu\text{g}/\text{dL}$, Cal-EPA has recommended a residential screening level of 80 mg/kg and an industrial screening level of 320 mg/kg [Cal-EPA, 2016a] which is considered protective of the developing child of pregnant females. Detected lead concentrations at the Site are compared to these screening levels; unlike the other COPCs, lead is not included in the quantitative evaluation of a cancer risk or a noncancer hazard.

5. RISK-BASED CONCENTRATIONS

The following section presents the methodology used to derive RBCs for future residents, future commercial workers, and future construction workers, who have the potential to be exposed to residual COPCs detected in soil or soil vapor. The RBCs include the results of the exposure assessment and toxicity assessment and represent the concentrations of COPCs in the relevant environmental media (e.g., soil and soil vapor) that would be considered safe for the various current and future land uses under conservative (i.e., protective) exposure conditions. Potential cumulative cancer risks and noncancer hazards may then be estimated by summing the ratios of measured COPC concentrations and the appropriate RBCs.

5.1 Methodology

Deriving RBCs for COPCs in soil and soil vapor requires information regarding the level of human intake of the COPC (exposure assessment), the relationship between intake of the COPC and its toxicity (toxicity assessment), and the assumed target cancer risk or noncancer hazard. The sections below present the equations used in the development of the RBCs for soil and soil vapor. The methodology is based principally on guidelines provided by the USEPA in *Risk Assessment Guidance for Superfund, Volume I, Human Health Evaluation Manual (Part A), Interim Final* [USEPA, 1989] and *Risk Assessment Guidance for Superfund, Volume I, Human Health Evaluation Manual (Part B: Development of Risk-Based Preliminary Remediation Goals)*, [USEPA, 1991a].

Various demarcations of acceptable risk have been established by regulatory agencies. The National Oil and Hazardous Substances Pollution Contingency Plan [NCP; 40 CFR 300] indicates that lifetime incremental cancer risks posed by a site should not exceed a range of one in one million (1×10^{-6}) to one hundred in one million (1×10^{-4}) and noncarcinogenic chemicals should not be present at levels expected to cause adverse health effects (i.e., a Hazard Index [HI] greater than 1). In addition, other relevant guidance [USEPA, 1991b] states that sites posing a cumulative cancer risk of less than 10^{-4} and hazard indices less than unity (1) for noncancer endpoints are generally not considered to pose a significant risk warranting remediation. The California Hazardous Substances Account Act (HSAA) incorporates the NCP by reference, and thus also incorporates the acceptable risk range set forth in the NCP. In California, the Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65) regulates chemical exposures to the general population and is based on an acceptable risk level of 1×10^{-5} . The DTSC considers the 1×10^{-6} risk level as the generally accepted point of departure for unrestricted land use. For evaluating worker exposures, a 1×10^{-5} risk level is commonly used for managing commercial/industrial sites in California.

Under most situations, cancer risks in the range of 10^{-6} to 10^{-4} may be considered to be acceptable with cancer risks less than 10^{-6} considered *de minimus*. These risk estimates are in

contrast to the background risk of Americans developing cancer. The background risk is one chance in three (0.3 or 3×10^{-1}) for an American female, and one chance in two (0.5 or 5×10^{-1}) for an American male of eventually developing cancer [ACS, 2016].

For future residents, Site-specific RBCs were derived using a target cancer risk level of 1×10^{-6} . For future commercial workers and future construction workers, Site-specific RBCs were derived using a target cancer risk level of 1×10^{-5} . This target risk of 1×10^{-5} for potential worker exposures has been used in many DTSC-approved risk assessments. It should be noted that the risk results presented in the risk characterization are independent of the target cancer risk used to derive the Site-specific RBCs and are therefore not affected by that assumption. The target hazard quotient (THQ) used for noncarcinogens of 1 was used for all exposure scenarios. Note that the final target cancer risk and noncancer hazard level to be considered applicable for the Site is a risk management decision. The results of the HHRA risk characterization are the starting point for risk management considerations for a site [USEPA, 1995].

5.2 RBCs Based on Cancer Health Effects

The equations below describe the derivation of soil and soil vapor RBCs based on cancer health effects.

For COPCs in soil:

$$RBC_{\text{soil-C}} = \frac{TR}{[CSF_{\text{oral}} \times (IF_{\text{oral}} + IF_{\text{dermal}})] + (IUR \times ECF_{\text{inh,s}} \times CF_1)}$$

For COPCs in soil vapor:

$$RBC_{\text{SV-C}} = \frac{SL_{\text{air-C}}}{AF_{\text{SV-IA}}}$$

Where:

- $RBC_{\text{soil-C}}$ = risk-based concentration for soil based on cancer effects (mg/kg);
- TR = target cancer risk level (unitless);
- CSF_{oral} = cancer slope factor for oral (ingestion and dermal-contact) exposures (mg/kg-d)⁻¹;
- IF_{oral} = intake factor for ingestion (kg soil per kg body weight per day);
- IF_{dermal} = intake factor for dermal contact (kg soil per kg body weight per day);
- IUR = inhalation unit risk ($\mu\text{g/m}^3$)⁻¹;
- $ECF_{\text{inh,s}}$ = exposure concentration factor for outdoor inhalation of COPCs from soil (kg/m^3);

- CF_1 = conversion factor (1,000 $\mu\text{g}/\text{mg}$);
 RBC_{SV-C} = risk-based concentration for soil vapor based on cancer effects (mg/m^3);
 SL_{air-C} = indoor air screening level based on cancer health effects ($\mu\text{g}/\text{m}^3$); and
 AF_{SV-IA} = J&E model-predicted attenuation factor for soil vapor (unitless).

The formulas used in this HHRA for developing the IFs, $ECF_{inh,s}$, and SL_{air} were presented in Section 3.3 above. The soil RBCs based on cancer health effects are presented in **Table 9**. The soil vapor RBCs based on cancer health effects for the indoor air pathway are presented in **Table 10a** for future residents and in **Table 10b** for future commercial workers for the slab-on-grade and second floor exposure scenarios. To account for the various depths at which soil vapor samples were collected, soil vapor RBCs were derived for the following depths: 4, 15, 20, and 30 ft bgs. The RBC derivation spreadsheets are presented in **Appendix E**.

5.3 RBCs Based on Noncancer Health Effects

The equations below describe the derivation of soil and soil vapor RBCs based on noncancer health effects.

For COPCs in soil:

$$RBC_{soil-NC} = \frac{THQ}{\left(\frac{IF_{oral}}{RfD_{oral}}\right) + \left(\frac{IF_{dermal}}{RfD_{oral}}\right) + \left(\frac{ECF_{inh,s}}{RfC}\right)}$$

For COPCs in soil vapor:

$$RBC_{SV-NC} = \frac{SL_{air-NC}}{AF_{SV-IA}}$$

Where:

- $RBC_{soil-NC}$ = risk-based concentration for soil based on noncancer effects (mg/kg);
 THQ = target noncancer hazard quotient (unitless);
 RfD_{oral} = noncancer reference dose for oral (ingestion and direct-contact) exposures ($\text{mg}/\text{kg}\cdot\text{day}$);
 IF_{oral} = intake factor for ingestion (kg soil per kg body weight per day);
 IF_{dermal} = intake factor for dermal contact (kg soil per kg body weight per day);
 RfC = noncancer reference concentration for inhalation exposure (mg/m^3);
 $ECF_{inh,s}$ = exposure concentration factor for outdoor inhalation of COPCs from soil (kg/m^3);

- RBC_{SV-NC} = risk-based concentration for soil vapor based on noncancer effects (mg/m^3);
- SL_{air-C} = indoor air screening level based on cancer health effects ($\mu g/m^3$); and
- AF_{SV-IA} = J&E model-predicted attenuation factor for soil vapor (unitless).

The soil RBCs based on noncancer health effects are presented in **Table 9**. The soil vapor RBCs based on noncancer health effects for the indoor air pathway are presented in **Table 10a** for future residents and in **Table 10b** for future commercial workers for the slab-on-grade and second floor exposure scenarios. To account for the various depths at which soil vapor samples were collected, soil vapor RBCs were derived for the following depths: 4, 15, 20, and 30 ft bgs. The RBC derivation spreadsheets are presented in **Appendix E**.

6. RISK CHARACTERIZATION

Risk characterization integrates the results of the toxicity assessment and the exposure assessment to estimate potential cancer risks and adverse noncancer health effects associated with exposure to chemicals detected at the Site. This integration provides quantitative estimates of cancer risk and noncancer hazard that are then compared to acceptable standards.

The process of a risk assessment is an iterative process where factual site, receptor, and chemical-specific data are used when available. When specific data are not available, conservative, i.e., health protective, assumptions are utilized (e.g., assuming a worker will be working at the same location for 25 years and ingesting soil at a rate of 100 mg/day). The use of repeated, conservative assumptions can lead to overly conservative estimations of cancer risk or noncancer hazard, but which provides an upper-bound estimate of the actual risk or hazard. Thus, for any site, the estimated cancer risk or noncancer hazard level reflects an upper-bound estimate of the most probable risk or hazard. The most probable cancer risk or noncancer hazard is likely to be much less, perhaps as low as zero, and probably not measurable in the potentially exposed population.

The methodology for deriving RBCs for the receptor populations and potential exposure routes were presented above. This section presents the methodology in which RBCs were used to evaluate COPC-specific and cumulative cancer risk and noncancer hazard for the receptors of concern.

6.1 Cumulative Risk Methodology

This section presents the specific approach used in comparing the concentrations of individual COPCs detected in the various environmental media to the RBCs and in estimating the cumulative cancer risk and noncancer hazard associated with exposure to all detected COPCs at the Site. This approach can be used to determine if the target risk or hazard ranges are exceeded for a given land use scenario. The cumulative cancer risk and noncancer hazard posed by the presence of all COPCs detected in soil and soil vapor at a given sampling location were estimated in this HHRA using the following equations.

Cumulative cancer risk (at a given sampling location):

$$CR_{\text{tot}} = \left[\sum_{i=1}^n \left(\frac{C_{Si}}{RBC_{\text{soil-C},i}} \right) \right] \times TR$$

$$CR_{\text{tot}} = \left[\sum_{i=1}^n \left(\frac{C_{SVi}}{RBC_{\text{SV-C},i}} \right) \right] \times TR$$

Cumulative noncancer hazard index (at a given sampling location):

$$HI_{tot} = \left[\sum_{i=1}^n \left(\frac{C_{Si}}{RBC_{soil-NC,i}} \right) \right] \times THI$$

$$HI_{tot} = \left[\sum_{i=1}^n \left(\frac{C_{SVi}}{RBC_{SV-NC,i}} \right) \right] \times THI$$

Where:

- CR_{tot} = cumulative cancer risk from all COPCs detected in specific medium at a given sampling location (unitless);
- C_{Si} = concentration of COPC i detected in soil (mg/kg);
- $RBC_{soil-C,i}$ = risk-based concentration for COPC i in soil based on cancer effects (mg/kg);
- C_{SVi} = concentration of COPC i detected in soil vapor (mg/m³);
- $RBC_{SV-C,i}$ = risk-based concentration for COPC i in soil vapor based on cancer effects (mg/m³);
- TR = target cancer risk (unitless);
- HI_{tot} = cumulative noncancer hazard index from all COPC detected in the specific medium at given sampling location (unitless);
- $RBC_{soil-NC,i}$ = risk-based concentration for COPC i in soil based on noncancer effects (mg/kg);
- $RBC_{SV-NC,i}$ = risk-based concentration for COPC i in soil vapor based on noncancer effects (mg/m³);
- THI = target noncancer hazard index (unitless); and
- n = number of COPCs for the medium evaluated (unitless).

Using the methodology presented here, the cumulative cancer risk and noncancer hazard posed by the presence of multiple COPC can be estimated for each sample location and at each sample depth (i.e., a boring where multiple samples have been collected).

For soil vapor samples, because the vapor migration evaluation considers the vertical migration of constituents from a subsurface source toward a building foundation, the shallowest sample provides the most relevant concentration in evaluating potential cancer risk and noncancer hazard as it is closest to a building foundation. However, cumulative cancer risk and noncancer hazard estimates for all sample depths were reported to document the estimated potential cancer risk and noncancer hazard for each sample location and depth, which may be used in the risk-based decision making process.

For soil matrix samples, potential cancer risks or noncancer hazards were estimated for each soil sample location and depth within the top 12 ft. Soil matrix data were used to estimate potential cancer risk and noncancer hazard due to direct contact and outdoor inhalation exposures. Soil vapor data were used to evaluate the potential risk and hazard due to indoor air inhalation. Note however, that this approach in evaluating all soil and soil vapor data, regardless of sample location and future redevelopment plans (construction of buildings), is considered conservative. For example, if a building were to be constructed at a particular location, then direct contact with soils would not be applicable at this location, since the soils would be covered by the building, and thus only the vapor intrusion cancer risks or noncancer hazards would apply.

6.2 Additional Risk Characterization Considerations

The RBC methodology for determining cumulative cancer risks and noncancer hazards can be applied to each COPC detected in each soil matrix and soil vapor sample at the Site. However, it is not always appropriate to include every COPC in the cumulative cancer risk and noncancer hazard calculations. Background metal concentrations and nondetected chemical concentrations should not be considered in the calculations of cumulative cancer risk and noncancer hazard.

Background concentrations are those concentrations, either native or anthropogenic, that are present, but not associated with any Site activities. This HHRA took into account background concentrations, as discussed in Section 2.2.1, and only included those chemicals that were considered to be above background for the Site. Since metals are naturally occurring in the environment, background concentrations are generally applied to metals detected at a site. As discussed in Section 2.2.1, beryllium, cadmium, total chromium, CrVI, copper, lead, and zinc were considered to be above background (**Table 1**); therefore, these metals were selected as COPCs and thus, RBCs were derived for them. Note, however, that the RBCs for lead are represented by the residential screening level of 80 mg/kg and the industrial screening level of 320 mg/kg presented in the Cal-EPA Note 3 guidance [Cal-EPA, 2016a]. As a next step, for the metal COPC to be considered in the cumulative risk evaluation, its concentration detected at each sample boring location must be above its respective background concentration. If so, then the RBC approach was applied to that metal COPC and a cancer risk and/or noncancer hazard was estimated for that metal at that specific boring location.

Note that a quantitative risk evaluation of lead was not conducted, as this metal is compared to the Cal-EPA screening levels noted above (see Section 4). In other words, lead concentrations detected at this Site are not factored into the cancer risk and noncancer hazard estimates.

6.3 Risk Characterization Results

This section presents the results of the risk characterization which integrates the results of the exposure and toxicity assessments to estimate potential cancer risks (CR) and noncancer hazard indices (HIs) associated with exposure to COPCs at the Site. As discussed in Section 5.1, various demarcations of acceptable risk have been established by regulatory agencies. Under most situations, cancer risks in the range of 10^{-6} to 10^{-4} may be considered to be acceptable with cancer risks less than 10^{-6} considered *de minimus*. The cumulative CR estimates for future residents were compared to a target cancer risk of 1×10^{-6} . The cumulative CR estimates for future commercial workers and future construction workers were compared to a target cancer risk of 1×10^{-5} , which is commonly used for managing commercial/industrial sites in California. The cumulative noncancer HI estimates were compared to a target noncancer hazard of 1.

Cumulative CRs and HIs for each soil sample location are summarized in **Table 11a** for future residents, along with a comparison of lead concentrations to the Cal-EPA residential screening level of 80 mg/kg. Cumulative CRs and HIs for each soil sample location are summarized in **Table 11b** for future commercial workers and in **Table 11c** for future construction workers, along with a comparison of lead concentrations to the Cal-EPA industrial screening level of 320 mg/kg. Cumulative CRs and HIs for each soil vapor sample location are summarized in **Table 12a** for future residents and future commercial workers for the slab-on-grade scenario, and in **Table 12b** for the second floor scenario. The detailed cancer risk and noncancer hazard calculation spreadsheets are presented in **Appendix F**.

The results for each receptor and exposure pathway scenarios are summarized in the following subsections in relation to the target cancer risk and target noncancer hazard mentioned above.

6.3.1 Future Resident

6.3.1.1 Soil

Soil risk characterization results for future residents potentially exposed via ingestion, dermal contact, and outdoor inhalation for individual sampling locations with COPCs selected for this medium are provided in **Table 11a** and presented in **Figure 4a**.

For the soil exposure pathways, the cumulative CR estimates for future residents ranged from 3×10^{-12} to 9×10^{-6} and exceeded the target risk of 1×10^{-6} at six sample locations (**Table 11a**). CrVI, tetrachloroethylene (PCE), and trichloroethylene (TCE) were the COPCs with CRs above the target risk of 1×10^{-6} . CrVI was detected at concentrations ranging from 0.96 mg/kg to 2.8 mg/kg with COPC-specific CRs greater than 1×10^{-6} at locations A6, SS-2, and SS-5. PCE had CRs greater than 1×10^{-6} at locations A4, A7, and B4, ranging in concentration from 2.47 mg/kg to 3.33 mg/kg. However, it is worth noting that a 95UCL of 0.33 mg/kg derived for PCE

is below its RBC of 0.86 mg/kg. TCE had a CR estimate greater than 1×10^{-6} at only one location, A7, with a 95UCL of 1.08 mg/kg below its RBC of 2.0 mg/kg.

The cumulative HI estimates ranged from 1×10^{-6} to $4 \times 10^{+0}$ and exceeded the target hazard of 1 at only one location (Sample A7 at 3.5 ft bgs) (**Table 11a**). Copper was the only COPC with an HI estimate greater than the target hazard; however, a 95UCL of 401 mg/kg for copper (see **Table 1**) was below its RBC of 3,100 mg/kg.

Lead concentrations at only two locations (A7 and B4) exceeded the residential soil screening level of 80 mg/kg, as indicated in **Table 11a**. The 95UCL lead concentration of 63 mg/kg is below the residential soil screening level.

6.3.1.2 Soil Vapor to Indoor Air

Soil vapor risk characterization results for future residents potentially exposed via indoor air inhalation for individual sampling locations are provided in **Table 12a** and presented in **Figure 5a** for the slab-on-grade scenario and in **Table 12b** and **Figure 5b** for the second floor exposure scenario (i.e., with a parking level between grade and the floor of the residence).

For the slab-on-grade scenario, the cumulative CR estimates for future residents ranged from 8×10^{-9} to 4×10^{-4} and exceeded the target risk of 1×10^{-6} at 10 sample locations. PCE had CR estimates above 1×10^{-6} at nine locations, while TCE had a CR estimate greater than 1×10^{-6} at only one location, A7 (**Table 12a**). The cumulative HI estimates ranging from 4×10^{-4} to 5×10^0 were below the target hazard of 1 at all but two sample locations (A5B and LB3), with PCE as the only COPC with HI estimates greater than 1 (**Table 12a**).

For the second floor exposure scenario, the cumulative CR estimates for future residents ranged from 1×10^{-10} to 5×10^{-6} and exceeded the target risk of 1×10^{-6} at only two sample locations (A5B and LB3). PCE was the only COPC with CR estimates greater than 1×10^{-6} at both locations (**Table 12b**). The cumulative HI estimates were below the target hazard of 1 at all sample locations, ranging from 5×10^{-6} to 7×10^{-2} (**Table 12b**). Note that these calculations do not assume any engineering controls present within the parking area (i.e., mechanical ventilation) or liners beneath the slabs. In addition, the two specific sampling locations highlighted above (A5B and LB3) may be sufficiently separated from the second floor residents, depending on the placement of the multi-story portion of the parking structure.

6.3.2 Future Commercial Worker

6.3.2.1 Soil

Soil risk characterization results for future commercial workers potentially exposed via ingestion, dermal contact, and outdoor inhalation for individual sampling locations with COPCs selected for this medium are provided in **Table 11b** and presented in **Figure 4b**.

For the soil exposure pathways, the cumulative CR estimates for future commercial workers were below the target cancer risk of 1×10^{-5} at all sample locations, ranging from 7×10^{-13} to 9×10^{-7} . The cumulative HI estimates were at or below the target hazard of 1 at all sample locations, ranging from 2×10^{-7} to $1 \times 10^{+0}$ (**Table 11b**).

Lead concentration at only one location (A7 at 3.5 ft bgs) exceeded the industrial soil screening level of 320 mg/kg, as indicated in **Table 11b**. The 95UCL lead concentration of 63 mg/kg is well below the industrial soil screening level.

6.3.2.2 Soil Vapor to Indoor Air

Soil vapor risk characterization results for future commercial workers potentially exposed via indoor air inhalation for individual sampling locations are provided in **Table 12a** and presented in **Figure 5c** for the slab-on-grade scenario and **Table 12b** and in **Figure 5d** for the second floor exposure scenario.

For the slab-on-grade scenario, the cumulative CR estimates for future commercial workers ranged from 6×10^{-10} to 3×10^{-5} and exceeded the target risk of 1×10^{-5} at only one sample location (LB3). PCE was the only COPC with a CR estimate greater than 1×10^{-5} at this location. The cumulative HI estimates were less than the target hazard of 1 at all sample locations, ranging from 3×10^{-5} to 4×10^{-1} (**Table 12a**).

For the second floor exposure scenario, the cumulative CR estimates for future commercial workers was below the target risk of 1×10^{-5} at all sample locations, ranging from 2×10^{-11} to 1×10^{-6} . The cumulative HI estimates were below the target hazard of 1 at all sample locations, ranging from 1×10^{-6} to 2×10^{-2} (**Table 12b**).

6.3.3 Future Construction Worker

6.3.3.1 Soil

Soil risk characterization results for future construction workers potentially exposed via ingestion, dermal contact, and outdoor inhalation for individual sampling locations with COPCs selected for this medium are provided in **Table 11c** and presented in **Figure 4c**.

For the soil exposure pathways, the cumulative CR estimates for future construction workers were below the target risk of 1×10^{-5} at all sample locations, ranging from 1×10^{-11} to 4×10^{-7} . The cumulative HI estimates ranged from 1×10^{-6} to $4 \times 10^{+0}$ and exceeded the target hazard of 1 at only one sample location (A7 at 3.5 ft bgs) (**Table 11c**). Cadmium was the only COPC with an HI estimate greater than the target hazard; however, a Site 95UCL of 0.565 mg/kg for cadmium was well below its RBC of 4.5 mg/kg.

As mentioned above in Section 6.3.2.1, lead concentration at only one sample location (A7 at 3.5 ft bgs) exceeded the industrial soil screening level of 320 mg/kg (**Table 11c**).

6.3.4 Summary of Risk Characterization

The results of this HHRA indicate that cumulative cancer risks and noncancer hazards exceed the target health risks of 1×10^{-6} and 1, respectively, for a future resident at six soil sample locations (**Figure 4a**), 10 soil vapor locations based on the slab-on-grade scenario (**Figure 5a**), and only two soil vapor locations based on the second floor scenario (**Figure 5b**). Cumulative cancer risks and noncancer hazards were below the target health risks of 1×10^{-5} and 1, respectively, for a future commercial worker, with the exception of only one soil vapor location (LB3 with a CR estimate of 3×10^{-5}) based on the slab-on-grade scenario (**Figure 5c**). Cumulative cancer risks and noncancer hazards were below the target health risks of 1×10^{-5} and 1, respectively, for a future construction worker, with the exception of one soil location (A7 with an HI estimate of 4) (**Figure 4c**). Additionally, two locations had lead concentrations greater than the residential screening level, and one location had a lead concentration greater than the industrial soil screening level. However, the 95UCL lead concentration is below the soil screening levels. Overall, potential health risks on site are driven primarily by PCE and to a lesser extent based on Site development plans to CrVI, TCE, cadmium, copper, and lead.

7. UNCERTAINTY ANALYSIS

The methodology used in this HHRA is consistent with USEPA and Cal-EPA risk assessment guidance. However, the procedures used in any quantitative HHRAs are conditional estimates given the many assumptions that must be made about exposure and toxicity. Where possible, conservative (health-protective) assumptions were used for the inputs into the HHRA, which is consistent with agency guidance. Major sources of uncertainty in an HHRA may include the following:

- 1) Natural variability (e.g., differences in body weight in a population);
- 2) Lack of knowledge about basic physical, chemical, and biological properties and processes (e.g., the affinity of a chemical for soil and degradation rates);
- 3) Assumptions in the models used to estimate key inputs (e.g., exposure, dose response models, fate and transport models); and
- 4) Measurement error primarily with respect to sampling and laboratory analysis.

Site-specific factors, which this assessment incorporates, decrease uncertainty, although uncertainty may persist in even the most Site-specific HHRAs due to the inherent uncertainty in the process. However, because the assumptions used are generally health-protective and conservative in nature, the estimated health risks are likely to exceed the most probable risk posed to potential receptors at the Site.

Key uncertainties associated with this HHRA include:

- The potential for concentrations to attenuate over time were not considered in this HHRA. For example, the J&E vapor intrusion model assumes that the source of contamination is infinite (i.e., not depleting) and fixed in place (i.e., steady-state conditions are present) even though the concentrations would likely deplete over time. This depletion would be accelerated by biodegradation or other processes, which were not considered in this HHRA. Therefore, the risks and hazards estimated in this HHRA are likely to be lower than predicted, especially if biodegradation or other processes are occurring.
- Uncertainty in the toxicity assessment arises for those chemicals which rely on animal studies as the basis for determining the appropriate toxicity value for effects on humans. Toxicity values typically assume that adverse effects observed in animal toxicity experiments would also be observed in humans. In addition, the use of surrogate chemicals to represent the COPCs that appear to be structurally similar could result in an over- or under-estimation of potential cancer risk or noncancer hazard for that compound. Likewise, the use of route-to-route extrapolation for those COPCs for which inhalation toxicity criteria (RfCs or RELs) are not available could be considered

a conservative approach and thus result in an over-estimation of potential cancer risk or noncancer hazard for that compound.

- Assumed exposure durations used in this HHRA represent upper-bound estimates of the total amount of time that an individual may be either indoors or outdoors for the full duration of the exposure period. In other words, the HHRA assumptions entail the receptor staying outdoor or indoors the entire duration of the exposure period. As a result, the estimated incremental cancer risks and noncancer hazards are overestimated.
- A time-weighted PEF was developed for a construction worker assuming that only a fraction of the construction time would have elevated dust levels. It was assumed that the intrusive soil-handling activities will be conducted for the first 60 days of construction when Site soils will be graded and the emissions during the remaining 190 working days, of the total 250 working days, would primarily be due to wind-blown dust. This approach could over- or under-estimate COPC concentrations in fugitive dust as there is uncertainty as to the length and type of actual construction activities that will take place.
- Conservatively assumed 100% bare soil was available for contact, where soil is exposed to the surface with no hardscape, buildings or landscaping in place. However, when accounting for the proposed redevelopment plans for the Site, much of the soil is covered with asphalt pavement, buildings, landscaping, and hardscape. If these types of coverings were included in the soil to outdoor air fugitive dust and vapor modeling, the emissions estimates would be significantly lower, or non-existent, resulting in lower cancer risk and noncancer hazard estimates than reported. Additionally, future residents and workers would not be directly exposed to soil via ingestion and dermal contact if covered by landscape and/or hardscape (i.e., soil is inaccessible).

In summary, because a HHRA contains multiple sources of uncertainty, simplifying assumptions are often made so that potential health risks and hazards can be estimated quantitatively. Since the exact amount of uncertainty cannot be quantified, the HHRA is intended to be conservative (i.e., overestimate rather than underestimate probable cancer risk or noncancer hazard), with the results of this assessment, therefore, tending to err on the side of caution relative to being protective of health despite the inherent uncertainties in the process.

8. CONCLUSIONS

This HHRA was prepared consistent with Cal-EPA and USEPA guidance. Potential cancer risk and noncancer hazard to future residents, future commercial workers, and future construction workers were evaluated assuming exposure occurs to residual COPC concentrations detected in soil and soil vapor samples collected from the Site. Mixed residential and commercial land use is planned for this Site; therefore, both of these scenarios were evaluated in this HHRA.

The cancer risk and noncancer hazard estimates presented in this HHRA likely over-estimate the potential health risk because several conservative assumptions were used throughout the HHRA process. Moreover, no engineering or other controls were included in the assessment that would reduce or mitigate exposures post-development.

For future residents, the cumulative CR estimates for the soil exposure pathway exceeded the target risk of 1×10^{-6} at a small number of sample locations and depths. The target noncancer hazard was exceeded at only one location, and lead exceeded the residential screening level at two locations. In general, while select sample locations show elevated potential health risks, the Site-wide 95UCL concentrations were below RBCs for the COPCs with CRs or HIs greater than target risk levels, indicating that Site risks are not widespread and instead are isolated to specific sample locations. Note that the number of detections of CrVI is relatively small with a low detection frequency. Additionally, because of the proposed extensive hardscape with soils predominantly under a building footprint, it is unlikely that future residents will come into direct contact with the existing impacted soils under the proposed development scenario.

For the soil vapor to indoor air pathway under the slab-on-grade scenario, the cumulative CR estimates for future residents exceeded the target risk of 1×10^{-6} at 10 sample locations, and the cumulative HI estimates were below the target hazard of 1 at all but two sample locations. For the soil vapor to indoor air pathway under the second floor scenario, the cumulative CR estimates for future residents exceeded the target risk of 1×10^{-6} at only two sample locations, and the cumulative HI estimates were below the target hazard at all sample locations. As noted previously, no engineering controls are considered in this calculation, and the two specific locations are likely to be located below the multi-story portion of the future parking structure.

For future commercial workers, the cumulative CR and HI estimates for the soil exposure pathways were below the target risks of 1×10^{-5} and 1, respectively, at all sample locations. Only one location had a lead concentration that exceeded the industrial screening level of 320 mg/kg, sample A7 at 3.5 ft bgs. However, the 95UCL lead concentration is well below the screening level. For the soil vapor to indoor air pathway under the slab-on-grade scenario, the cumulative CR estimates for future commercial workers exceeded the target risk of 1×10^{-5} at only one sample location, and the cumulative HI estimates were below the target hazard of 1 at all sample locations. For the soil vapor to indoor air pathway under the second floor scenario, the

cumulative CR and HI estimates for future commercial workers were below the target risks of 1×10^{-5} and 1, respectively, at all sample locations.

For future construction workers, the cumulative CR estimates for the soil exposure pathways were below the target risk of 1×10^{-5} at all sample locations. The cumulative HI estimates exceeded the target hazard of 1 at one location with cadmium as the only COPC with an HI greater than 1. Note that the 95UCL concentration of cadmium is below the construction worker soil RBC. Additionally, only one location had a lead concentration that exceeded the screening level of 320 mg/kg but the 95UCL lead concentration was below 320 mg/kg.

The results of this HHRA indicate that, given planned future mixed residential and commercial land uses, residual concentrations of COPCs that remain in the subsurface are not expected to pose a significant health concern across the Site. However, select sample locations have COPC concentrations that result in exceedances of risk based thresholds and the soil and soil vapor impacts in the areas in the vicinity of these sample locations should, therefore, be considered further during development planning.

9. REFERENCES

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TABLES

Table 1
Background Metals Summary Statistics
777 North Front Street
Burbank, California

Metal	Summary Statistics												Inflection Point ⁽⁴⁾ (mg/kg)	Within Bkgd?	Selected Bkgd Level ⁽⁵⁾ (mg/kg)	Selected as a COPC ⁽⁶⁾ ?
	Number of Samples ⁽¹⁾	Number of Detects	Number of NDs	% NDs	Minimum of Detects	Maximum of Detects	Average of Detects	Standard Deviation ⁽²⁾	Skewness ⁽²⁾	CV ⁽²⁾	Distribution	95% UCL				
Arsenic	110	4	106	96%	2.3	6.83	4.44	2.426	0.0512	0.546	Lognormal	0.797	None	Yes	12 ⁽⁷⁾	No
Barium	110	110	0	0%	34.5	287	165.7	53.81	-0.229	0.325	Normal	174.2	None	Yes	287	No
Beryllium	110	1	109	99%	0.387	0.387	0.387	--	--	--	-- ⁽⁸⁾	--	--	No	0.387	Yes ⁽⁹⁾
Cadmium	110	4	106	96%	0.8	6.1	2.325	2.524	1.966	1.085	Approximate Lognormal	0.565	0.8	No	0.8	Yes
Chromium	110	110	0	0%	5.2	157	27.12	15.77	5.337	0.582	None	29.62	35.7	No	35.7	Yes
Chromium, Hexavalent	13	5	8	62%	0.96	2.8	1.452	0.763	2.099	0.526	Lognormal	1.558	None	No	--	Yes ⁽¹⁰⁾
Cobalt	110	110	0	0%	1.1	22.6	14.24	4.446	-0.39	0.312	Normal	14.94	None	Yes	22.6	No
Copper	110	110	0	0%	6.8	6740	123.8	667.2	9.315	5.389	None	401.1	64.4	No	64.4	Yes
Lead	110	108	2	2%	0.6	1110	19.09	107.6	9.945	5.633	None	63.06	11.9	No	11.9	Yes
Mercury	110	32	78	71%	0.02	0.13	0.0397	0.0211	2.779	0.531	Lognormal	0.0283	None	Yes	1.3	No
Molybdenum	110	2	108	98%	2.2	2.7	2.45	0.354	--	0.144	-- ⁽⁸⁾	0.356	None	Yes	2.7	No
Nickel	110	110	0	0%	2.3	47.1	18.46	6.513	0.531	0.353	Normal	19.49	26	Yes	26	No
Vanadium	110	110	0	0%	11.3	83.8	55.26	14.18	-0.407	0.257	Approximate Normal	57.5	53.8	Yes	53.8	No
Zinc	110	110	0	0%	21.7	6920	317.1	1088	5.159	3.431	None	769.3	359	No	359	Yes

Notes:

" -- " not applicable; " mg/kg " milligram per kilogram

" ND " non-detect; " CV " coefficient of variation; " n " number of samples

" 95UCL " 95% upper confidence limit

(1) Excludes duplicates

(2) Calculated based on only detections (i.e., omitting NDs from the dataset)

(3) Distribution of the data and 95 percent upper confidence limit (95UCL) of the average concentration determined using USEPA ProUCL version 5.0.00 software

(4) Cal-EPA, 2009. Arsenic Strategies. Determination of Arsenic Remediation, Development of Arsenic Cleanup Goals for Proposed and Existing School Sites.

(5) Selected background level = inflection point from the Q-Q plots (Figures B-1 through B-18) or the maximum detected value.

(6) A Metal was selected as a COPC based on a weight of evidence approach, including if at least one of the following criteria were met:

a) Coefficient of Variation (CV) > 1

b) If the distribution can not be determined from the Q-Q plots or the Goodness of Fit (GOF) test

c) If an inflection point can be identified in the Q-Q plots (Figures B-1 to B-18)

(7) Regional background of 12 mg/kg applied.

(8) Not enough data to perform Goodness of Fit Test

(9) Be is carried forward as COPC due to elevated NDs

(10) Cr(VI) is carried forward as COPC due to known impacts in region and lack of natural sources.

Table 2
Chemicals of Potential Concern
777 North Front Street
Burbank, California

CAS Number	Chemical of Potential Concern	Soil COPC	Soil Vapor COPC
Metals			
7440-41-7	Beryllium	X	
7440-43-9	Cadmium	X	
7440-47-3	Chromium, Total	X	
18540-29-9	Chromium, Hexavalent	X	
7440-50-8	Copper	X	
7439-92-1	Lead and compounds (inorganic)	X	
7440-66-6	Zinc	X	
Volatile Organic Compounds (VOCs)			
630-20-6	1,1,1,2-Tetrachloroethane		X
71-55-6	1,1,1-Trichloroethane	X	X
75-34-3	1,1-Dichloroethane		X
75-35-4	1,1-Dichloroethene		X
95-63-6	1,2,4-Trimethylbenzene		X
108-67-8	1,3,5-Trimethylbenzene		X
99-87-6	4-Isopropyltoluene		X
71-43-2	Benzene	X	X
108-90-7	Chlorobenzene		X
67-66-3	Chloroform		X
156-59-2	cis-1,2-Dichloroethene		X
75-71-8	Dichlorodifluoromethane		X
100-41-4	Ethylbenzene	X	X
76-13-1	Freon 113		X
104-51-8	n-Butylbenzene		X
103-65-1	n-Propylbenzene		X
127-18-4	Tetrachloroethylene	X	X
108-88-3	Toluene	X	X
156-60-5	trans-1,2-Dichloroethene	X	
79-01-6	Trichloroethylene	X	X
75-69-4	Trichlorofluoromethane		X
1330-20-7	Xylenes		X

Notes:

COPC - chemical of potential concern

Table 3
Exposure Parameters
777 North Front Street
Burbank, California

Exposure Parameters	Units	Future Resident			Future Commercial Worker		Future Construction Worker	
		Adult	Child	Source	Adult	Source	Adult	Source
Soil Ingestion Rate (IngR)	mg/day	100	200	1	100	1	330	1
Skin Surface Area (SA)	cm ² /day	6,032	2,900	1	6,032	1	6,032	1
Percent Dermal Absorption (ABSd)	unitless	--	--	COPC-specific; 2	--	COPC-specific; 2	--	COPC-specific; 2
Soil Adherence Factor (AF)	mg/cm ²	0.07	0.2	1	0.2	1	0.8	1
Exposure Frequency (EF)	days/year	350	350	1	250	1	250	1
Exposure Duration (ED)	years	20	6	1	25	1	1	1
Exposure Time (ET)	hours/day	24	24	1	8	1	8	1
Body Weight (BW)	kg	80	15	1	80	1	80	1
Averaging Time for Noncarcinogens (AT _n)	days	7,300	2,190	1	9,125	1	365	1
Averaging Time for Carcinogens (AT _c)	days	25,550	25,550	1	25,550	1	25,550	1

Notes:

"--" not applicable

Sources:

- (1) Cal-EPA 2014. Human Health Risk Assessment (HHRA) Note. HERO Note #1. Recommended DTSC Default Exposure Factors for Use in Risk Assessment at California Hazardous Waste Sites and Permitted Facilities. September 30.
- (2) USEPA 2016. Regional Screening Levels (RSL) for Chemical Contaminants at Superfund Sites. May. www.epa.gov/region09/superfund/prg/index.html

Table 4
Definition of Transfer Factors
777 North Front Street
Burbank, California

Exposure Route	Transfer Factor	Definition
Inhalation of particulates in outdoor air	Particulate emission factor (PEF) (kg/m ³)	Ratio of chemical concentration in outdoor air (mg/m ³) to chemical concentration in soil (mg/kg)
Inhalation of vapors in outdoor air	Soil-to-air volatilization factor (VF _{Soil}) (kg/m ³)	Ratio of chemical concentration in outdoor air (mg/m ³) to chemical concentration in soil (mg/kg)
Inhalation of vapors in indoor air	Soil vapor-to-indoor air attenuation factor (AF _{SV-IA}) (unitless)	Ratio of chemical concentration in indoor air (mg/m ³) to chemical concentration in soil vapor (mg/m ³)

Table 5
Outdoor Air Transfer Factors for Soil
777 North Front Street
Burbank, California

Parameter			Value	Units	Reference
Water-filled soil porosity (θ_w)			0.224	(L _{water} -L _{soil})	Site-specific, see Attachment A.
Total soil porosity (θ_t)			0.333	(L _{pore} -L _{soil})	Site-specific, see Attachment A.
Air-filled soil porosity (θ_a)			0.109	(L _{air} -L _{soil})	Site-specific, see Attachment A.
Soil bulk density (P _b)			1.77	g/cm ³	Site-specific, see Attachment A.
Fraction organic carbon in soil (f _{oc})			0.006	unitless	USEPA 2016 RSL default
Mean annual windspeed		U _m	3.31	m/s	Average for Los Angeles, 7.4 mph (USEPA 2002)
Equivalent threshold value of windspeed at 7m		U _t	11.32	m/s	Default (USEPA 2002)
Windspeed distribution function dependent on U _m /U _t		F _x	4.74E-03	unitless	Los Angeles-Specific (Appendix D, Table 2 in USEPA 1996)
Dispersion correction factor, construction		F _D	0.188	unitless	assumes 1-yr construction (eqn E-16, US EPA 2002)
Exposure interval	residential	T _{res}	8.2E+08	sec	26 year exposure duration
	commercial	T _{commW}	7.9E+08	sec	25 year exposure duration
	construction	T _{constW}	3.2E+07	sec	1 year exposure duration
Inverse of mean concentration	residential/commercial	Q/C _{res/commW}	68.18	(g/m ² -s per kg/m ³)	Calculated for a 0.5-acre site in Los Angeles (USEPA 2002)
	construction, particulates	Q/C _{p,cw}	15.59	(g/m ² -s per kg/m ³)	Estimated for an 8-acre site (eqn E-19, USEPA 2002)
	construction, volatiles	Q/C _{vol,cw}	8.73	(g/m ² -s per kg/m ³)	Estimated for an 8-acre site, subchronic (eqn E-15, USEPA 2002)
Fraction of vegetative cover	residential/commercial	G _{res/commW}	0.5	unitless	Default (USEPA 2002)
	construction	G _{cw}	0	unitless	Professional Judgment
Particulate Emission Factor	residential/commercial	PEF _{res/commW}	1.2E+11	(m ³ /kg)	Estimated for a limited area, 0.5-acre (USEPA 2002)
	construction	PEF _{constW}	4.2E+06	(m ³ /kg)	Estimated for an 8-acre site, = approximately 240 µg/m ³ of dust

Notes:

Particulate Emission Factor; PEF (USEPA 2002): $PEF = [(Q/C * 3600) / (0.036 * (1-G) * (U_m/U_t)^3 * F_x)]$

Sources:

USEPA 1996. Soil Screening Guidance: Technical Background Document. Office of Solid Waste and Emergency Response. Second Edition. EPA/540/R95/128. May.

USEPA 2002. Supplemental Guidance for Developing Soil Screening Levels for Superfund Sites. Peer Review Draft. OSWER 9355.4 24.

USEPA 2016. Regional Screening Levels (RSL) for Chemical Contaminants at Superfund Sites. May. www.epa.gov/region09/superfund/prg/index.html

Table 5
Outdoor Air Transfer Factors for Soil
777 North Front Street
Burbank, California

CAS Number	Chemical of Potential Concern	Diffusivity in Air (D _{air}) (cm ² /s)	Henry's Law Constant (H')	Diffusivity in Water (D _w) (cm ² /s)	Soil organic carbon partition coeff (K _{oc}) (L/kg)	Soil-water partition coefficient (K _d)	Apparent Diffusivity (D _a)	Future Resident VF _{soil} (m ³ /kg)	Future Commercial Worker VF _{soil} (m ³ /kg)	Future Construction Worker VF _{soil} (m ³ /kg)
71-55-6	1,1,1-Trichloroethane	6.5E-02	7.0E-01	9.6E-06	4.4E+01	2.1E-01	9.5E+04	1.0E-07	5.0E-08	2.7E-04
71-43-2	Benzene	9.0E-02	2.3E-01	1.0E-05	1.5E+02	6.9E-01	2.7E+04	2.0E-07	9.5E-08	5.2E-04
156-59-2	cis-1,2-Dichloroethene	8.8E-02	1.7E-01	1.1E-05	4.0E+01	1.9E-01	4.5E+04	1.5E-07	7.3E-08	4.0E-04
100-41-4	Ethylbenzene	6.8E-02	3.2E-01	8.5E-06	4.5E+02	2.1E+00	1.1E+04	3.1E-07	1.5E-07	8.0E-04
127-18-4	Tetrachloroethene	5.0E-02	7.2E-01	9.5E-06	9.5E+01	4.5E-01	5.3E+04	1.4E-07	6.7E-08	3.7E-04
108-88-3	Toluene	7.8E-02	2.7E-01	9.2E-06	2.3E+02	1.1E+00	1.9E+04	2.4E-07	1.1E-07	6.2E-04
156-60-5	trans-1,2-Dichloroethene	8.8E-02	3.8E-01	1.1E-05	4.0E+01	1.9E-01	8.8E+04	1.1E-07	5.2E-08	2.8E-04
79-01-6	Trichloroethene	6.9E-02	4.0E-01	1.0E-05	6.1E+01	2.9E-01	5.9E+04	1.3E-07	6.4E-08	3.5E-04

Notes:

Volatilization Factor; VF (USEPA 2002): $VF = Q/C * ((3.14 * Da * T)^{1/2} * 10^{-4}) / (2 * Pb * Da)$

Sources:

USEPA 2016. Regional Screening Levels (RSL) for Chemical Contaminants at Superfund Sites. May. www.epa.gov/region09/superfund/prg/index.html

Table 6
Model Input Parameters
777 North Front Street
Burbank, California

Model Input Parameter		Value Used	Rationale
General and Soil Physical Property Assumptions			
Average Soil Temperature (Ts), °C		19	Area-specific average
Depth below grade to bottom of enclosed space floor (L _F), cm		15	Slab construction
Soil gas sampling depth below grade (L _s), cm		sample-specific	Actual sample depths: 4-, 15-, 20-, and 30-ft bgs
Soil stratum A SCS soil type		S	Sand based on boring logs & grain texture distribution
Thickness of soil stratum A (h _A), cm		0 to 14 ft bgs	Based on Site boring logs and soil physical properties
Used to Derive 0 to 14-ft RBCs	Stratum A soil dry bulk density, gm/cm ³	1.77	Based on soil physical properties; see Appendix C
	Stratum A soil total porosity, unitless	0.333	
	Stratum A soil water-filled porosity, cm ³ /cm ³	0.224	
	Stratum A soil air-filled porosity, cm ³ /cm ³	0.109	
Soil stratum B SCS soil type		SL	Sandy loam based on boring logs & grain texture distribution
Thickness of soil stratum B (h _B), cm		14 to 61.5 ft bgs	Based on Site boring logs and soil physical properties
Used to Derive >14-ft RBCs	Stratum B soil dry bulk density, gm/cm ³	1.87	Based on soil physical properties; see Appendix C
	Stratum B soil total porosity, unitless	0.294	
	Stratum B soil water-filled porosity, cm ³ /cm ³	0.159	
	Stratum B soil air-filled porosity, cm ³ /cm ³	0.135	
Crack-to-total-area ratio (η), unitless		0.005	Default building dimension (Cal-EPA, 2011)
Floor-wall seam crack width (w), cm		0.1	Default building dimension (Cal-EPA, 2011)
Enclosed space floor thickness (L _{crack}), cm		15	Default building dimension (Cal-EPA, 2011)
Soil building pressure differential (ΔP), g/cm-sec ²		40	Default building dimension (Cal-EPA, 2011)
Average vapor flow rate into building (Q _{soil}), L/m		5	Based on 5 L/min per 100 m ² of building floor space
Future Residential Building Parameters			
Enclosed space floor length (L _B), cm		1000	Default building dimension (Cal-EPA, 2011)
Enclosed space floor width (W _B), cm		1000	Default building dimension (Cal-EPA, 2011)
Enclosed space height (H _B), cm		244	Default ceiling height, 8 feet (Cal-EPA, 2011)
Indoor air exchange rate (ER), hour ⁻¹		0.5	Default residential building assumption (Cal-EPA, 2011)
Future Commercial Building Parameters			
Enclosed space floor length (L _B), cm		1000	Default building dimension (Cal-EPA, 2011)
Enclosed space floor width (W _B), cm		1000	Default building dimension (Cal-EPA, 2011)
Enclosed space height (H _B), cm		366	Proposed ceiling height (12 feet or 3.66 meters)
Indoor air exchange rate (ER), hour ⁻¹		1	Default commercial building assumption
First Floor Parking Garage Parameters			
Enclosed space floor length (L _B), cm		1000	Default building dimension (Cal-EPA, 2011)
Enclosed space floor width (W _B), cm		1000	Default building dimension (Cal-EPA, 2011)
Enclosed space height (H _B), cm		366	Proposed garage ceiling height (12 feet or 3.66 meters)
Indoor air exchange rate (ER), hour ⁻¹		0.75	Default garage building assumption (CEES, 2013)
Leakage Factor (LF), %		3	Average air leakage to account for vapor migration between the ground floor use and the second floor (CEE, 2004)

Notes:

ft bgs - feet below ground surface

CEE, 2004. Reduction of Environmental Tobacco Smoke Transfer in Minnesota Multifamily Buildings Using Air Sealing and Ventilation Treatments. Center for Energy and Environment. November.

Cal-EPA, 2011. Guidance for the Evaluation and Mitigation of Subsurface Vapor Intrusion to Indoor Air. Final. October 2011.

California Energy Efficiency Standards (CEES), 2013 which lists a garage ventilation rate of 0.15 ft³/ft². When converted using a ceiling height of 12 feet, we get an AER of 0.75 per hour = (0.15 ft³/ft²-min) x (60 min/hour) x (1/12 ft) = 0.75 per hour

Table 7a
Soil Vapor to Indoor Air Attenuation Factors
Future Resident
777 North Front Street
Burbank, California

CAS Number	Chemical of Potential Concern	Future Resident AF _{SV-IA}							
		Slab-on-Grade Scenario				Second Floor Scenario			
		4 ft bgs	15 ft bgs	20 ft bgs	30 ft bgs	4 ft bgs	15 ft bgs	20 ft bgs	30 ft bgs
630-20-6	1,1,1,2-Tetrachloroethane	7.5E-05	1.9E-05	1.7E-05	1.4E-05	9.9E-07	2.6E-07	2.3E-07	1.8E-07
71-55-6	1,1,1-Trichloroethane	9.7E-05	2.5E-05	2.2E-05	1.8E-05	1.3E-06	3.4E-07	3.0E-07	2.4E-07
75-34-3	1,1-Dichloroethane	1.2E-04	3.3E-05	2.9E-05	2.3E-05	1.7E-06	4.3E-07	3.8E-07	3.1E-07
75-35-4	1,1-Dichloroethene	1.3E-04	3.3E-05	2.9E-05	2.4E-05	1.7E-06	4.5E-07	3.9E-07	3.2E-07
95-63-6	1,2,4-Trimethylbenzene	9.1E-05	2.4E-05	2.1E-05	1.7E-05	1.2E-06	3.2E-07	2.8E-07	2.2E-07
108-67-8	1,3,5-Trimethylbenzene	9.0E-05	2.3E-05	2.1E-05	1.7E-05	1.2E-06	3.1E-07	2.8E-07	2.2E-07
99-87-6	4-Isopropyltoluene	9.5E-05	2.5E-05	2.2E-05	1.8E-05	1.3E-06	3.3E-07	2.9E-07	2.3E-07
71-43-2	Benzene	1.3E-04	3.5E-05	3.1E-05	2.5E-05	1.8E-06	4.6E-07	4.1E-07	3.3E-07
108-90-7	Chlorobenzene	1.1E-04	2.8E-05	2.5E-05	2.0E-05	1.4E-06	3.8E-07	3.3E-07	2.7E-07
67-66-3	Chloroform	1.2E-04	3.0E-05	2.6E-05	2.1E-05	1.5E-06	4.0E-07	3.5E-07	2.8E-07
156-59-2	cis-1,2-Dichloroethene	1.3E-04	3.4E-05	3.0E-05	2.4E-05	1.7E-06	4.6E-07	4.0E-07	3.3E-07
75-71-8	Dichlorodifluoromethane	1.1E-04	2.9E-05	2.6E-05	2.1E-05	1.5E-06	3.9E-07	3.5E-07	2.8E-07
100-41-4	Ethylbenzene	1.0E-04	2.7E-05	2.3E-05	1.9E-05	1.4E-06	3.6E-07	3.1E-07	2.5E-07
76-13-1	Freon 113	5.7E-05	1.5E-05	1.3E-05	1.0E-05	7.6E-07	1.9E-07	1.7E-07	1.4E-07
104-51-8	n-Butylbenzene	7.9E-05	2.1E-05	1.8E-05	1.5E-05	1.1E-06	2.7E-07	2.4E-07	1.9E-07
103-65-1	n-Propylbenzene	9.0E-05	2.3E-05	2.1E-05	1.7E-05	1.2E-06	3.1E-07	2.7E-07	2.2E-07
127-18-4	Tetrachloroethylene	7.6E-05	2.0E-05	1.7E-05	1.4E-05	1.0E-06	2.6E-07	2.3E-07	1.9E-07
108-88-3	Toluene	1.2E-04	3.0E-05	2.7E-05	2.1E-05	1.5E-06	4.0E-07	3.6E-07	2.9E-07
79-01-6	Trichloroethylene	1.0E-04	2.7E-05	2.4E-05	1.9E-05	1.4E-06	3.6E-07	3.1E-07	2.5E-07
75-69-4	Trichlorofluoromethane	9.7E-05	2.5E-05	2.2E-05	1.8E-05	1.3E-06	3.4E-07	3.0E-07	2.4E-07
1330-20-7	Xylenes	1.0E-04	2.7E-05	2.3E-05	1.9E-05	1.4E-06	3.6E-07	3.1E-07	2.5E-07

Notes:

ft bgs - feet below ground surface

AF_{SV-IA} - Soil vapor to indoor air attenuation factor

AF_{SV-IA} = J&E-modeled AF x 3% leakage factor (Center for Energy and Environment, 2004)

Table 7b
Soil Vapor to Indoor Air Attenuation Factors
Future Commercial Worker
777 North Front Street
Burbank, California

CAS Number	Chemical of Potential Concern	Future Commercial Worker AF _{SV-IA}							
		Slab-on-Grade Scenario				Second Floor Scenario			
		4 ft bgs	15 ft bgs	20 ft bgs	30 ft bgs	4 ft bgs	15 ft bgs	20 ft bgs	30 ft bgs
630-20-6	1,1,1,2-Tetrachloroethane	2.5E-05	6.4E-06	5.6E-06	4.5E-06	9.9E-07	2.6E-07	2.3E-07	1.8E-07
71-55-6	1,1,1-Trichloroethane	3.2E-05	8.4E-06	7.4E-06	6.0E-06	1.3E-06	3.4E-07	3.0E-07	2.4E-07
75-34-3	1,1-Dichloroethane	4.1E-05	1.1E-05	9.5E-06	7.7E-06	1.7E-06	4.3E-07	3.8E-07	3.1E-07
75-35-4	1,1-Dichloroethene	4.2E-05	1.1E-05	9.8E-06	7.9E-06	1.7E-06	4.5E-07	3.9E-07	3.2E-07
95-63-6	1,2,4-Trimethylbenzene	3.0E-05	7.9E-06	7.0E-06	5.6E-06	1.2E-06	3.2E-07	2.8E-07	2.2E-07
108-67-8	1,3,5-Trimethylbenzene	3.0E-05	7.8E-06	6.9E-06	5.5E-06	1.2E-06	3.1E-07	2.8E-07	2.2E-07
99-87-6	4-Isopropyltoluene	3.2E-05	8.2E-06	7.2E-06	5.8E-06	1.3E-06	3.3E-07	2.9E-07	2.3E-07
71-43-2	Benzene	4.4E-05	1.2E-05	1.0E-05	8.2E-06	1.8E-06	4.6E-07	4.1E-07	3.3E-07
108-90-7	Chlorobenzene	3.6E-05	9.4E-06	8.3E-06	6.7E-06	1.4E-06	3.8E-07	3.3E-07	2.7E-07
67-66-3	Chloroform	3.8E-05	1.0E-05	8.8E-06	7.1E-06	1.5E-06	4.0E-07	3.5E-07	2.8E-07
156-59-2	cis-1,2-Dichloroethene	4.4E-05	1.1E-05	1.0E-05	8.1E-06	1.7E-06	4.6E-07	4.0E-07	3.3E-07
75-71-8	Dichlorodifluoromethane	3.7E-05	9.8E-06	8.6E-06	7.0E-06	1.5E-06	3.9E-07	3.5E-07	2.8E-07
100-41-4	Ethylbenzene	3.4E-05	8.9E-06	7.8E-06	6.3E-06	1.4E-06	3.6E-07	3.1E-07	2.5E-07
76-13-1	Freon 113	1.9E-05	4.9E-06	4.3E-06	3.5E-06	7.6E-07	1.9E-07	1.7E-07	1.4E-07
104-51-8	n-Butylbenzene	2.6E-05	6.9E-06	6.0E-06	4.9E-06	1.1E-06	2.7E-07	2.4E-07	1.9E-07
103-65-1	n-Propylbenzene	3.0E-05	7.8E-06	6.9E-06	5.5E-06	1.2E-06	3.1E-07	2.7E-07	2.2E-07
127-18-4	Tetrachloroethylene	2.5E-05	6.6E-06	5.8E-06	4.6E-06	1.0E-06	2.6E-07	2.3E-07	1.9E-07
108-88-3	Toluene	3.9E-05	1.0E-05	8.9E-06	7.2E-06	1.5E-06	4.0E-07	3.6E-07	2.9E-07
79-01-6	Trichloroethylene	3.4E-05	8.9E-06	7.8E-06	6.3E-06	1.4E-06	3.6E-07	3.1E-07	2.5E-07
75-69-4	Trichlorofluoromethane	3.2E-05	8.4E-06	7.4E-06	6.0E-06	1.3E-06	3.4E-07	3.0E-07	2.4E-07
1330-20-7	Xylenes	3.4E-05	8.9E-06	7.8E-06	6.3E-06	1.4E-06	3.6E-07	3.1E-07	2.5E-07

Notes:

ft bgs - feet below ground surface

AF_{SV-IA} - Soil vapor to indoor air attenuation factor

AF_{SV-IA} = J&E-modeled AF x 3% leakage factor (Center for Energy and Environment, 2004)

Table 8
Chronic Toxicity Criteria
777 North Front Street
Burbank, California

CAS Number	Chemical of Potential Concern	GI ABS	Dermal ABS	Toxicity Criteria based on Cancer Effects					Toxicity Criteria based on Noncancer Effects			
				IUR ($\mu\text{g}/\text{m}^3$) ⁻¹	Source	CSF _{oral} (mg/kg-day) ⁻¹	Source		RfC (mg/m ³)	Source	RfD _{oral} (mg/kg-day)	Source
	Metals											
7440-41-7	Beryllium	1	0.01	2.4E-03	1	NC			7.0E-06	1	2.0E-04	1
7440-43-9	Cadmium	0.025	0.001	1.8E-03	1	NC			1.0E-05	1	6.3E-06	1
18540-29-9	Chromium, Hexavalent	0.025		1.5E-01	1	5.0E-01	2		1.0E-04	1	3.0E-03	3
7440-47-3	Chromium, Total	0.013	0.01	NC		NC			NA		1.5E+00	1b
7440-50-8	Copper	1		NC		NC			NA		4.0E-02	3
7439-92-1	Lead	1		NC		NC			NA		NA	
7440-66-6	Zinc	1		NC		NC			NA		3.0E-01	3
	Volatile Organic Compounds (VOCs)											
630-20-6	1,1,1,2-Tetrachloroethane	1		7.4E-06		2.6E-02	1		1.2E-01	1	3.0E-02	1
71-55-6	1,1,1-Trichloroethane	1		NC		NC			1.0E+00	1	2.0E+00	1
75-34-3	1,1-Dichloroethane	1		1.6E-06	1	5.7E-03	1		8.0E-01	1a	2.0E-01	1
75-35-4	1,1-Dichloroethene	1		NC		NC			7.0E-02	1	5.0E-02	3
95-63-6	1,2,4-Trimethylbenzene	1		NC		NC			7.0E-03	3	NA	
108-67-8	1,3,5-Trimethylbenzene	1		NC		NC			4.0E-02	1a	1.0E-02	1
99-87-6	4-Isopropyltoluene	1		NC		NC			4.0E-01	3c	1.0E-01	3c
71-43-2	Benzene	1		2.9E-05	1	1.0E-01	1		3.0E-03	1	4.0E-03	1
108-90-7	Chlorobenzene	1		NC		NC			5.0E-02	3	2.0E-02	3
67-66-3	Chloroform	1		5.3E-06	2	3.1E-02	2		9.8E-02	3	1.0E-02	3
156-59-2	cis-1,2-Dichloroethene	1		NC		NC			8.0E-03	1a	2.0E-03	1
75-71-8	Dichlorodifluoromethane	1		NC		NC			1.0E-01	3	2.0E-01	3
100-41-4	Ethylbenzene	1		2.5E-06	2	1.1E-02	2		1.0E+00	3	1.0E-01	3
76-13-1	Freon 113	1		NC		NC			3.0E+01	3	3.0E+01	3
104-51-8	n-Butylbenzene	1		NC		NC			2.0E-01	1a	5.0E-02	1
103-65-1	n-Propylbenzene	1		NC		NC			1.0E+00	3	1.0E-01	3

Table 8
Chronic Toxicity Criteria
777 North Front Street
Burbank, California

CAS Number	Chemical of Potential Concern	GI ABS	Dermal ABS	Toxicity Criteria based on Cancer Effects					Toxicity Criteria based on Noncancer Effects			
				IUR ($\mu\text{g}/\text{m}^3$) ⁻¹	Source	CSF _{oral} (mg/kg-day) ⁻¹	Source		RfC (mg/m ³)	Source	RfD _{oral} (mg/kg-day)	Source
127-18-4	Tetrachloroethylene	1		6.1E-06	4	5.4E-01	1		3.5E-02	1	6.0E-03	1
108-88-3	Toluene	1		NC		NC			3.0E-01	1	8.0E-02	1
156-60-5	trans-1,2-Dichloroethene	1		NC		NC			8.0E-02	1a	2.0E-02	1
79-01-6	Trichloroethylene	1		4.1E-06	3	4.6E-02	3		2.0E-03	3	5.0E-04	3
75-69-4	Trichlorofluoromethane	1		NC		NC			1.2E+00	1a	3.0E-01	1
1330-20-7	Xylenes	1		NC		NC			1.0E-01	3	2.0E-01	3

Notes:

IUR - inhalation unit risk

CSF_{oral} - cancer slope factor, oral

RfC - reference concentration

RfD_{oral} - reference dose, oral

NA - not available; route-specific toxicity value for this chemical is not available

NC - not considered to be a carcinogen via this route

ABS - absorption

a - Route-to-route extrapolation

b - Surrogate value - assumes toxicity for trivalent chromium

c - Surrogate value - assumes toxicity for cumene (isopropylbenzene)

Sources:

(1) Human Health Risk Assessment (HHRA) Note Number: 3. DTSC-modified Screening Levels (DTSC-SLs). June 2016 (Cal-EPA DTSC).

(2) Cal-EPA (2016) OEHA, Toxicity Criteria Database www.oehha.ca.gov/risk/chemicalDB/index.asp

(3) USEPA, 2016: USEPA (2015) Regional Screening Levels (RSL) for Chemical Contaminants at Superfund Sites. May. www.epa.gov/region09/superfund/prg

(4) Human Health Risk Assessment (HHRA) Note Number: 7. Updated OEHA Inhalation Cancer Toxicity Criteria for Tetrachloroethylene (PCE) and DTSC Recommended Ambient Air and Soil Gas Screening Levels (DTSCSLs). October 2016 (Cal-EPA DTSC).

Table 9
Risk-Based Concentrations for Soil
777 North Front Street
Burbank, California

CAS Number	Chemical of Potential Concern	Note	Future Resident		Future Commercial Worker		Future Construction Worker	
			RBC _{soil-NC} (mg/kg)	RBC _{soil-C} (mg/kg)	RBC _{soil-NC} (mg/kg)	RBC _{soil-C} (mg/kg)	RBC _{soil-NC} (mg/kg)	RBC _{soil-C} (mg/kg)
Metals								
7440-41-7	Beryllium		1.6E+02	1.3E+05	2.1E+02	5.9E+06	4.2E+01	5.3E+03
7440-43-9	Cadmium		5.2E+00	1.8E+05	7.3E+00	7.8E+06	2.2E+00	7.1E+03
18540-29-9	Chromium, Hexavalent	M	2.3E+02	3.1E-01	3.5E+03	6.5E+01	6.7E+02	7.3E+01
7440-47-3	Chromium, Total		3.6E+04	--	1.7E+05	--	4.3E+04	--
7440-50-8	Copper		3.1E+03	--	4.7E+04	--	1.4E+04	--
7440-66-6	Zinc		2.3E+04	--	3.5E+05	--	1.1E+05	--
Volatile Organic Compounds (VOCs)								
71-55-6	1,1,1-Trichloroethane		5.4E+03	--	2.3E+04	--	3.1E+03	--
71-43-2	Benzene		3.4E+01	1.0E+00	1.5E+02	4.4E+01	2.1E+01	1.6E+02
156-59-2	cis-1,2-Dichloroethene		5.0E+01	--	2.7E+02	--	3.9E+01	--
100-41-4	Ethylbenzene		5.7E+03	1.6E+01	4.9E+04	7.2E+02	8.7E+03	2.8E+03
127-18-4	Tetrachloroethylene		1.8E+02	9.5E-01	1.0E+03	4.3E+01	1.5E+02	2.4E+02
108-88-3	Toluene		2.7E+03	--	1.6E+04	--	2.4E+03	--
156-60-5	trans-1,2-Dichloroethene		3.7E+02	--	1.9E+03	--	2.7E+02	--
79-01-6	Trichloroethylene	M	1.1E+01	2.5E+00	5.8E+01	1.7E+02	8.4E+00	6.6E+02

Notes:

" -- " not applicable

" M " mutagen. Mutagenic equations (USEPA RSL 2016) were used to derive RBCs for future residents.

RBC_{soil-C} - risk-based concentration based on cancer effects; RBC_{soil-NC} based on noncancer effects

RBCs based on target cancer risk = 10^{-5} for workers and 10^{-6} for residents and target noncancer hazard = 1

Table 10a
Risk-Based Concentrations for Soil Vapor
Future Resident
777 North Front Street
Burbank, California

CAS Number	Chemical of Potential Concern	Note	Future Resident															
			Slab-on-Grade Scenario								Second Floor Scenario							
			4 ft bgs		15 ft bgs		20 ft bgs		30 ft bgs		4 ft bgs		15 ft bgs		20 ft bgs		30 ft bgs	
			RBC _{SV-C} (µg/m ³)	RBC _{SV-NC} (µg/m ³)	RBC _{SV-C} (µg/m ³)	RBC _{SV-NC} (µg/m ³)	RBC _{SV-C} (µg/m ³)	RBC _{SV-NC} (µg/m ³)	RBC _{SV-C} (µg/m ³)	RBC _{SV-NC} (µg/m ³)	RBC _{SV-C} (µg/m ³)	RBC _{SV-NC} (µg/m ³)	RBC _{SV-C} (µg/m ³)	RBC _{SV-NC} (µg/m ³)	RBC _{SV-C} (µg/m ³)	RBC _{SV-NC} (µg/m ³)	RBC _{SV-C} (µg/m ³)	RBC _{SV-NC} (µg/m ³)
630-20-6	1,1,1,2-Tetrachloroethane		5.1E+03	1.7E+06	2.0E+04	6.5E+06	2.2E+04	7.4E+06	2.8E+04	9.2E+06	3.8E+05	1.3E+08	1.5E+06	4.9E+08	1.7E+06	5.6E+08	2.1E+06	6.9E+08
71-55-6	1,1,1-Trichloroethane		--	1.1E+07	--	4.1E+07	--	4.7E+07	--	5.8E+07	--	8.1E+08	--	3.1E+09	--	3.5E+09	--	4.4E+09
75-34-3	1,1-Dichloroethane		1.4E+04	6.7E+06	5.4E+04	2.6E+07	6.1E+04	2.9E+07	7.6E+04	3.6E+07	1.1E+06	5.0E+08	4.0E+06	1.9E+09	4.6E+06	2.2E+09	5.7E+06	2.7E+09
75-35-4	1,1-Dichloroethene		--	5.7E+05	--	2.2E+06	--	2.5E+06	--	3.1E+06	--	4.3E+07	--	1.6E+08	--	1.9E+08	--	2.3E+08
95-63-6	1,2,4-Trimethylbenzene		--	8.0E+04	--	3.1E+05	--	3.5E+05	--	4.3E+05	--	6.0E+06	--	2.3E+07	--	2.6E+07	--	3.3E+07
108-67-8	1,3,5-Trimethylbenzene		--	4.6E+05	--	1.8E+06	--	2.0E+06	--	2.5E+06	--	3.5E+07	--	1.3E+08	--	1.5E+08	--	1.9E+08
99-87-6	4-Isopropyltoluene		--	4.4E+06	--	1.7E+07	--	1.9E+07	--	2.4E+07	--	3.3E+08	--	1.3E+09	--	1.4E+09	--	1.8E+09
71-43-2	Benzene		7.3E+02	2.4E+04	2.8E+03	9.0E+04	3.2E+03	1.0E+05	3.9E+03	1.3E+05	5.5E+04	1.8E+06	2.1E+05	6.7E+06	2.4E+05	7.7E+06	2.9E+05	9.5E+06
108-90-7	Chlorobenzene		--	4.8E+05	--	1.8E+06	--	2.1E+06	--	2.6E+06	--	3.6E+07	--	1.4E+08	--	1.6E+08	--	2.0E+08
67-66-3	Chloroform		1.1E+03	8.9E+05	4.1E+03	3.4E+06	4.6E+03	3.9E+06	5.7E+03	4.8E+06	8.0E+04	6.7E+07	3.0E+05	2.5E+08	3.5E+05	2.9E+08	4.3E+05	3.6E+08
156-59-2	cis-1,2-Dichloroethene		--	6.4E+04	--	2.4E+05	--	2.8E+05	--	3.4E+05	--	4.8E+06	--	1.8E+07	--	2.1E+07	--	2.6E+07
75-71-8	Dichlorodifluoromethane		--	9.3E+05	--	3.5E+06	--	4.0E+06	--	5.0E+06	--	7.0E+07	--	2.7E+08	--	3.0E+08	--	3.7E+08
100-41-4	Ethylbenzene		1.1E+04	1.0E+07	4.2E+04	3.9E+07	4.8E+04	4.4E+07	5.9E+04	5.5E+07	8.2E+05	7.6E+08	3.2E+06	2.9E+09	3.6E+06	3.3E+09	4.5E+06	4.1E+09
76-13-1	Freon 113		--	5.5E+08	--	2.1E+09	--	2.4E+09	--	3.0E+09	--	4.1E+10	--	1.6E+11	--	1.8E+11	--	2.3E+11
104-51-8	n-Butylbenzene		--	2.6E+06	--	1.0E+07	--	1.2E+07	--	1.4E+07	--	2.0E+08	--	7.6E+08	--	8.7E+08	--	1.1E+09
103-65-1	n-Propylbenzene		--	1.2E+07	--	4.5E+07	--	5.1E+07	--	6.3E+07	--	8.7E+08	--	3.3E+09	--	3.8E+09	--	4.7E+09
127-18-4	Tetrachloroethylene		6.0E+03	4.8E+05	2.3E+04	1.9E+06	2.7E+04	2.1E+06	3.3E+04	2.6E+06	4.5E+05	3.6E+07	1.8E+06	1.4E+08	2.0E+06	1.6E+08	2.5E+06	2.0E+08
108-88-3	Toluene		--	2.7E+06	--	1.0E+07	--	1.2E+07	--	1.5E+07	--	2.0E+08	--	7.8E+08	--	8.8E+08	--	1.1E+09
79-01-6	Trichloroethylene	M	4.7E+03	2.0E+04	1.8E+04	7.8E+04	2.0E+04	8.9E+04	2.5E+04	1.1E+05	3.5E+05	1.5E+06	1.3E+06	5.9E+06	1.5E+06	6.7E+06	1.9E+06	8.3E+06
75-69-4	Trichlorofluoromethane		--	1.3E+07	--	4.9E+07	--	5.6E+07	--	7.0E+07	--	9.6E+08	--	3.7E+09	--	4.2E+09	--	5.2E+09
1330-20-7	Xylenes		--	1.0E+06	--	3.9E+06	--	4.4E+06	--	5.5E+06	--	7.6E+07	--	2.9E+08	--	3.3E+08	--	4.1E+08

Notes:

" -- " not applicable

µg/m³ - micrograms per cubic meter; ft bgs - feet below ground surface

M - mutagen. Mutagenic equations (USEPA RSL 2016) were used to derive the residential RBCs.

RBC_{SV-C} - risk-based concentration based on cancer effects; RBC_{SV-NC} based on noncancer effects

RBCs based on target cancer risk = 10⁻⁶ for future residents and target noncancer hazard = 1

Table 10b
Risk-Based Concentrations for Soil Vapor
Future Commercial Worker
777 North Front Street
Burbank, California

CAS Number	Chemical of Potential Concern	Future Commercial Worker															
		Slab-on-Grade Scenario								Second Floor Scenario							
		4 ft bgs		15 ft bgs		20 ft bgs		30 ft bgs		4 ft bgs		15 ft bgs		20 ft bgs		30 ft bgs	
		RBC _{SV-C} (µg/m ³)	RBC _{SV-NC} (µg/m ³)	RBC _{SV-C} (µg/m ³)	RBC _{SV-NC} (µg/m ³)	RBC _{SV-C} (µg/m ³)	RBC _{SV-NC} (µg/m ³)	RBC _{SV-C} (µg/m ³)	RBC _{SV-NC} (µg/m ³)	RBC _{SV-C} (µg/m ³)	RBC _{SV-NC} (µg/m ³)	RBC _{SV-C} (µg/m ³)	RBC _{SV-NC} (µg/m ³)	RBC _{SV-C} (µg/m ³)	RBC _{SV-NC} (µg/m ³)	RBC _{SV-C} (µg/m ³)	RBC _{SV-NC} (µg/m ³)
630-20-6	1,1,1,2-Tetrachloroethane	6.7E+05	2.1E+07	2.6E+06	8.2E+07	2.9E+06	9.3E+07	3.7E+06	1.2E+08	1.7E+07	5.3E+08	6.5E+07	2.0E+09	7.4E+07	2.3E+09	9.2E+07	2.9E+09
71-55-6	1,1,1-Trichloroethane	--	1.4E+08	--	5.2E+08	--	5.9E+08	--	7.4E+08	--	3.4E+09	--	1.3E+10	--	1.5E+10	--	1.8E+10
75-34-3	1,1-Dichloroethane	1.9E+06	8.5E+07	7.1E+06	3.2E+08	8.0E+06	3.7E+08	1.0E+07	4.6E+08	4.6E+07	2.1E+09	1.8E+08	8.1E+09	2.0E+08	9.2E+09	2.5E+08	1.1E+10
75-35-4	1,1-Dichloroethene	--	7.2E+06	--	2.8E+07	--	3.1E+07	--	3.9E+07	--	1.8E+08	--	6.9E+08	--	7.8E+08	--	9.7E+08
95-63-6	1,2,4-Trimethylbenzene	--	1.0E+06	--	3.9E+06	--	4.4E+06	--	5.5E+06	--	2.5E+07	--	9.7E+07	--	1.1E+08	--	1.4E+08
108-67-8	1,3,5-Trimethylbenzene	--	5.8E+06	--	2.2E+07	--	2.5E+07	--	3.2E+07	--	1.5E+08	--	5.6E+08	--	6.4E+08	--	7.9E+08
99-87-6	4-Isopropyltoluene	--	5.5E+07	--	2.1E+08	--	2.4E+08	--	3.0E+08	--	1.4E+09	--	5.3E+09	--	6.0E+09	--	7.5E+09
71-43-2	Benzene	9.6E+04	3.0E+05	3.6E+05	1.1E+06	4.1E+05	1.3E+06	5.1E+05	1.6E+06	2.4E+06	7.5E+06	9.1E+06	2.8E+07	1.0E+07	3.2E+07	1.3E+07	4.0E+07
108-90-7	Chlorobenzene	--	6.1E+06	--	2.3E+07	--	2.6E+07	--	3.3E+07	--	1.5E+08	--	5.8E+08	--	6.6E+08	--	8.2E+08
67-66-3	Chloroform	1.4E+05	1.1E+07	5.3E+05	4.3E+07	6.0E+05	4.9E+07	7.5E+05	6.0E+07	3.5E+06	2.8E+08	1.3E+07	1.1E+09	1.5E+07	1.2E+09	1.9E+07	1.5E+09
156-59-2	cis-1,2-Dichloroethene	--	8.0E+05	--	3.0E+06	--	3.5E+06	--	4.3E+06	--	2.0E+07	--	7.6E+07	--	8.7E+07	--	1.1E+08
75-71-8	Dichlorodifluoromethane	--	1.2E+07	--	4.5E+07	--	5.1E+07	--	6.3E+07	--	2.9E+08	--	1.1E+09	--	1.3E+09	--	1.6E+09
100-41-4	Ethylbenzene	1.4E+06	1.3E+08	5.5E+06	4.9E+08	6.3E+06	5.6E+08	7.8E+06	7.0E+08	3.6E+07	3.2E+09	1.4E+08	1.2E+10	1.6E+08	1.4E+10	1.9E+08	1.7E+10
76-13-1	Freon 113	--	6.9E+09	--	2.7E+10	--	3.1E+10	--	3.8E+10	--	1.7E+11	--	6.7E+11	--	7.7E+11	--	9.5E+11
104-51-8	n-Butylbenzene	--	3.3E+07	--	1.3E+08	--	1.5E+08	--	1.8E+08	--	8.3E+08	--	3.2E+09	--	3.6E+09	--	4.5E+09
103-65-1	n-Propylbenzene	--	1.5E+08	--	5.6E+08	--	6.4E+08	--	7.9E+08	--	3.6E+09	--	1.4E+10	--	1.6E+10	--	2.0E+10
127-18-4	Tetrachloroethylene	7.9E+05	6.0E+06	3.1E+06	2.3E+07	3.5E+06	2.7E+07	4.3E+06	3.3E+07	2.0E+07	1.5E+08	7.7E+07	5.8E+08	8.7E+07	6.6E+08	1.1E+08	8.2E+08
108-88-3	Toluene	--	3.4E+07	--	1.3E+08	--	1.5E+08	--	1.8E+08	--	8.5E+08	--	3.3E+09	--	3.7E+09	--	4.6E+09
79-01-6	Trichloroethylene	8.8E+05	2.6E+05	3.4E+06	9.8E+05	3.8E+06	1.1E+06	4.7E+06	1.4E+06	2.2E+07	6.4E+06	8.4E+07	2.5E+07	9.5E+07	2.8E+07	1.2E+08	3.5E+07
75-69-4	Trichlorofluoromethane	--	1.6E+08	--	6.2E+08	--	7.1E+08	--	8.8E+08	--	4.0E+09	--	1.6E+10	--	1.8E+10	--	2.2E+10
1330-20-7	Xylenes	--	1.3E+07	--	4.9E+07	--	5.6E+07	--	6.9E+07	--	3.2E+08	--	1.2E+09	--	1.4E+09	--	1.7E+09

Notes:

" -- " not applicable

µg/m³ - micrograms per cubic meter; ft bgs - feet below ground surface

RBC_{SV-C} - risk-based concentration based on cancer effects; RBC_{SV-NC} based on noncancer effects

RBCs based on target cancer risk = 10⁻⁵ for workers and target noncancer hazard = 1

Table 11a
Cumulative Cancer Risk and Noncancer Hazard, Soil
and Summary of Lead (Pb) Concentrations
Future Resident
777 North Front Street
Burbank, California

Boring Location	Sample Depth (ft bgs)	Lead Concentrations (mg/kg) *	Cancer Risk	Noncancer Hazard	Cancer Risk Drivers	Noncancer Hazard Drivers
A1	1	7.1	-- (a)	-- (a)		
	4.5	3.9	-- (a)	-- (a)		
	8.5	4.2	--	1E-03		
A2	1	3.2	9E-09	5E-05		
	4.5	3.1	2E-09	1E-05		
	8.5	0.6	-- (a)	-- (a)		
A3	1	26.1	9E-09	6E-01		
	4.5	3.4	1E-08	6E-05		
	8.5	2.8	1E-08	6E-05		
A4	1	14.8	3E-06	2E-01	PCE	
	4.5	0.8	5E-08	3E-04		
	8.5	0.8	1E-07	9E-04		
A5	1.25	2.8	9E-07	5E-03		
	4.5	1.5	3E-08	2E-04		
A5B	1	74.9	3E-07	5E-01		
	4.5	1.4	4E-08	2E-04		
	8.5	1.6	2E-08	9E-05		
A6	1	1.5	-- (a)	-- (a)		
	4.5	74.5	4E-06	5E-01	CrVI	
	8.5	59.5	9E-06	2E-01	CrVI	
A7	1	15.9	5E-08	6E-03		
	3.5	1110	4E-06	4E+00	PCE; TCE	Copper
	8.5	99.5	2E-09	2E-01		
A8	1	4.1	2E-08	3E-04		
	4.5	4.2	1E-08	6E-05		
	8.5	1.4	2E-09	8E-06		
A9	1	4	7E-09	1E-04		
	4.5	3	5E-09	3E-05		
	8.5	1.3	-- (a)	-- (a)		
A10	1	6.2	7E-09	4E-05		
A11	1	9.6	--	3E-02		
	4.5	2.2	-- (a)	-- (a)		
	8.5	3.1	-- (a)	-- (a)		
A12	1	6.8	-- (a)	-- (a)		
	5	4.2	--	1E-03		
	11	4.2	-- (a)	-- (a)		
A13	1	4	-- (a)	-- (a)		
	5	4.1	-- (a)	-- (a)		
	11	3.2	-- (a)	-- (a)		
B1	1	6.8	-- (a)	-- (a)		
	4.5	5.5	3E-08	2E-04		
	8.5	6.5	2E-09	1E-05		

Table 11a
Cumulative Cancer Risk and Noncancer Hazard, Soil
and Summary of Lead (Pb) Concentrations
Future Resident
777 North Front Street
Burbank, California

Boring Location	Sample Depth (ft bgs)	Lead Concentrations (mg/kg) *	Cancer Risk	Noncancer Hazard	Cancer Risk Drivers	Noncancer Hazard Drivers
B2	1	3	1E-08	7E-05		
	4.5	4.1	2E-09	1E-05		
	8.5	1.2	-- (a)	-- (a)		
B3	1	19.1	2E-08	5E-02		
	4.5	2.1	8E-09	4E-05		
	8.5	2.6	1E-09	7E-06		
B4	1	108	4E-06	3E-01	PCE	
	4.5	2.7	3E-08	4E-02		
	8.5	0.7	2E-08	1E-04		
B5	1	ND	3E-08	2E-04		
	4.5	1.1	2E-07	8E-04		
	8.5	2.4	2E-07	9E-04		
B6	1	2.2	3E-08	2E-04		
	4.5	1	3E-08	2E-04		
	8.5	5.1	2E-08	1E-04		
B7	1	59.6	8E-09	2E-04		
	4.5	3.8	3E-08	1E-03		
	8.5	0.7	-- (a)	-- (a)		
B8	1	2.5	3E-08	2E-03		
	4.5	2.8	4E-09	1E-04		
	8.5	1.9	7E-09	2E-04		
B9	1	4.7	2E-09	1E-05		
	4.5	3	2E-09	1E-05		
	8.5	2.1	2E-09	1E-05		
B10	1	5.2	2E-09	1E-05		
	4.5	3.1	5E-09	2E-05		
	8.5	3.4	3E-09	2E-05		
B11	1	3.3	-- (a)	-- (a)		
	4.5	2.8	8E-09	4E-05		
	8.5	3.1	3E-09	1E-05		
B12	1	5.8	2E-08	3E-04		
	5	3.4	3E-09	2E-05		
	11	2.7	1E-09	7E-06		
B13	1	8.5	-- (a)	-- (a)		
	5	10.6	2E-09	1E-05		
	11	3.2	1E-09	7E-06		
B14	1	23.9	--	1E-03		
	5	ND	-- (a)	-- (a)		
	11	2.1	-- (a)	-- (a)		
B15	1	7.8	--	1E-03		
	4	6.2	-- (a)	-- (a)		
	5	3.6	2E-10	1E-06		

Table 11a
Cumulative Cancer Risk and Noncancer Hazard, Soil
and Summary of Lead (Pb) Concentrations
Future Resident
777 North Front Street
Burbank, California

Boring Location	Sample Depth (ft bgs)	Lead Concentrations (mg/kg) *	Cancer Risk	Noncancer Hazard	Cancer Risk Drivers	Noncancer Hazard Drivers
LB1	1	5.6	3E-09	2E-05		
	4.5	4.1	2E-09	9E-06		
	8.5	2	2E-09	1E-05		
LB2	1	0.8	3E-08	3E-04		
	4.5	1.4	2E-09	1E-05		
	8.5	2.7	2E-09	1E-05		
LB3	1	40.3	5E-08	6E-02		
	4.5	4.2	2E-08	1E-04		
	8.5	0.9	9E-09	5E-05		
LB4	1	11.9	5E-09	3E-02		
	4.5	1.6	3E-08	1E-04		
	8.5	1.6	6E-09	3E-05		
LB5	1	4.9	-- (a)	-- (a)		
	4.5	2.7	2E-08	6E-04		
	8.5	4.6	4E-09	2E-05		
LB6	1	4.2	1E-09	1E-03		
	5	2.7	-- (a)	-- (a)		
	11	3.2	-- (a)	-- (a)		
LB7	1	5.2	4E-09	2E-05		
	5	3.1	-- (a)	-- (a)		
	11	2.4	1E-09	6E-06		
LB8	1	8.2	2E-07	1E-03		
	5	4.2	2E-08	1E-04		
	11	2.7	3E-09	2E-05		
SS-1	5	--	-- (a)	-- (a)		
	10	--	-- (a)	-- (a)		
SS-2	5	--	4E-06	5E-03	CrVI	
	10	1.67	3E-06	1E-01	CrVI	
SS-3	5	--	-- (a)	-- (a)		
	10	1.89	3E-12	2E-03		
SS-4	5	--	-- (a)	-- (a)		
	10	--	-- (a)	-- (a)		
SS-5	5	--	4E-06	6E-03	CrVI	
	10	--	-- (a)	-- (a)		

Notes:

" -- " not applicable; ft bgs - feet below ground surface; " ND " not detected above method detection limit

PCE - tetrachloroethylene; TCE - trichloroethylene; CrVI - hexavalent chromium

* Lead is not quantitatively evaluated as part of the cancer risk and noncancer hazard estimates. Lead concentrations are compared to Cal-EPA DTSC 2016 Note 3 residential Screening Level (SL) of 80 mg/kg.

(a): No chemicals were detected and/or all metals considered within background.

Target cancer risk (CR) = 10^{-6} and target noncancer hazard index (HI) = 1

Shaded/bold: indicates cumulative risk > target risk, cumulative hazard > target hazard; and/or Pb concentration > SL

Risk drivers are those chemicals that have a cancer risk > target CR or a noncancer hazard > target HI

Table 11b
Cumulative Cancer Risk and Noncancer Hazard, Soil
and Summary of Lead (Pb) Concentrations
Future Commercial Worker
777 North Front Street
Burbank, California

Boring Location	Sample Depth (ft bgs)	Lead Concentrations (mg/kg) *	Cancer Risk	Noncancer Hazard	Cancer Risk Drivers	Noncancer Hazard Drivers
A1	1	7.1	-- (a)	-- (a)		
	4.5	3.9	-- (a)	-- (a)		
	8.5	4.2	--	3E-04		
A2	1	3.2	2E-09	8E-06		
	4.5	3.1	5E-10	2E-06		
	8.5	0.6	-- (a)	-- (a)		
A3	1	26.1	2E-09	4E-02		
	4.5	3.4	2E-09	1E-05		
	8.5	2.8	3E-09	1E-05		
A4	1	14.8	6E-07	1E-02		
	4.5	0.8	1E-08	5E-05		
	8.5	0.8	3E-08	2E-04		
A5	1.25	2.8	2E-07	9E-04		
	4.5	1.5	7E-09	3E-05		
A5B	1	74.9	6E-08	2E-01		
	4.5	1.4	9E-09	4E-05		
	8.5	1.6	4E-09	2E-05		
A6	1	1.5	-- (a)	-- (a)		
	4.5	74.5	2E-07	2E-01		
	8.5	59.5	4E-07	1E-02		
A7	1	15.9	9E-09	1E-03		
	3.5	1110	9E-07	1E+00		
	8.5	99.5	5E-10	1E-02		
A8	1	4.1	5E-09	6E-05		
	4.5	4.2	3E-09	1E-05		
	8.5	1.4	3E-10	1E-06		
A9	1	4	2E-09	2E-05		
	4.5	3	1E-09	4E-06		
	8.5	1.3	-- (a)	-- (a)		
A10	1	6.2	2E-09	7E-06		
A11	1	9.6	--	2E-03		
	4.5	2.2	-- (a)	-- (a)		
	8.5	3.1	-- (a)	-- (a)		
A12	1	6.8	-- (a)	-- (a)		
	5	4.2	--	2E-04		
	11	4.2	-- (a)	-- (a)		
A13	1	4	-- (a)	-- (a)		
	5	4.1	-- (a)	-- (a)		
	11	3.2	-- (a)	-- (a)		
B1	1	6.8	-- (a)	-- (a)		
	4.5	5.5	6E-09	3E-05		
	8.5	6.5	5E-10	2E-06		

Table 11b
Cumulative Cancer Risk and Noncancer Hazard, Soil
and Summary of Lead (Pb) Concentrations
Future Commercial Worker
777 North Front Street
Burbank, California

Boring Location	Sample Depth (ft bgs)	Lead Concentrations (mg/kg) *	Cancer Risk	Noncancer Hazard	Cancer Risk Drivers	Noncancer Hazard Drivers
B2	1	3	3E-09	1E-05		
	4.5	4.1	4E-10	2E-06		
	8.5	1.2	-- (a)	-- (a)		
B3	1	19.1	5E-09	3E-03		
	4.5	2.1	2E-09	8E-06		
	8.5	2.6	3E-10	1E-06		
B4	1	108	8E-07	1E-01		
	4.5	2.7	6E-09	3E-03		
	8.5	0.7	5E-09	2E-05		
B5	1	ND	7E-09	3E-05		
	4.5	1.1	3E-08	1E-04		
	8.5	2.4	4E-08	2E-04		
B6	1	2.2	7E-09	3E-05		
	4.5	1	8E-09	3E-05		
	8.5	5.1	5E-09	2E-05		
B7	1	59.6	2E-09	4E-05		
	4.5	3.8	6E-09	3E-04		
	8.5	0.7	-- (a)	-- (a)		
B8	1	2.5	5E-09	4E-04		
	4.5	2.8	8E-10	2E-05		
	8.5	1.9	1E-09	3E-05		
B9	1	4.7	4E-10	2E-06		
	4.5	3	5E-10	2E-06		
	8.5	2.1	5E-10	2E-06		
B10	1	5.2	5E-10	2E-06		
	4.5	3.1	1E-09	4E-06		
	8.5	3.4	6E-10	3E-06		
B11	1	3.3	-- (a)	-- (a)		
	4.5	2.8	2E-09	7E-06		
	8.5	3.1	6E-10	2E-06		
B12	1	5.8	5E-09	5E-05		
	5	3.4	6E-10	3E-06		
	11	2.7	3E-10	1E-06		
B13	1	8.5	-- (a)	-- (a)		
	5	10.6	5E-10	2E-06		
	11	3.2	3E-10	1E-06		
B14	1	23.9	--	3E-04		
	5	ND	-- (a)	-- (a)		
	11	2.1	-- (a)	-- (a)		
B15	1	7.8	--	3E-04		
	4	6.2	-- (a)	-- (a)		
	5	3.6	4E-11	2E-07		

Table 11b
Cumulative Cancer Risk and Noncancer Hazard, Soil
and Summary of Lead (Pb) Concentrations
Future Commercial Worker
777 North Front Street
Burbank, California

Boring Location	Sample Depth (ft bgs)	Lead Concentrations (mg/kg) *	Cancer Risk	Noncancer Hazard	Cancer Risk Drivers	Noncancer Hazard Drivers
LB1	1	5.6	7E-10	3E-06		
	4.5	4.1	4E-10	2E-06		
	8.5	2	4E-10	2E-06		
LB2	1	0.8	7E-09	5E-05		
	4.5	1.4	5E-10	2E-06		
	8.5	2.7	5E-10	2E-06		
LB3	1	40.3	1E-08	4E-03		
	4.5	4.2	5E-09	2E-05		
	8.5	0.9	2E-09	8E-06		
LB4	1	11.9	1E-09	2E-03		
	4.5	1.6	6E-09	3E-05		
	8.5	1.6	1E-09	5E-06		
LB5	1	4.9	-- (a)	-- (a)		
	4.5	2.7	5E-09	1E-04		
	8.5	4.6	9E-10	4E-06		
LB6	1	4.2	2E-10	2E-04		
	5	2.7	-- (a)	-- (a)		
	11	3.2	-- (a)	-- (a)		
LB7	1	5.2	8E-10	3E-06		
	5	3.1	-- (a)	-- (a)		
	11	2.4	2E-10	1E-06		
LB8	1	8.2	4E-08	2E-04		
	5	4.2	5E-09	2E-05		
	11	2.7	7E-10	3E-06		
SS-1	5	--	-- (a)	-- (a)		
	10	--	-- (a)	-- (a)		
SS-2	5	--	2E-07	3E-04		
	10	1.67	1E-07	8E-03		
SS-3	5	--	-- (a)	-- (a)		
	10	1.89	7E-13	2E-03		
SS-4	5	--	-- (a)	-- (a)		
	10	--	-- (a)	-- (a)		
SS-5	5	--	2E-07	4E-04		
	10	--	-- (a)	-- (a)		

Notes:

" -- " not applicable; ft bgs - feet below ground surface; " ND " not detected above method detection limit

* Lead is not quantitatively evaluated as part of the cancer risk and noncancer hazard estimates. Lead concentrations are compared to Cal-EPA DTSC 2016 Note 3 industrial worker Screening Level (SL) for Lead of 320 mg/kg.

(a): No chemicals were detected and/or all metals considered within background.

Target cancer risk (CR) = 10^{-5} and target noncancer hazard index (HI) = 1

Shaded/bold: indicates cumulative risk > target risk, cumulative hazard > target hazard; and/or Pb concentration > SL

Risk drivers are those chemicals that have a cancer risk > target CR or a noncancer hazard > target HI

Table 11c
Cumulative Cancer Risk and Noncancer Hazard, Soil
and Summary of Lead (Pb) Concentrations
Future Construction Worker
777 North Front Street
Burbank, California

Boring Location	Sample Depth (ft bgs)	Lead Concentrations (mg/kg) *	Cancer Risk	Noncancer Hazard	Cancer Risk Drivers	Noncancer Hazard Drivers
A1	1	7.1	-- (a)	-- (a)		
	4.5	3.9	-- (a)	-- (a)		
	8.5	4.2	--	1E-03		
A2	1	3.2	3E-10	6E-05		
	4.5	3.1	9E-11	1E-05		
	8.5	0.6	-- (a)	-- (a)		
A3	1	26.1	4E-10	1E-01		
	4.5	3.4	4E-10	7E-05		
	8.5	2.8	5E-10	8E-05		
A4	1	14.8	1E-07	5E-02		
	4.5	0.8	2E-09	3E-04		
	8.5	0.8	5E-09	1E-03		
A5	1.25	2.8	3E-08	6E-03		
	4.5	1.5	1E-09	2E-04		
A5B	1	74.9	1E-08	6E-01		
	4.5	1.4	2E-09	3E-04		
	8.5	1.6	7E-10	1E-04		
A6	1	1.5	-- (a)	-- (a)		
	4.5	74.5	2E-07	6E-01		
	8.5	59.5	4E-07	4E-02		
A7	1	15.9	2E-09	8E-03		
	3.5	1110	2E-07	4E+00		Cadmium
	8.5	99.5	1E-10	5E-02		
A8	1	4.1	9E-10	4E-04		
	4.5	4.2	5E-10	8E-05		
	8.5	1.4	6E-11	1E-05		
A9	1	4	4E-10	2E-04		
	4.5	3	2E-10	3E-05		
	8.5	1.3	-- (a)	-- (a)		
A10	1	6.2	3E-10	5E-05		
A11	1	9.6	--	7E-03		
	4.5	2.2	-- (a)	-- (a)		
	8.5	3.1	-- (a)	-- (a)		
A12	1	6.8	-- (a)	-- (a)		
	5	4.2	--	9E-04		
	11	4.2	-- (a)	-- (a)		
A13	1	4	-- (a)	-- (a)		
	5	4.1	-- (a)	-- (a)		
	11	3.2	-- (a)	-- (a)		
B1	1	6.8	-- (a)	-- (a)		
	4.5	5.5	1E-09	2E-04		
	8.5	6.5	9E-11	1E-05		

Table 11c
Cumulative Cancer Risk and Noncancer Hazard, Soil
and Summary of Lead (Pb) Concentrations
Future Construction Worker
777 North Front Street
Burbank, California

Boring Location	Sample Depth (ft bgs)	Lead Concentrations (mg/kg) *	Cancer Risk	Noncancer Hazard	Cancer Risk Drivers	Noncancer Hazard Drivers
B2	1	3	5E-10	9E-05		
	4.5	4.1	7E-11	1E-05		
	8.5	1.2	-- (a)	-- (a)		
B3	1	19.1	9E-10	1E-02		
	4.5	2.1	3E-10	5E-05		
	8.5	2.6	5E-11	8E-06		
B4	1	108	1E-07	4E-01		
	4.5	2.7	1E-09	8E-03		
	8.5	0.7	9E-10	2E-04		
B5	1	ND	1E-09	2E-04		
	4.5	1.1	6E-09	1E-03		
	8.5	2.4	7E-09	1E-03		
B6	1	2.2	1E-09	2E-04		
	4.5	1	1E-09	2E-04		
	8.5	5.1	9E-10	1E-04		
B7	1	59.6	4E-10	3E-04		
	4.5	3.8	1E-09	2E-03		
	8.5	0.7	-- (a)	-- (a)		
B8	1	2.5	1E-09	3E-03		
	4.5	2.8	1E-10	1E-04		
	8.5	1.9	3E-10	2E-04		
B9	1	4.7	7E-11	1E-05		
	4.5	3	9E-11	2E-05		
	8.5	2.1	8E-11	1E-05		
B10	1	5.2	8E-11	1E-05		
	4.5	3.1	2E-10	3E-05		
	8.5	3.4	1E-10	2E-05		
B11	1	3.3	-- (a)	-- (a)		
	4.5	2.8	3E-10	5E-05		
	8.5	3.1	1E-10	2E-05		
B12	1	5.8	1E-09	3E-04		
	5	3.4	1E-10	2E-05		
	11	2.7	5E-11	9E-06		
B13	1	8.5	-- (a)	-- (a)		
	5	10.6	9E-11	1E-05		
	11	3.2	5E-11	8E-06		
B14	1	23.9	--	1E-03		
	5	ND	-- (a)	-- (a)		
	11	2.1	-- (a)	-- (a)		
B15	1	7.8	--	1E-03		
	4	6.2	-- (a)	-- (a)		
	5	3.6	1E-11	1E-06		

Table 11c
Cumulative Cancer Risk and Noncancer Hazard, Soil
and Summary of Lead (Pb) Concentrations
Future Construction Worker
777 North Front Street
Burbank, California

Boring Location	Sample Depth (ft bgs)	Lead Concentrations (mg/kg) *	Cancer Risk	Noncancer Hazard	Cancer Risk Drivers	Noncancer Hazard Drivers
LB1	1	5.6	1E-10	2E-05		
	4.5	4.1	7E-11	1E-05		
	8.5	2	7E-11	1E-05		
LB2	1	0.8	1E-09	4E-04		
	4.5	1.4	9E-11	1E-05		
	8.5	2.7	9E-11	1E-05		
LB3	1	40.3	2E-09	1E-02		
	4.5	4.2	8E-10	1E-04		
	8.5	0.9	3E-10	6E-05		
LB4	1	11.9	2E-10	6E-03		
	4.5	1.6	1E-09	2E-04		
	8.5	1.6	2E-10	4E-05		
LB5	1	4.9	-- (a)	-- (a)		
	4.5	2.7	9E-10	8E-04		
	8.5	4.6	2E-10	3E-05		
LB6	1	4.2	4E-11	8E-04		
	5	2.7	-- (a)	-- (a)		
	11	3.2	-- (a)	-- (a)		
LB7	1	5.2	1E-10	2E-05		
	5	3.1	-- (a)	-- (a)		
	11	2.4	4E-11	7E-06		
LB8	1	8.2	8E-09	1E-03		
	5	4.2	9E-10	1E-04		
	11	2.7	1E-10	2E-05		
SS-1	5	--	-- (a)	-- (a)		
	10	--	-- (a)	-- (a)		
SS-2	5	--	2E-07	2E-03		
	10	1.67	1E-07	3E-02		
SS-3	5	--	-- (a)	-- (a)		
	10	1.89	7E-10	9E-03		
SS-4	5	--	-- (a)	-- (a)		
	10	--	-- (a)	-- (a)		
SS-5	5	--	2E-07	2E-03		
	10	--	-- (a)	-- (a)		

Notes:

" -- " not applicable; ft bgs - feet below ground surface; " ND " not detected above method detection limit

* Lead is not quantitatively evaluated as part of the cancer risk and noncancer hazard estimates. Lead concentrations are compared to Cal-EPA DTSC 2016 Note 3 industrial worker Screening Level (SL) for Lead of 320 mg/kg.

(a): No chemicals were detected and/or all metals considered within background.

Target cancer risk (CR) = 10^{-5} and target noncancer hazard index (HI) = 1

Shaded/bold: indicates cumulative risk > target risk, cumulative hazard > target hazard; and/or Pb concentration > SL

Risk drivers are those chemicals that have a cancer risk > target CR or a noncancer hazard > target HI

Table 12a
Cumulative Cancer Risk and Noncancer Hazard
Soil Vapor to Indoor Air, Slab-on-Grade Scenario
777 North Front Street
Burbank, California

Boring ID	Sample Depth (ft bgs)	Future Commercial Worker		Future Resident		Cancer Risk and/or Noncancer Hazard Drivers
		Cancer Risk	Noncancer Hazard	Cancer Risk	Noncancer Hazard	
A1	16	3E-08	7E-04	4E-07	8E-03	
A2	16	2E-08	5E-04	3E-07	6E-03	
A3	20.5	2E-07	2E-03	2E-06	3E-02	PCE
A4	20.5	3E-06	4E-02	4E-05	6E-01	PCE
A5B	20.5	9E-06	1E-01	1E-04	2E+00	PCE
A6	20.5	3E-07	6E-03	4E-06	7E-02	PCE
A7	20.5	2E-07	4E-02	3E-06	5E-01	TCE
A8	20.5	4E-08	2E-03	6E-07	3E-02	
A9	30.5	2E-08	2E-03	3E-07	2E-02	
A10	30.5	2E-08	9E-04	3E-07	1E-02	
A11	20.5	5E-09	1E-04	7E-08	1E-03	
A12	17	3E-09	1E-04	5E-08	2E-03	
A13	17	4E-09	3E-04	6E-08	4E-03	
B1		-- [a]				
B2	16.5	1E-08	3E-04	2E-07	4E-03	
B3	17	4E-08	9E-04	5E-07	1E-02	
B4	19	3E-06	4E-02	4E-05	5E-01	PCE
B5	20	4E-06	5E-02	5E-05	7E-01	PCE
B6		-- [a]				
B7		-- [a]				
B8	20.5	6E-08	6E-03	9E-07	8E-02	
B9	30.5	5E-08	6E-03	8E-07	8E-02	
B10	30.5	4E-08	4E-03	6E-07	5E-02	
B11	20.5	1E-08	2E-04	1E-07	2E-03	
B12	17	2E-08	3E-04	2E-07	3E-03	
B13	17	1E-09	3E-05	1E-08	4E-04	
B14	17	6E-10	5E-05	8E-09	6E-04	
B15	4	3E-09	2E-04	4E-08	2E-03	
LB1	15	1E-09	6E-05	2E-08	7E-04	
	20.5	3E-08	7E-04	4E-07	9E-03	
LB2	19.5	2E-07	2E-03	2E-06	3E-02	PCE
LB3	20	3E-05	4E-01	4E-04	5E+00	PCE
LB4	20.5	2E-06	2E-02	2E-05	3E-01	PCE
LB5	14.5	4E-08	1E-03	6E-07	2E-02	
	20.5	4E-08	2E-03	6E-07	2E-02	
LB6	17	6E-09	2E-04	7E-08	2E-03	
LB7	17	1E-08	2E-04	1E-07	2E-03	
LB8	17	5E-08	8E-04	6E-07	1E-02	

Notes:

[a]: Soil vapor sampling was attempted at this location; however, not enough flow to collect a sample (Leighton, 2016).

ft bgs - feet below ground surface

PCE - tetrachloroethylene; TCE - trichloroethylene

Target cancer risk (CR) = 10^{-6} for residents and 10^{-5} for workers and target noncancer hazard index (HI) = 1

Shaded/bold: indicates cumulative risk > target risk and/or cumulative hazard > target hazard

Risk drivers are those chemicals that have a cancer risk > target CR or a noncancer hazard > target HI

Table 12b
Cumulative Cancer Risk and Noncancer Hazard
Soil Vapor to Indoor Air, Second Floor Scenario
777 North Front Street
Burbank, California

Boring ID	Sample Depth (ft bgs)	Future Commercial Worker		Future Resident		Cancer Risk and/or Noncancer Hazard Drivers
		Cancer Risk	Noncancer Hazard	Cancer Risk	Noncancer Hazard	
A1	16	1E-09	3E-05	6E-09	1E-04	
A2	16	9E-10	2E-05	4E-09	9E-05	
A3	20.5	6E-09	9E-05	3E-08	4E-04	
A4	20.5	1E-07	2E-03	5E-07	7E-03	
A5B	20.5	4E-07	5E-03	2E-06	2E-02	PCE
A6	20.5	1E-08	2E-04	5E-08	1E-03	
A7	20.5	9E-09	2E-03	5E-08	6E-03	
A8	20.5	2E-09	9E-05	8E-09	4E-04	
A9	30.5	9E-10	7E-05	4E-09	3E-04	
A10	30.5	9E-10	3E-05	4E-09	1E-04	
A11	20.5	2E-10	4E-06	9E-10	2E-05	
A12	17	1E-10	6E-06	6E-10	2E-05	
A13	17	2E-10	1E-05	8E-10	6E-05	
B1		-- [a]				
B2	16.5	5E-10	1E-05	2E-09	6E-05	
B3	17	2E-09	4E-05	7E-09	2E-04	
B4	19	1E-07	2E-03	5E-07	7E-03	
B5	20	2E-07	2E-03	7E-07	9E-03	
B6		-- [a]				
B7		-- [a]				
B8	20.5	2E-09	3E-04	1E-08	1E-03	
B9	30.5	2E-09	3E-04	1E-08	1E-03	
B10	30.5	2E-09	1E-04	8E-09	6E-04	
B11	20.5	4E-10	6E-06	2E-09	3E-05	
B12	17	8E-10	1E-05	3E-09	4E-05	
B13	17	4E-11	1E-06	2E-10	5E-06	
B14	17	2E-11	2E-06	1E-10	8E-06	
B15	4	1E-10	7E-06	6E-10	3E-05	
LB1	15	6E-11	2E-06	3E-10	1E-05	
	20.5	1E-09	3E-05	6E-09	1E-04	
LB2	19.5	7E-09	1E-04	3E-08	4E-04	
LB3	20	1E-06	2E-02	5E-06	7E-02	PCE
LB4	20.5	6E-08	8E-04	3E-07	4E-03	
LB5	14.5	2E-09	6E-05	7E-09	2E-04	
	20.5	2E-09	7E-05	7E-09	3E-04	
LB6	17	2E-10	7E-06	1E-09	3E-05	
LB7	17	4E-10	8E-06	2E-09	3E-05	
LB8	17	2E-09	3E-05	8E-09	1E-04	

Notes:

[a]: Soil vapor sampling was attempted at this location; however, not enough flow to collect a sample (Leighton, 2016).

ft bgs - feet below ground surface

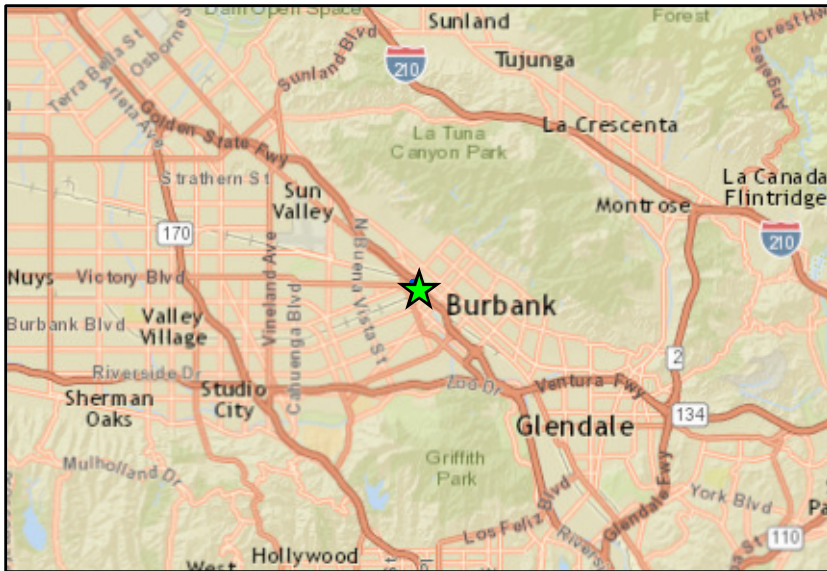
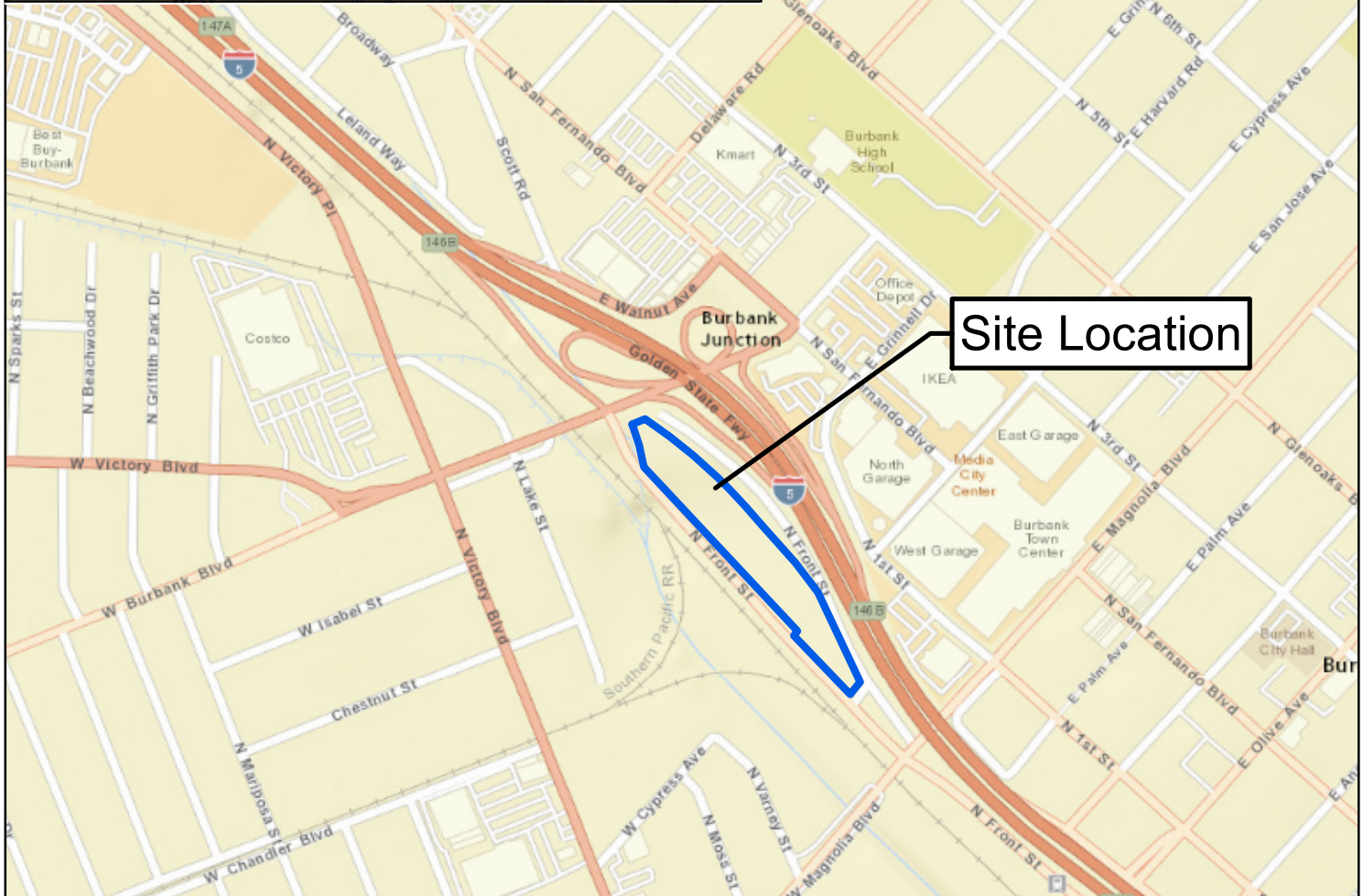
PCE - tetrachloroethylene

Target cancer risk (CR) = 10^{-6} for residents and 10^{-5} for workers and target noncancer hazard index (HI) = 1

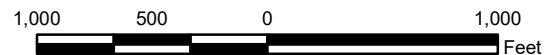
Shaded/bold: indicates cumulative risk > target risk and/or cumulative hazard > target hazard

Risk drivers are those chemicals that have a cancer risk > target CR or a noncancer hazard > target HI

FIGURES



Site Location
777 North Front Street
 Burbank, California



Legend

 Site Boundary

Sources: Esri, HERE, DeLorme, USGS, Intermap,

Geosyntec
 consultants

Figure

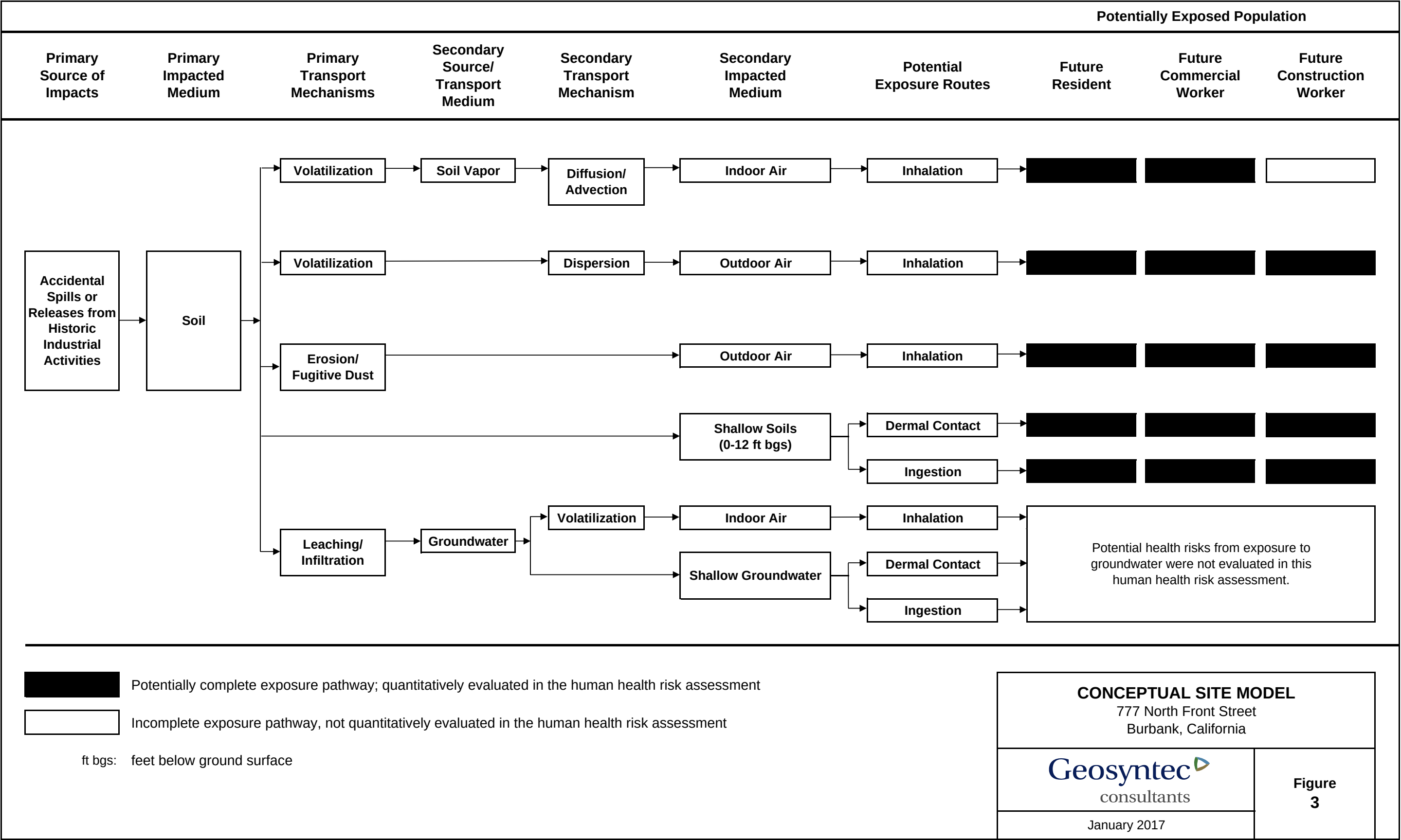
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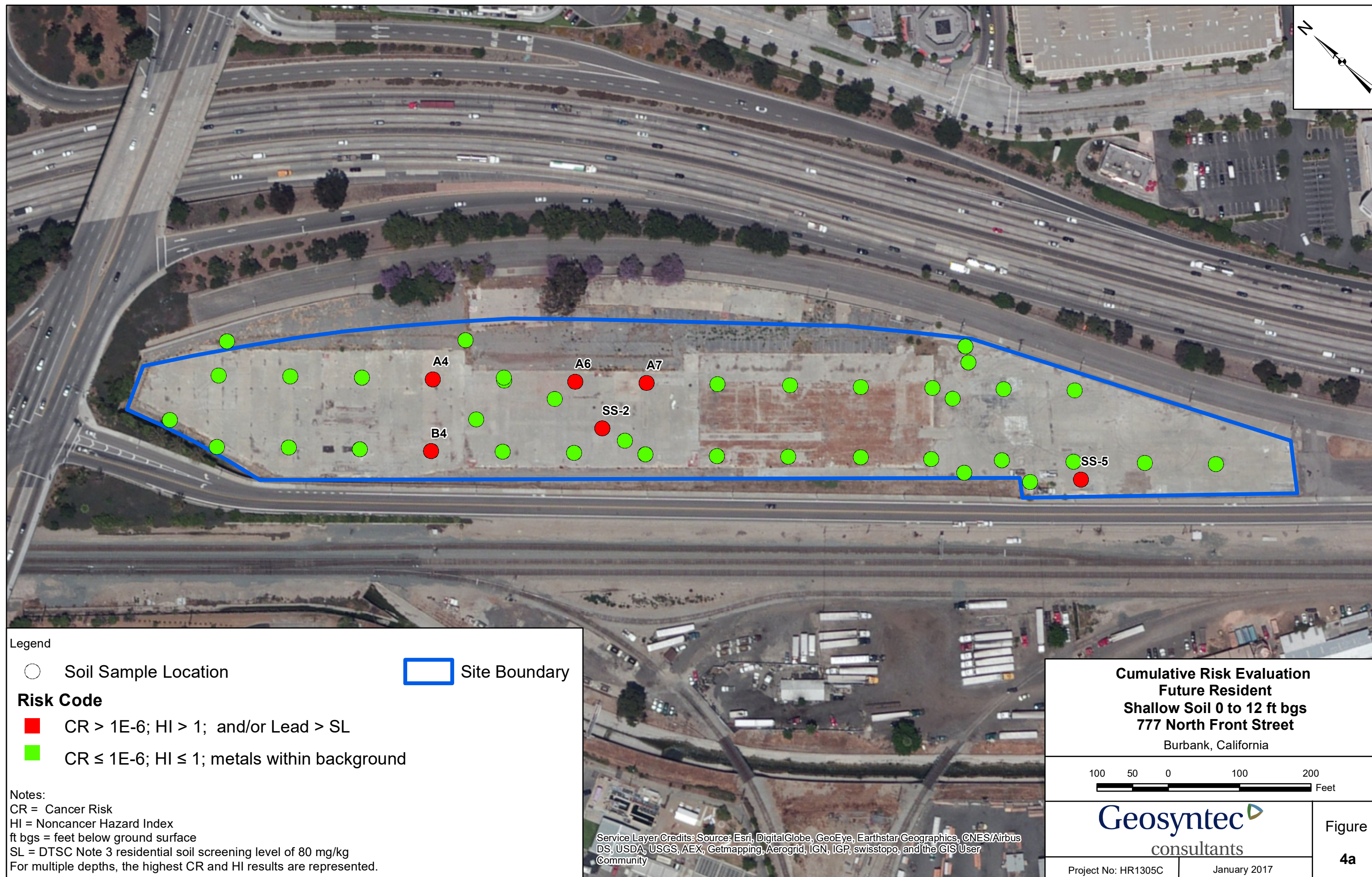
January 2017

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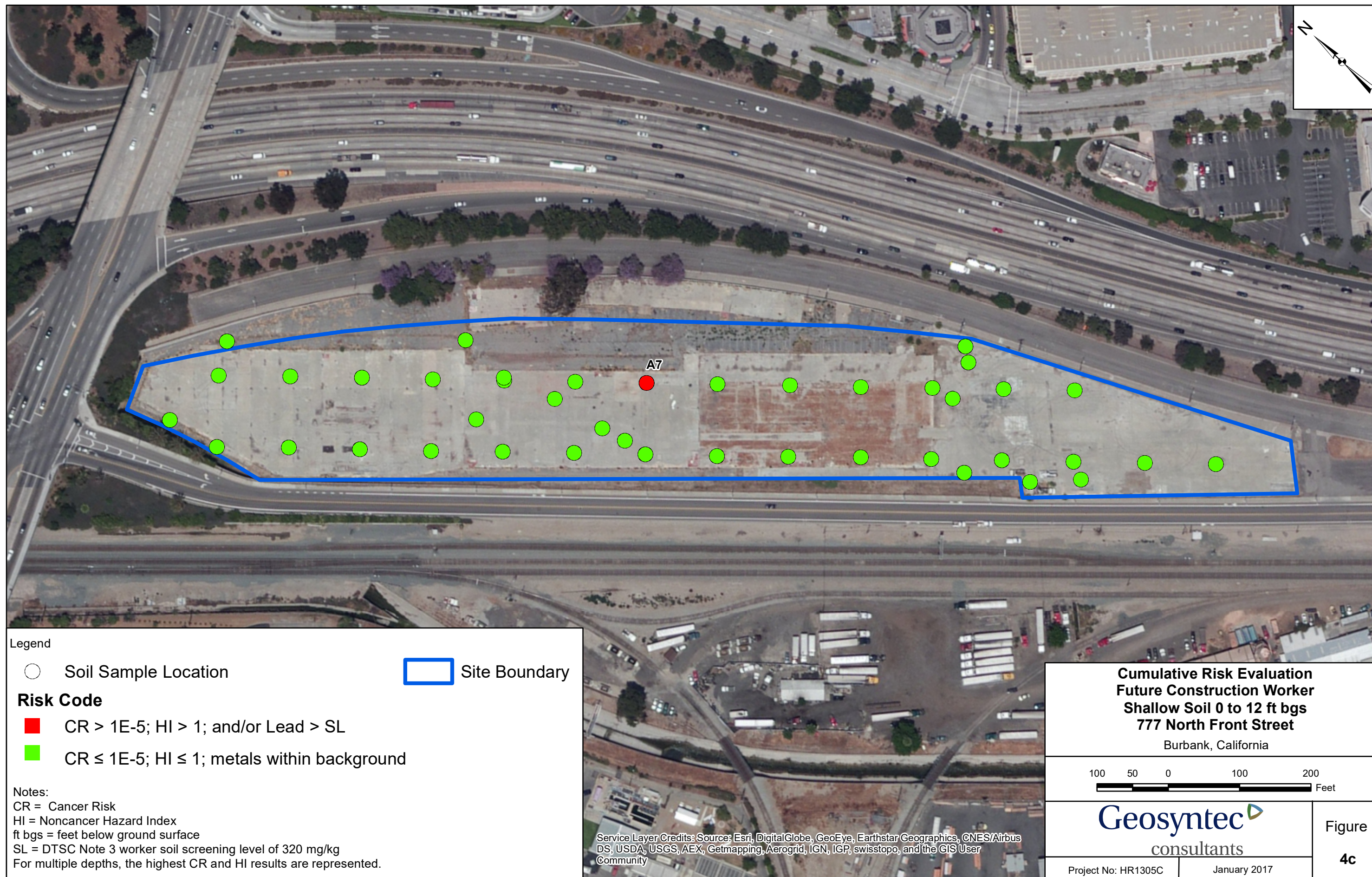
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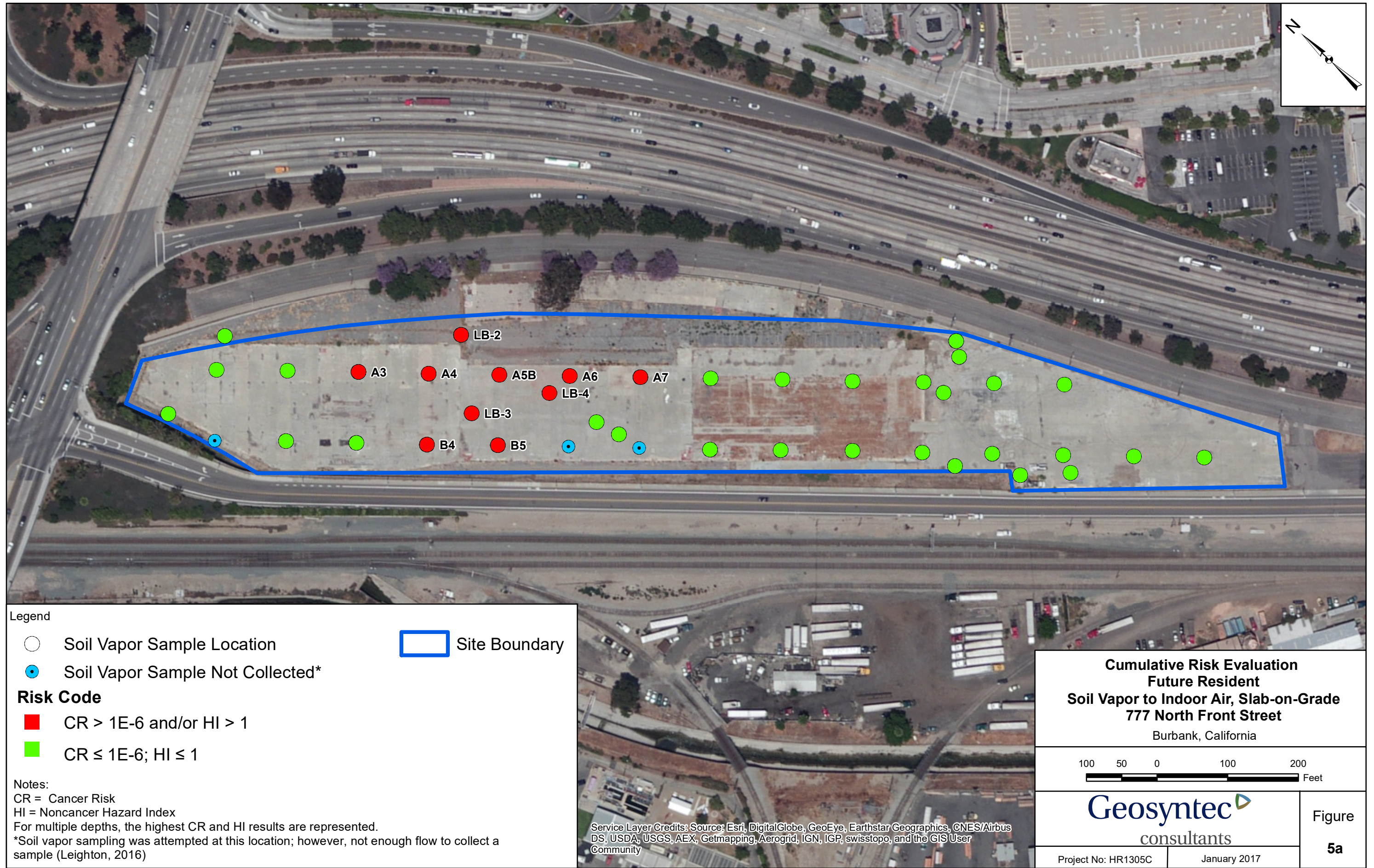
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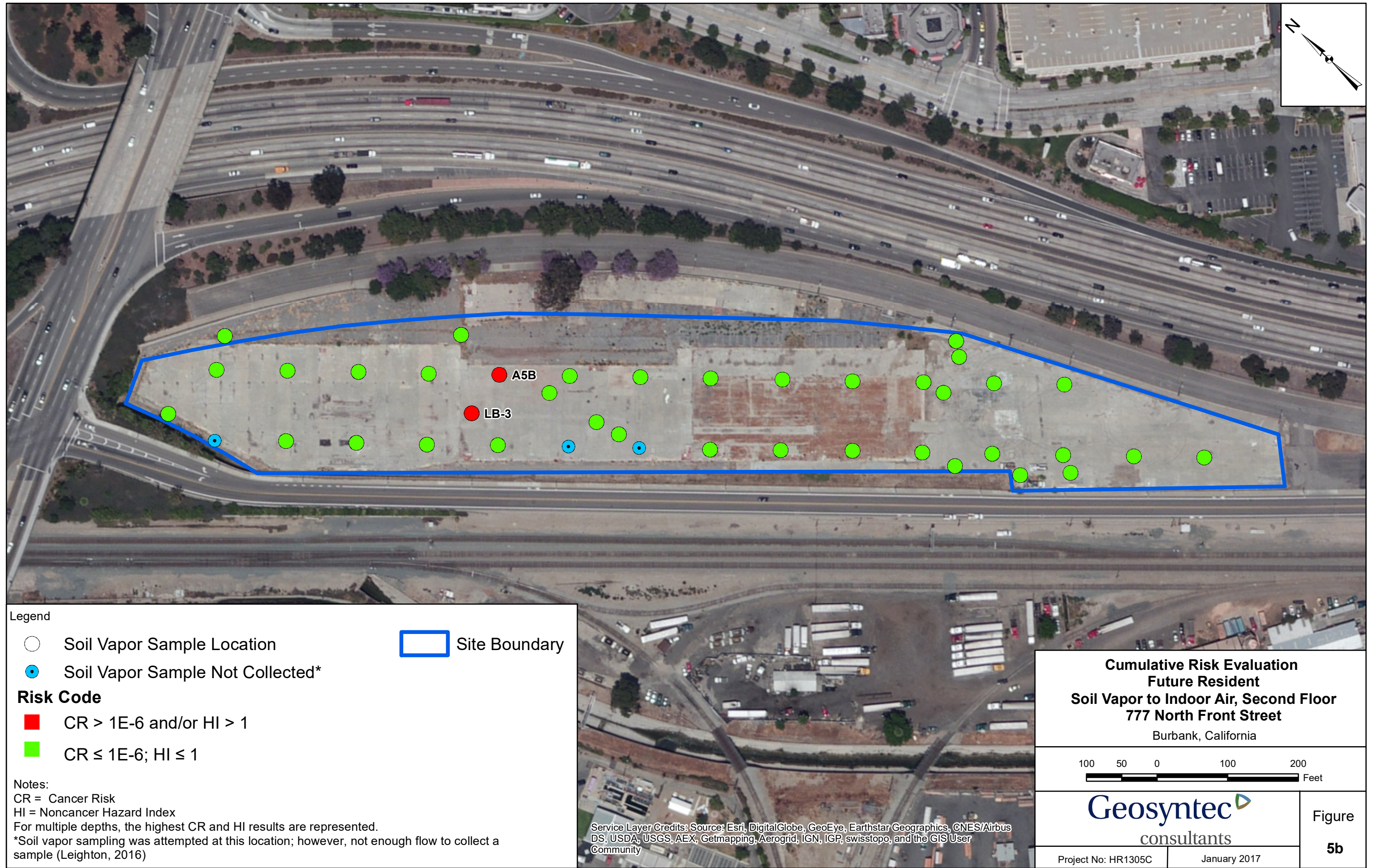
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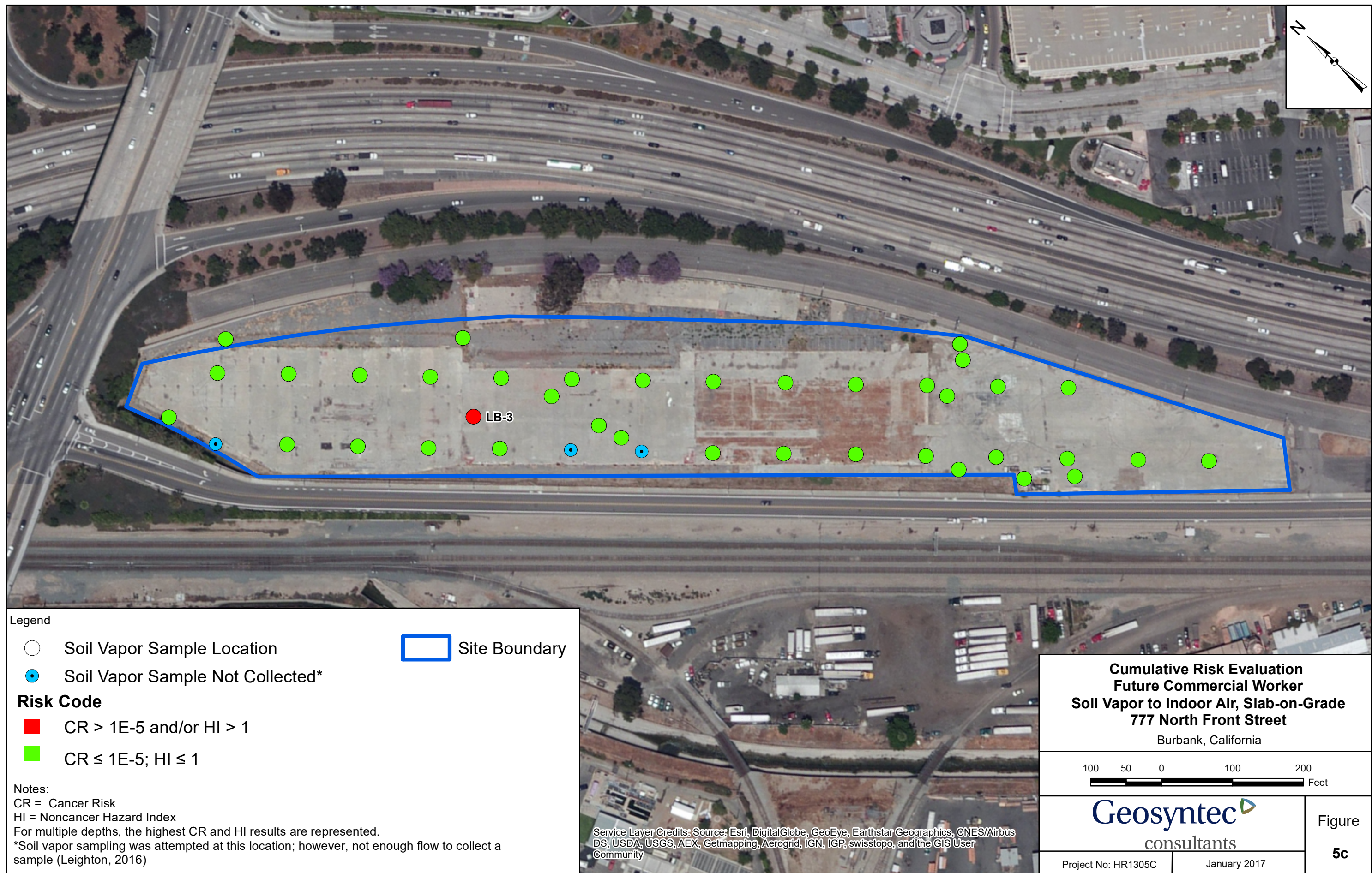
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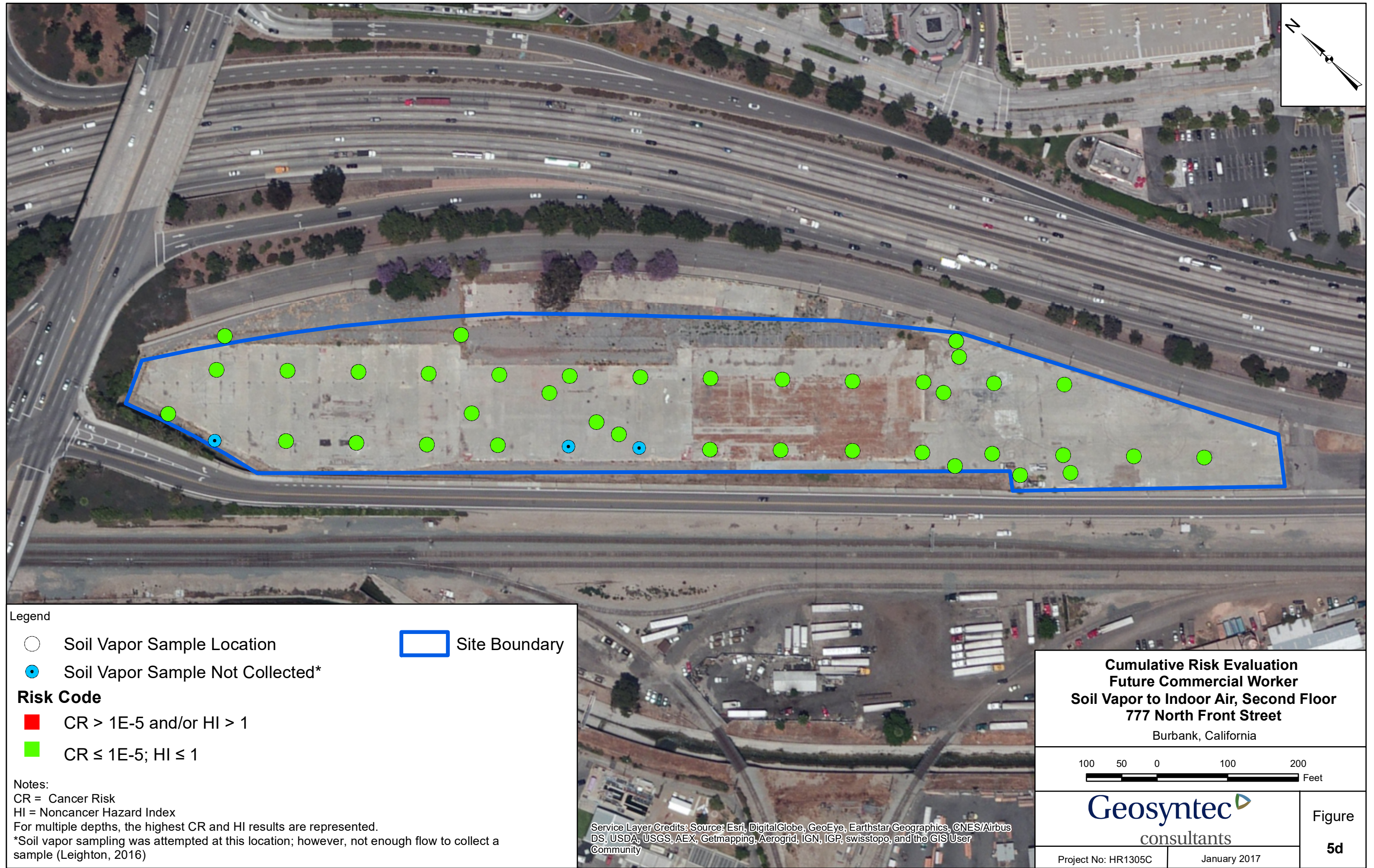
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APPENDICES

APPENDIX A

Summary of Analytical Data

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
A1	1	A1-1'	5/4/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
A1	1	A1-1'	5/4/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
A1	1	A1-1'	5/4/2016	7440-39-3	Barium, Ba	287	mg/kg	0.5
A1	1	A1-1'	5/4/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
A1	1	A1-1'	5/4/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
A1	1	A1-1'	5/4/2016	7440-48-4	Cobalt, Co	11.1	mg/kg	0.5
A1	1	A1-1'	5/4/2016	7440-47-3	Chromium, Cr	15.9	mg/kg	0.5
A1	1	A1-1'	5/4/2016	7440-50-8	Copper, Cu	33.9	mg/kg	0.5
A1	1	A1-1'	5/4/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
A1	1	A1-1'	5/4/2016	7440-02-0	Nickel, Ni	10.6	mg/kg	0.5
A1	1	A1-1'	5/4/2016	7439-92-1	Lead, Pb	7.1	mg/kg	0.5
A1	1	A1-1'	5/4/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
A1	1	A1-1'	5/4/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
A1	1	A1-1'	5/4/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
A1	1	A1-1'	5/4/2016	7440-62-2	Vanadium, V	38.1	mg/kg	0.5
A1	1	A1-1'	5/4/2016	7440-66-6	Zinc, Zn	99.1	mg/kg	0.5
A1	1	A1-1'	5/4/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
A1	1	A1-1'	5/4/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
A1	1	A1-1'	5/4/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
A1	1	A1-1'	5/4/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
A1	1	A1-1'	5/4/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
A1	1	A1-1'	5/4/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
A1	1	A1-1'	5/4/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
A1	1	A1-1'	5/4/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
A1	1	A1-1'	5/4/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
A1	1	A1-1'	5/4/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
A1	1	A1-1'	5/4/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
A1	1	A1-1'	5/4/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
A1	1	A1-1'	5/4/2016	96-12-8	1,2-Dibromo-3-chloropropane	ND	µg/kg	1
A1	1	A1-1'	5/4/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
A1	1	A1-1'	5/4/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
A1	1	A1-1'	5/4/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
A1	1	A1-1'	5/4/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
A1	1	A1-1'	5/4/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
A1	1	A1-1'	5/4/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
A1	1	A1-1'	5/4/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
A1	1	A1-1'	5/4/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
A1	1	A1-1'	5/4/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
A1	1	A1-1'	5/4/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
A1	1	A1-1'	5/4/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
A1	1	A1-1'	5/4/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
A1	1	A1-1'	5/4/2016	71-43-2	Benzene	ND	µg/kg	1
A1	1	A1-1'	5/4/2016	108-86-1	Bromobenzene	ND	µg/kg	1
A1	1	A1-1'	5/4/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
A1	1	A1-1'	5/4/2016	75-25-2	Bromoform	ND	µg/kg	1
A1	1	A1-1'	5/4/2016	56-23-5	Carbon tetrachloride	ND	µg/kg	1
A1	1	A1-1'	5/4/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
A1	1	A1-1'	5/4/2016	67-66-3	Chloroform	ND	µg/kg	1
A1	1	A1-1'	5/4/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
A1	1	A1-1'	5/4/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
A1	1	A1-1'	5/4/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
A1	1	A1-1'	5/4/2016	74-95-3	Dibromomethane	ND	µg/kg	1
A1	1	A1-1'	5/4/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
A1	1	A1-1'	5/4/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
A1	1	A1-1'	5/4/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
A1	1	A1-1'	5/4/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
A1	1	A1-1'	5/4/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
A1	1	A1-1'	5/4/2016	76-13-1	Freon 113	ND	µg/kg	5
A1	1	A1-1'	5/4/2016	N/A	Gasoline Range Organics	ND	µg/kg	0.2
A1	1	A1-1'	5/4/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
A1	1	A1-1'	5/4/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
A1	1	A1-1'	5/4/2016	75-09-2	Methylene chloride	ND	µg/kg	1
A1	1	A1-1'	5/4/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
A1	1	A1-1'	5/4/2016	91-20-3	Naphthalene	ND	µg/kg	1
A1	1	A1-1'	5/4/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
A1	1	A1-1'	5/4/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
A1	1	A1-1'	5/4/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
A1	1	A1-1'	5/4/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
A1	1	A1-1'	5/4/2016	100-42-5	Styrene	ND	µg/kg	1
A1	1	A1-1'	5/4/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
A1	1	A1-1'	5/4/2016	75-65-0	Tert-Butylalcohol (TBA)	ND	µg/kg	50
A1	1	A1-1'	5/4/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
A1	1	A1-1'	5/4/2016	127-18-4	Tetrachloroethylene	ND	µg/kg	1
A1	1	A1-1'	5/4/2016	108-88-3	Toluene	ND	µg/kg	1

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
A1	1	A1-1'	5/4/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
A1	1	A1-1'	5/4/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
A1	1	A1-1'	5/4/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
A1	1	A1-1'	5/4/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
A1	1	A1-1'	5/4/2016	75-01-4	Vinyl chloride	ND	µg/kg	1
A1	1	A1-1'	5/4/2016	108-38-3	Xylenes	ND	µg/kg	1
A1	4.5	A1-4.5'	5/4/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
A1	4.5	A1-4.5'	5/4/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
A1	4.5	A1-4.5'	5/4/2016	7440-39-3	Barium, Ba	225	mg/kg	0.5
A1	4.5	A1-4.5'	5/4/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
A1	4.5	A1-4.5'	5/4/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
A1	4.5	A1-4.5'	5/4/2016	7440-48-4	Cobalt, Co	19.5	mg/kg	0.5
A1	4.5	A1-4.5'	5/4/2016	7440-47-3	Chromium, Cr	33.7	mg/kg	0.5
A1	4.5	A1-4.5'	5/4/2016	7440-50-8	Copper, Cu	41.7	mg/kg	0.5
A1	4.5	A1-4.5'	5/4/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
A1	4.5	A1-4.5'	5/4/2016	7440-02-0	Nickel, Ni	25.8	mg/kg	0.5
A1	4.5	A1-4.5'	5/4/2016	7439-92-1	Lead, Pb	3.9	mg/kg	0.5
A1	4.5	A1-4.5'	5/4/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
A1	4.5	A1-4.5'	5/4/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
A1	4.5	A1-4.5'	5/4/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
A1	4.5	A1-4.5'	5/4/2016	7440-62-2	Vanadium, V	71.9	mg/kg	0.5
A1	4.5	A1-4.5'	5/4/2016	7440-66-6	Zinc, Zn	76.1	mg/kg	0.5
A1	4.5	A1-4.5'	5/4/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
A1	4.5	A1-4.5'	5/4/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
A1	4.5	A1-4.5'	5/4/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
A1	4.5	A1-4.5'	5/4/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
A1	4.5	A1-4.5'	5/4/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
A1	4.5	A1-4.5'	5/4/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
A1	4.5	A1-4.5'	5/4/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
A1	4.5	A1-4.5'	5/4/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
A1	4.5	A1-4.5'	5/4/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
A1	4.5	A1-4.5'	5/4/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
A1	4.5	A1-4.5'	5/4/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
A1	4.5	A1-4.5'	5/4/2016	96-12-8	1,2-Dibromo-3-chloropropane	ND	µg/kg	1
A1	4.5	A1-4.5'	5/4/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
A1	4.5	A1-4.5'	5/4/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
A1	4.5	A1-4.5'	5/4/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
A1	4.5	A1-4.5'	5/4/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
A1	4.5	A1-4.5'	5/4/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
A1	4.5	A1-4.5'	5/4/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
A1	4.5	A1-4.5'	5/4/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
A1	4.5	A1-4.5'	5/4/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
A1	4.5	A1-4.5'	5/4/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
A1	4.5	A1-4.5'	5/4/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
A1	4.5	A1-4.5'	5/4/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
A1	4.5	A1-4.5'	5/4/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
A1	4.5	A1-4.5'	5/4/2016	71-43-2	Benzene	ND	µg/kg	1
A1	4.5	A1-4.5'	5/4/2016	108-86-1	Bromobenzene	ND	µg/kg	1
A1	4.5	A1-4.5'	5/4/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
A1	4.5	A1-4.5'	5/4/2016	75-25-2	Bromoform	ND	µg/kg	1
A1	4.5	A1-4.5'	5/4/2016	56-23-5	Carbon tetrachloride	ND	µg/kg	1
A1	4.5	A1-4.5'	5/4/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
A1	4.5	A1-4.5'	5/4/2016	67-66-3	Chloroform	ND	µg/kg	1
A1	4.5	A1-4.5'	5/4/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
A1	4.5	A1-4.5'	5/4/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
A1	4.5	A1-4.5'	5/4/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
A1	4.5	A1-4.5'	5/4/2016	74-95-3	Dibromomethane	ND	µg/kg	1
A1	4.5	A1-4.5'	5/4/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
A1	4.5	A1-4.5'	5/4/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
A1	4.5	A1-4.5'	5/4/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
A1	4.5	A1-4.5'	5/4/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
A1	4.5	A1-4.5'	5/4/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
A1	4.5	A1-4.5'	5/4/2016	76-13-1	Freon 113	ND	µg/kg	5
A1	4.5	A1-4.5'	5/4/2016	N/A	Gasoline Range Organics	ND	µg/kg	0.2
A1	4.5	A1-4.5'	5/4/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
A1	4.5	A1-4.5'	5/4/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
A1	4.5	A1-4.5'	5/4/2016	75-09-2	Methylene chloride	ND	µg/kg	1
A1	4.5	A1-4.5'	5/4/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
A1	4.5	A1-4.5'	5/4/2016	91-20-3	Naphthalene	ND	µg/kg	1
A1	4.5	A1-4.5'	5/4/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
A1	4.5	A1-4.5'	5/4/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
A1	4.5	A1-4.5'	5/4/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
A1	4.5	A1-4.5'	5/4/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
A1	4.5	A1-4.5'	5/4/2016	100-42-5	Styrene	ND	µg/kg	1

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
A1	4.5	A1-4.5'	5/4/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
A1	4.5	A1-4.5'	5/4/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
A1	4.5	A1-4.5'	5/4/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
A1	4.5	A1-4.5'	5/4/2016	127-18-4	Tetrachloroethylene	ND	µg/kg	1
A1	4.5	A1-4.5'	5/4/2016	108-88-3	Toluene	ND	µg/kg	1
A1	4.5	A1-4.5'	5/4/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
A1	4.5	A1-4.5'	5/4/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
A1	4.5	A1-4.5'	5/4/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
A1	4.5	A1-4.5'	5/4/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
A1	4.5	A1-4.5'	5/4/2016	75-01-4	Vinyl chloride	ND	µg/kg	1
A1	4.5	A1-4.5'	5/4/2016	108-38-3	Xylenes	ND	µg/kg	1
A1	8.5	A1-8.5'	5/4/2016	7439-97-6	Mercury, Hg	0.027	mg/kg	0.02
A1	8.5	A1-8.5'	5/4/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
A1	8.5	A1-8.5'	5/4/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
A1	8.5	A1-8.5'	5/4/2016	7440-39-3	Barium, Ba	246	mg/kg	0.5
A1	8.5	A1-8.5'	5/4/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
A1	8.5	A1-8.5'	5/4/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
A1	8.5	A1-8.5'	5/4/2016	7440-48-4	Cobalt, Co	22.6	mg/kg	0.5
A1	8.5	A1-8.5'	5/4/2016	7440-47-3	Chromium, Cr	43.2	mg/kg	0.5
A1	8.5	A1-8.5'	5/4/2016	7440-50-8	Copper, Cu	47.3	mg/kg	0.5
A1	8.5	A1-8.5'	5/4/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
A1	8.5	A1-8.5'	5/4/2016	7440-02-0	Nickel, Ni	32.6	mg/kg	0.5
A1	8.5	A1-8.5'	5/4/2016	7439-92-1	Lead, Pb	4.2	mg/kg	0.5
A1	8.5	A1-8.5'	5/4/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
A1	8.5	A1-8.5'	5/4/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
A1	8.5	A1-8.5'	5/4/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
A1	8.5	A1-8.5'	5/4/2016	7440-62-2	Vanadium, V	78.4	mg/kg	0.5
A1	8.5	A1-8.5'	5/4/2016	7440-66-6	Zinc, Zn	94.9	mg/kg	0.5
A1	8.5	A1-8.5'	5/4/2016	7439-97-6	Mercury, Hg	0.038	mg/kg	0.02
A1	8.5	A1-8.5'	5/4/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
A1	8.5	A1-8.5'	5/4/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
A1	8.5	A1-8.5'	5/4/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
A1	8.5	A1-8.5'	5/4/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
A1	8.5	A1-8.5'	5/4/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
A1	8.5	A1-8.5'	5/4/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
A1	8.5	A1-8.5'	5/4/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
A1	8.5	A1-8.5'	5/4/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
A1	8.5	A1-8.5'	5/4/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
A1	8.5	A1-8.5'	5/4/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
A1	8.5	A1-8.5'	5/4/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
A1	8.5	A1-8.5'	5/4/2016	96-12-8	1,2-Dibromo-3-chloropropane	ND	µg/kg	1
A1	8.5	A1-8.5'	5/4/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
A1	8.5	A1-8.5'	5/4/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
A1	8.5	A1-8.5'	5/4/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
A1	8.5	A1-8.5'	5/4/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
A1	8.5	A1-8.5'	5/4/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
A1	8.5	A1-8.5'	5/4/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
A1	8.5	A1-8.5'	5/4/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
A1	8.5	A1-8.5'	5/4/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
A1	8.5	A1-8.5'	5/4/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
A1	8.5	A1-8.5'	5/4/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
A1	8.5	A1-8.5'	5/4/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
A1	8.5	A1-8.5'	5/4/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
A1	8.5	A1-8.5'	5/4/2016	71-43-2	Benzene	ND	µg/kg	1
A1	8.5	A1-8.5'	5/4/2016	108-86-1	Bromobenzene	ND	µg/kg	1
A1	8.5	A1-8.5'	5/4/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
A1	8.5	A1-8.5'	5/4/2016	75-25-2	Bromoform	ND	µg/kg	1
A1	8.5	A1-8.5'	5/4/2016	56-23-5	Carbon tetrachloride	ND	µg/kg	1
A1	8.5	A1-8.5'	5/4/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
A1	8.5	A1-8.5'	5/4/2016	67-66-3	Chloroform	ND	µg/kg	1
A1	8.5	A1-8.5'	5/4/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
A1	8.5	A1-8.5'	5/4/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
A1	8.5	A1-8.5'	5/4/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
A1	8.5	A1-8.5'	5/4/2016	74-95-3	Dibromomethane	ND	µg/kg	1
A1	8.5	A1-8.5'	5/4/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
A1	8.5	A1-8.5'	5/4/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
A1	8.5	A1-8.5'	5/4/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
A1	8.5	A1-8.5'	5/4/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
A1	8.5	A1-8.5'	5/4/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
A1	8.5	A1-8.5'	5/4/2016	76-13-1	Freon 113	ND	µg/kg	5
A1	8.5	A1-8.5'	5/4/2016	N/A	Gasoline Range Organics	ND	µg/kg	0.2
A1	8.5	A1-8.5'	5/4/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
A1	8.5	A1-8.5'	5/4/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
A1	8.5	A1-8.5'	5/4/2016	75-09-2	Methylene chloride	ND	µg/kg	1

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
A1	8.5	A1-8.5'	5/4/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
A1	8.5	A1-8.5'	5/4/2016	91-20-3	Naphthalene	ND	µg/kg	1
A1	8.5	A1-8.5'	5/4/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
A1	8.5	A1-8.5'	5/4/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
A1	8.5	A1-8.5'	5/4/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
A1	8.5	A1-8.5'	5/4/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
A1	8.5	A1-8.5'	5/4/2016	100-42-5	Styrene	ND	µg/kg	1
A1	8.5	A1-8.5'	5/4/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
A1	8.5	A1-8.5'	5/4/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
A1	8.5	A1-8.5'	5/4/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
A1	8.5	A1-8.5'	5/4/2016	127-18-4	Tetrachloroethylene	ND	µg/kg	1
A1	8.5	A1-8.5'	5/4/2016	108-88-3	Toluene	ND	µg/kg	1
A1	8.5	A1-8.5'	5/4/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
A1	8.5	A1-8.5'	5/4/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
A1	8.5	A1-8.5'	5/4/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
A1	8.5	A1-8.5'	5/4/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
A1	8.5	A1-8.5'	5/4/2016	75-01-4	Vinyl chloride	ND	µg/kg	1
A1	8.5	A1-8.5'	5/4/2016	108-38-3	Xylenes	ND	µg/kg	1
A2	1	A2-1'	5/4/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
A2	1	A2-1'	5/4/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
A2	1	A2-1'	5/4/2016	7440-39-3	Barium, Ba	188	mg/kg	0.5
A2	1	A2-1'	5/4/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
A2	1	A2-1'	5/4/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
A2	1	A2-1'	5/4/2016	7440-48-4	Cobalt, Co	15.5	mg/kg	0.5
A2	1	A2-1'	5/4/2016	7440-47-3	Chromium, Cr	28.5	mg/kg	0.5
A2	1	A2-1'	5/4/2016	7440-50-8	Copper, Cu	33.8	mg/kg	0.5
A2	1	A2-1'	5/4/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
A2	1	A2-1'	5/4/2016	7440-02-0	Nickel, Ni	19.7	mg/kg	0.5
A2	1	A2-1'	5/4/2016	7439-92-1	Lead, Pb	3.2	mg/kg	0.5
A2	1	A2-1'	5/4/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
A2	1	A2-1'	5/4/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
A2	1	A2-1'	5/4/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
A2	1	A2-1'	5/4/2016	7440-62-2	Vanadium, V	58.2	mg/kg	0.5
A2	1	A2-1'	5/4/2016	7440-66-6	Zinc, Zn	66.7	mg/kg	0.5
A2	1	A2-1'	5/4/2016	7439-97-6	Mercury, Hg	0.051	mg/kg	0.02
A2	1	A2-1'	5/4/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
A2	1	A2-1'	5/4/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
A2	1	A2-1'	5/4/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
A2	1	A2-1'	5/4/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
A2	1	A2-1'	5/4/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
A2	1	A2-1'	5/4/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
A2	1	A2-1'	5/4/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
A2	1	A2-1'	5/4/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
A2	1	A2-1'	5/4/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
A2	1	A2-1'	5/4/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
A2	1	A2-1'	5/4/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
A2	1	A2-1'	5/4/2016	96-12-8	1,2-Dibromo-3-chloropropane	ND	µg/kg	1
A2	1	A2-1'	5/4/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
A2	1	A2-1'	5/4/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
A2	1	A2-1'	5/4/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
A2	1	A2-1'	5/4/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
A2	1	A2-1'	5/4/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
A2	1	A2-1'	5/4/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
A2	1	A2-1'	5/4/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
A2	1	A2-1'	5/4/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
A2	1	A2-1'	5/4/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
A2	1	A2-1'	5/4/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
A2	1	A2-1'	5/4/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
A2	1	A2-1'	5/4/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
A2	1	A2-1'	5/4/2016	71-43-2	Benzene	ND	µg/kg	1
A2	1	A2-1'	5/4/2016	108-86-1	Bromobenzene	ND	µg/kg	1
A2	1	A2-1'	5/4/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
A2	1	A2-1'	5/4/2016	75-25-2	Bromoform	ND	µg/kg	1
A2	1	A2-1'	5/4/2016	56-23-5	Carbon tetrachloride	ND	µg/kg	1
A2	1	A2-1'	5/4/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
A2	1	A2-1'	5/4/2016	67-66-3	Chloroform	ND	µg/kg	1
A2	1	A2-1'	5/4/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
A2	1	A2-1'	5/4/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
A2	1	A2-1'	5/4/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
A2	1	A2-1'	5/4/2016	74-95-3	Dibromomethane	ND	µg/kg	1
A2	1	A2-1'	5/4/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
A2	1	A2-1'	5/4/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
A2	1	A2-1'	5/4/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
A2	1	A2-1'	5/4/2016	100-41-4	Ethylbenzene	ND	µg/kg	1

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
A2	1	A2-1'	5/4/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
A2	1	A2-1'	5/4/2016	76-13-1	Freon 113	ND	µg/kg	5
A2	1	A2-1'	5/4/2016	N/A	Gasoline Range Organics	ND	µg/kg	0.2
A2	1	A2-1'	5/4/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
A2	1	A2-1'	5/4/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
A2	1	A2-1'	5/4/2016	75-09-2	Methylene chloride	ND	µg/kg	1
A2	1	A2-1'	5/4/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
A2	1	A2-1'	5/4/2016	91-20-3	Naphthalene	ND	µg/kg	1
A2	1	A2-1'	5/4/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
A2	1	A2-1'	5/4/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
A2	1	A2-1'	5/4/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
A2	1	A2-1'	5/4/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
A2	1	A2-1'	5/4/2016	100-42-5	Styrene	ND	µg/kg	1
A2	1	A2-1'	5/4/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
A2	1	A2-1'	5/4/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
A2	1	A2-1'	5/4/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
A2	1	A2-1'	5/4/2016	127-18-4	Tetrachloroethylene	8.2	µg/kg	1
A2	1	A2-1'	5/4/2016	108-88-3	Toluene	ND	µg/kg	1
A2	1	A2-1'	5/4/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
A2	1	A2-1'	5/4/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
A2	1	A2-1'	5/4/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
A2	1	A2-1'	5/4/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
A2	1	A2-1'	5/4/2016	75-01-4	Vinyl chloride	ND	µg/kg	1
A2	1	A2-1'	5/4/2016	108-38-3	Xylenes	ND	µg/kg	1
A2	4.5	A2-4.5'	5/4/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
A2	4.5	A2-4.5'	5/4/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
A2	4.5	A2-4.5'	5/4/2016	7440-39-3	Barium, Ba	152	mg/kg	0.5
A2	4.5	A2-4.5'	5/4/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
A2	4.5	A2-4.5'	5/4/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
A2	4.5	A2-4.5'	5/4/2016	7440-48-4	Cobalt, Co	13.4	mg/kg	0.5
A2	4.5	A2-4.5'	5/4/2016	7440-47-3	Chromium, Cr	31.8	mg/kg	0.5
A2	4.5	A2-4.5'	5/4/2016	7440-50-8	Copper, Cu	30.4	mg/kg	0.5
A2	4.5	A2-4.5'	5/4/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
A2	4.5	A2-4.5'	5/4/2016	7440-02-0	Nickel, Ni	21.5	mg/kg	0.5
A2	4.5	A2-4.5'	5/4/2016	7439-92-1	Lead, Pb	3.1	mg/kg	0.5
A2	4.5	A2-4.5'	5/4/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
A2	4.5	A2-4.5'	5/4/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
A2	4.5	A2-4.5'	5/4/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
A2	4.5	A2-4.5'	5/4/2016	7440-62-2	Vanadium, V	52.5	mg/kg	0.5
A2	4.5	A2-4.5'	5/4/2016	7440-66-6	Zinc, Zn	62.5	mg/kg	0.5
A2	4.5	A2-4.5'	5/4/2016	7439-97-6	Mercury, Hg	0.038	mg/kg	0.02
A2	4.5	A2-4.5'	5/4/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
A2	4.5	A2-4.5'	5/4/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
A2	4.5	A2-4.5'	5/4/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
A2	4.5	A2-4.5'	5/4/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
A2	4.5	A2-4.5'	5/4/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
A2	4.5	A2-4.5'	5/4/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
A2	4.5	A2-4.5'	5/4/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
A2	4.5	A2-4.5'	5/4/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
A2	4.5	A2-4.5'	5/4/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
A2	4.5	A2-4.5'	5/4/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
A2	4.5	A2-4.5'	5/4/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
A2	4.5	A2-4.5'	5/4/2016	96-12-8	1,2-Dibromo-3-chloropropane	ND	µg/kg	1
A2	4.5	A2-4.5'	5/4/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
A2	4.5	A2-4.5'	5/4/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
A2	4.5	A2-4.5'	5/4/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
A2	4.5	A2-4.5'	5/4/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
A2	4.5	A2-4.5'	5/4/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
A2	4.5	A2-4.5'	5/4/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
A2	4.5	A2-4.5'	5/4/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
A2	4.5	A2-4.5'	5/4/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
A2	4.5	A2-4.5'	5/4/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
A2	4.5	A2-4.5'	5/4/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
A2	4.5	A2-4.5'	5/4/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
A2	4.5	A2-4.5'	5/4/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
A2	4.5	A2-4.5'	5/4/2016	71-43-2	Benzene	ND	µg/kg	1
A2	4.5	A2-4.5'	5/4/2016	108-86-1	Bromobenzene	ND	µg/kg	1
A2	4.5	A2-4.5'	5/4/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
A2	4.5	A2-4.5'	5/4/2016	75-25-2	Bromoform	ND	µg/kg	1
A2	4.5	A2-4.5'	5/4/2016	56-23-5	Carbon tetrachloride	ND	µg/kg	1
A2	4.5	A2-4.5'	5/4/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
A2	4.5	A2-4.5'	5/4/2016	67-66-3	Chloroform	ND	µg/kg	1
A2	4.5	A2-4.5'	5/4/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
A2	4.5	A2-4.5'	5/4/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
A2	4.5	A2-4.5'	5/4/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
A2	4.5	A2-4.5'	5/4/2016	74-95-3	Dibromomethane	ND	µg/kg	1
A2	4.5	A2-4.5'	5/4/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
A2	4.5	A2-4.5'	5/4/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
A2	4.5	A2-4.5'	5/4/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
A2	4.5	A2-4.5'	5/4/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
A2	4.5	A2-4.5'	5/4/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
A2	4.5	A2-4.5'	5/4/2016	76-13-1	Freon 113	ND	µg/kg	5
A2	4.5	A2-4.5'	5/4/2016	N/A	Gasoline Range Organics	ND	µg/kg	0.2
A2	4.5	A2-4.5'	5/4/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
A2	4.5	A2-4.5'	5/4/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
A2	4.5	A2-4.5'	5/4/2016	75-09-2	Methylene chloride	ND	µg/kg	1
A2	4.5	A2-4.5'	5/4/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
A2	4.5	A2-4.5'	5/4/2016	91-20-3	Naphthalene	ND	µg/kg	1
A2	4.5	A2-4.5'	5/4/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
A2	4.5	A2-4.5'	5/4/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
A2	4.5	A2-4.5'	5/4/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
A2	4.5	A2-4.5'	5/4/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
A2	4.5	A2-4.5'	5/4/2016	100-42-5	Styrene	ND	µg/kg	1
A2	4.5	A2-4.5'	5/4/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
A2	4.5	A2-4.5'	5/4/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
A2	4.5	A2-4.5'	5/4/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
A2	4.5	A2-4.5'	5/4/2016	127-18-4	Tetrachloroethylene	2.1	µg/kg	1
A2	4.5	A2-4.5'	5/4/2016	108-88-3	Toluene	ND	µg/kg	1
A2	4.5	A2-4.5'	5/4/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
A2	4.5	A2-4.5'	5/4/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
A2	4.5	A2-4.5'	5/4/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
A2	4.5	A2-4.5'	5/4/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
A2	4.5	A2-4.5'	5/4/2016	75-01-4	Vinyl chloride	ND	µg/kg	1
A2	4.5	A2-4.5'	5/4/2016	108-38-3	Xylenes	ND	µg/kg	1
A2	8.5	A2-8.5'	5/4/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
A2	8.5	A2-8.5'	5/4/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
A2	8.5	A2-8.5'	5/4/2016	7440-39-3	Barium, Ba	111	mg/kg	0.5
A2	8.5	A2-8.5'	5/4/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
A2	8.5	A2-8.5'	5/4/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
A2	8.5	A2-8.5'	5/4/2016	7440-48-4	Cobalt, Co	8.4	mg/kg	0.5
A2	8.5	A2-8.5'	5/4/2016	7440-47-3	Chromium, Cr	18.3	mg/kg	0.5
A2	8.5	A2-8.5'	5/4/2016	7440-50-8	Copper, Cu	16.4	mg/kg	0.5
A2	8.5	A2-8.5'	5/4/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
A2	8.5	A2-8.5'	5/4/2016	7440-02-0	Nickel, Ni	9.5	mg/kg	0.5
A2	8.5	A2-8.5'	5/4/2016	7439-92-1	Lead, Pb	0.6	mg/kg	0.5
A2	8.5	A2-8.5'	5/4/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
A2	8.5	A2-8.5'	5/4/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
A2	8.5	A2-8.5'	5/4/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
A2	8.5	A2-8.5'	5/4/2016	7440-62-2	Vanadium, V	39.9	mg/kg	0.5
A2	8.5	A2-8.5'	5/4/2016	7440-66-6	Zinc, Zn	38.8	mg/kg	0.5
A2	8.5	A2-8.5'	5/4/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
A2	8.5	A2-8.5'	5/4/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
A2	8.5	A2-8.5'	5/4/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
A2	8.5	A2-8.5'	5/4/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
A2	8.5	A2-8.5'	5/4/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
A2	8.5	A2-8.5'	5/4/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
A2	8.5	A2-8.5'	5/4/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
A2	8.5	A2-8.5'	5/4/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
A2	8.5	A2-8.5'	5/4/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
A2	8.5	A2-8.5'	5/4/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
A2	8.5	A2-8.5'	5/4/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
A2	8.5	A2-8.5'	5/4/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
A2	8.5	A2-8.5'	5/4/2016	96-12-8	1,2-Dibromo-3-chloropropane	ND	µg/kg	1
A2	8.5	A2-8.5'	5/4/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
A2	8.5	A2-8.5'	5/4/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
A2	8.5	A2-8.5'	5/4/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
A2	8.5	A2-8.5'	5/4/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
A2	8.5	A2-8.5'	5/4/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
A2	8.5	A2-8.5'	5/4/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
A2	8.5	A2-8.5'	5/4/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
A2	8.5	A2-8.5'	5/4/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
A2	8.5	A2-8.5'	5/4/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
A2	8.5	A2-8.5'	5/4/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
A2	8.5	A2-8.5'	5/4/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
A2	8.5	A2-8.5'	5/4/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
A2	8.5	A2-8.5'	5/4/2016	71-43-2	Benzene	ND	µg/kg	1
A2	8.5	A2-8.5'	5/4/2016	108-86-1	Bromobenzene	ND	µg/kg	1
A2	8.5	A2-8.5'	5/4/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
A2	8.5	A2-8.5'	5/4/2016	75-25-2	Bromoform	ND	µg/kg	1
A2	8.5	A2-8.5'	5/4/2016	56-23-5	Carbon tetrachloride	ND	µg/kg	1
A2	8.5	A2-8.5'	5/4/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
A2	8.5	A2-8.5'	5/4/2016	67-66-3	Chloroform	ND	µg/kg	1
A2	8.5	A2-8.5'	5/4/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
A2	8.5	A2-8.5'	5/4/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
A2	8.5	A2-8.5'	5/4/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
A2	8.5	A2-8.5'	5/4/2016	74-95-3	Dibromomethane	ND	µg/kg	1
A2	8.5	A2-8.5'	5/4/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
A2	8.5	A2-8.5'	5/4/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
A2	8.5	A2-8.5'	5/4/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
A2	8.5	A2-8.5'	5/4/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
A2	8.5	A2-8.5'	5/4/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
A2	8.5	A2-8.5'	5/4/2016	76-13-1	Freon 113	ND	µg/kg	5
A2	8.5	A2-8.5'	5/4/2016	N/A	Gasoline Range Organics	ND	µg/kg	0.2
A2	8.5	A2-8.5'	5/4/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
A2	8.5	A2-8.5'	5/4/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
A2	8.5	A2-8.5'	5/4/2016	75-09-2	Methylene chloride	ND	µg/kg	1
A2	8.5	A2-8.5'	5/4/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
A2	8.5	A2-8.5'	5/4/2016	91-20-3	Naphthalene	ND	µg/kg	1
A2	8.5	A2-8.5'	5/4/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
A2	8.5	A2-8.5'	5/4/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
A2	8.5	A2-8.5'	5/4/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
A2	8.5	A2-8.5'	5/4/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
A2	8.5	A2-8.5'	5/4/2016	100-42-5	Styrene	ND	µg/kg	1
A2	8.5	A2-8.5'	5/4/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
A2	8.5	A2-8.5'	5/4/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
A2	8.5	A2-8.5'	5/4/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
A2	8.5	A2-8.5'	5/4/2016	127-18-4	Tetrachloroethylene	ND	µg/kg	1
A2	8.5	A2-8.5'	5/4/2016	108-88-3	Toluene	ND	µg/kg	1
A2	8.5	A2-8.5'	5/4/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
A2	8.5	A2-8.5'	5/4/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
A2	8.5	A2-8.5'	5/4/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
A2	8.5	A2-8.5'	5/4/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
A2	8.5	A2-8.5'	5/4/2016	75-01-4	Vinyl chloride	ND	µg/kg	1
A2	8.5	A2-8.5'	5/4/2016	108-38-3	Xylenes	ND	µg/kg	1
A3	1	A3-1'	5/4/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
A3	1	A3-1'	5/4/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
A3	1	A3-1'	5/4/2016	7440-39-3	Barium, Ba	91.9	mg/kg	0.5
A3	1	A3-1'	5/4/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
A3	1	A3-1'	5/4/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
A3	1	A3-1'	5/4/2016	7440-48-4	Cobalt, Co	5.6	mg/kg	0.5
A3	1	A3-1'	5/4/2016	7440-47-3	Chromium, Cr	10.3	mg/kg	0.5
A3	1	A3-1'	5/4/2016	7440-50-8	Copper, Cu	1980	mg/kg	5
A3	1	A3-1'	5/4/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
A3	1	A3-1'	5/4/2016	7440-02-0	Nickel, Ni	13.4	mg/kg	0.5
A3	1	A3-1'	5/4/2016	7439-92-1	Lead, Pb	26.1	mg/kg	0.5
A3	1	A3-1'	5/4/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
A3	1	A3-1'	5/4/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
A3	1	A3-1'	5/4/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
A3	1	A3-1'	5/4/2016	7440-62-2	Vanadium, V	28.9	mg/kg	0.5
A3	1	A3-1'	5/4/2016	7440-66-6	Zinc, Zn	114	mg/kg	0.5
A3	1	A3-1'	5/4/2016	7439-97-6	Mercury, Hg	0.074	mg/kg	0.02
A3	1	A3-1'	5/4/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
A3	1	A3-1'	5/4/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
A3	1	A3-1'	5/4/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
A3	1	A3-1'	5/4/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
A3	1	A3-1'	5/4/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
A3	1	A3-1'	5/4/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
A3	1	A3-1'	5/4/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
A3	1	A3-1'	5/4/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
A3	1	A3-1'	5/4/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
A3	1	A3-1'	5/4/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
A3	1	A3-1'	5/4/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
A3	1	A3-1'	5/4/2016	96-12-8	1,2-Dibromo-3-chloropropane	ND	µg/kg	1
A3	1	A3-1'	5/4/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
A3	1	A3-1'	5/4/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
A3	1	A3-1'	5/4/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
A3	1	A3-1'	5/4/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
A3	1	A3-1'	5/4/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
A3	1	A3-1'	5/4/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
A3	1	A3-1'	5/4/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
A3	1	A3-1'	5/4/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
A3	1	A3-1'	5/4/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
A3	1	A3-1'	5/4/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
A3	1	A3-1'	5/4/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
A3	1	A3-1'	5/4/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
A3	1	A3-1'	5/4/2016	71-43-2	Benzene	ND	µg/kg	1
A3	1	A3-1'	5/4/2016	108-86-1	Bromobenzene	ND	µg/kg	1
A3	1	A3-1'	5/4/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
A3	1	A3-1'	5/4/2016	75-25-2	Bromoform	ND	µg/kg	1
A3	1	A3-1'	5/4/2016	56-23-5	Carbon tetrachloride	ND	µg/kg	1
A3	1	A3-1'	5/4/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
A3	1	A3-1'	5/4/2016	67-66-3	Chloroform	ND	µg/kg	1
A3	1	A3-1'	5/4/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
A3	1	A3-1'	5/4/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
A3	1	A3-1'	5/4/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
A3	1	A3-1'	5/4/2016	74-95-3	Dibromomethane	ND	µg/kg	1
A3	1	A3-1'	5/4/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
A3	1	A3-1'	5/4/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
A3	1	A3-1'	5/4/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
A3	1	A3-1'	5/4/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
A3	1	A3-1'	5/4/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
A3	1	A3-1'	5/4/2016	76-13-1	Freon 113	ND	µg/kg	5
A3	1	A3-1'	5/4/2016	N/A	Gasoline Range Organics	ND	µg/kg	0.2
A3	1	A3-1'	5/4/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
A3	1	A3-1'	5/4/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
A3	1	A3-1'	5/4/2016	75-09-2	Methylene chloride	ND	µg/kg	1
A3	1	A3-1'	5/4/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
A3	1	A3-1'	5/4/2016	91-20-3	Naphthalene	ND	µg/kg	1
A3	1	A3-1'	5/4/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
A3	1	A3-1'	5/4/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
A3	1	A3-1'	5/4/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
A3	1	A3-1'	5/4/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
A3	1	A3-1'	5/4/2016	100-42-5	Styrene	ND	µg/kg	1
A3	1	A3-1'	5/4/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
A3	1	A3-1'	5/4/2016	75-65-0	Tert-Butylalcohol (TBA)	ND	µg/kg	50
A3	1	A3-1'	5/4/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
A3	1	A3-1'	5/4/2016	127-18-4	Tetrachloroethylene	8.9	µg/kg	1
A3	1	A3-1'	5/4/2016	108-88-3	Toluene	ND	µg/kg	1
A3	1	A3-1'	5/4/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
A3	1	A3-1'	5/4/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
A3	1	A3-1'	5/4/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
A3	1	A3-1'	5/4/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
A3	1	A3-1'	5/4/2016	75-01-4	Vinyl chloride	ND	µg/kg	1
A3	1	A3-1'	5/4/2016	108-38-3	Xylenes	ND	µg/kg	1
A3	4.5	A3-4.5'	5/4/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
A3	4.5	A3-4.5'	5/4/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
A3	4.5	A3-4.5'	5/4/2016	7440-39-3	Barium, Ba	218	mg/kg	0.5
A3	4.5	A3-4.5'	5/4/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
A3	4.5	A3-4.5'	5/4/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
A3	4.5	A3-4.5'	5/4/2016	7440-48-4	Cobalt, Co	18.3	mg/kg	0.5
A3	4.5	A3-4.5'	5/4/2016	7440-47-3	Chromium, Cr	32.9	mg/kg	0.5
A3	4.5	A3-4.5'	5/4/2016	7440-50-8	Copper, Cu	48.8	mg/kg	0.5
A3	4.5	A3-4.5'	5/4/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
A3	4.5	A3-4.5'	5/4/2016	7440-02-0	Nickel, Ni	24.1	mg/kg	0.5
A3	4.5	A3-4.5'	5/4/2016	7439-92-1	Lead, Pb	3.4	mg/kg	0.5
A3	4.5	A3-4.5'	5/4/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
A3	4.5	A3-4.5'	5/4/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
A3	4.5	A3-4.5'	5/4/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
A3	4.5	A3-4.5'	5/4/2016	7440-62-2	Vanadium, V	70.4	mg/kg	0.5
A3	4.5	A3-4.5'	5/4/2016	7440-66-6	Zinc, Zn	72.5	mg/kg	0.5
A3	4.5	A3-4.5'	5/4/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
A3	4.5	A3-4.5'	5/4/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
A3	4.5	A3-4.5'	5/4/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
A3	4.5	A3-4.5'	5/4/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
A3	4.5	A3-4.5'	5/4/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
A3	4.5	A3-4.5'	5/4/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
A3	4.5	A3-4.5'	5/4/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
A3	4.5	A3-4.5'	5/4/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
A3	4.5	A3-4.5'	5/4/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
A3	4.5	A3-4.5'	5/4/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
A3	4.5	A3-4.5'	5/4/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
A3	4.5	A3-4.5'	5/4/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
A3	4.5	A3-4.5'	5/4/2016	96-12-8	1,2-Dibromo-3-chloropropane	ND	µg/kg	1
A3	4.5	A3-4.5'	5/4/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
A3	4.5	A3-4.5'	5/4/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
A3	4.5	A3-4.5'	5/4/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
A3	4.5	A3-4.5'	5/4/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
A3	4.5	A3-4.5'	5/4/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
A3	4.5	A3-4.5'	5/4/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
A3	4.5	A3-4.5'	5/4/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
A3	4.5	A3-4.5'	5/4/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
A3	4.5	A3-4.5'	5/4/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
A3	4.5	A3-4.5'	5/4/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
A3	4.5	A3-4.5'	5/4/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
A3	4.5	A3-4.5'	5/4/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
A3	4.5	A3-4.5'	5/4/2016	71-43-2	Benzene	ND	µg/kg	1
A3	4.5	A3-4.5'	5/4/2016	108-86-1	Bromobenzene	ND	µg/kg	1
A3	4.5	A3-4.5'	5/4/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
A3	4.5	A3-4.5'	5/4/2016	75-25-2	Bromoform	ND	µg/kg	1
A3	4.5	A3-4.5'	5/4/2016	56-23-5	Carbon tetrachloride	ND	µg/kg	1
A3	4.5	A3-4.5'	5/4/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
A3	4.5	A3-4.5'	5/4/2016	67-66-3	Chloroform	ND	µg/kg	1
A3	4.5	A3-4.5'	5/4/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
A3	4.5	A3-4.5'	5/4/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
A3	4.5	A3-4.5'	5/4/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
A3	4.5	A3-4.5'	5/4/2016	74-95-3	Dibromomethane	ND	µg/kg	1
A3	4.5	A3-4.5'	5/4/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
A3	4.5	A3-4.5'	5/4/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
A3	4.5	A3-4.5'	5/4/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
A3	4.5	A3-4.5'	5/4/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
A3	4.5	A3-4.5'	5/4/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
A3	4.5	A3-4.5'	5/4/2016	76-13-1	Freon 113	ND	µg/kg	5
A3	4.5	A3-4.5'	5/4/2016	N/A	Gasoline Range Organics	ND	µg/kg	0.2
A3	4.5	A3-4.5'	5/4/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
A3	4.5	A3-4.5'	5/4/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
A3	4.5	A3-4.5'	5/4/2016	75-09-2	Methylene chloride	ND	µg/kg	1
A3	4.5	A3-4.5'	5/4/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
A3	4.5	A3-4.5'	5/4/2016	91-20-3	Naphthalene	ND	µg/kg	1
A3	4.5	A3-4.5'	5/4/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
A3	4.5	A3-4.5'	5/4/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
A3	4.5	A3-4.5'	5/4/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
A3	4.5	A3-4.5'	5/4/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
A3	4.5	A3-4.5'	5/4/2016	100-42-5	Styrene	ND	µg/kg	1
A3	4.5	A3-4.5'	5/4/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
A3	4.5	A3-4.5'	5/4/2016	75-65-0	Tert-Butylalcohol (TBA)	ND	µg/kg	50
A3	4.5	A3-4.5'	5/4/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
A3	4.5	A3-4.5'	5/4/2016	127-18-4	Tetrachloroethylene	10.5	µg/kg	1
A3	4.5	A3-4.5'	5/4/2016	108-88-3	Toluene	ND	µg/kg	1
A3	4.5	A3-4.5'	5/4/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
A3	4.5	A3-4.5'	5/4/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
A3	4.5	A3-4.5'	5/4/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
A3	4.5	A3-4.5'	5/4/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
A3	4.5	A3-4.5'	5/4/2016	75-01-4	Vinyl chloride	ND	µg/kg	1
A3	4.5	A3-4.5'	5/4/2016	108-38-3	Xylenes	ND	µg/kg	1
A3	8.5	A3-8.5'	5/4/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
A3	8.5	A3-8.5'	5/4/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
A3	8.5	A3-8.5'	5/4/2016	7440-39-3	Barium, Ba	231	mg/kg	0.5
A3	8.5	A3-8.5'	5/4/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
A3	8.5	A3-8.5'	5/4/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
A3	8.5	A3-8.5'	5/4/2016	7440-48-4	Cobalt, Co	18.6	mg/kg	0.5
A3	8.5	A3-8.5'	5/4/2016	7440-47-3	Chromium, Cr	33.3	mg/kg	0.5
A3	8.5	A3-8.5'	5/4/2016	7440-50-8	Copper, Cu	37.9	mg/kg	0.5
A3	8.5	A3-8.5'	5/4/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
A3	8.5	A3-8.5'	5/4/2016	7440-02-0	Nickel, Ni	24.2	mg/kg	0.5
A3	8.5	A3-8.5'	5/4/2016	7439-92-1	Lead, Pb	2.8	mg/kg	0.5
A3	8.5	A3-8.5'	5/4/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
A3	8.5	A3-8.5'	5/4/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
A3	8.5	A3-8.5'	5/4/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
A3	8.5	A3-8.5'	5/4/2016	7440-62-2	Vanadium, V	70.4	mg/kg	0.5
A3	8.5	A3-8.5'	5/4/2016	7440-66-6	Zinc, Zn	76.8	mg/kg	0.5
A3	8.5	A3-8.5'	5/4/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
A3	8.5	A3-8.5'	5/4/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
A3	8.5	A3-8.5'	5/4/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
A3	8.5	A3-8.5'	5/4/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
A3	8.5	A3-8.5'	5/4/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
A3	8.5	A3-8.5'	5/4/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
A3	8.5	A3-8.5'	5/4/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
A3	8.5	A3-8.5'	5/4/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
A3	8.5	A3-8.5'	5/4/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
A3	8.5	A3-8.5'	5/4/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
A3	8.5	A3-8.5'	5/4/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
A3	8.5	A3-8.5'	5/4/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
A3	8.5	A3-8.5'	5/4/2016	96-12-8	1,2-Dibromo-3-chloropropane	ND	µg/kg	1
A3	8.5	A3-8.5'	5/4/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
A3	8.5	A3-8.5'	5/4/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
A3	8.5	A3-8.5'	5/4/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
A3	8.5	A3-8.5'	5/4/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
A3	8.5	A3-8.5'	5/4/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
A3	8.5	A3-8.5'	5/4/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
A3	8.5	A3-8.5'	5/4/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
A3	8.5	A3-8.5'	5/4/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
A3	8.5	A3-8.5'	5/4/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
A3	8.5	A3-8.5'	5/4/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
A3	8.5	A3-8.5'	5/4/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
A3	8.5	A3-8.5'	5/4/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
A3	8.5	A3-8.5'	5/4/2016	71-43-2	Benzene	ND	µg/kg	1
A3	8.5	A3-8.5'	5/4/2016	108-86-1	Bromobenzene	ND	µg/kg	1
A3	8.5	A3-8.5'	5/4/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
A3	8.5	A3-8.5'	5/4/2016	75-25-2	Bromoform	ND	µg/kg	1
A3	8.5	A3-8.5'	5/4/2016	56-23-5	Carbon tetrachloride	ND	µg/kg	1
A3	8.5	A3-8.5'	5/4/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
A3	8.5	A3-8.5'	5/4/2016	67-66-3	Chloroform	ND	µg/kg	1
A3	8.5	A3-8.5'	5/4/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
A3	8.5	A3-8.5'	5/4/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
A3	8.5	A3-8.5'	5/4/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
A3	8.5	A3-8.5'	5/4/2016	74-95-3	Dibromomethane	ND	µg/kg	1
A3	8.5	A3-8.5'	5/4/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
A3	8.5	A3-8.5'	5/4/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
A3	8.5	A3-8.5'	5/4/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
A3	8.5	A3-8.5'	5/4/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
A3	8.5	A3-8.5'	5/4/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
A3	8.5	A3-8.5'	5/4/2016	76-13-1	Freon 113	ND	µg/kg	5
A3	8.5	A3-8.5'	5/4/2016	N/A	Gasoline Range Organics	ND	µg/kg	0.2
A3	8.5	A3-8.5'	5/4/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
A3	8.5	A3-8.5'	5/4/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
A3	8.5	A3-8.5'	5/4/2016	75-09-2	Methylene chloride	ND	µg/kg	1
A3	8.5	A3-8.5'	5/4/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
A3	8.5	A3-8.5'	5/4/2016	91-20-3	Naphthalene	ND	µg/kg	1
A3	8.5	A3-8.5'	5/4/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
A3	8.5	A3-8.5'	5/4/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
A3	8.5	A3-8.5'	5/4/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
A3	8.5	A3-8.5'	5/4/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
A3	8.5	A3-8.5'	5/4/2016	100-42-5	Styrene	ND	µg/kg	1
A3	8.5	A3-8.5'	5/4/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
A3	8.5	A3-8.5'	5/4/2016	75-65-0	Tert-Butylalcohol (TBA)	ND	µg/kg	50
A3	8.5	A3-8.5'	5/4/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
A3	8.5	A3-8.5'	5/4/2016	127-18-4	Tetrachloroethylene	11.4	µg/kg	1
A3	8.5	A3-8.5'	5/4/2016	108-88-3	Toluene	ND	µg/kg	1
A3	8.5	A3-8.5'	5/4/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
A3	8.5	A3-8.5'	5/4/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
A3	8.5	A3-8.5'	5/4/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
A3	8.5	A3-8.5'	5/4/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
A3	8.5	A3-8.5'	5/4/2016	75-01-4	Vinyl chloride	ND	µg/kg	1
A3	8.5	A3-8.5'	5/4/2016	108-38-3	Xylenes	ND	µg/kg	1
A3	8.5D	A3-8.5D	5/4/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
A3	8.5D	A3-8.5D	5/4/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
A3	8.5D	A3-8.5D	5/4/2016	7440-39-3	Barium, Ba	84.5	mg/kg	0.5
A3	8.5D	A3-8.5D	5/4/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
A3	8.5D	A3-8.5D	5/4/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
A3	8.5D	A3-8.5D	5/4/2016	7440-48-4	Cobalt, Co	3.7	mg/kg	0.5
A3	8.5D	A3-8.5D	5/4/2016	7440-47-3	Chromium, Cr	11.5	mg/kg	0.5
A3	8.5D	A3-8.5D	5/4/2016	7440-50-8	Copper, Cu	7.5	mg/kg	0.5
A3	8.5D	A3-8.5D	5/4/2016	7439-98-7	Molybdenum, Mo	2.7	mg/kg	0.5
A3	8.5D	A3-8.5D	5/4/2016	7440-02-0	Nickel, Ni	2.4	mg/kg	0.5
A3	8.5D	A3-8.5D	5/4/2016	7439-92-1	Lead, Pb	ND	mg/kg	0.5
A3	8.5D	A3-8.5D	5/4/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
A3	8.5D	A3-8.5D	5/4/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
A3	8.5D	A3-8.5D	5/4/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
A3	8.5D	A3-8.5D	5/4/2016	7440-62-2	Vanadium, V	16.8	mg/kg	0.5
A3	8.5D	A3-8.5D	5/4/2016	7440-66-6	Zinc, Zn	43.9	mg/kg	0.5
A3	8.5D	A3-8.5'-D	5/4/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
A3	8.5D	A3-8.5'-D	5/4/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
A3	8.5D	A3-8.5'-D	5/4/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
A3	8.5D	A3-8.5'-D	5/4/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
A3	8.5D	A3-8.5'-D	5/4/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
A3	8.5D	A3-8.5'-D	5/4/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
A3	8.5D	A3-8.5'-D	5/4/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
A3	8.5D	A3-8.5'-D	5/4/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
A3	8.5D	A3-8.5'-D	5/4/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
A3	8.5D	A3-8.5'-D	5/4/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
A3	8.5D	A3-8.5'-D	5/4/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
A3	8.5D	A3-8.5'-D	5/4/2016	96-12-8	1,2-Dibromo-3-chloropropane	ND	µg/kg	1
A3	8.5D	A3-8.5'-D	5/4/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
A3	8.5D	A3-8.5'-D	5/4/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
A3	8.5D	A3-8.5'-D	5/4/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
A3	8.5D	A3-8.5'-D	5/4/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
A3	8.5D	A3-8.5'-D	5/4/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
A3	8.5D	A3-8.5'-D	5/4/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
A3	8.5D	A3-8.5'-D	5/4/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
A3	8.5D	A3-8.5'-D	5/4/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
A3	8.5D	A3-8.5'-D	5/4/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
A3	8.5D	A3-8.5'-D	5/4/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
A3	8.5D	A3-8.5'-D	5/4/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
A3	8.5D	A3-8.5'-D	5/4/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
A3	8.5D	A3-8.5'-D	5/4/2016	71-43-2	Benzene	ND	µg/kg	1
A3	8.5D	A3-8.5'-D	5/4/2016	108-86-1	Bromobenzene	ND	µg/kg	1
A3	8.5D	A3-8.5'-D	5/4/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
A3	8.5D	A3-8.5'-D	5/4/2016	75-25-2	Bromoform	ND	µg/kg	1
A3	8.5D	A3-8.5'-D	5/4/2016	56-23-5	Carbon tetrachloride	ND	µg/kg	1
A3	8.5D	A3-8.5'-D	5/4/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
A3	8.5D	A3-8.5'-D	5/4/2016	67-66-3	Chloroform	ND	µg/kg	1
A3	8.5D	A3-8.5'-D	5/4/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
A3	8.5D	A3-8.5'-D	5/4/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
A3	8.5D	A3-8.5'-D	5/4/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
A3	8.5D	A3-8.5'-D	5/4/2016	74-95-3	Dibromomethane	ND	µg/kg	1
A3	8.5D	A3-8.5'-D	5/4/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
A3	8.5D	A3-8.5'-D	5/4/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
A3	8.5D	A3-8.5'-D	5/4/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
A3	8.5D	A3-8.5'-D	5/4/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
A3	8.5D	A3-8.5'-D	5/4/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
A3	8.5D	A3-8.5'-D	5/4/2016	76-13-1	Freon 113	ND	µg/kg	5
A3	8.5D	A3-8.5'-D	5/4/2016	N/A	Gasoline Range Organics	ND	µg/kg	0.2
A3	8.5D	A3-8.5'-D	5/4/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
A3	8.5D	A3-8.5'-D	5/4/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
A3	8.5D	A3-8.5'-D	5/4/2016	75-09-2	Methylene chloride	ND	µg/kg	1
A3	8.5D	A3-8.5'-D	5/4/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
A3	8.5D	A3-8.5'-D	5/4/2016	91-20-3	Naphthalene	ND	µg/kg	1
A3	8.5D	A3-8.5'-D	5/4/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
A3	8.5D	A3-8.5'-D	5/4/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
A3	8.5D	A3-8.5'-D	5/4/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
A3	8.5D	A3-8.5'-D	5/4/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
A3	8.5D	A3-8.5'-D	5/4/2016	100-42-5	Styrene	ND	µg/kg	1
A3	8.5D	A3-8.5'-D	5/4/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
A3	8.5D	A3-8.5'-D	5/4/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
A3	8.5D	A3-8.5'-D	5/4/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
A3	8.5D	A3-8.5'-D	5/4/2016	127-18-4	Tetrachloroethylene	6.6	µg/kg	1
A3	8.5D	A3-8.5'-D	5/4/2016	108-88-3	Toluene	ND	µg/kg	1
A3	8.5D	A3-8.5'-D	5/4/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
A3	8.5D	A3-8.5'-D	5/4/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
A3	8.5D	A3-8.5'-D	5/4/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
A3	8.5D	A3-8.5'-D	5/4/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
A3	8.5D	A3-8.5'-D	5/4/2016	75-01-4	Vinyl chloride	ND	µg/kg	1
A3	8.5D	A3-8.5'-D	5/4/2016	108-38-3	Xylenes	ND	µg/kg	1
A4	1	A4-1'	5/4/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
A4	1	A4-1'	5/4/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
A4	1	A4-1'	5/4/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
A4	1	A4-1'	5/4/2016	7440-39-3	Barium, Ba	109	mg/kg	0.5
A4	1	A4-1'	5/4/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
A4	1	A4-1'	5/4/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
A4	1	A4-1'	5/4/2016	7440-48-4	Cobalt, Co	6.9	mg/kg	0.5
A4	1	A4-1'	5/4/2016	7440-47-3	Chromium, Cr	5.2	mg/kg	0.5
A4	1	A4-1'	5/4/2016	7440-50-8	Copper, Cu	509	mg/kg	5
A4	1	A4-1'	5/4/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
A4	1	A4-1'	5/4/2016	7440-02-0	Nickel, Ni	6.1	mg/kg	0.5
A4	1	A4-1'	5/4/2016	7439-92-1	Lead, Pb	14.8	mg/kg	0.5
A4	1	A4-1'	5/4/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
A4	1	A4-1'	5/4/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
A4	1	A4-1'	5/4/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
A4	1	A4-1'	5/4/2016	7440-62-2	Vanadium, V	38.2	mg/kg	0.5
A4	1	A4-1'	5/4/2016	7440-66-6	Zinc, Zn	108	mg/kg	0.5
A4	1	A4-1'	5/4/2016	7439-97-6	Mercury, Hg	0.13	mg/kg	0.02
A4	1	A4-1'	5/4/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
A4	1	A4-1'	5/4/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
A4	1	A4-1'	5/4/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
A4	1	A4-1'	5/4/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
A4	1	A4-1'	5/4/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
A4	1	A4-1'	5/4/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
A4	1	A4-1'	5/4/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
A4	1	A4-1'	5/4/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
A4	1	A4-1'	5/4/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
A4	1	A4-1'	5/4/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
A4	1	A4-1'	5/4/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
A4	1	A4-1'	5/4/2016	96-12-8	1,2-Dibromo-3-chloropropane	ND	µg/kg	1
A4	1	A4-1'	5/4/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
A4	1	A4-1'	5/4/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
A4	1	A4-1'	5/4/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
A4	1	A4-1'	5/4/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
A4	1	A4-1'	5/4/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
A4	1	A4-1'	5/4/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
A4	1	A4-1'	5/4/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
A4	1	A4-1'	5/4/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
A4	1	A4-1'	5/4/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
A4	1	A4-1'	5/4/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
A4	1	A4-1'	5/4/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
A4	1	A4-1'	5/4/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
A4	1	A4-1'	5/4/2016	71-43-2	Benzene	ND	µg/kg	1
A4	1	A4-1'	5/4/2016	108-86-1	Bromobenzene	ND	µg/kg	1
A4	1	A4-1'	5/4/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
A4	1	A4-1'	5/4/2016	75-25-2	Bromoform	ND	µg/kg	1
A4	1	A4-1'	5/4/2016	56-23-5	Carbon tetrachloride	ND	µg/kg	1
A4	1	A4-1'	5/4/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
A4	1	A4-1'	5/4/2016	67-66-3	Chloroform	ND	µg/kg	1
A4	1	A4-1'	5/4/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
A4	1	A4-1'	5/4/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
A4	1	A4-1'	5/4/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
A4	1	A4-1'	5/4/2016	74-95-3	Dibromomethane	ND	µg/kg	1
A4	1	A4-1'	5/4/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
A4	1	A4-1'	5/4/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
A4	1	A4-1'	5/4/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
A4	1	A4-1'	5/4/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
A4	1	A4-1'	5/4/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
A4	1	A4-1'	5/4/2016	76-13-1	Freon 113	ND	µg/kg	5
A4	1	A4-1'	5/4/2016	N/A	Gasoline Range Organics	ND	µg/kg	0.2
A4	1	A4-1'	5/4/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
A4	1	A4-1'	5/4/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
A4	1	A4-1'	5/4/2016	75-09-2	Methylene chloride	ND	µg/kg	1
A4	1	A4-1'	5/4/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
A4	1	A4-1'	5/4/2016	91-20-3	Naphthalene	ND	µg/kg	1
A4	1	A4-1'	5/4/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
A4	1	A4-1'	5/4/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
A4	1	A4-1'	5/4/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
A4	1	A4-1'	5/4/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
A4	1	A4-1'	5/4/2016	100-42-5	Styrene	ND	µg/kg	1
A4	1	A4-1'	5/4/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
A4	1	A4-1'	5/4/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
A4	1	A4-1'	5/4/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
A4	1	A4-1'	5/4/2016	127-18-4	Tetrachloroethylene	2540	µg/kg	1
A4	1	A4-1'	5/4/2016	108-88-3	Toluene	ND	µg/kg	1
A4	1	A4-1'	5/4/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
A4	1	A4-1'	5/4/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
A4	1	A4-1'	5/4/2016	79-01-6	Trichloroethylene	11.5	µg/kg	1
A4	1	A4-1'	5/4/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
A4	1	A4-1'	5/4/2016	75-01-4	Vinyl chloride	ND	µg/kg	1
A4	1	A4-1'	5/4/2016	108-38-3	Xylenes	ND	µg/kg	1
A4	4.5	A4-4.5'	5/4/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
A4	4.5	A4-4.5'	5/4/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
A4	4.5	A4-4.5'	5/4/2016	7440-39-3	Barium, Ba	97.4	mg/kg	0.5
A4	4.5	A4-4.5'	5/4/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
A4	4.5	A4-4.5'	5/4/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
A4	4.5	A4-4.5'	5/4/2016	7440-48-4	Cobalt, Co	8.6	mg/kg	0.5
A4	4.5	A4-4.5'	5/4/2016	7440-47-3	Chromium, Cr	16.4	mg/kg	0.5
A4	4.5	A4-4.5'	5/4/2016	7440-50-8	Copper, Cu	20.3	mg/kg	0.5

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
A4	4.5	A4-4.5'	5/4/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
A4	4.5	A4-4.5'	5/4/2016	7440-02-0	Nickel, Ni	11.3	mg/kg	0.5
A4	4.5	A4-4.5'	5/4/2016	7439-92-1	Lead, Pb	0.8	mg/kg	0.5
A4	4.5	A4-4.5'	5/4/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
A4	4.5	A4-4.5'	5/4/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
A4	4.5	A4-4.5'	5/4/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
A4	4.5	A4-4.5'	5/4/2016	7440-62-2	Vanadium, V	37	mg/kg	0.5
A4	4.5	A4-4.5'	5/4/2016	7440-66-6	Zinc, Zn	39.7	mg/kg	0.5
A4	4.5	A4-4.5'	5/4/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
A4	4.5	A4-4.5'	5/4/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
A4	4.5	A4-4.5'	5/4/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
A4	4.5	A4-4.5'	5/4/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
A4	4.5	A4-4.5'	5/4/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
A4	4.5	A4-4.5'	5/4/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
A4	4.5	A4-4.5'	5/4/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
A4	4.5	A4-4.5'	5/4/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
A4	4.5	A4-4.5'	5/4/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
A4	4.5	A4-4.5'	5/4/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
A4	4.5	A4-4.5'	5/4/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
A4	4.5	A4-4.5'	5/4/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
A4	4.5	A4-4.5'	5/4/2016	96-12-8	1,2-Dibromo-3-chloropropane	ND	µg/kg	1
A4	4.5	A4-4.5'	5/4/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
A4	4.5	A4-4.5'	5/4/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
A4	4.5	A4-4.5'	5/4/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
A4	4.5	A4-4.5'	5/4/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
A4	4.5	A4-4.5'	5/4/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
A4	4.5	A4-4.5'	5/4/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
A4	4.5	A4-4.5'	5/4/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
A4	4.5	A4-4.5'	5/4/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
A4	4.5	A4-4.5'	5/4/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
A4	4.5	A4-4.5'	5/4/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
A4	4.5	A4-4.5'	5/4/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
A4	4.5	A4-4.5'	5/4/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
A4	4.5	A4-4.5'	5/4/2016	71-43-2	Benzene	ND	µg/kg	1
A4	4.5	A4-4.5'	5/4/2016	108-86-1	Bromobenzene	ND	µg/kg	1
A4	4.5	A4-4.5'	5/4/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
A4	4.5	A4-4.5'	5/4/2016	75-25-2	Bromoform	ND	µg/kg	1
A4	4.5	A4-4.5'	5/4/2016	56-23-5	Carbon tetrachloride	ND	µg/kg	1
A4	4.5	A4-4.5'	5/4/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
A4	4.5	A4-4.5'	5/4/2016	67-66-3	Chloroform	ND	µg/kg	1
A4	4.5	A4-4.5'	5/4/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
A4	4.5	A4-4.5'	5/4/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
A4	4.5	A4-4.5'	5/4/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
A4	4.5	A4-4.5'	5/4/2016	74-95-3	Dibromomethane	ND	µg/kg	1
A4	4.5	A4-4.5'	5/4/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
A4	4.5	A4-4.5'	5/4/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
A4	4.5	A4-4.5'	5/4/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
A4	4.5	A4-4.5'	5/4/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
A4	4.5	A4-4.5'	5/4/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
A4	4.5	A4-4.5'	5/4/2016	76-13-1	Freon 113	ND	µg/kg	5
A4	4.5	A4-4.5'	5/4/2016	N/A	Gasoline Range Organics	ND	µg/kg	0.2
A4	4.5	A4-4.5'	5/4/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
A4	4.5	A4-4.5'	5/4/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
A4	4.5	A4-4.5'	5/4/2016	75-09-2	Methylene chloride	ND	µg/kg	1
A4	4.5	A4-4.5'	5/4/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
A4	4.5	A4-4.5'	5/4/2016	91-20-3	Naphthalene	ND	µg/kg	1
A4	4.5	A4-4.5'	5/4/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
A4	4.5	A4-4.5'	5/4/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
A4	4.5	A4-4.5'	5/4/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
A4	4.5	A4-4.5'	5/4/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
A4	4.5	A4-4.5'	5/4/2016	100-42-5	Styrene	ND	µg/kg	1
A4	4.5	A4-4.5'	5/4/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
A4	4.5	A4-4.5'	5/4/2016	75-65-0	Tert-Butylalcohol (TBA)	ND	µg/kg	50
A4	4.5	A4-4.5'	5/4/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
A4	4.5	A4-4.5'	5/4/2016	127-18-4	Tetrachloroethylene	46.9	µg/kg	1
A4	4.5	A4-4.5'	5/4/2016	108-88-3	Toluene	ND	µg/kg	1
A4	4.5	A4-4.5'	5/4/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
A4	4.5	A4-4.5'	5/4/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
A4	4.5	A4-4.5'	5/4/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
A4	4.5	A4-4.5'	5/4/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
A4	4.5	A4-4.5'	5/4/2016	75-01-4	Vinyl chloride	ND	µg/kg	1
A4	4.5	A4-4.5'	5/4/2016	108-38-3	Xylenes	ND	µg/kg	1
A4	8.5	A4-8.5'	5/4/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
A4	8.5	A4-8.5'	5/4/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
A4	8.5	A4-8.5'	5/4/2016	7440-39-3	Barium, Ba	88.5	mg/kg	0.5
A4	8.5	A4-8.5'	5/4/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
A4	8.5	A4-8.5'	5/4/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
A4	8.5	A4-8.5'	5/4/2016	7440-48-4	Cobalt, Co	6.3	mg/kg	0.5
A4	8.5	A4-8.5'	5/4/2016	7440-47-3	Chromium, Cr	13.9	mg/kg	0.5
A4	8.5	A4-8.5'	5/4/2016	7440-50-8	Copper, Cu	16.1	mg/kg	0.5
A4	8.5	A4-8.5'	5/4/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
A4	8.5	A4-8.5'	5/4/2016	7440-02-0	Nickel, Ni	7.6	mg/kg	0.5
A4	8.5	A4-8.5'	5/4/2016	7439-92-1	Lead, Pb	0.8	mg/kg	0.5
A4	8.5	A4-8.5'	5/4/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
A4	8.5	A4-8.5'	5/4/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
A4	8.5	A4-8.5'	5/4/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
A4	8.5	A4-8.5'	5/4/2016	7440-62-2	Vanadium, V	31.8	mg/kg	0.5
A4	8.5	A4-8.5'	5/4/2016	7440-66-6	Zinc, Zn	307	mg/kg	0.5
A4	8.5	A4-8.5'	5/4/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
A4	8.5	A4-8.5'	5/4/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
A4	8.5	A4-8.5'	5/4/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
A4	8.5	A4-8.5'	5/4/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
A4	8.5	A4-8.5'	5/4/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
A4	8.5	A4-8.5'	5/4/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
A4	8.5	A4-8.5'	5/4/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
A4	8.5	A4-8.5'	5/4/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
A4	8.5	A4-8.5'	5/4/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
A4	8.5	A4-8.5'	5/4/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
A4	8.5	A4-8.5'	5/4/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
A4	8.5	A4-8.5'	5/4/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
A4	8.5	A4-8.5'	5/4/2016	96-12-8	1,2-Dibromo-3-chloropropane	ND	µg/kg	1
A4	8.5	A4-8.5'	5/4/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
A4	8.5	A4-8.5'	5/4/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
A4	8.5	A4-8.5'	5/4/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
A4	8.5	A4-8.5'	5/4/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
A4	8.5	A4-8.5'	5/4/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
A4	8.5	A4-8.5'	5/4/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
A4	8.5	A4-8.5'	5/4/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
A4	8.5	A4-8.5'	5/4/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
A4	8.5	A4-8.5'	5/4/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
A4	8.5	A4-8.5'	5/4/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
A4	8.5	A4-8.5'	5/4/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
A4	8.5	A4-8.5'	5/4/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
A4	8.5	A4-8.5'	5/4/2016	71-43-2	Benzene	ND	µg/kg	1
A4	8.5	A4-8.5'	5/4/2016	108-86-1	Bromobenzene	ND	µg/kg	1
A4	8.5	A4-8.5'	5/4/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
A4	8.5	A4-8.5'	5/4/2016	75-25-2	Bromoform	ND	µg/kg	1
A4	8.5	A4-8.5'	5/4/2016	56-23-5	Carbon tetrachloride	ND	µg/kg	1
A4	8.5	A4-8.5'	5/4/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
A4	8.5	A4-8.5'	5/4/2016	67-66-3	Chloroform	ND	µg/kg	1
A4	8.5	A4-8.5'	5/4/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
A4	8.5	A4-8.5'	5/4/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
A4	8.5	A4-8.5'	5/4/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
A4	8.5	A4-8.5'	5/4/2016	74-95-3	Dibromomethane	ND	µg/kg	1
A4	8.5	A4-8.5'	5/4/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
A4	8.5	A4-8.5'	5/4/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
A4	8.5	A4-8.5'	5/4/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
A4	8.5	A4-8.5'	5/4/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
A4	8.5	A4-8.5'	5/4/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
A4	8.5	A4-8.5'	5/4/2016	76-13-1	Freon 113	ND	µg/kg	5
A4	8.5	A4-8.5'	5/4/2016	N/A	Gasoline Range Organics	ND	µg/kg	0.2
A4	8.5	A4-8.5'	5/4/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
A4	8.5	A4-8.5'	5/4/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
A4	8.5	A4-8.5'	5/4/2016	75-09-2	Methylene chloride	ND	µg/kg	1
A4	8.5	A4-8.5'	5/4/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
A4	8.5	A4-8.5'	5/4/2016	91-20-3	Naphthalene	ND	µg/kg	1
A4	8.5	A4-8.5'	5/4/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
A4	8.5	A4-8.5'	5/4/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
A4	8.5	A4-8.5'	5/4/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
A4	8.5	A4-8.5'	5/4/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
A4	8.5	A4-8.5'	5/4/2016	100-42-5	Styrene	ND	µg/kg	1
A4	8.5	A4-8.5'	5/4/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
A4	8.5	A4-8.5'	5/4/2016	75-65-0	Tert-Butylalcohol (TBA)	ND	µg/kg	50
A4	8.5	A4-8.5'	5/4/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
A4	8.5	A4-8.5'	5/4/2016	127-18-4	Tetrachloroethylene	118	µg/kg	1
A4	8.5	A4-8.5'	5/4/2016	108-88-3	Toluene	ND	µg/kg	1
A4	8.5	A4-8.5'	5/4/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
A4	8.5	A4-8.5'	5/4/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
A4	8.5	A4-8.5'	5/4/2016	79-01-6	Trichloroethylene	2.7	µg/kg	1
A4	8.5	A4-8.5'	5/4/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
A4	8.5	A4-8.5'	5/4/2016	75-01-4	Vinyl chloride	ND	µg/kg	1
A4	8.5	A4-8.5'	5/4/2016	108-38-3	Xylenes	ND	µg/kg	1
A5	1.25	A5-1.25'	5/4/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
A5	1.25	A5-1.25'	5/4/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
A5	1.25	A5-1.25'	5/4/2016	7440-39-3	Barium, Ba	181	mg/kg	0.5
A5	1.25	A5-1.25'	5/4/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
A5	1.25	A5-1.25'	5/4/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
A5	1.25	A5-1.25'	5/4/2016	7440-48-4	Cobalt, Co	16.5	mg/kg	0.5
A5	1.25	A5-1.25'	5/4/2016	7440-47-3	Chromium, Cr	29	mg/kg	0.5
A5	1.25	A5-1.25'	5/4/2016	7440-50-8	Copper, Cu	30.8	mg/kg	0.5
A5	1.25	A5-1.25'	5/4/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
A5	1.25	A5-1.25'	5/4/2016	7440-02-0	Nickel, Ni	19.7	mg/kg	0.5
A5	1.25	A5-1.25'	5/4/2016	7439-92-1	Lead, Pb	2.8	mg/kg	0.5
A5	1.25	A5-1.25'	5/4/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
A5	1.25	A5-1.25'	5/4/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
A5	1.25	A5-1.25'	5/4/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
A5	1.25	A5-1.25'	5/4/2016	7440-62-2	Vanadium, V	67.8	mg/kg	0.5
A5	1.25	A5-1.25'	5/4/2016	7440-66-6	Zinc, Zn	68.5	mg/kg	0.5
A5	1.25	A5-1.25'	5/4/2016	7439-97-6	Mercury, Hg	0.024	mg/kg	0.02
A5	1.25	A5-1.25'	5/4/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
A5	1.25	A5-1.25'	5/4/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
A5	1.25	A5-1.25'	5/4/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
A5	1.25	A5-1.25'	5/4/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
A5	1.25	A5-1.25'	5/4/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
A5	1.25	A5-1.25'	5/4/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
A5	1.25	A5-1.25'	5/4/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
A5	1.25	A5-1.25'	5/4/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
A5	1.25	A5-1.25'	5/4/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
A5	1.25	A5-1.25'	5/4/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
A5	1.25	A5-1.25'	5/4/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
A5	1.25	A5-1.25'	5/4/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
A5	1.25	A5-1.25'	5/4/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
A5	1.25	A5-1.25'	5/4/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
A5	1.25	A5-1.25'	5/4/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
A5	1.25	A5-1.25'	5/4/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
A5	1.25	A5-1.25'	5/4/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
A5	1.25	A5-1.25'	5/4/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
A5	1.25	A5-1.25'	5/4/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
A5	1.25	A5-1.25'	5/4/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
A5	1.25	A5-1.25'	5/4/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
A5	1.25	A5-1.25'	5/4/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
A5	1.25	A5-1.25'	5/4/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
A5	1.25	A5-1.25'	5/4/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
A5	1.25	A5-1.25'	5/4/2016	71-43-2	Benzene	ND	µg/kg	1
A5	1.25	A5-1.25'	5/4/2016	108-86-1	Bromobenzene	ND	µg/kg	1
A5	1.25	A5-1.25'	5/4/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
A5	1.25	A5-1.25'	5/4/2016	75-25-2	Bromoform	ND	µg/kg	1
A5	1.25	A5-1.25'	5/4/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
A5	1.25	A5-1.25'	5/4/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
A5	1.25	A5-1.25'	5/4/2016	67-66-3	Chloroform	ND	µg/kg	1
A5	1.25	A5-1.25'	5/4/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
A5	1.25	A5-1.25'	5/4/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
A5	1.25	A5-1.25'	5/4/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
A5	1.25	A5-1.25'	5/4/2016	74-95-3	Dibromomethane	ND	µg/kg	1
A5	1.25	A5-1.25'	5/4/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
A5	1.25	A5-1.25'	5/4/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
A5	1.25	A5-1.25'	5/4/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
A5	1.25	A5-1.25'	5/4/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
A5	1.25	A5-1.25'	5/4/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
A5	1.25	A5-1.25'	5/4/2016	76-13-1	Freon 113	ND	µg/kg	5
A5	1.25	A5-1.25'	5/4/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
A5	1.25	A5-1.25'	5/4/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
A5	1.25	A5-1.25'	5/4/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
A5	1.25	A5-1.25'	5/4/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
A5	1.25	A5-1.25'	5/4/2016	91-20-3	Naphthalene	ND	µg/kg	1
A5	1.25	A5-1.25'	5/4/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
A5	1.25	A5-1.25'	5/4/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
A5	1.25	A5-1.25'	5/4/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
A5	1.25	A5-1.25'	5/4/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
A5	1.25	A5-1.25'	5/4/2016	100-42-5	Styrene	ND	µg/kg	1
A5	1.25	A5-1.25'	5/4/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
A5	1.25	A5-1.25'	5/4/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
A5	1.25	A5-1.25'	5/4/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
A5	1.25	A5-1.25'	5/4/2016	127-18-4	Tetrachloroethylene	810	µg/kg	10
A5	1.25	A5-1.25'	5/4/2016	108-88-3	Toluene	ND	µg/kg	1
A5	1.25	A5-1.25'	5/4/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
A5	1.25	A5-1.25'	5/4/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
A5	1.25	A5-1.25'	5/4/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
A5	1.25	A5-1.25'	5/4/2016	79-01-6	Trichloroethylene	2.8	µg/kg	1
A5	1.25	A5-1.25'	5/4/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
A5	1.25	A5-1.25'	5/4/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
A5	1.25	A5-1.25'	5/4/2016	108-38-3	Xylenes	ND	µg/kg	1
A5	4.5	A5-4.5'	5/4/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
A5	4.5	A5-4.5'	5/4/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
A5	4.5	A5-4.5'	5/4/2016	7440-39-3	Barium, Ba	114	mg/kg	0.5
A5	4.5	A5-4.5'	5/4/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
A5	4.5	A5-4.5'	5/4/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
A5	4.5	A5-4.5'	5/4/2016	7440-48-4	Cobalt, Co	10.4	mg/kg	0.5
A5	4.5	A5-4.5'	5/4/2016	7440-47-3	Chromium, Cr	21.3	mg/kg	0.5
A5	4.5	A5-4.5'	5/4/2016	7440-50-8	Copper, Cu	19.5	mg/kg	0.5
A5	4.5	A5-4.5'	5/4/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
A5	4.5	A5-4.5'	5/4/2016	7440-02-0	Nickel, Ni	12.6	mg/kg	0.5
A5	4.5	A5-4.5'	5/4/2016	7439-92-1	Lead, Pb	1.5	mg/kg	0.5
A5	4.5	A5-4.5'	5/4/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
A5	4.5	A5-4.5'	5/4/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
A5	4.5	A5-4.5'	5/4/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
A5	4.5	A5-4.5'	5/4/2016	7440-62-2	Vanadium, V	49.9	mg/kg	0.5
A5	4.5	A5-4.5'	5/4/2016	7440-66-6	Zinc, Zn	47.8	mg/kg	0.5
A5	4.5	A5-4.5'	5/4/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
A5	4.5	A5-4.5'	5/4/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
A5	4.5	A5-4.5'	5/4/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
A5	4.5	A5-4.5'	5/4/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
A5	4.5	A5-4.5'	5/4/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
A5	4.5	A5-4.5'	5/4/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
A5	4.5	A5-4.5'	5/4/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
A5	4.5	A5-4.5'	5/4/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
A5	4.5	A5-4.5'	5/4/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
A5	4.5	A5-4.5'	5/4/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
A5	4.5	A5-4.5'	5/4/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
A5	4.5	A5-4.5'	5/4/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
A5	4.5	A5-4.5'	5/4/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
A5	4.5	A5-4.5'	5/4/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
A5	4.5	A5-4.5'	5/4/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
A5	4.5	A5-4.5'	5/4/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
A5	4.5	A5-4.5'	5/4/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
A5	4.5	A5-4.5'	5/4/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
A5	4.5	A5-4.5'	5/4/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
A5	4.5	A5-4.5'	5/4/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
A5	4.5	A5-4.5'	5/4/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
A5	4.5	A5-4.5'	5/4/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
A5	4.5	A5-4.5'	5/4/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
A5	4.5	A5-4.5'	5/4/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
A5	4.5	A5-4.5'	5/4/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
A5	4.5	A5-4.5'	5/4/2016	71-43-2	Benzene	ND	µg/kg	1
A5	4.5	A5-4.5'	5/4/2016	108-86-1	Bromobenzene	ND	µg/kg	1
A5	4.5	A5-4.5'	5/4/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
A5	4.5	A5-4.5'	5/4/2016	75-25-2	Bromoform	ND	µg/kg	1
A5	4.5	A5-4.5'	5/4/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
A5	4.5	A5-4.5'	5/4/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
A5	4.5	A5-4.5'	5/4/2016	67-66-3	Chloroform	ND	µg/kg	1
A5	4.5	A5-4.5'	5/4/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
A5	4.5	A5-4.5'	5/4/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
A5	4.5	A5-4.5'	5/4/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
A5	4.5	A5-4.5'	5/4/2016	74-95-3	Dibromomethane	ND	µg/kg	1
A5	4.5	A5-4.5'	5/4/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
A5	4.5	A5-4.5'	5/4/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
A5	4.5	A5-4.5'	5/4/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
A5	4.5	A5-4.5'	5/4/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
A5	4.5	A5-4.5'	5/4/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
A5	4.5	A5-4.5'	5/4/2016	76-13-1	Freon 113	ND	µg/kg	5
A5	4.5	A5-4.5'	5/4/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
A5	4.5	A5-4.5'	5/4/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
A5	4.5	A5-4.5'	5/4/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
A5	4.5	A5-4.5'	5/4/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
A5	4.5	A5-4.5'	5/4/2016	91-20-3	Naphthalene	ND	µg/kg	1
A5	4.5	A5-4.5'	5/4/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
A5	4.5	A5-4.5'	5/4/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
A5	4.5	A5-4.5'	5/4/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
A5	4.5	A5-4.5'	5/4/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
A5	4.5	A5-4.5'	5/4/2016	100-42-5	Styrene	ND	µg/kg	1
A5	4.5	A5-4.5'	5/4/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
A5	4.5	A5-4.5'	5/4/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
A5	4.5	A5-4.5'	5/4/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
A5	4.5	A5-4.5'	5/4/2016	127-18-4	Tetrachloroethylene	32.2	µg/kg	1
A5	4.5	A5-4.5'	5/4/2016	108-88-3	Toluene	ND	µg/kg	1
A5	4.5	A5-4.5'	5/4/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
A5	4.5	A5-4.5'	5/4/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
A5	4.5	A5-4.5'	5/4/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
A5	4.5	A5-4.5'	5/4/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
A5	4.5	A5-4.5'	5/4/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
A5	4.5	A5-4.5'	5/4/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
A5	4.5	A5-4.5'	5/4/2016	108-38-3	Xylenes	ND	µg/kg	1
A5B	1	A5B-1'	5/4/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
A5B	1	A5B-1'	5/4/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
A5B	1	A5B-1'	5/4/2016	7440-39-3	Barium, Ba	147	mg/kg	0.5
A5B	1	A5B-1'	5/4/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
A5B	1	A5B-1'	5/4/2016	7440-43-9	Cadmium, Cd	1.2	mg/kg	0.5
A5B	1	A5B-1'	5/4/2016	7440-48-4	Cobalt, Co	9.9	mg/kg	0.5
A5B	1	A5B-1'	5/4/2016	7440-47-3	Chromium, Cr	14.3	mg/kg	0.5
A5B	1	A5B-1'	5/4/2016	7440-50-8	Copper, Cu	124	mg/kg	0.5
A5B	1	A5B-1'	5/4/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
A5B	1	A5B-1'	5/4/2016	7440-02-0	Nickel, Ni	16.1	mg/kg	0.5
A5B	1	A5B-1'	5/4/2016	7439-92-1	Lead, Pb	74.9	mg/kg	0.5
A5B	1	A5B-1'	5/4/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
A5B	1	A5B-1'	5/4/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
A5B	1	A5B-1'	5/4/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
A5B	1	A5B-1'	5/4/2016	7440-62-2	Vanadium, V	46.9	mg/kg	0.5
A5B	1	A5B-1'	5/4/2016	7440-66-6	Zinc, Zn	6040	mg/kg	50
A5B	1	A5B-1'	5/4/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
A5B	1	A5B-1'	5/4/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
A5B	1	A5B-1'	5/4/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
A5B	1	A5B-1'	5/4/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
A5B	1	A5B-1'	5/4/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
A5B	1	A5B-1'	5/4/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
A5B	1	A5B-1'	5/4/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
A5B	1	A5B-1'	5/4/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
A5B	1	A5B-1'	5/4/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
A5B	1	A5B-1'	5/4/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
A5B	1	A5B-1'	5/4/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
A5B	1	A5B-1'	5/4/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
A5B	1	A5B-1'	5/4/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
A5B	1	A5B-1'	5/4/2016	106-93-4	1,2-Dibromomethane (EDB)	ND	µg/kg	1
A5B	1	A5B-1'	5/4/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
A5B	1	A5B-1'	5/4/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
A5B	1	A5B-1'	5/4/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
A5B	1	A5B-1'	5/4/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
A5B	1	A5B-1'	5/4/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
A5B	1	A5B-1'	5/4/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
A5B	1	A5B-1'	5/4/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
A5B	1	A5B-1'	5/4/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
A5B	1	A5B-1'	5/4/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
A5B	1	A5B-1'	5/4/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
A5B	1	A5B-1'	5/4/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
A5B	1	A5B-1'	5/4/2016	71-43-2	Benzene	ND	µg/kg	1
A5B	1	A5B-1'	5/4/2016	108-86-1	Bromobenzene	ND	µg/kg	1
A5B	1	A5B-1'	5/4/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
A5B	1	A5B-1'	5/4/2016	75-25-2	Bromoform	ND	µg/kg	1
A5B	1	A5B-1'	5/4/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
A5B	1	A5B-1'	5/4/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
A5B	1	A5B-1'	5/4/2016	67-66-3	Chloroform	ND	µg/kg	1
A5B	1	A5B-1'	5/4/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
A5B	1	A5B-1'	5/4/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
A5B	1	A5B-1'	5/4/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
A5B	1	A5B-1'	5/4/2016	74-95-3	Dibromomethane	ND	µg/kg	1
A5B	1	A5B-1'	5/4/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
A5B	1	A5B-1'	5/4/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
A5B	1	A5B-1'	5/4/2016	N/A	DRO (C10-C28)	241	µg/kg	10
A5B	1	A5B-1'	5/4/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
A5B	1	A5B-1'	5/4/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
A5B	1	A5B-1'	5/4/2016	76-13-1	Freon 113	ND	µg/kg	5

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
A5B	1	A5B-1'	5/4/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
A5B	1	A5B-1'	5/4/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
A5B	1	A5B-1'	5/4/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
A5B	1	A5B-1'	5/4/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
A5B	1	A5B-1'	5/4/2016	91-20-3	Naphthalene	ND	µg/kg	1
A5B	1	A5B-1'	5/4/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
A5B	1	A5B-1'	5/4/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
A5B	1	A5B-1'	5/4/2016	N/A	ORO (C29-C32)	169	µg/kg	10
A5B	1	A5B-1'	5/4/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
A5B	1	A5B-1'	5/4/2016	100-42-5	Styrene	ND	µg/kg	1
A5B	1	A5B-1'	5/4/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
A5B	1	A5B-1'	5/4/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
A5B	1	A5B-1'	5/4/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
A5B	1	A5B-1'	5/4/2016	127-18-4	Tetrachloroethylene	253	µg/kg	9
A5B	1	A5B-1'	5/4/2016	108-88-3	Toluene	ND	µg/kg	1
A5B	1	A5B-1'	5/4/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
A5B	1	A5B-1'	5/4/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
A5B	1	A5B-1'	5/4/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
A5B	1	A5B-1'	5/4/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
A5B	1	A5B-1'	5/4/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
A5B	1	A5B-1'	5/4/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
A5B	1	A5B-1'	5/4/2016	108-38-3	Xylenes	ND	µg/kg	1
A5B	4.5	A5B-4.5'	5/4/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
A5B	4.5	A5B-4.5'	5/4/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
A5B	4.5	A5B-4.5'	5/4/2016	7440-39-3	Barium, Ba	137	mg/kg	0.5
A5B	4.5	A5B-4.5'	5/4/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
A5B	4.5	A5B-4.5'	5/4/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
A5B	4.5	A5B-4.5'	5/4/2016	7440-48-4	Cobalt, Co	11.9	mg/kg	0.5
A5B	4.5	A5B-4.5'	5/4/2016	7440-47-3	Chromium, Cr	18.3	mg/kg	0.5
A5B	4.5	A5B-4.5'	5/4/2016	7440-50-8	Copper, Cu	18.5	mg/kg	0.5
A5B	4.5	A5B-4.5'	5/4/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
A5B	4.5	A5B-4.5'	5/4/2016	7440-02-0	Nickel, Ni	12	mg/kg	0.5
A5B	4.5	A5B-4.5'	5/4/2016	7439-92-1	Lead, Pb	1.4	mg/kg	0.5
A5B	4.5	A5B-4.5'	5/4/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
A5B	4.5	A5B-4.5'	5/4/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
A5B	4.5	A5B-4.5'	5/4/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
A5B	4.5	A5B-4.5'	5/4/2016	7440-62-2	Vanadium, V	53.1	mg/kg	0.5
A5B	4.5	A5B-4.5'	5/4/2016	7440-66-6	Zinc, Zn	55.9	mg/kg	0.5
A5B	4.5	A5B-4.5'	5/4/2016	7439-97-6	Mercury, Hg	0.059	mg/kg	0.02
A5B	4.5	A5B-4.5'	5/4/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
A5B	4.5	A5B-4.5'	5/4/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
A5B	4.5	A5B-4.5'	5/4/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
A5B	4.5	A5B-4.5'	5/4/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
A5B	4.5	A5B-4.5'	5/4/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
A5B	4.5	A5B-4.5'	5/4/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
A5B	4.5	A5B-4.5'	5/4/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
A5B	4.5	A5B-4.5'	5/4/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
A5B	4.5	A5B-4.5'	5/4/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
A5B	4.5	A5B-4.5'	5/4/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
A5B	4.5	A5B-4.5'	5/4/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
A5B	4.5	A5B-4.5'	5/4/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
A5B	4.5	A5B-4.5'	5/4/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
A5B	4.5	A5B-4.5'	5/4/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
A5B	4.5	A5B-4.5'	5/4/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
A5B	4.5	A5B-4.5'	5/4/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
A5B	4.5	A5B-4.5'	5/4/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
A5B	4.5	A5B-4.5'	5/4/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
A5B	4.5	A5B-4.5'	5/4/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
A5B	4.5	A5B-4.5'	5/4/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
A5B	4.5	A5B-4.5'	5/4/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
A5B	4.5	A5B-4.5'	5/4/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
A5B	4.5	A5B-4.5'	5/4/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
A5B	4.5	A5B-4.5'	5/4/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
A5B	4.5	A5B-4.5'	5/4/2016	71-43-2	Benzene	ND	µg/kg	1
A5B	4.5	A5B-4.5'	5/4/2016	108-86-1	Bromobenzene	ND	µg/kg	1
A5B	4.5	A5B-4.5'	5/4/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
A5B	4.5	A5B-4.5'	5/4/2016	75-25-2	Bromoform	ND	µg/kg	1
A5B	4.5	A5B-4.5'	5/4/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
A5B	4.5	A5B-4.5'	5/4/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
A5B	4.5	A5B-4.5'	5/4/2016	67-66-3	Chloroform	ND	µg/kg	1
A5B	4.5	A5B-4.5'	5/4/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
A5B	4.5	A5B-4.5'	5/4/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
A5B	4.5	A5B-4.5'	5/4/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
A5B	4.5	A5B-4.5'	5/4/2016	74-95-3	Dibromomethane	ND	µg/kg	1

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
A5B	4.5	A5B-4.5'	5/4/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
A5B	4.5	A5B-4.5'	5/4/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
A5B	4.5	A5B-4.5'	5/4/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
A5B	4.5	A5B-4.5'	5/4/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
A5B	4.5	A5B-4.5'	5/4/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
A5B	4.5	A5B-4.5'	5/4/2016	76-13-1	Freon 113	ND	µg/kg	5
A5B	4.5	A5B-4.5'	5/4/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
A5B	4.5	A5B-4.5'	5/4/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
A5B	4.5	A5B-4.5'	5/4/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
A5B	4.5	A5B-4.5'	5/4/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
A5B	4.5	A5B-4.5'	5/4/2016	91-20-3	Naphthalene	ND	µg/kg	1
A5B	4.5	A5B-4.5'	5/4/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
A5B	4.5	A5B-4.5'	5/4/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
A5B	4.5	A5B-4.5'	5/4/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
A5B	4.5	A5B-4.5'	5/4/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
A5B	4.5	A5B-4.5'	5/4/2016	100-42-5	Styrene	ND	µg/kg	1
A5B	4.5	A5B-4.5'	5/4/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
A5B	4.5	A5B-4.5'	5/4/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
A5B	4.5	A5B-4.5'	5/4/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
A5B	4.5	A5B-4.5'	5/4/2016	127-18-4	Tetrachloroethylene	39.8	µg/kg	1
A5B	4.5	A5B-4.5'	5/4/2016	108-88-3	Toluene	ND	µg/kg	1
A5B	4.5	A5B-4.5'	5/4/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
A5B	4.5	A5B-4.5'	5/4/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
A5B	4.5	A5B-4.5'	5/4/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
A5B	4.5	A5B-4.5'	5/4/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
A5B	4.5	A5B-4.5'	5/4/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
A5B	4.5	A5B-4.5'	5/4/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
A5B	4.5	A5B-4.5'	5/4/2016	108-38-3	Xylenes	ND	µg/kg	1
A5B	8.5	A5B-8.5'	5/4/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
A5B	8.5	A5B-8.5'	5/4/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
A5B	8.5	A5B-8.5'	5/4/2016	7440-39-3	Barium, Ba	152	mg/kg	0.5
A5B	8.5	A5B-8.5'	5/4/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
A5B	8.5	A5B-8.5'	5/4/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
A5B	8.5	A5B-8.5'	5/4/2016	7440-48-4	Cobalt, Co	12	mg/kg	0.5
A5B	8.5	A5B-8.5'	5/4/2016	7440-47-3	Chromium, Cr	24.9	mg/kg	0.5
A5B	8.5	A5B-8.5'	5/4/2016	7440-50-8	Copper, Cu	21.8	mg/kg	0.5
A5B	8.5	A5B-8.5'	5/4/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
A5B	8.5	A5B-8.5'	5/4/2016	7440-02-0	Nickel, Ni	14.3	mg/kg	0.5
A5B	8.5	A5B-8.5'	5/4/2016	7439-92-1	Lead, Pb	1.6	mg/kg	0.5
A5B	8.5	A5B-8.5'	5/4/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
A5B	8.5	A5B-8.5'	5/4/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
A5B	8.5	A5B-8.5'	5/4/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
A5B	8.5	A5B-8.5'	5/4/2016	7440-62-2	Vanadium, V	53.8	mg/kg	0.5
A5B	8.5	A5B-8.5'	5/4/2016	7440-66-6	Zinc, Zn	53.1	mg/kg	0.5
A5B	8.5	A5B-8.5'	5/4/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
A5B	8.5	A5B-8.5'	5/4/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
A5B	8.5	A5B-8.5'	5/4/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
A5B	8.5	A5B-8.5'	5/4/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
A5B	8.5	A5B-8.5'	5/4/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
A5B	8.5	A5B-8.5'	5/4/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
A5B	8.5	A5B-8.5'	5/4/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
A5B	8.5	A5B-8.5'	5/4/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
A5B	8.5	A5B-8.5'	5/4/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
A5B	8.5	A5B-8.5'	5/4/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
A5B	8.5	A5B-8.5'	5/4/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
A5B	8.5	A5B-8.5'	5/4/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
A5B	8.5	A5B-8.5'	5/4/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
A5B	8.5	A5B-8.5'	5/4/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
A5B	8.5	A5B-8.5'	5/4/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
A5B	8.5	A5B-8.5'	5/4/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
A5B	8.5	A5B-8.5'	5/4/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
A5B	8.5	A5B-8.5'	5/4/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
A5B	8.5	A5B-8.5'	5/4/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
A5B	8.5	A5B-8.5'	5/4/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
A5B	8.5	A5B-8.5'	5/4/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
A5B	8.5	A5B-8.5'	5/4/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
A5B	8.5	A5B-8.5'	5/4/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
A5B	8.5	A5B-8.5'	5/4/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
A5B	8.5	A5B-8.5'	5/4/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
A5B	8.5	A5B-8.5'	5/4/2016	71-43-2	Benzene	ND	µg/kg	1
A5B	8.5	A5B-8.5'	5/4/2016	108-86-1	Bromobenzene	ND	µg/kg	1
A5B	8.5	A5B-8.5'	5/4/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
A5B	8.5	A5B-8.5'	5/4/2016	75-25-2	Bromoform	ND	µg/kg	1
A5B	8.5	A5B-8.5'	5/4/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
A5B	8.5	A5B-8.5'	5/4/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
A5B	8.5	A5B-8.5'	5/4/2016	67-66-3	Chloroform	ND	µg/kg	1
A5B	8.5	A5B-8.5'	5/4/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
A5B	8.5	A5B-8.5'	5/4/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
A5B	8.5	A5B-8.5'	5/4/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
A5B	8.5	A5B-8.5'	5/4/2016	74-95-3	Dibromomethane	ND	µg/kg	1
A5B	8.5	A5B-8.5'	5/4/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
A5B	8.5	A5B-8.5'	5/4/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
A5B	8.5	A5B-8.5'	5/4/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
A5B	8.5	A5B-8.5'	5/4/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
A5B	8.5	A5B-8.5'	5/4/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
A5B	8.5	A5B-8.5'	5/4/2016	76-13-1	Freon 113	ND	µg/kg	5
A5B	8.5	A5B-8.5'	5/4/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
A5B	8.5	A5B-8.5'	5/4/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
A5B	8.5	A5B-8.5'	5/4/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
A5B	8.5	A5B-8.5'	5/4/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
A5B	8.5	A5B-8.5'	5/4/2016	91-20-3	Naphthalene	ND	µg/kg	1
A5B	8.5	A5B-8.5'	5/4/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
A5B	8.5	A5B-8.5'	5/4/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
A5B	8.5	A5B-8.5'	5/4/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
A5B	8.5	A5B-8.5'	5/4/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
A5B	8.5	A5B-8.5'	5/4/2016	100-42-5	Styrene	ND	µg/kg	1
A5B	8.5	A5B-8.5'	5/4/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
A5B	8.5	A5B-8.5'	5/4/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
A5B	8.5	A5B-8.5'	5/4/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
A5B	8.5	A5B-8.5'	5/4/2016	127-18-4	Tetrachloroethylene	16	µg/kg	1
A5B	8.5	A5B-8.5'	5/4/2016	108-88-3	Toluene	ND	µg/kg	1
A5B	8.5	A5B-8.5'	5/4/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
A5B	8.5	A5B-8.5'	5/4/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
A5B	8.5	A5B-8.5'	5/4/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
A5B	8.5	A5B-8.5'	5/4/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
A5B	8.5	A5B-8.5'	5/4/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
A5B	8.5	A5B-8.5'	5/4/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
A5B	8.5	A5B-8.5'	5/4/2016	108-38-3	Xylenes	ND	µg/kg	1
A6	1	A6-1'	5/5/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
A6	1	A6-1'	5/5/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
A6	1	A6-1'	5/5/2016	7440-39-3	Barium, Ba	45.9	mg/kg	0.5
A6	1	A6-1'	5/5/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
A6	1	A6-1'	5/5/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
A6	1	A6-1'	5/5/2016	7440-48-4	Cobalt, Co	13.6	mg/kg	0.5
A6	1	A6-1'	5/5/2016	7440-47-3	Chromium, Cr	22.5	mg/kg	0.5
A6	1	A6-1'	5/5/2016	7440-50-8	Copper, Cu	11.9	mg/kg	0.5
A6	1	A6-1'	5/5/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
A6	1	A6-1'	5/5/2016	7440-02-0	Nickel, Ni	18.4	mg/kg	0.5
A6	1	A6-1'	5/5/2016	7439-92-1	Lead, Pb	1.5	mg/kg	0.5
A6	1	A6-1'	5/5/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
A6	1	A6-1'	5/5/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
A6	1	A6-1'	5/5/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
A6	1	A6-1'	5/5/2016	7440-62-2	Vanadium, V	33.1	mg/kg	0.5
A6	1	A6-1'	5/5/2016	7440-66-6	Zinc, Zn	28.5	mg/kg	0.5
A6	1	A6-1'	5/5/2016	7439-97-6	Mercury, Hg	0.026	mg/kg	0.02
A6	1	A6-1'	5/5/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
A6	1	A6-1'	5/5/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
A6	1	A6-1'	5/5/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
A6	1	A6-1'	5/5/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
A6	1	A6-1'	5/5/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
A6	1	A6-1'	5/5/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
A6	1	A6-1'	5/5/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
A6	1	A6-1'	5/5/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
A6	1	A6-1'	5/5/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
A6	1	A6-1'	5/5/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
A6	1	A6-1'	5/5/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
A6	1	A6-1'	5/5/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
A6	1	A6-1'	5/5/2016	106-93-4	1,2-Dibromomethane (EDB)	ND	µg/kg	1
A6	1	A6-1'	5/5/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
A6	1	A6-1'	5/5/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
A6	1	A6-1'	5/5/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
A6	1	A6-1'	5/5/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
A6	1	A6-1'	5/5/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
A6	1	A6-1'	5/5/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
A6	1	A6-1'	5/5/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
A6	1	A6-1'	5/5/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
A6	1	A6-1'	5/5/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
A6	1	A6-1'	5/5/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
A6	1	A6-1'	5/5/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
A6	1	A6-1'	5/5/2016	71-43-2	Benzene	ND	µg/kg	1
A6	1	A6-1'	5/5/2016	108-86-1	Bromobenzene	ND	µg/kg	1
A6	1	A6-1'	5/5/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
A6	1	A6-1'	5/5/2016	75-25-2	Bromoform	ND	µg/kg	1
A6	1	A6-1'	5/5/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
A6	1	A6-1'	5/5/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
A6	1	A6-1'	5/5/2016	67-66-3	Chloroform	ND	µg/kg	1
A6	1	A6-1'	5/5/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
A6	1	A6-1'	5/5/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
A6	1	A6-1'	5/5/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
A6	1	A6-1'	5/5/2016	74-95-3	Dibromomethane	ND	µg/kg	1
A6	1	A6-1'	5/5/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
A6	1	A6-1'	5/5/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
A6	1	A6-1'	5/5/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
A6	1	A6-1'	5/5/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
A6	1	A6-1'	5/5/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
A6	1	A6-1'	5/5/2016	76-13-1	Freon 113	ND	µg/kg	5
A6	1	A6-1'	5/5/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
A6	1	A6-1'	5/5/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
A6	1	A6-1'	5/5/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
A6	1	A6-1'	5/5/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
A6	1	A6-1'	5/5/2016	91-20-3	Naphthalene	ND	µg/kg	1
A6	1	A6-1'	5/5/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
A6	1	A6-1'	5/5/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
A6	1	A6-1'	5/5/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
A6	1	A6-1'	5/5/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
A6	1	A6-1'	5/5/2016	100-42-5	Styrene	ND	µg/kg	1
A6	1	A6-1'	5/5/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
A6	1	A6-1'	5/5/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
A6	1	A6-1'	5/5/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
A6	1	A6-1'	5/5/2016	127-18-4	Tetrachloroethylene	ND	µg/kg	1
A6	1	A6-1'	5/5/2016	108-88-3	Toluene	ND	µg/kg	1
A6	1	A6-1'	5/5/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
A6	1	A6-1'	5/5/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
A6	1	A6-1'	5/5/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
A6	1	A6-1'	5/5/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
A6	1	A6-1'	5/5/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
A6	1	A6-1'	5/5/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
A6	1	A6-1'	5/5/2016	108-38-3	Xylenes	ND	µg/kg	1
A6	4.5	A6-4.5'	5/5/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
A6	4.5	A6-4.5'	5/5/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
A6	4.5	A6-4.5'	5/5/2016	7440-39-3	Barium, Ba	136	mg/kg	0.5
A6	4.5	A6-4.5'	5/5/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
A6	4.5	A6-4.5'	5/5/2016	7440-43-9	Cadmium, Cd	1.2	mg/kg	0.5
A6	4.5	A6-4.5'	5/5/2016	7440-48-4	Cobalt, Co	19.7	mg/kg	0.5
A6	4.5	A6-4.5'	5/5/2016	7440-47-3	Chromium, Cr	157	mg/kg	0.5
A6	4.5	A6-4.5'	5/5/2016	7440-50-8	Copper, Cu	39	mg/kg	0.5
A6	4.5	A6-4.5'	5/5/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
A6	4.5	A6-4.5'	5/5/2016	7440-02-0	Nickel, Ni	14.9	mg/kg	0.5
A6	4.5	A6-4.5'	5/5/2016	7439-92-1	Lead, Pb	74.5	mg/kg	0.5
A6	4.5	A6-4.5'	5/5/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
A6	4.5	A6-4.5'	5/5/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
A6	4.5	A6-4.5'	5/5/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
A6	4.5	A6-4.5'	5/5/2016	7440-62-2	Vanadium, V	45.7	mg/kg	0.5
A6	4.5	A6-4.5'	5/5/2016	7440-66-6	Zinc, Zn	6260	mg/kg	10
A6	4.5	A6-4.5'	5/5/2016	7439-97-6	Mercury, Hg	0.03	mg/kg	0.02
A6	4.5	A6-4.5'	5/5/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
A6	4.5	A6-4.5'	5/5/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
A6	4.5	A6-4.5'	5/5/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
A6	4.5	A6-4.5'	5/5/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
A6	4.5	A6-4.5'	5/5/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
A6	4.5	A6-4.5'	5/5/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
A6	4.5	A6-4.5'	5/5/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
A6	4.5	A6-4.5'	5/5/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
A6	4.5	A6-4.5'	5/5/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
A6	4.5	A6-4.5'	5/5/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
A6	4.5	A6-4.5'	5/5/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
A6	4.5	A6-4.5'	5/5/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
A6	4.5	A6-4.5'	5/5/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
A6	4.5	A6-4.5'	5/5/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
A6	4.5	A6-4.5'	5/5/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
A6	4.5	A6-4.5'	5/5/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
A6	4.5	A6-4.5'	5/5/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
A6	4.5	A6-4.5'	5/5/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
A6	4.5	A6-4.5'	5/5/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
A6	4.5	A6-4.5'	5/5/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
A6	4.5	A6-4.5'	5/5/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
A6	4.5	A6-4.5'	5/5/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
A6	4.5	A6-4.5'	5/5/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
A6	4.5	A6-4.5'	5/5/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
A6	4.5	A6-4.5'	5/5/2016	71-43-2	Benzene	ND	µg/kg	1
A6	4.5	A6-4.5'	5/5/2016	108-86-1	Bromobenzene	ND	µg/kg	1
A6	4.5	A6-4.5'	5/5/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
A6	4.5	A6-4.5'	5/5/2016	75-25-2	Bromoform	ND	µg/kg	1
A6	4.5	A6-4.5'	5/5/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
A6	4.5	A6-4.5'	5/5/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
A6	4.5	A6-4.5'	5/5/2016	67-66-3	Chloroform	ND	µg/kg	1
A6	4.5	A6-4.5'	5/5/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
A6	4.5	A6-4.5'	5/5/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
A6	4.5	A6-4.5'	5/5/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
A6	4.5	A6-4.5'	5/5/2016	74-95-3	Dibromomethane	ND	µg/kg	1
A6	4.5	A6-4.5'	5/5/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
A6	4.5	A6-4.5'	5/5/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
A6	4.5	A6-4.5'	5/5/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
A6	4.5	A6-4.5'	5/5/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
A6	4.5	A6-4.5'	5/5/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
A6	4.5	A6-4.5'	5/5/2016	76-13-1	Freon 113	ND	µg/kg	5
A6	4.5	A6-4.5'	5/5/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
A6	4.5	A6-4.5'	5/5/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
A6	4.5	A6-4.5'	5/5/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
A6	4.5	A6-4.5'	5/5/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
A6	4.5	A6-4.5'	5/5/2016	91-20-3	Naphthalene	ND	µg/kg	1
A6	4.5	A6-4.5'	5/5/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
A6	4.5	A6-4.5'	5/5/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
A6	4.5	A6-4.5'	5/5/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
A6	4.5	A6-4.5'	5/5/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
A6	4.5	A6-4.5'	5/5/2016	100-42-5	Styrene	ND	µg/kg	1
A6	4.5	A6-4.5'	5/5/2016	75-65-0	Tert-Butylalcohol (TBA)	ND	µg/kg	50
A6	4.5	A6-4.5'	5/5/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
A6	4.5	A6-4.5'	5/5/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
A6	4.5	A6-4.5'	5/5/2016	127-18-4	Tetrachloroethylene	13.7	µg/kg	1
A6	4.5	A6-4.5'	5/5/2016	108-88-3	Toluene	ND	µg/kg	1
A6	4.5	A6-4.5'	5/5/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
A6	4.5	A6-4.5'	5/5/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
A6	4.5	A6-4.5'	5/5/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
A6	4.5	A6-4.5'	5/5/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
A6	4.5	A6-4.5'	5/5/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
A6	4.5	A6-4.5'	5/5/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
A6	4.5	A6-4.5'	5/5/2016	108-38-3	Xylenes	ND	µg/kg	1
A6	8.5	A6-8.5'	5/5/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
A6	8.5	A6-8.5'	5/5/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
A6	8.5	A6-8.5'	5/5/2016	7440-39-3	Barium, Ba	166	mg/kg	0.5
A6	8.5	A6-8.5'	5/5/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
A6	8.5	A6-8.5'	5/5/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
A6	8.5	A6-8.5'	5/5/2016	7440-48-4	Cobalt, Co	20.1	mg/kg	0.5
A6	8.5	A6-8.5'	5/5/2016	7440-47-3	Chromium, Cr	73.4	mg/kg	0.5
A6	8.5	A6-8.5'	5/5/2016	7440-50-8	Copper, Cu	100	mg/kg	0.5
A6	8.5	A6-8.5'	5/5/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
A6	8.5	A6-8.5'	5/5/2016	7440-02-0	Nickel, Ni	18.5	mg/kg	0.5
A6	8.5	A6-8.5'	5/5/2016	7439-92-1	Lead, Pb	59.5	mg/kg	0.5
A6	8.5	A6-8.5'	5/5/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
A6	8.5	A6-8.5'	5/5/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
A6	8.5	A6-8.5'	5/5/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
A6	8.5	A6-8.5'	5/5/2016	7440-62-2	Vanadium, V	57.6	mg/kg	0.5
A6	8.5	A6-8.5'	5/5/2016	7440-66-6	Zinc, Zn	3240	mg/kg	5
A6	8.5	A6-8.5'	5/5/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
A6	8.5	A6-8.5'	5/5/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
A6	8.5	A6-8.5'	5/5/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
A6	8.5	A6-8.5'	5/5/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
A6	8.5	A6-8.5'	5/5/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
A6	8.5	A6-8.5'	5/5/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
A6	8.5	A6-8.5'	5/5/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
A6	8.5	A6-8.5'	5/5/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
A6	8.5	A6-8.5'	5/5/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
A6	8.5	A6-8.5'	5/5/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
A6	8.5	A6-8.5'	5/5/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
A6	8.5	A6-8.5'	5/5/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
A6	8.5	A6-8.5'	5/5/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
A6	8.5	A6-8.5'	5/5/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
A6	8.5	A6-8.5'	5/5/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
A6	8.5	A6-8.5'	5/5/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
A6	8.5	A6-8.5'	5/5/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
A6	8.5	A6-8.5'	5/5/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
A6	8.5	A6-8.5'	5/5/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
A6	8.5	A6-8.5'	5/5/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
A6	8.5	A6-8.5'	5/5/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
A6	8.5	A6-8.5'	5/5/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
A6	8.5	A6-8.5'	5/5/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
A6	8.5	A6-8.5'	5/5/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
A6	8.5	A6-8.5'	5/5/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
A6	8.5	A6-8.5'	5/5/2016	71-43-2	Benzene	ND	µg/kg	1
A6	8.5	A6-8.5'	5/5/2016	108-86-1	Bromobenzene	ND	µg/kg	1
A6	8.5	A6-8.5'	5/5/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
A6	8.5	A6-8.5'	5/5/2016	75-25-2	Bromoform	ND	µg/kg	1
A6	8.5	A6-8.5'	5/5/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
A6	8.5	A6-8.5'	5/5/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
A6	8.5	A6-8.5'	5/5/2016	67-66-3	Chloroform	ND	µg/kg	1
A6	8.5	A6-8.5'	5/5/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
A6	8.5	A6-8.5'	5/5/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
A6	8.5	A6-8.5'	5/5/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
A6	8.5	A6-8.5'	5/5/2016	74-95-3	Dibromomethane	ND	µg/kg	1
A6	8.5	A6-8.5'	5/5/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
A6	8.5	A6-8.5'	5/5/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
A6	8.5	A6-8.5'	5/5/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
A6	8.5	A6-8.5'	5/5/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
A6	8.5	A6-8.5'	5/5/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
A6	8.5	A6-8.5'	5/5/2016	76-13-1	Freon 113	ND	µg/kg	5
A6	8.5	A6-8.5'	5/5/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
A6	8.5	A6-8.5'	5/5/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
A6	8.5	A6-8.5'	5/5/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
A6	8.5	A6-8.5'	5/5/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
A6	8.5	A6-8.5'	5/5/2016	91-20-3	Naphthalene	ND	µg/kg	1
A6	8.5	A6-8.5'	5/5/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
A6	8.5	A6-8.5'	5/5/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
A6	8.5	A6-8.5'	5/5/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
A6	8.5	A6-8.5'	5/5/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
A6	8.5	A6-8.5'	5/5/2016	100-42-5	Styrene	ND	µg/kg	1
A6	8.5	A6-8.5'	5/5/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
A6	8.5	A6-8.5'	5/5/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
A6	8.5	A6-8.5'	5/5/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
A6	8.5	A6-8.5'	5/5/2016	127-18-4	Tetrachloroethylene	2	µg/kg	1
A6	8.5	A6-8.5'	5/5/2016	108-88-3	Toluene	ND	µg/kg	1
A6	8.5	A6-8.5'	5/5/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
A6	8.5	A6-8.5'	5/5/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
A6	8.5	A6-8.5'	5/5/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
A6	8.5	A6-8.5'	5/5/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
A6	8.5	A6-8.5'	5/5/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
A6	8.5	A6-8.5'	5/5/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
A6	8.5	A6-8.5'	5/5/2016	108-38-3	Xylenes	ND	µg/kg	1
A7	1	A7-1'	5/5/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
A7	1	A7-1'	5/5/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
A7	1	A7-1'	5/5/2016	7440-39-3	Barium, Ba	131	mg/kg	0.5
A7	1	A7-1'	5/5/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
A7	1	A7-1'	5/5/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
A7	1	A7-1'	5/5/2016	7440-48-4	Cobalt, Co	9.6	mg/kg	0.5
A7	1	A7-1'	5/5/2016	7440-47-3	Chromium, Cr	25.8	mg/kg	0.5
A7	1	A7-1'	5/5/2016	7440-50-8	Copper, Cu	35.2	mg/kg	0.5
A7	1	A7-1'	5/5/2016	7439-98-7	Molybdenum, Mo	2.2	mg/kg	0.5
A7	1	A7-1'	5/5/2016	7440-02-0	Nickel, Ni	21.4	mg/kg	0.5
A7	1	A7-1'	5/5/2016	7439-92-1	Lead, Pb	15.9	mg/kg	0.5
A7	1	A7-1'	5/5/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
A7	1	A7-1'	5/5/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
A7	1	A7-1'	5/5/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
A7	1	A7-1'	5/5/2016	7440-62-2	Vanadium, V	58.3	mg/kg	0.5
A7	1	A7-1'	5/5/2016	7440-66-6	Zinc, Zn	154	mg/kg	0.5
A7	1	A7-1'	5/5/2016	7439-97-6	Mercury, Hg	0.035	mg/kg	0.02
A7	1	A7-1'	5/5/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
A7	1	A7-1'	5/5/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
A7	1	A7-1'	5/5/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
A7	1	A7-1'	5/5/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
A7	1	A7-1'	5/5/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
A7	1	A7-1'	5/5/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
A7	1	A7-1'	5/5/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
A7	1	A7-1'	5/5/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
A7	1	A7-1'	5/5/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
A7	1	A7-1'	5/5/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
A7	1	A7-1'	5/5/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
A7	1	A7-1'	5/5/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
A7	1	A7-1'	5/5/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
A7	1	A7-1'	5/5/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
A7	1	A7-1'	5/5/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
A7	1	A7-1'	5/5/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
A7	1	A7-1'	5/5/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
A7	1	A7-1'	5/5/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
A7	1	A7-1'	5/5/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
A7	1	A7-1'	5/5/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
A7	1	A7-1'	5/5/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
A7	1	A7-1'	5/5/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
A7	1	A7-1'	5/5/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
A7	1	A7-1'	5/5/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
A7	1	A7-1'	5/5/2016	71-43-2	Benzene	ND	µg/kg	1
A7	1	A7-1'	5/5/2016	108-86-1	Bromobenzene	ND	µg/kg	1
A7	1	A7-1'	5/5/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
A7	1	A7-1'	5/5/2016	75-25-2	Bromoform	ND	µg/kg	1
A7	1	A7-1'	5/5/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
A7	1	A7-1'	5/5/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
A7	1	A7-1'	5/5/2016	67-66-3	Chloroform	ND	µg/kg	1
A7	1	A7-1'	5/5/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
A7	1	A7-1'	5/5/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
A7	1	A7-1'	5/5/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
A7	1	A7-1'	5/5/2016	74-95-3	Dibromomethane	ND	µg/kg	1
A7	1	A7-1'	5/5/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
A7	1	A7-1'	5/5/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
A7	1	A7-1'	5/5/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
A7	1	A7-1'	5/5/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
A7	1	A7-1'	5/5/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
A7	1	A7-1'	5/5/2016	76-13-1	Freon 113	ND	µg/kg	5
A7	1	A7-1'	5/5/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
A7	1	A7-1'	5/5/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
A7	1	A7-1'	5/5/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
A7	1	A7-1'	5/5/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
A7	1	A7-1'	5/5/2016	91-20-3	Naphthalene	ND	µg/kg	1
A7	1	A7-1'	5/5/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
A7	1	A7-1'	5/5/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
A7	1	A7-1'	5/5/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
A7	1	A7-1'	5/5/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
A7	1	A7-1'	5/5/2016	100-42-5	Styrene	ND	µg/kg	1
A7	1	A7-1'	5/5/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
A7	1	A7-1'	5/5/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
A7	1	A7-1'	5/5/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
A7	1	A7-1'	5/5/2016	127-18-4	Tetrachloroethylene	22.1	µg/kg	1
A7	1	A7-1'	5/5/2016	108-88-3	Toluene	ND	µg/kg	1
A7	1	A7-1'	5/5/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
A7	1	A7-1'	5/5/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
A7	1	A7-1'	5/5/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
A7	1	A7-1'	5/5/2016	79-01-6	Trichloroethylene	64.7	µg/kg	1
A7	1	A7-1'	5/5/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
A7	1	A7-1'	5/5/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
A7	1	A7-1'	5/5/2016	108-38-3	Xylenes	ND	µg/kg	1
A7	3.5	A7-3.5'	5/5/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
A7	3.5	A7-3.5'	5/5/2016	7440-38-2	Arsenic, As	2.4	mg/kg	0.5
A7	3.5	A7-3.5'	5/5/2016	7440-39-3	Barium, Ba	34.5	mg/kg	0.5
A7	3.5	A7-3.5'	5/5/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
A7	3.5	A7-3.5'	5/5/2016	7440-43-9	Cadmium, Cd	6.1	mg/kg	0.5
A7	3.5	A7-3.5'	5/5/2016	7440-48-4	Cobalt, Co	1.1	mg/kg	0.5
A7	3.5	A7-3.5'	5/5/2016	7440-47-3	Chromium, Cr	7.9	mg/kg	0.5
A7	3.5	A7-3.5'	5/5/2016	7440-50-8	Copper, Cu	6740	mg/kg	10
A7	3.5	A7-3.5'	5/5/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
A7	3.5	A7-3.5'	5/5/2016	7440-02-0	Nickel, Ni	47.1	mg/kg	0.5
A7	3.5	A7-3.5'	5/5/2016	7439-92-1	Lead, Pb	1110	mg/kg	5
A7	3.5	A7-3.5'	5/5/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
A7	3.5	A7-3.5'	5/5/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
A7	3.5	A7-3.5'	5/5/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
A7	3.5	A7-3.5'	5/5/2016	7440-62-2	Vanadium, V	11.3	mg/kg	0.5
A7	3.5	A7-3.5'	5/5/2016	7440-66-6	Zinc, Zn	6920	mg/kg	10

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
A7	3.5	A7-3.5'	5/5/2016	7439-97-6	Mercury, Hg	0.029	mg/kg	0.02
A7	3.5	A7-3.5'	5/5/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
A7	3.5	A7-3.5'	5/5/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
A7	3.5	A7-3.5'	5/5/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
A7	3.5	A7-3.5'	5/5/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
A7	3.5	A7-3.5'	5/5/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
A7	3.5	A7-3.5'	5/5/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
A7	3.5	A7-3.5'	5/5/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
A7	3.5	A7-3.5'	5/5/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
A7	3.5	A7-3.5'	5/5/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
A7	3.5	A7-3.5'	5/5/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
A7	3.5	A7-3.5'	5/5/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
A7	3.5	A7-3.5'	5/5/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
A7	3.5	A7-3.5'	5/5/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
A7	3.5	A7-3.5'	5/5/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
A7	3.5	A7-3.5'	5/5/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
A7	3.5	A7-3.5'	5/5/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
A7	3.5	A7-3.5'	5/5/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
A7	3.5	A7-3.5'	5/5/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
A7	3.5	A7-3.5'	5/5/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
A7	3.5	A7-3.5'	5/5/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
A7	3.5	A7-3.5'	5/5/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
A7	3.5	A7-3.5'	5/5/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
A7	3.5	A7-3.5'	5/5/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
A7	3.5	A7-3.5'	5/5/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
A7	3.5	A7-3.5'	5/5/2016	71-43-2	Benzene	ND	µg/kg	1
A7	3.5	A7-3.5'	5/5/2016	108-86-1	Bromobenzene	ND	µg/kg	1
A7	3.5	A7-3.5'	5/5/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
A7	3.5	A7-3.5'	5/5/2016	75-25-2	Bromoform	ND	µg/kg	1
A7	3.5	A7-3.5'	5/5/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
A7	3.5	A7-3.5'	5/5/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
A7	3.5	A7-3.5'	5/5/2016	67-66-3	Chloroform	ND	µg/kg	1
A7	3.5	A7-3.5'	5/5/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
A7	3.5	A7-3.5'	5/5/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
A7	3.5	A7-3.5'	5/5/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
A7	3.5	A7-3.5'	5/5/2016	74-95-3	Dibromomethane	ND	µg/kg	1
A7	3.5	A7-3.5'	5/5/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
A7	3.5	A7-3.5'	5/5/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
A7	3.5	A7-3.5'	5/5/2016	N/A	DRO (C10-C28)	21.8	µg/kg	10
A7	3.5	A7-3.5'	5/5/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
A7	3.5	A7-3.5'	5/5/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
A7	3.5	A7-3.5'	5/5/2016	76-13-1	Freon 113	ND	µg/kg	5
A7	3.5	A7-3.5'	5/5/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
A7	3.5	A7-3.5'	5/5/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
A7	3.5	A7-3.5'	5/5/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
A7	3.5	A7-3.5'	5/5/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
A7	3.5	A7-3.5'	5/5/2016	91-20-3	Naphthalene	ND	µg/kg	1
A7	3.5	A7-3.5'	5/5/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
A7	3.5	A7-3.5'	5/5/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
A7	3.5	A7-3.5'	5/5/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
A7	3.5	A7-3.5'	5/5/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
A7	3.5	A7-3.5'	5/5/2016	100-42-5	Styrene	ND	µg/kg	1
A7	3.5	A7-3.5'	5/5/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
A7	3.5	A7-3.5'	5/5/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
A7	3.5	A7-3.5'	5/5/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
A7	3.5	A7-3.5'	5/5/2016	127-18-4	Tetrachloroethylene	2470	µg/kg	23
A7	3.5	A7-3.5'	5/5/2016	108-88-3	Toluene	ND	µg/kg	1
A7	3.5	A7-3.5'	5/5/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
A7	3.5	A7-3.5'	5/5/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
A7	3.5	A7-3.5'	5/5/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
A7	3.5	A7-3.5'	5/5/2016	79-01-6	Trichloroethylene	4800	µg/kg	23
A7	3.5	A7-3.5'	5/5/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
A7	3.5	A7-3.5'	5/5/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
A7	3.5	A7-3.5'	5/5/2016	108-38-3	Xylenes	ND	µg/kg	1
A7	8.5	A7-8.5'	5/5/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
A7	8.5	A7-8.5'	5/5/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
A7	8.5	A7-8.5'	5/5/2016	7440-39-3	Barium, Ba	176	mg/kg	0.5
A7	8.5	A7-8.5'	5/5/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
A7	8.5	A7-8.5'	5/5/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
A7	8.5	A7-8.5'	5/5/2016	7440-48-4	Cobalt, Co	16.7	mg/kg	0.5
A7	8.5	A7-8.5'	5/5/2016	7440-47-3	Chromium, Cr	34.3	mg/kg	0.5
A7	8.5	A7-8.5'	5/5/2016	7440-50-8	Copper, Cu	609	mg/kg	5
A7	8.5	A7-8.5'	5/5/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
A7	8.5	A7-8.5'	5/5/2016	7440-02-0	Nickel, Ni	28.1	mg/kg	0.5

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
A7	8.5	A7-8.5'	5/5/2016	7439-92-1	Lead, Pb	99.5	mg/kg	0.5
A7	8.5	A7-8.5'	5/5/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
A7	8.5	A7-8.5'	5/5/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
A7	8.5	A7-8.5'	5/5/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
A7	8.5	A7-8.5'	5/5/2016	7440-62-2	Vanadium, V	64.8	mg/kg	0.5
A7	8.5	A7-8.5'	5/5/2016	7440-66-6	Zinc, Zn	359	mg/kg	0.5
A7	8.5	A7-8.5'	5/5/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
A7	8.5	A7-8.5'	5/5/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
A7	8.5	A7-8.5'	5/5/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
A7	8.5	A7-8.5'	5/5/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
A7	8.5	A7-8.5'	5/5/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
A7	8.5	A7-8.5'	5/5/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
A7	8.5	A7-8.5'	5/5/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
A7	8.5	A7-8.5'	5/5/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
A7	8.5	A7-8.5'	5/5/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
A7	8.5	A7-8.5'	5/5/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
A7	8.5	A7-8.5'	5/5/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
A7	8.5	A7-8.5'	5/5/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
A7	8.5	A7-8.5'	5/5/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
A7	8.5	A7-8.5'	5/5/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
A7	8.5	A7-8.5'	5/5/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
A7	8.5	A7-8.5'	5/5/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
A7	8.5	A7-8.5'	5/5/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
A7	8.5	A7-8.5'	5/5/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
A7	8.5	A7-8.5'	5/5/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
A7	8.5	A7-8.5'	5/5/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
A7	8.5	A7-8.5'	5/5/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
A7	8.5	A7-8.5'	5/5/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
A7	8.5	A7-8.5'	5/5/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
A7	8.5	A7-8.5'	5/5/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
A7	8.5	A7-8.5'	5/5/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
A7	8.5	A7-8.5'	5/5/2016	71-43-2	Benzene	ND	µg/kg	1
A7	8.5	A7-8.5'	5/5/2016	108-86-1	Bromobenzene	ND	µg/kg	1
A7	8.5	A7-8.5'	5/5/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
A7	8.5	A7-8.5'	5/5/2016	75-25-2	Bromoform	ND	µg/kg	1
A7	8.5	A7-8.5'	5/5/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
A7	8.5	A7-8.5'	5/5/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
A7	8.5	A7-8.5'	5/5/2016	67-66-3	Chloroform	ND	µg/kg	1
A7	8.5	A7-8.5'	5/5/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
A7	8.5	A7-8.5'	5/5/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
A7	8.5	A7-8.5'	5/5/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
A7	8.5	A7-8.5'	5/5/2016	74-95-3	Dibromomethane	ND	µg/kg	1
A7	8.5	A7-8.5'	5/5/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
A7	8.5	A7-8.5'	5/5/2016	108-20-3	Diisopropylether (DIPE)	ND	µg/kg	5
A7	8.5	A7-8.5'	5/5/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
A7	8.5	A7-8.5'	5/5/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
A7	8.5	A7-8.5'	5/5/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
A7	8.5	A7-8.5'	5/5/2016	76-13-1	Freon 113	ND	µg/kg	5
A7	8.5	A7-8.5'	5/5/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
A7	8.5	A7-8.5'	5/5/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
A7	8.5	A7-8.5'	5/5/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
A7	8.5	A7-8.5'	5/5/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
A7	8.5	A7-8.5'	5/5/2016	91-20-3	Naphthalene	ND	µg/kg	1
A7	8.5	A7-8.5'	5/5/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
A7	8.5	A7-8.5'	5/5/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
A7	8.5	A7-8.5'	5/5/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
A7	8.5	A7-8.5'	5/5/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
A7	8.5	A7-8.5'	5/5/2016	100-42-5	Styrene	ND	µg/kg	1
A7	8.5	A7-8.5'	5/5/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
A7	8.5	A7-8.5'	5/5/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
A7	8.5	A7-8.5'	5/5/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
A7	8.5	A7-8.5'	5/5/2016	127-18-4	Tetrachloroethylene	1.4	µg/kg	1
A7	8.5	A7-8.5'	5/5/2016	108-88-3	Toluene	ND	µg/kg	1
A7	8.5	A7-8.5'	5/5/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
A7	8.5	A7-8.5'	5/5/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
A7	8.5	A7-8.5'	5/5/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
A7	8.5	A7-8.5'	5/5/2016	79-01-6	Trichloroethylene	2.6	µg/kg	1
A7	8.5	A7-8.5'	5/5/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
A7	8.5	A7-8.5'	5/5/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
A7	8.5	A7-8.5'	5/5/2016	108-38-3	Xylenes	ND	µg/kg	1
A8	1	A8-1'	5/5/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
A8	1	A8-1'	5/5/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
A8	1	A8-1'	5/5/2016	7440-39-3	Barium, Ba	131	mg/kg	0.5
A8	1	A8-1'	5/5/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
A8	1	A8-1'	5/5/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
A8	1	A8-1'	5/5/2016	7440-48-4	Cobalt, Co	12.2	mg/kg	0.5
A8	1	A8-1'	5/5/2016	7440-47-3	Chromium, Cr	18.5	mg/kg	0.5
A8	1	A8-1'	5/5/2016	7440-50-8	Copper, Cu	25.1	mg/kg	0.5
A8	1	A8-1'	5/5/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
A8	1	A8-1'	5/5/2016	7440-02-0	Nickel, Ni	12.2	mg/kg	0.5
A8	1	A8-1'	5/5/2016	7439-92-1	Lead, Pb	4.1	mg/kg	0.5
A8	1	A8-1'	5/5/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
A8	1	A8-1'	5/5/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
A8	1	A8-1'	5/5/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
A8	1	A8-1'	5/5/2016	7440-62-2	Vanadium, V	45.8	mg/kg	0.5
A8	1	A8-1'	5/5/2016	7440-66-6	Zinc, Zn	62.2	mg/kg	0.5
A8	1	A8-1'	5/5/2016	7439-97-6	Mercury, Hg	0.022	mg/kg	0.02
A8	1	A8-1'	5/5/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
A8	1	A8-1'	5/5/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
A8	1	A8-1'	5/5/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
A8	1	A8-1'	5/5/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
A8	1	A8-1'	5/5/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
A8	1	A8-1'	5/5/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
A8	1	A8-1'	5/5/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
A8	1	A8-1'	5/5/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
A8	1	A8-1'	5/5/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
A8	1	A8-1'	5/5/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
A8	1	A8-1'	5/5/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
A8	1	A8-1'	5/5/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
A8	1	A8-1'	5/5/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
A8	1	A8-1'	5/5/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
A8	1	A8-1'	5/5/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
A8	1	A8-1'	5/5/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
A8	1	A8-1'	5/5/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
A8	1	A8-1'	5/5/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
A8	1	A8-1'	5/5/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
A8	1	A8-1'	5/5/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
A8	1	A8-1'	5/5/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
A8	1	A8-1'	5/5/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
A8	1	A8-1'	5/5/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
A8	1	A8-1'	5/5/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
A8	1	A8-1'	5/5/2016	71-43-2	Benzene	ND	µg/kg	1
A8	1	A8-1'	5/5/2016	108-86-1	Bromobenzene	ND	µg/kg	1
A8	1	A8-1'	5/5/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
A8	1	A8-1'	5/5/2016	75-25-2	Bromoform	ND	µg/kg	1
A8	1	A8-1'	5/5/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
A8	1	A8-1'	5/5/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
A8	1	A8-1'	5/5/2016	67-66-3	Chloroform	ND	µg/kg	1
A8	1	A8-1'	5/5/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
A8	1	A8-1'	5/5/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
A8	1	A8-1'	5/5/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
A8	1	A8-1'	5/5/2016	74-95-3	Dibromomethane	ND	µg/kg	1
A8	1	A8-1'	5/5/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
A8	1	A8-1'	5/5/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
A8	1	A8-1'	5/5/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
A8	1	A8-1'	5/5/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
A8	1	A8-1'	5/5/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
A8	1	A8-1'	5/5/2016	76-13-1	Freon 113	ND	µg/kg	5
A8	1	A8-1'	5/5/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
A8	1	A8-1'	5/5/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
A8	1	A8-1'	5/5/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
A8	1	A8-1'	5/5/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
A8	1	A8-1'	5/5/2016	91-20-3	Naphthalene	ND	µg/kg	1
A8	1	A8-1'	5/5/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
A8	1	A8-1'	5/5/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
A8	1	A8-1'	5/5/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
A8	1	A8-1'	5/5/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
A8	1	A8-1'	5/5/2016	100-42-5	Styrene	ND	µg/kg	1
A8	1	A8-1'	5/5/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
A8	1	A8-1'	5/5/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
A8	1	A8-1'	5/5/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
A8	1	A8-1'	5/5/2016	127-18-4	Tetrachloroethylene	21.9	µg/kg	1
A8	1	A8-1'	5/5/2016	108-88-3	Toluene	ND	µg/kg	1
A8	1	A8-1'	5/5/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
A8	1	A8-1'	5/5/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
A8	1	A8-1'	5/5/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
A8	1	A8-1'	5/5/2016	79-01-6	Trichloroethylene	2.1	µg/kg	1
A8	1	A8-1'	5/5/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
A8	1	A8-1'	5/5/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
A8	1	A8-1'	5/5/2016	108-38-3	Xylenes	ND	µg/kg	1
A8	4.5	A8-4.5'	5/5/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
A8	4.5	A8-4.5'	5/5/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
A8	4.5	A8-4.5'	5/5/2016	7440-39-3	Barium, Ba	220	mg/kg	0.5
A8	4.5	A8-4.5'	5/5/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
A8	4.5	A8-4.5'	5/5/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
A8	4.5	A8-4.5'	5/5/2016	7440-48-4	Cobalt, Co	20.3	mg/kg	0.5
A8	4.5	A8-4.5'	5/5/2016	7440-47-3	Chromium, Cr	34.5	mg/kg	0.5
A8	4.5	A8-4.5'	5/5/2016	7440-50-8	Copper, Cu	42.6	mg/kg	0.5
A8	4.5	A8-4.5'	5/5/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
A8	4.5	A8-4.5'	5/5/2016	7440-02-0	Nickel, Ni	25.7	mg/kg	0.5
A8	4.5	A8-4.5'	5/5/2016	7439-92-1	Lead, Pb	4.2	mg/kg	0.5
A8	4.5	A8-4.5'	5/5/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
A8	4.5	A8-4.5'	5/5/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
A8	4.5	A8-4.5'	5/5/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
A8	4.5	A8-4.5'	5/5/2016	7440-62-2	Vanadium, V	74.4	mg/kg	0.5
A8	4.5	A8-4.5'	5/5/2016	7440-66-6	Zinc, Zn	46.8	mg/kg	0.5
A8	4.5	A8-4.5'	5/5/2016	7439-97-6	Mercury, Hg	0.03	mg/kg	0.02
A8	4.5	A8-4.5'	5/5/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
A8	4.5	A8-4.5'	5/5/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
A8	4.5	A8-4.5'	5/5/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
A8	4.5	A8-4.5'	5/5/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
A8	4.5	A8-4.5'	5/5/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
A8	4.5	A8-4.5'	5/5/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
A8	4.5	A8-4.5'	5/5/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
A8	4.5	A8-4.5'	5/5/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
A8	4.5	A8-4.5'	5/5/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
A8	4.5	A8-4.5'	5/5/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
A8	4.5	A8-4.5'	5/5/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
A8	4.5	A8-4.5'	5/5/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
A8	4.5	A8-4.5'	5/5/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
A8	4.5	A8-4.5'	5/5/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
A8	4.5	A8-4.5'	5/5/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
A8	4.5	A8-4.5'	5/5/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
A8	4.5	A8-4.5'	5/5/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
A8	4.5	A8-4.5'	5/5/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
A8	4.5	A8-4.5'	5/5/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
A8	4.5	A8-4.5'	5/5/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
A8	4.5	A8-4.5'	5/5/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
A8	4.5	A8-4.5'	5/5/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
A8	4.5	A8-4.5'	5/5/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
A8	4.5	A8-4.5'	5/5/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
A8	4.5	A8-4.5'	5/5/2016	71-43-2	Benzene	ND	µg/kg	1
A8	4.5	A8-4.5'	5/5/2016	108-86-1	Bromobenzene	ND	µg/kg	1
A8	4.5	A8-4.5'	5/5/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
A8	4.5	A8-4.5'	5/5/2016	75-25-2	Bromoform	ND	µg/kg	1
A8	4.5	A8-4.5'	5/5/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
A8	4.5	A8-4.5'	5/5/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
A8	4.5	A8-4.5'	5/5/2016	67-66-3	Chloroform	ND	µg/kg	1
A8	4.5	A8-4.5'	5/5/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
A8	4.5	A8-4.5'	5/5/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
A8	4.5	A8-4.5'	5/5/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
A8	4.5	A8-4.5'	5/5/2016	74-95-3	Dibromomethane	ND	µg/kg	1
A8	4.5	A8-4.5'	5/5/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	1
A8	4.5	A8-4.5'	5/5/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	1
A8	4.5	A8-4.5'	5/5/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
A8	4.5	A8-4.5'	5/5/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
A8	4.5	A8-4.5'	5/5/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	1
A8	4.5	A8-4.5'	5/5/2016	76-13-1	Freon 113	ND	µg/kg	1
A8	4.5	A8-4.5'	5/5/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
A8	4.5	A8-4.5'	5/5/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
A8	4.5	A8-4.5'	5/5/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
A8	4.5	A8-4.5'	5/5/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	1
A8	4.5	A8-4.5'	5/5/2016	91-20-3	Naphthalene	ND	µg/kg	1
A8	4.5	A8-4.5'	5/5/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
A8	4.5	A8-4.5'	5/5/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
A8	4.5	A8-4.5'	5/5/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
A8	4.5	A8-4.5'	5/5/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
A8	4.5	A8-4.5'	5/5/2016	100-42-5	Styrene	ND	µg/kg	1
A8	4.5	A8-4.5'	5/5/2016	75-65-0	Tert-Butylalcohol (TBA)	ND	µg/kg	1
A8	4.5	A8-4.5'	5/5/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	1
A8	4.5	A8-4.5'	5/5/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
A8	4.5	A8-4.5'	5/5/2016	127-18-4	Tetrachloroethylene	11.4	µg/kg	1

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
A8	4.5	A8-4.5'	5/5/2016	108-88-3	Toluene	ND	µg/kg	1
A8	4.5	A8-4.5'	5/5/2016	N/A	TPH Gasoline Range	ND	µg/kg	1
A8	4.5	A8-4.5'	5/5/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
A8	4.5	A8-4.5'	5/5/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
A8	4.5	A8-4.5'	5/5/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
A8	4.5	A8-4.5'	5/5/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	1
A8	4.5	A8-4.5'	5/5/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
A8	4.5	A8-4.5'	5/5/2016	108-38-3	Xylenes	ND	µg/kg	1
A8	8.5	A8-8.5'	5/5/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
A8	8.5	A8-8.5'	5/5/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
A8	8.5	A8-8.5'	5/5/2016	7440-39-3	Barium, Ba	129	mg/kg	0.5
A8	8.5	A8-8.5'	5/5/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
A8	8.5	A8-8.5'	5/5/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
A8	8.5	A8-8.5'	5/5/2016	7440-48-4	Cobalt, Co	11.3	mg/kg	0.5
A8	8.5	A8-8.5'	5/5/2016	7440-47-3	Chromium, Cr	21.5	mg/kg	0.5
A8	8.5	A8-8.5'	5/5/2016	7440-50-8	Copper, Cu	24.3	mg/kg	0.5
A8	8.5	A8-8.5'	5/5/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
A8	8.5	A8-8.5'	5/5/2016	7440-02-0	Nickel, Ni	13.9	mg/kg	0.5
A8	8.5	A8-8.5'	5/5/2016	7439-92-1	Lead, Pb	1.4	mg/kg	0.5
A8	8.5	A8-8.5'	5/5/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
A8	8.5	A8-8.5'	5/5/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
A8	8.5	A8-8.5'	5/5/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
A8	8.5	A8-8.5'	5/5/2016	7440-62-2	Vanadium, V	49.7	mg/kg	0.5
A8	8.5	A8-8.5'	5/5/2016	7440-66-6	Zinc, Zn	45.6	mg/kg	0.5
A8	8.5	A8-8.5'	5/5/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
A8	8.5	A8-8.5'	5/5/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
A8	8.5	A8-8.5'	5/5/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
A8	8.5	A8-8.5'	5/5/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
A8	8.5	A8-8.5'	5/5/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
A8	8.5	A8-8.5'	5/5/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
A8	8.5	A8-8.5'	5/5/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
A8	8.5	A8-8.5'	5/5/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
A8	8.5	A8-8.5'	5/5/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
A8	8.5	A8-8.5'	5/5/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
A8	8.5	A8-8.5'	5/5/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
A8	8.5	A8-8.5'	5/5/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
A8	8.5	A8-8.5'	5/5/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
A8	8.5	A8-8.5'	5/5/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
A8	8.5	A8-8.5'	5/5/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
A8	8.5	A8-8.5'	5/5/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
A8	8.5	A8-8.5'	5/5/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
A8	8.5	A8-8.5'	5/5/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
A8	8.5	A8-8.5'	5/5/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
A8	8.5	A8-8.5'	5/5/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
A8	8.5	A8-8.5'	5/5/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
A8	8.5	A8-8.5'	5/5/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
A8	8.5	A8-8.5'	5/5/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
A8	8.5	A8-8.5'	5/5/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
A8	8.5	A8-8.5'	5/5/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
A8	8.5	A8-8.5'	5/5/2016	71-43-2	Benzene	ND	µg/kg	1
A8	8.5	A8-8.5'	5/5/2016	108-86-1	Bromobenzene	ND	µg/kg	1
A8	8.5	A8-8.5'	5/5/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
A8	8.5	A8-8.5'	5/5/2016	75-25-2	Bromoform	ND	µg/kg	1
A8	8.5	A8-8.5'	5/5/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
A8	8.5	A8-8.5'	5/5/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
A8	8.5	A8-8.5'	5/5/2016	67-66-3	Chloroform	ND	µg/kg	1
A8	8.5	A8-8.5'	5/5/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
A8	8.5	A8-8.5'	5/5/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
A8	8.5	A8-8.5'	5/5/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
A8	8.5	A8-8.5'	5/5/2016	74-95-3	Dibromomethane	ND	µg/kg	1
A8	8.5	A8-8.5'	5/5/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
A8	8.5	A8-8.5'	5/5/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
A8	8.5	A8-8.5'	5/5/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
A8	8.5	A8-8.5'	5/5/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
A8	8.5	A8-8.5'	5/5/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
A8	8.5	A8-8.5'	5/5/2016	76-13-1	Freon 113	ND	µg/kg	5
A8	8.5	A8-8.5'	5/5/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
A8	8.5	A8-8.5'	5/5/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
A8	8.5	A8-8.5'	5/5/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
A8	8.5	A8-8.5'	5/5/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
A8	8.5	A8-8.5'	5/5/2016	91-20-3	Naphthalene	ND	µg/kg	1
A8	8.5	A8-8.5'	5/5/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
A8	8.5	A8-8.5'	5/5/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
A8	8.5	A8-8.5'	5/5/2016	N/A	ORO (C29-C32)	ND	µg/kg	10

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
A8	8.5	A8-8.5'	5/5/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
A8	8.5	A8-8.5'	5/5/2016	100-42-5	Styrene	ND	µg/kg	1
A8	8.5	A8-8.5'	5/5/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
A8	8.5	A8-8.5'	5/5/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
A8	8.5	A8-8.5'	5/5/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
A8	8.5	A8-8.5'	5/5/2016	127-18-4	Tetrachloroethylene	1.5	µg/kg	1
A8	8.5	A8-8.5'	5/5/2016	108-88-3	Toluene	ND	µg/kg	1
A8	8.5	A8-8.5'	5/5/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
A8	8.5	A8-8.5'	5/5/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
A8	8.5	A8-8.5'	5/5/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
A8	8.5	A8-8.5'	5/5/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
A8	8.5	A8-8.5'	5/5/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
A8	8.5	A8-8.5'	5/5/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
A8	8.5	A8-8.5'	5/5/2016	108-38-3	Xylenes	ND	µg/kg	1
A9	1	A9-1'	5/5/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
A9	1	A9-1'	5/5/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
A9	1	A9-1'	5/5/2016	7440-39-3	Barium, Ba	126	mg/kg	0.5
A9	1	A9-1'	5/5/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
A9	1	A9-1'	5/5/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
A9	1	A9-1'	5/5/2016	7440-48-4	Cobalt, Co	12.3	mg/kg	0.5
A9	1	A9-1'	5/5/2016	7440-47-3	Chromium, Cr	17.7	mg/kg	0.5
A9	1	A9-1'	5/5/2016	7440-50-8	Copper, Cu	22.4	mg/kg	0.5
A9	1	A9-1'	5/5/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
A9	1	A9-1'	5/5/2016	7440-02-0	Nickel, Ni	11.4	mg/kg	0.5
A9	1	A9-1'	5/5/2016	7439-92-1	Lead, Pb	4	mg/kg	0.5
A9	1	A9-1'	5/5/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
A9	1	A9-1'	5/5/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
A9	1	A9-1'	5/5/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
A9	1	A9-1'	5/5/2016	7440-62-2	Vanadium, V	45.2	mg/kg	0.5
A9	1	A9-1'	5/5/2016	7440-66-6	Zinc, Zn	59.6	mg/kg	0.5
A9	1	A9-1'	5/5/2016	7439-97-6	Mercury, Hg	0.022	mg/kg	0.02
A9	1	A9-1'	5/5/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
A9	1	A9-1'	5/5/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
A9	1	A9-1'	5/5/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
A9	1	A9-1'	5/5/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
A9	1	A9-1'	5/5/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
A9	1	A9-1'	5/5/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
A9	1	A9-1'	5/5/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
A9	1	A9-1'	5/5/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
A9	1	A9-1'	5/5/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
A9	1	A9-1'	5/5/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
A9	1	A9-1'	5/5/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
A9	1	A9-1'	5/5/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
A9	1	A9-1'	5/5/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
A9	1	A9-1'	5/5/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
A9	1	A9-1'	5/5/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
A9	1	A9-1'	5/5/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
A9	1	A9-1'	5/5/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
A9	1	A9-1'	5/5/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
A9	1	A9-1'	5/5/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
A9	1	A9-1'	5/5/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
A9	1	A9-1'	5/5/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
A9	1	A9-1'	5/5/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
A9	1	A9-1'	5/5/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
A9	1	A9-1'	5/5/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
A9	1	A9-1'	5/5/2016	71-43-2	Benzene	3	µg/kg	1
A9	1	A9-1'	5/5/2016	108-86-1	Bromobenzene	ND	µg/kg	1
A9	1	A9-1'	5/5/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
A9	1	A9-1'	5/5/2016	75-25-2	Bromoform	ND	µg/kg	1
A9	1	A9-1'	5/5/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
A9	1	A9-1'	5/5/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
A9	1	A9-1'	5/5/2016	67-66-3	Chloroform	ND	µg/kg	1
A9	1	A9-1'	5/5/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
A9	1	A9-1'	5/5/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
A9	1	A9-1'	5/5/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
A9	1	A9-1'	5/5/2016	74-95-3	Dibromomethane	ND	µg/kg	1
A9	1	A9-1'	5/5/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
A9	1	A9-1'	5/5/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
A9	1	A9-1'	5/5/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
A9	1	A9-1'	5/5/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
A9	1	A9-1'	5/5/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
A9	1	A9-1'	5/5/2016	76-13-1	Freon 113	ND	µg/kg	5
A9	1	A9-1'	5/5/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
A9	1	A9-1'	5/5/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
A9	1	A9-1'	5/5/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
A9	1	A9-1'	5/5/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
A9	1	A9-1'	5/5/2016	91-20-3	Naphthalene	ND	µg/kg	1
A9	1	A9-1'	5/5/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
A9	1	A9-1'	5/5/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
A9	1	A9-1'	5/5/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
A9	1	A9-1'	5/5/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
A9	1	A9-1'	5/5/2016	100-42-5	Styrene	ND	µg/kg	1
A9	1	A9-1'	5/5/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
A9	1	A9-1'	5/5/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
A9	1	A9-1'	5/5/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
A9	1	A9-1'	5/5/2016	127-18-4	Tetrachloroethylene	4.3	µg/kg	1
A9	1	A9-1'	5/5/2016	108-88-3	Toluene	ND	µg/kg	1
A9	1	A9-1'	5/5/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
A9	1	A9-1'	5/5/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
A9	1	A9-1'	5/5/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
A9	1	A9-1'	5/5/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
A9	1	A9-1'	5/5/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
A9	1	A9-1'	5/5/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
A9	1	A9-1'	5/5/2016	108-38-3	Xylenes	ND	µg/kg	1
A9	4.5	A9-4.5'	5/5/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
A9	4.5	A9-4.5'	5/5/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
A9	4.5	A9-4.5'	5/5/2016	7440-39-3	Barium, Ba	189	mg/kg	0.5
A9	4.5	A9-4.5'	5/5/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
A9	4.5	A9-4.5'	5/5/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
A9	4.5	A9-4.5'	5/5/2016	7440-48-4	Cobalt, Co	16.1	mg/kg	0.5
A9	4.5	A9-4.5'	5/5/2016	7440-47-3	Chromium, Cr	31.1	mg/kg	0.5
A9	4.5	A9-4.5'	5/5/2016	7440-50-8	Copper, Cu	35.5	mg/kg	0.5
A9	4.5	A9-4.5'	5/5/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
A9	4.5	A9-4.5'	5/5/2016	7440-02-0	Nickel, Ni	20	mg/kg	0.5
A9	4.5	A9-4.5'	5/5/2016	7439-92-1	Lead, Pb	3	mg/kg	0.5
A9	4.5	A9-4.5'	5/5/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
A9	4.5	A9-4.5'	5/5/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
A9	4.5	A9-4.5'	5/5/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
A9	4.5	A9-4.5'	5/5/2016	7440-62-2	Vanadium, V	66.1	mg/kg	0.5
A9	4.5	A9-4.5'	5/5/2016	7440-66-6	Zinc, Zn	63.8	mg/kg	0.5
A9	4.5	A9-4.5'	5/5/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
A9	4.5	A9-4.5'	5/5/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
A9	4.5	A9-4.5'	5/5/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
A9	4.5	A9-4.5'	5/5/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
A9	4.5	A9-4.5'	5/5/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
A9	4.5	A9-4.5'	5/5/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
A9	4.5	A9-4.5'	5/5/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
A9	4.5	A9-4.5'	5/5/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
A9	4.5	A9-4.5'	5/5/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
A9	4.5	A9-4.5'	5/5/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
A9	4.5	A9-4.5'	5/5/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
A9	4.5	A9-4.5'	5/5/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
A9	4.5	A9-4.5'	5/5/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
A9	4.5	A9-4.5'	5/5/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
A9	4.5	A9-4.5'	5/5/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
A9	4.5	A9-4.5'	5/5/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
A9	4.5	A9-4.5'	5/5/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
A9	4.5	A9-4.5'	5/5/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
A9	4.5	A9-4.5'	5/5/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
A9	4.5	A9-4.5'	5/5/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
A9	4.5	A9-4.5'	5/5/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
A9	4.5	A9-4.5'	5/5/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
A9	4.5	A9-4.5'	5/5/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
A9	4.5	A9-4.5'	5/5/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
A9	4.5	A9-4.5'	5/5/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
A9	4.5	A9-4.5'	5/5/2016	71-43-2	Benzene	ND	µg/kg	1
A9	4.5	A9-4.5'	5/5/2016	108-86-1	Bromobenzene	ND	µg/kg	1
A9	4.5	A9-4.5'	5/5/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
A9	4.5	A9-4.5'	5/5/2016	75-25-2	Bromoform	ND	µg/kg	1
A9	4.5	A9-4.5'	5/5/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
A9	4.5	A9-4.5'	5/5/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
A9	4.5	A9-4.5'	5/5/2016	67-66-3	Chloroform	ND	µg/kg	1
A9	4.5	A9-4.5'	5/5/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
A9	4.5	A9-4.5'	5/5/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
A9	4.5	A9-4.5'	5/5/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
A9	4.5	A9-4.5'	5/5/2016	74-95-3	Dibromomethane	ND	µg/kg	1
A9	4.5	A9-4.5'	5/5/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
A9	4.5	A9-4.5'	5/5/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
A9	4.5	A9-4.5'	5/5/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
A9	4.5	A9-4.5'	5/5/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
A9	4.5	A9-4.5'	5/5/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
A9	4.5	A9-4.5'	5/5/2016	76-13-1	Freon 113	ND	µg/kg	5
A9	4.5	A9-4.5'	5/5/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
A9	4.5	A9-4.5'	5/5/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
A9	4.5	A9-4.5'	5/5/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
A9	4.5	A9-4.5'	5/5/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
A9	4.5	A9-4.5'	5/5/2016	91-20-3	Naphthalene	ND	µg/kg	1
A9	4.5	A9-4.5'	5/5/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
A9	4.5	A9-4.5'	5/5/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
A9	4.5	A9-4.5'	5/5/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
A9	4.5	A9-4.5'	5/5/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
A9	4.5	A9-4.5'	5/5/2016	100-42-5	Styrene	ND	µg/kg	1
A9	4.5	A9-4.5'	5/5/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
A9	4.5	A9-4.5'	5/5/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
A9	4.5	A9-4.5'	5/5/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
A9	4.5	A9-4.5'	5/5/2016	127-18-4	Tetrachloroethylene	4.5	µg/kg	1
A9	4.5	A9-4.5'	5/5/2016	108-88-3	Toluene	ND	µg/kg	1
A9	4.5	A9-4.5'	5/5/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
A9	4.5	A9-4.5'	5/5/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
A9	4.5	A9-4.5'	5/5/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
A9	4.5	A9-4.5'	5/5/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
A9	4.5	A9-4.5'	5/5/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
A9	4.5	A9-4.5'	5/5/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
A9	4.5	A9-4.5'	5/5/2016	108-38-3	Xylenes	ND	µg/kg	1
A9	8.5	A9-8.5'	5/5/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
A9	8.5	A9-8.5'	5/5/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
A9	8.5	A9-8.5'	5/5/2016	7440-39-3	Barium, Ba	115	mg/kg	0.5
A9	8.5	A9-8.5'	5/5/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
A9	8.5	A9-8.5'	5/5/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
A9	8.5	A9-8.5'	5/5/2016	7440-48-4	Cobalt, Co	11.4	mg/kg	0.5
A9	8.5	A9-8.5'	5/5/2016	7440-47-3	Chromium, Cr	20.3	mg/kg	0.5
A9	8.5	A9-8.5'	5/5/2016	7440-50-8	Copper, Cu	21.2	mg/kg	0.5
A9	8.5	A9-8.5'	5/5/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
A9	8.5	A9-8.5'	5/5/2016	7440-02-0	Nickel, Ni	12.9	mg/kg	0.5
A9	8.5	A9-8.5'	5/5/2016	7439-92-1	Lead, Pb	1.3	mg/kg	0.5
A9	8.5	A9-8.5'	5/5/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
A9	8.5	A9-8.5'	5/5/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
A9	8.5	A9-8.5'	5/5/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
A9	8.5	A9-8.5'	5/5/2016	7440-62-2	Vanadium, V	47.2	mg/kg	0.5
A9	8.5	A9-8.5'	5/5/2016	7440-66-6	Zinc, Zn	43.4	mg/kg	0.5
A9	8.5	A9-8.5'	5/5/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
A9	8.5	A9-8.5'	5/5/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
A9	8.5	A9-8.5'	5/5/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
A9	8.5	A9-8.5'	5/5/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
A9	8.5	A9-8.5'	5/5/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
A9	8.5	A9-8.5'	5/5/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
A9	8.5	A9-8.5'	5/5/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
A9	8.5	A9-8.5'	5/5/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
A9	8.5	A9-8.5'	5/5/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
A9	8.5	A9-8.5'	5/5/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
A9	8.5	A9-8.5'	5/5/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
A9	8.5	A9-8.5'	5/5/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
A9	8.5	A9-8.5'	5/5/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
A9	8.5	A9-8.5'	5/5/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
A9	8.5	A9-8.5'	5/5/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
A9	8.5	A9-8.5'	5/5/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
A9	8.5	A9-8.5'	5/5/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
A9	8.5	A9-8.5'	5/5/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
A9	8.5	A9-8.5'	5/5/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
A9	8.5	A9-8.5'	5/5/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
A9	8.5	A9-8.5'	5/5/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
A9	8.5	A9-8.5'	5/5/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
A9	8.5	A9-8.5'	5/5/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
A9	8.5	A9-8.5'	5/5/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
A9	8.5	A9-8.5'	5/5/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
A9	8.5	A9-8.5'	5/5/2016	71-43-2	Benzene	ND	µg/kg	1
A9	8.5	A9-8.5'	5/5/2016	108-86-1	Bromobenzene	ND	µg/kg	1
A9	8.5	A9-8.5'	5/5/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
A9	8.5	A9-8.5'	5/5/2016	75-25-2	Bromoform	ND	µg/kg	1
A9	8.5	A9-8.5'	5/5/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
A9	8.5	A9-8.5'	5/5/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
A9	8.5	A9-8.5'	5/5/2016	67-66-3	Chloroform	ND	µg/kg	1

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
A9	8.5	A9-8.5'	5/5/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
A9	8.5	A9-8.5'	5/5/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
A9	8.5	A9-8.5'	5/5/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
A9	8.5	A9-8.5'	5/5/2016	74-95-3	Dibromomethane	ND	µg/kg	1
A9	8.5	A9-8.5'	5/5/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
A9	8.5	A9-8.5'	5/5/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
A9	8.5	A9-8.5'	5/5/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
A9	8.5	A9-8.5'	5/5/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
A9	8.5	A9-8.5'	5/5/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
A9	8.5	A9-8.5'	5/5/2016	76-13-1	Freon 113	ND	µg/kg	5
A9	8.5	A9-8.5'	5/5/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
A9	8.5	A9-8.5'	5/5/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
A9	8.5	A9-8.5'	5/5/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
A9	8.5	A9-8.5'	5/5/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
A9	8.5	A9-8.5'	5/5/2016	91-20-3	Naphthalene	ND	µg/kg	1
A9	8.5	A9-8.5'	5/5/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
A9	8.5	A9-8.5'	5/5/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
A9	8.5	A9-8.5'	5/5/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
A9	8.5	A9-8.5'	5/5/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
A9	8.5	A9-8.5'	5/5/2016	100-42-5	Styrene	ND	µg/kg	1
A9	8.5	A9-8.5'	5/5/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
A9	8.5	A9-8.5'	5/5/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
A9	8.5	A9-8.5'	5/5/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
A9	8.5	A9-8.5'	5/5/2016	127-18-4	Tetrachloroethylene	ND	µg/kg	1
A9	8.5	A9-8.5'	5/5/2016	108-88-3	Toluene	ND	µg/kg	1
A9	8.5	A9-8.5'	5/5/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
A9	8.5	A9-8.5'	5/5/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
A9	8.5	A9-8.5'	5/5/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
A9	8.5	A9-8.5'	5/5/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
A9	8.5	A9-8.5'	5/5/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
A9	8.5	A9-8.5'	5/5/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
A9	8.5	A9-8.5'	5/5/2016	108-38-3	Xylenes	ND	µg/kg	1
A10	1	A10-1'	5/5/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
A10	1	A10-1'	5/5/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
A10	1	A10-1'	5/5/2016	7440-39-3	Barium, Ba	145	mg/kg	0.5
A10	1	A10-1'	5/5/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
A10	1	A10-1'	5/5/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
A10	1	A10-1'	5/5/2016	7440-48-4	Cobalt, Co	15	mg/kg	0.5
A10	1	A10-1'	5/5/2016	7440-47-3	Chromium, Cr	21.6	mg/kg	0.5
A10	1	A10-1'	5/5/2016	7440-50-8	Copper, Cu	22.6	mg/kg	0.5
A10	1	A10-1'	5/5/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
A10	1	A10-1'	5/5/2016	7440-02-0	Nickel, Ni	15.4	mg/kg	0.5
A10	1	A10-1'	5/5/2016	7439-92-1	Lead, Pb	6.2	mg/kg	0.5
A10	1	A10-1'	5/5/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
A10	1	A10-1'	5/5/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
A10	1	A10-1'	5/5/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
A10	1	A10-1'	5/5/2016	7440-62-2	Vanadium, V	47.9	mg/kg	0.5
A10	1	A10-1'	5/5/2016	7440-66-6	Zinc, Zn	66.6	mg/kg	0.5
A10	1	A10-1'	5/5/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
A10	1	A10-1'	5/5/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
A10	1	A10-1'	5/5/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
A10	1	A10-1'	5/5/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
A10	1	A10-1'	5/5/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
A10	1	A10-1'	5/5/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
A10	1	A10-1'	5/5/2016	75-35-4	1,2-Dichloroethane	ND	µg/kg	1
A10	1	A10-1'	5/5/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
A10	1	A10-1'	5/5/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
A10	1	A10-1'	5/5/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
A10	1	A10-1'	5/5/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
A10	1	A10-1'	5/5/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
A10	1	A10-1'	5/5/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
A10	1	A10-1'	5/5/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
A10	1	A10-1'	5/5/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
A10	1	A10-1'	5/5/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
A10	1	A10-1'	5/5/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
A10	1	A10-1'	5/5/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
A10	1	A10-1'	5/5/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
A10	1	A10-1'	5/5/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
A10	1	A10-1'	5/5/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
A10	1	A10-1'	5/5/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
A10	1	A10-1'	5/5/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
A10	1	A10-1'	5/5/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
A10	1	A10-1'	5/5/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
A10	1	A10-1'	5/5/2016	71-43-2	Benzene	ND	µg/kg	1

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
A10	1	A10-1'	5/5/2016	108-86-1	Bromobenzene	ND	µg/kg	1
A10	1	A10-1'	5/5/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
A10	1	A10-1'	5/5/2016	75-25-2	Bromoform	ND	µg/kg	1
A10	1	A10-1'	5/5/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
A10	1	A10-1'	5/5/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
A10	1	A10-1'	5/5/2016	67-66-3	Chloroform	ND	µg/kg	1
A10	1	A10-1'	5/5/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
A10	1	A10-1'	5/5/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
A10	1	A10-1'	5/5/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
A10	1	A10-1'	5/5/2016	74-95-3	Dibromomethane	ND	µg/kg	1
A10	1	A10-1'	5/5/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
A10	1	A10-1'	5/5/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
A10	1	A10-1'	5/5/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
A10	1	A10-1'	5/5/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
A10	1	A10-1'	5/5/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
A10	1	A10-1'	5/5/2016	76-13-1	Freon 113	ND	µg/kg	5
A10	1	A10-1'	5/5/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
A10	1	A10-1'	5/5/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
A10	1	A10-1'	5/5/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
A10	1	A10-1'	5/5/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
A10	1	A10-1'	5/5/2016	91-20-3	Naphthalene	ND	µg/kg	1
A10	1	A10-1'	5/5/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
A10	1	A10-1'	5/5/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
A10	1	A10-1'	5/5/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
A10	1	A10-1'	5/5/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
A10	1	A10-1'	5/5/2016	100-42-5	Styrene	ND	µg/kg	1
A10	1	A10-1'	5/5/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
A10	1	A10-1'	5/5/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
A10	1	A10-1'	5/5/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
A10	1	A10-1'	5/5/2016	127-18-4	Tetrachloroethylene	6.8	µg/kg	1
A10	1	A10-1'	5/5/2016	108-88-3	Toluene	ND	µg/kg	1
A10	1	A10-1'	5/5/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
A10	1	A10-1'	5/5/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
A10	1	A10-1'	5/5/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
A10	1	A10-1'	5/5/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
A10	1	A10-1'	5/5/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
A10	1	A10-1'	5/5/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
A10	1	A10-1'	5/5/2016	108-38-3	Xylenes	ND	µg/kg	1
A11	1	A11-1'	5/5/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
A11	1	A11-1'	5/5/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
A11	1	A11-1'	5/5/2016	7440-39-3	Barium, Ba	196	mg/kg	0.5
A11	1	A11-1'	5/5/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
A11	1	A11-1'	5/5/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
A11	1	A11-1'	5/5/2016	7440-48-4	Cobalt, Co	15.8	mg/kg	0.5
A11	1	A11-1'	5/5/2016	7440-47-3	Chromium, Cr	28.2	mg/kg	0.5
A11	1	A11-1'	5/5/2016	7440-50-8	Copper, Cu	106	mg/kg	0.5
A11	1	A11-1'	5/5/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
A11	1	A11-1'	5/5/2016	7440-02-0	Nickel, Ni	19.9	mg/kg	0.5
A11	1	A11-1'	5/5/2016	7439-92-1	Lead, Pb	9.6	mg/kg	0.5
A11	1	A11-1'	5/5/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
A11	1	A11-1'	5/5/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
A11	1	A11-1'	5/5/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
A11	1	A11-1'	5/5/2016	7440-62-2	Vanadium, V	62.2	mg/kg	0.5
A11	1	A11-1'	5/5/2016	7440-66-6	Zinc, Zn	161	mg/kg	0.5
A11	1	A11-1'	5/5/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
A11	1	A11-1'	5/5/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
A11	1	A11-1'	5/5/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
A11	1	A11-1'	5/5/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
A11	1	A11-1'	5/5/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
A11	1	A11-1'	5/5/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
A11	1	A11-1'	5/5/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
A11	1	A11-1'	5/5/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
A11	1	A11-1'	5/5/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
A11	1	A11-1'	5/5/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
A11	1	A11-1'	5/5/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
A11	1	A11-1'	5/5/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
A11	1	A11-1'	5/5/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
A11	1	A11-1'	5/5/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
A11	1	A11-1'	5/5/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
A11	1	A11-1'	5/5/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
A11	1	A11-1'	5/5/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
A11	1	A11-1'	5/5/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
A11	1	A11-1'	5/5/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
A11	1	A11-1'	5/5/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
A11	1	A11-1'	5/5/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
A11	1	A11-1'	5/5/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
A11	1	A11-1'	5/5/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
A11	1	A11-1'	5/5/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
A11	1	A11-1'	5/5/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
A11	1	A11-1'	5/5/2016	71-43-2	Benzene	ND	µg/kg	1
A11	1	A11-1'	5/5/2016	108-86-1	Bromobenzene	ND	µg/kg	1
A11	1	A11-1'	5/5/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
A11	1	A11-1'	5/5/2016	75-25-2	Bromoform	ND	µg/kg	1
A11	1	A11-1'	5/5/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
A11	1	A11-1'	5/5/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
A11	1	A11-1'	5/5/2016	67-66-3	Chloroform	ND	µg/kg	1
A11	1	A11-1'	5/5/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
A11	1	A11-1'	5/5/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
A11	1	A11-1'	5/5/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
A11	1	A11-1'	5/5/2016	74-95-3	Dibromomethane	ND	µg/kg	1
A11	1	A11-1'	5/5/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
A11	1	A11-1'	5/5/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
A11	1	A11-1'	5/5/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
A11	1	A11-1'	5/5/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
A11	1	A11-1'	5/5/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
A11	1	A11-1'	5/5/2016	76-13-1	Freon 113	ND	µg/kg	5
A11	1	A11-1'	5/5/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
A11	1	A11-1'	5/5/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
A11	1	A11-1'	5/5/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
A11	1	A11-1'	5/5/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
A11	1	A11-1'	5/5/2016	91-20-3	Naphthalene	ND	µg/kg	1
A11	1	A11-1'	5/5/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
A11	1	A11-1'	5/5/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
A11	1	A11-1'	5/5/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
A11	1	A11-1'	5/5/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
A11	1	A11-1'	5/5/2016	100-42-5	Styrene	ND	µg/kg	1
A11	1	A11-1'	5/5/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
A11	1	A11-1'	5/5/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
A11	1	A11-1'	5/5/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
A11	1	A11-1'	5/5/2016	127-18-4	Tetrachloroethylene	ND	µg/kg	1
A11	1	A11-1'	5/5/2016	108-88-3	Toluene	ND	µg/kg	1
A11	1	A11-1'	5/5/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
A11	1	A11-1'	5/5/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
A11	1	A11-1'	5/5/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
A11	1	A11-1'	5/5/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
A11	1	A11-1'	5/5/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
A11	1	A11-1'	5/5/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
A11	1	A11-1'	5/5/2016	108-38-3	Xylenes	ND	µg/kg	1
A11	4.5	A11-4.5'	5/5/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
A11	4.5	A11-4.5'	5/5/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
A11	4.5	A11-4.5'	5/5/2016	7440-39-3	Barium, Ba	126	mg/kg	0.5
A11	4.5	A11-4.5'	5/5/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
A11	4.5	A11-4.5'	5/5/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
A11	4.5	A11-4.5'	5/5/2016	7440-48-4	Cobalt, Co	11.6	mg/kg	0.5
A11	4.5	A11-4.5'	5/5/2016	7440-47-3	Chromium, Cr	21.9	mg/kg	0.5
A11	4.5	A11-4.5'	5/5/2016	7440-50-8	Copper, Cu	22.8	mg/kg	0.5
A11	4.5	A11-4.5'	5/5/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
A11	4.5	A11-4.5'	5/5/2016	7440-02-0	Nickel, Ni	14.4	mg/kg	0.5
A11	4.5	A11-4.5'	5/5/2016	7439-92-1	Lead, Pb	2.2	mg/kg	0.5
A11	4.5	A11-4.5'	5/5/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
A11	4.5	A11-4.5'	5/5/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
A11	4.5	A11-4.5'	5/5/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
A11	4.5	A11-4.5'	5/5/2016	7440-62-2	Vanadium, V	47.3	mg/kg	0.5
A11	4.5	A11-4.5'	5/5/2016	7440-66-6	Zinc, Zn	49.3	mg/kg	0.5
A11	4.5	A11-4.5'	5/5/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
A11	4.5	A11-4.5'	5/5/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
A11	4.5	A11-4.5'	5/5/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
A11	4.5	A11-4.5'	5/5/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
A11	4.5	A11-4.5'	5/5/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
A11	4.5	A11-4.5'	5/5/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
A11	4.5	A11-4.5'	5/5/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
A11	4.5	A11-4.5'	5/5/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
A11	4.5	A11-4.5'	5/5/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
A11	4.5	A11-4.5'	5/5/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
A11	4.5	A11-4.5'	5/5/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
A11	4.5	A11-4.5'	5/5/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
A11	4.5	A11-4.5'	5/5/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
A11	4.5	A11-4.5'	5/5/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
A11	4.5	A11-4.5'	5/5/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
A11	4.5	A11-4.5'	5/5/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
A11	4.5	A11-4.5'	5/5/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
A11	4.5	A11-4.5'	5/5/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
A11	4.5	A11-4.5'	5/5/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
A11	4.5	A11-4.5'	5/5/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
A11	4.5	A11-4.5'	5/5/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
A11	4.5	A11-4.5'	5/5/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
A11	4.5	A11-4.5'	5/5/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
A11	4.5	A11-4.5'	5/5/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
A11	4.5	A11-4.5'	5/5/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
A11	4.5	A11-4.5'	5/5/2016	71-43-2	Benzene	ND	µg/kg	1
A11	4.5	A11-4.5'	5/5/2016	108-86-1	Bromobenzene	ND	µg/kg	1
A11	4.5	A11-4.5'	5/5/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
A11	4.5	A11-4.5'	5/5/2016	75-25-2	Bromoform	ND	µg/kg	1
A11	4.5	A11-4.5'	5/5/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
A11	4.5	A11-4.5'	5/5/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
A11	4.5	A11-4.5'	5/5/2016	67-66-3	Chloroform	ND	µg/kg	1
A11	4.5	A11-4.5'	5/5/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
A11	4.5	A11-4.5'	5/5/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
A11	4.5	A11-4.5'	5/5/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
A11	4.5	A11-4.5'	5/5/2016	74-95-3	Dibromomethane	ND	µg/kg	1
A11	4.5	A11-4.5'	5/5/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
A11	4.5	A11-4.5'	5/5/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
A11	4.5	A11-4.5'	5/5/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
A11	4.5	A11-4.5'	5/5/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
A11	4.5	A11-4.5'	5/5/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
A11	4.5	A11-4.5'	5/5/2016	76-13-1	Freon 113	ND	µg/kg	5
A11	4.5	A11-4.5'	5/5/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
A11	4.5	A11-4.5'	5/5/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
A11	4.5	A11-4.5'	5/5/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
A11	4.5	A11-4.5'	5/5/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
A11	4.5	A11-4.5'	5/5/2016	91-20-3	Naphthalene	ND	µg/kg	1
A11	4.5	A11-4.5'	5/5/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
A11	4.5	A11-4.5'	5/5/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
A11	4.5	A11-4.5'	5/5/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
A11	4.5	A11-4.5'	5/5/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
A11	4.5	A11-4.5'	5/5/2016	100-42-5	Styrene	ND	µg/kg	1
A11	4.5	A11-4.5'	5/5/2016	75-65-0	Tert-Butylalcohol (TBA)	ND	µg/kg	50
A11	4.5	A11-4.5'	5/5/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
A11	4.5	A11-4.5'	5/5/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
A11	4.5	A11-4.5'	5/5/2016	127-18-4	Tetrachloroethylene	ND	µg/kg	1
A11	4.5	A11-4.5'	5/5/2016	108-88-3	Toluene	ND	µg/kg	1
A11	4.5	A11-4.5'	5/5/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
A11	4.5	A11-4.5'	5/5/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
A11	4.5	A11-4.5'	5/5/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
A11	4.5	A11-4.5'	5/5/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
A11	4.5	A11-4.5'	5/5/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
A11	4.5	A11-4.5'	5/5/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
A11	4.5	A11-4.5'	5/5/2016	108-38-3	Xylenes	ND	µg/kg	1
A11	8.5	A11-8.5'	5/5/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
A11	8.5	A11-8.5'	5/5/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
A11	8.5	A11-8.5'	5/5/2016	7440-39-3	Barium, Ba	205	mg/kg	0.5
A11	8.5	A11-8.5'	5/5/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
A11	8.5	A11-8.5'	5/5/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
A11	8.5	A11-8.5'	5/5/2016	7440-48-4	Cobalt, Co	18.1	mg/kg	0.5
A11	8.5	A11-8.5'	5/5/2016	7440-47-3	Chromium, Cr	31.6	mg/kg	0.5
A11	8.5	A11-8.5'	5/5/2016	7440-50-8	Copper, Cu	31.3	mg/kg	0.5
A11	8.5	A11-8.5'	5/5/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
A11	8.5	A11-8.5'	5/5/2016	7440-02-0	Nickel, Ni	22.3	mg/kg	0.5
A11	8.5	A11-8.5'	5/5/2016	7439-92-1	Lead, Pb	3.1	mg/kg	0.5
A11	8.5	A11-8.5'	5/5/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
A11	8.5	A11-8.5'	5/5/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
A11	8.5	A11-8.5'	5/5/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
A11	8.5	A11-8.5'	5/5/2016	7440-62-2	Vanadium, V	67	mg/kg	0.5
A11	8.5	A11-8.5'	5/5/2016	7440-66-6	Zinc, Zn	73.6	mg/kg	0.5
A11	8.5	A11-8.5'	5/5/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
A11	8.5	A11-8.5'	5/5/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
A11	8.5	A11-8.5'	5/5/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
A11	8.5	A11-8.5'	5/5/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
A11	8.5	A11-8.5'	5/5/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
A11	8.5	A11-8.5'	5/5/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
A11	8.5	A11-8.5'	5/5/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
A11	8.5	A11-8.5'	5/5/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
A11	8.5	A11-8.5'	5/5/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
A11	8.5	A11-8.5'	5/5/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
A11	8.5	A11-8.5'	5/5/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
A11	8.5	A11-8.5'	5/5/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
A11	8.5	A11-8.5'	5/5/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
A11	8.5	A11-8.5'	5/5/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
A11	8.5	A11-8.5'	5/5/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
A11	8.5	A11-8.5'	5/5/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
A11	8.5	A11-8.5'	5/5/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
A11	8.5	A11-8.5'	5/5/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
A11	8.5	A11-8.5'	5/5/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
A11	8.5	A11-8.5'	5/5/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
A11	8.5	A11-8.5'	5/5/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
A11	8.5	A11-8.5'	5/5/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
A11	8.5	A11-8.5'	5/5/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
A11	8.5	A11-8.5'	5/5/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
A11	8.5	A11-8.5'	5/5/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
A11	8.5	A11-8.5'	5/5/2016	71-43-2	Benzene	ND	µg/kg	1
A11	8.5	A11-8.5'	5/5/2016	108-86-1	Bromobenzene	ND	µg/kg	1
A11	8.5	A11-8.5'	5/5/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
A11	8.5	A11-8.5'	5/5/2016	75-25-2	Bromoform	ND	µg/kg	1
A11	8.5	A11-8.5'	5/5/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
A11	8.5	A11-8.5'	5/5/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
A11	8.5	A11-8.5'	5/5/2016	67-66-3	Chloroform	ND	µg/kg	1
A11	8.5	A11-8.5'	5/5/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
A11	8.5	A11-8.5'	5/5/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
A11	8.5	A11-8.5'	5/5/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
A11	8.5	A11-8.5'	5/5/2016	74-95-3	Dibromomethane	ND	µg/kg	1
A11	8.5	A11-8.5'	5/5/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
A11	8.5	A11-8.5'	5/5/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
A11	8.5	A11-8.5'	5/5/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
A11	8.5	A11-8.5'	5/5/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
A11	8.5	A11-8.5'	5/5/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
A11	8.5	A11-8.5'	5/5/2016	76-13-1	Freon 113	ND	µg/kg	5
A11	8.5	A11-8.5'	5/5/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
A11	8.5	A11-8.5'	5/5/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
A11	8.5	A11-8.5'	5/5/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
A11	8.5	A11-8.5'	5/5/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
A11	8.5	A11-8.5'	5/5/2016	91-20-3	Naphthalene	ND	µg/kg	1
A11	8.5	A11-8.5'	5/5/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
A11	8.5	A11-8.5'	5/5/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
A11	8.5	A11-8.5'	5/5/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
A11	8.5	A11-8.5'	5/5/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
A11	8.5	A11-8.5'	5/5/2016	100-42-5	Styrene	ND	µg/kg	1
A11	8.5	A11-8.5'	5/5/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
A11	8.5	A11-8.5'	5/5/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
A11	8.5	A11-8.5'	5/5/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
A11	8.5	A11-8.5'	5/5/2016	127-18-4	Tetrachloroethylene	ND	µg/kg	1
A11	8.5	A11-8.5'	5/5/2016	108-88-3	Toluene	ND	µg/kg	1
A11	8.5	A11-8.5'	5/5/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
A11	8.5	A11-8.5'	5/5/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
A11	8.5	A11-8.5'	5/5/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
A11	8.5	A11-8.5'	5/5/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
A11	8.5	A11-8.5'	5/5/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
A11	8.5	A11-8.5'	5/5/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
A11	8.5	A11-8.5'	5/5/2016	108-38-3	Xylenes	ND	µg/kg	1
A11	8.5D	A11-8.5'-D	5/5/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
A11	8.5D	A11-8.5'-D	5/5/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
A11	8.5D	A11-8.5'-D	5/5/2016	7440-39-3	Barium, Ba	123	mg/kg	0.5
A11	8.5D	A11-8.5'-D	5/5/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
A11	8.5D	A11-8.5'-D	5/5/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
A11	8.5D	A11-8.5'-D	5/5/2016	7440-48-4	Cobalt, Co	10.2	mg/kg	0.5
A11	8.5D	A11-8.5'-D	5/5/2016	7440-47-3	Chromium, Cr	19.1	mg/kg	0.5
A11	8.5D	A11-8.5'-D	5/5/2016	7440-50-8	Copper, Cu	23.2	mg/kg	0.5
A11	8.5D	A11-8.5'-D	5/5/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
A11	8.5D	A11-8.5'-D	5/5/2016	7440-02-0	Nickel, Ni	13.2	mg/kg	0.5
A11	8.5D	A11-8.5'-D	5/5/2016	7439-92-1	Lead, Pb	1.5	mg/kg	0.5
A11	8.5D	A11-8.5'-D	5/5/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
A11	8.5D	A11-8.5'-D	5/5/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
A11	8.5D	A11-8.5'-D	5/5/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
A11	8.5D	A11-8.5'-D	5/5/2016	7440-62-2	Vanadium, V	42.8	mg/kg	0.5
A11	8.5D	A11-8.5'-D	5/5/2016	7440-66-6	Zinc, Zn	44.4	mg/kg	0.5
A11	8.5D	A11-8.5'-D	5/5/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
A11	8.5D	A11-8.5'-D	5/5/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
A11	8.5D	A11-8.5'-D	5/5/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
A11	8.5D	A11-8.5'-D	5/5/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
A11	8.5D	A11-8.5'-D	5/5/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
A11	8.5D	A11-8.5'-D	5/5/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
A11	8.5D	A11-8.5'-D	5/5/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
A11	8.5D	A11-8.5'-D	5/5/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
A11	8.5D	A11-8.5'-D	5/5/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
A11	8.5D	A11-8.5'-D	5/5/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
A11	8.5D	A11-8.5'-D	5/5/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
A11	8.5D	A11-8.5'-D	5/5/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
A11	8.5D	A11-8.5'-D	5/5/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
A11	8.5D	A11-8.5'-D	5/5/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
A11	8.5D	A11-8.5'-D	5/5/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
A11	8.5D	A11-8.5'-D	5/5/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
A11	8.5D	A11-8.5'-D	5/5/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
A11	8.5D	A11-8.5'-D	5/5/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
A11	8.5D	A11-8.5'-D	5/5/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
A11	8.5D	A11-8.5'-D	5/5/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
A11	8.5D	A11-8.5'-D	5/5/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
A11	8.5D	A11-8.5'-D	5/5/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
A11	8.5D	A11-8.5'-D	5/5/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
A11	8.5D	A11-8.5'-D	5/5/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
A11	8.5D	A11-8.5'-D	5/5/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
A11	8.5D	A11-8.5'-D	5/5/2016	71-43-2	Benzene	ND	µg/kg	1
A11	8.5D	A11-8.5'-D	5/5/2016	108-86-1	Bromobenzene	ND	µg/kg	1
A11	8.5D	A11-8.5'-D	5/5/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
A11	8.5D	A11-8.5'-D	5/5/2016	75-25-2	Bromoform	ND	µg/kg	1
A11	8.5D	A11-8.5'-D	5/5/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
A11	8.5D	A11-8.5'-D	5/5/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
A11	8.5D	A11-8.5'-D	5/5/2016	67-66-3	Chloroform	ND	µg/kg	1
A11	8.5D	A11-8.5'-D	5/5/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
A11	8.5D	A11-8.5'-D	5/5/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
A11	8.5D	A11-8.5'-D	5/5/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
A11	8.5D	A11-8.5'-D	5/5/2016	74-95-3	Dibromomethane	ND	µg/kg	1
A11	8.5D	A11-8.5'-D	5/5/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
A11	8.5D	A11-8.5'-D	5/5/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
A11	8.5D	A11-8.5'-D	5/5/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
A11	8.5D	A11-8.5'-D	5/5/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
A11	8.5D	A11-8.5'-D	5/5/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
A11	8.5D	A11-8.5'-D	5/5/2016	76-13-1	Freon 113	ND	µg/kg	5
A11	8.5D	A11-8.5'-D	5/5/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
A11	8.5D	A11-8.5'-D	5/5/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
A11	8.5D	A11-8.5'-D	5/5/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
A11	8.5D	A11-8.5'-D	5/5/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
A11	8.5D	A11-8.5'-D	5/5/2016	91-20-3	Naphthalene	ND	µg/kg	1
A11	8.5D	A11-8.5'-D	5/5/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
A11	8.5D	A11-8.5'-D	5/5/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
A11	8.5D	A11-8.5'-D	5/5/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
A11	8.5D	A11-8.5'-D	5/5/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
A11	8.5D	A11-8.5'-D	5/5/2016	100-42-5	Styrene	ND	µg/kg	1
A11	8.5D	A11-8.5'-D	5/5/2016	75-65-0	Tert-Butylalcohol (TBA)	ND	µg/kg	50
A11	8.5D	A11-8.5'-D	5/5/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
A11	8.5D	A11-8.5'-D	5/5/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
A11	8.5D	A11-8.5'-D	5/5/2016	127-18-4	Tetrachloroethylene	ND	µg/kg	1
A11	8.5D	A11-8.5'-D	5/5/2016	108-88-3	Toluene	ND	µg/kg	1
A11	8.5D	A11-8.5'-D	5/5/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
A11	8.5D	A11-8.5'-D	5/5/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
A11	8.5D	A11-8.5'-D	5/5/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
A11	8.5D	A11-8.5'-D	5/5/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
A11	8.5D	A11-8.5'-D	5/5/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
A11	8.5D	A11-8.5'-D	5/5/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
A11	8.5D	A11-8.5'-D	5/5/2016	108-38-3	Xylenes	ND	µg/kg	1
A12	1	A12-1'	5/5/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
A12	1	A12-1'	5/5/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
A12	1	A12-1'	5/5/2016	7440-39-3	Barium, Ba	228	mg/kg	0.5
A12	1	A12-1'	5/5/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
A12	1	A12-1'	5/5/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
A12	1	A12-1'	5/5/2016	7440-48-4	Cobalt, Co	19.7	mg/kg	0.5
A12	1	A12-1'	5/5/2016	7440-47-3	Chromium, Cr	33.5	mg/kg	0.5
A12	1	A12-1'	5/5/2016	7440-50-8	Copper, Cu	38.9	mg/kg	0.5
A12	1	A12-1'	5/5/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
A12	1	A12-1'	5/5/2016	7440-02-0	Nickel, Ni	25.6	mg/kg	0.5
A12	1	A12-1'	5/5/2016	7439-92-1	Lead, Pb	6.8	mg/kg	0.5
A12	1	A12-1'	5/5/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
A12	1	A12-1'	5/5/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
A12	1	A12-1'	5/5/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
A12	1	A12-1'	5/5/2016	7440-62-2	Vanadium, V	72.9	mg/kg	0.5
A12	1	A12-1'	5/5/2016	7440-66-6	Zinc, Zn	90.5	mg/kg	0.5
A12	1	A12-1'	5/5/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
A12	1	A12-1'	5/5/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
A12	1	A12-1'	5/5/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
A12	1	A12-1'	5/5/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
A12	1	A12-1'	5/5/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
A12	1	A12-1'	5/5/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
A12	1	A12-1'	5/5/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
A12	1	A12-1'	5/5/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
A12	1	A12-1'	5/5/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
A12	1	A12-1'	5/5/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
A12	1	A12-1'	5/5/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
A12	1	A12-1'	5/5/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
A12	1	A12-1'	5/5/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
A12	1	A12-1'	5/5/2016	106-93-4	1,2-Dibromomethane (EDB)	ND	µg/kg	1
A12	1	A12-1'	5/5/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
A12	1	A12-1'	5/5/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
A12	1	A12-1'	5/5/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
A12	1	A12-1'	5/5/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
A12	1	A12-1'	5/5/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
A12	1	A12-1'	5/5/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
A12	1	A12-1'	5/5/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
A12	1	A12-1'	5/5/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
A12	1	A12-1'	5/5/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
A12	1	A12-1'	5/5/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
A12	1	A12-1'	5/5/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
A12	1	A12-1'	5/5/2016	71-43-2	Benzene	ND	µg/kg	1
A12	1	A12-1'	5/5/2016	108-86-1	Bromobenzene	ND	µg/kg	1
A12	1	A12-1'	5/5/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
A12	1	A12-1'	5/5/2016	75-25-2	Bromoform	ND	µg/kg	1
A12	1	A12-1'	5/5/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
A12	1	A12-1'	5/5/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
A12	1	A12-1'	5/5/2016	67-66-3	Chloroform	ND	µg/kg	1
A12	1	A12-1'	5/5/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
A12	1	A12-1'	5/5/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
A12	1	A12-1'	5/5/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
A12	1	A12-1'	5/5/2016	74-95-3	Dibromomethane	ND	µg/kg	1
A12	1	A12-1'	5/5/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
A12	1	A12-1'	5/5/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
A12	1	A12-1'	5/5/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
A12	1	A12-1'	5/5/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
A12	1	A12-1'	5/5/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
A12	1	A12-1'	5/5/2016	76-13-1	Freon 113	ND	µg/kg	5
A12	1	A12-1'	5/5/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
A12	1	A12-1'	5/5/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
A12	1	A12-1'	5/5/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
A12	1	A12-1'	5/5/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
A12	1	A12-1'	5/5/2016	91-20-3	Naphthalene	ND	µg/kg	1
A12	1	A12-1'	5/5/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
A12	1	A12-1'	5/5/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
A12	1	A12-1'	5/5/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
A12	1	A12-1'	5/5/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
A12	1	A12-1'	5/5/2016	100-42-5	Styrene	ND	µg/kg	1
A12	1	A12-1'	5/5/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
A12	1	A12-1'	5/5/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
A12	1	A12-1'	5/5/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
A12	1	A12-1'	5/5/2016	127-18-4	Tetrachloroethylene	ND	µg/kg	1
A12	1	A12-1'	5/5/2016	108-88-3	Toluene	ND	µg/kg	1
A12	1	A12-1'	5/5/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
A12	1	A12-1'	5/5/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
A12	1	A12-1'	5/5/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
A12	1	A12-1'	5/5/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
A12	1	A12-1'	5/5/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
A12	1	A12-1'	5/5/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
A12	1	A12-1'	5/5/2016	108-38-3	Xylenes	ND	µg/kg	1
A12	5	A12-5'	5/5/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
A12	5	A12-5'	5/5/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
A12	5	A12-5'	5/5/2016	7440-39-3	Barium, Ba	246	mg/kg	0.5
A12	5	A12-5'	5/5/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
A12	5	A12-5'	5/5/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
A12	5	A12-5'	5/5/2016	7440-48-4	Cobalt, Co	20.6	mg/kg	0.5

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
A12	5	A12-5'	5/5/2016	7440-47-3	Chromium, Cr	37.7	mg/kg	0.5
A12	5	A12-5'	5/5/2016	7440-50-8	Copper, Cu	45.5	mg/kg	0.5
A12	5	A12-5'	5/5/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
A12	5	A12-5'	5/5/2016	7440-02-0	Nickel, Ni	27.9	mg/kg	0.5
A12	5	A12-5'	5/5/2016	7439-92-1	Lead, Pb	4.2	mg/kg	0.5
A12	5	A12-5'	5/5/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
A12	5	A12-5'	5/5/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
A12	5	A12-5'	5/5/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
A12	5	A12-5'	5/5/2016	7440-62-2	Vanadium, V	75	mg/kg	0.5
A12	5	A12-5'	5/5/2016	7440-66-6	Zinc, Zn	79.2	mg/kg	0.5
A12	5	A12-5'	5/5/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
A12	5	A12-5'	5/5/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
A12	5	A12-5'	5/5/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
A12	5	A12-5'	5/5/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
A12	5	A12-5'	5/5/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
A12	5	A12-5'	5/5/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
A12	5	A12-5'	5/5/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
A12	5	A12-5'	5/5/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
A12	5	A12-5'	5/5/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
A12	5	A12-5'	5/5/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
A12	5	A12-5'	5/5/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
A12	5	A12-5'	5/5/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
A12	5	A12-5'	5/5/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
A12	5	A12-5'	5/5/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
A12	5	A12-5'	5/5/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
A12	5	A12-5'	5/5/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
A12	5	A12-5'	5/5/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
A12	5	A12-5'	5/5/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
A12	5	A12-5'	5/5/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
A12	5	A12-5'	5/5/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
A12	5	A12-5'	5/5/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
A12	5	A12-5'	5/5/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
A12	5	A12-5'	5/5/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
A12	5	A12-5'	5/5/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
A12	5	A12-5'	5/5/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
A12	5	A12-5'	5/5/2016	71-43-2	Benzene	ND	µg/kg	1
A12	5	A12-5'	5/5/2016	108-86-1	Bromobenzene	ND	µg/kg	1
A12	5	A12-5'	5/5/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
A12	5	A12-5'	5/5/2016	75-25-2	Bromoform	ND	µg/kg	1
A12	5	A12-5'	5/5/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
A12	5	A12-5'	5/5/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
A12	5	A12-5'	5/5/2016	67-66-3	Chloroform	ND	µg/kg	1
A12	5	A12-5'	5/5/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
A12	5	A12-5'	5/5/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
A12	5	A12-5'	5/5/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
A12	5	A12-5'	5/5/2016	74-95-3	Dibromomethane	ND	µg/kg	1
A12	5	A12-5'	5/5/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
A12	5	A12-5'	5/5/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
A12	5	A12-5'	5/5/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
A12	5	A12-5'	5/5/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
A12	5	A12-5'	5/5/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
A12	5	A12-5'	5/5/2016	76-13-1	Freon 113	ND	µg/kg	5
A12	5	A12-5'	5/5/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
A12	5	A12-5'	5/5/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
A12	5	A12-5'	5/5/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
A12	5	A12-5'	5/5/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
A12	5	A12-5'	5/5/2016	91-20-3	Naphthalene	ND	µg/kg	1
A12	5	A12-5'	5/5/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
A12	5	A12-5'	5/5/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
A12	5	A12-5'	5/5/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
A12	5	A12-5'	5/5/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
A12	5	A12-5'	5/5/2016	100-42-5	Styrene	ND	µg/kg	1
A12	5	A12-5'	5/5/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
A12	5	A12-5'	5/5/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
A12	5	A12-5'	5/5/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
A12	5	A12-5'	5/5/2016	127-18-4	Tetrachloroethylene	ND	µg/kg	1
A12	5	A12-5'	5/5/2016	108-88-3	Toluene	ND	µg/kg	1
A12	5	A12-5'	5/5/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
A12	5	A12-5'	5/5/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
A12	5	A12-5'	5/5/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
A12	5	A12-5'	5/5/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
A12	5	A12-5'	5/5/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
A12	5	A12-5'	5/5/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
A12	5	A12-5'	5/5/2016	108-38-3	Xylenes	ND	µg/kg	1

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
A12	11	A12-11'	5/5/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
A12	11	A12-11'	5/5/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
A12	11	A12-11'	5/5/2016	7440-39-3	Barium, Ba	241	mg/kg	0.5
A12	11	A12-11'	5/5/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
A12	11	A12-11'	5/5/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
A12	11	A12-11'	5/5/2016	7440-48-4	Cobalt, Co	20	mg/kg	0.5
A12	11	A12-11'	5/5/2016	7440-47-3	Chromium, Cr	35.5	mg/kg	0.5
A12	11	A12-11'	5/5/2016	7440-50-8	Copper, Cu	42.4	mg/kg	0.5
A12	11	A12-11'	5/5/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
A12	11	A12-11'	5/5/2016	7440-02-0	Nickel, Ni	25.7	mg/kg	0.5
A12	11	A12-11'	5/5/2016	7439-92-1	Lead, Pb	4.2	mg/kg	0.5
A12	11	A12-11'	5/5/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
A12	11	A12-11'	5/5/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
A12	11	A12-11'	5/5/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
A12	11	A12-11'	5/5/2016	7440-62-2	Vanadium, V	77.9	mg/kg	0.5
A12	11	A12-11'	5/5/2016	7440-66-6	Zinc, Zn	84.5	mg/kg	0.5
A12	11	A12-11'	5/5/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
A12	11	A12-11'	5/5/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
A12	11	A12-11'	5/5/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
A12	11	A12-11'	5/5/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
A12	11	A12-11'	5/5/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
A12	11	A12-11'	5/5/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
A12	11	A12-11'	5/5/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
A12	11	A12-11'	5/5/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
A12	11	A12-11'	5/5/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
A12	11	A12-11'	5/5/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
A12	11	A12-11'	5/5/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
A12	11	A12-11'	5/5/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
A12	11	A12-11'	5/5/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
A12	11	A12-11'	5/5/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
A12	11	A12-11'	5/5/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
A12	11	A12-11'	5/5/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
A12	11	A12-11'	5/5/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
A12	11	A12-11'	5/5/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
A12	11	A12-11'	5/5/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
A12	11	A12-11'	5/5/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
A12	11	A12-11'	5/5/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
A12	11	A12-11'	5/5/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
A12	11	A12-11'	5/5/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
A12	11	A12-11'	5/5/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
A12	11	A12-11'	5/5/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
A12	11	A12-11'	5/5/2016	71-43-2	Benzene	ND	µg/kg	1
A12	11	A12-11'	5/5/2016	108-86-1	Bromobenzene	ND	µg/kg	1
A12	11	A12-11'	5/5/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
A12	11	A12-11'	5/5/2016	75-25-2	Bromoform	ND	µg/kg	1
A12	11	A12-11'	5/5/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
A12	11	A12-11'	5/5/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
A12	11	A12-11'	5/5/2016	67-66-3	Chloroform	ND	µg/kg	1
A12	11	A12-11'	5/5/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
A12	11	A12-11'	5/5/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
A12	11	A12-11'	5/5/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
A12	11	A12-11'	5/5/2016	74-95-3	Dibromomethane	ND	µg/kg	1
A12	11	A12-11'	5/5/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
A12	11	A12-11'	5/5/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
A12	11	A12-11'	5/5/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
A12	11	A12-11'	5/5/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
A12	11	A12-11'	5/5/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
A12	11	A12-11'	5/5/2016	76-13-1	Freon 113	ND	µg/kg	5
A12	11	A12-11'	5/5/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
A12	11	A12-11'	5/5/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
A12	11	A12-11'	5/5/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
A12	11	A12-11'	5/5/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
A12	11	A12-11'	5/5/2016	91-20-3	Naphthalene	ND	µg/kg	1
A12	11	A12-11'	5/5/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
A12	11	A12-11'	5/5/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
A12	11	A12-11'	5/5/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
A12	11	A12-11'	5/5/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
A12	11	A12-11'	5/5/2016	100-42-5	Styrene	ND	µg/kg	1
A12	11	A12-11'	5/5/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
A12	11	A12-11'	5/5/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
A12	11	A12-11'	5/5/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
A12	11	A12-11'	5/5/2016	127-18-4	Tetrachloroethylene	ND	µg/kg	1
A12	11	A12-11'	5/5/2016	108-88-3	Toluene	ND	µg/kg	1
A12	11	A12-11'	5/5/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
A12	11	A12-11'	5/5/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
A12	11	A12-11'	5/5/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
A12	11	A12-11'	5/5/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
A12	11	A12-11'	5/5/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
A12	11	A12-11'	5/5/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
A12	11	A12-11'	5/5/2016	108-38-3	Xylenes	ND	µg/kg	1
A13	1	A13-1'	5/5/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
A13	1	A13-1'	5/5/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
A13	1	A13-1'	5/5/2016	7440-39-3	Barium, Ba	210	mg/kg	0.5
A13	1	A13-1'	5/5/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
A13	1	A13-1'	5/5/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
A13	1	A13-1'	5/5/2016	7440-48-4	Cobalt, Co	17.6	mg/kg	0.5
A13	1	A13-1'	5/5/2016	7440-47-3	Chromium, Cr	30.2	mg/kg	0.5
A13	1	A13-1'	5/5/2016	7440-50-8	Copper, Cu	36.2	mg/kg	0.5
A13	1	A13-1'	5/5/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
A13	1	A13-1'	5/5/2016	7440-02-0	Nickel, Ni	21.8	mg/kg	0.5
A13	1	A13-1'	5/5/2016	7439-92-1	Lead, Pb	4	mg/kg	0.5
A13	1	A13-1'	5/5/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
A13	1	A13-1'	5/5/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
A13	1	A13-1'	5/5/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
A13	1	A13-1'	5/5/2016	7440-62-2	Vanadium, V	66.6	mg/kg	0.5
A13	1	A13-1'	5/5/2016	7440-66-6	Zinc, Zn	77.5	mg/kg	0.5
A13	1	A13-1'	5/5/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
A13	1	A13-1'	5/5/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
A13	1	A13-1'	5/5/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
A13	1	A13-1'	5/5/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
A13	1	A13-1'	5/5/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
A13	1	A13-1'	5/5/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
A13	1	A13-1'	5/5/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
A13	1	A13-1'	5/5/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
A13	1	A13-1'	5/5/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
A13	1	A13-1'	5/5/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
A13	1	A13-1'	5/5/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
A13	1	A13-1'	5/5/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
A13	1	A13-1'	5/5/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
A13	1	A13-1'	5/5/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
A13	1	A13-1'	5/5/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
A13	1	A13-1'	5/5/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
A13	1	A13-1'	5/5/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
A13	1	A13-1'	5/5/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
A13	1	A13-1'	5/5/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
A13	1	A13-1'	5/5/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
A13	1	A13-1'	5/5/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
A13	1	A13-1'	5/5/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
A13	1	A13-1'	5/5/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
A13	1	A13-1'	5/5/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
A13	1	A13-1'	5/5/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
A13	1	A13-1'	5/5/2016	71-43-2	Benzene	ND	µg/kg	1
A13	1	A13-1'	5/5/2016	108-86-1	Bromobenzene	ND	µg/kg	1
A13	1	A13-1'	5/5/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
A13	1	A13-1'	5/5/2016	75-25-2	Bromoform	ND	µg/kg	1
A13	1	A13-1'	5/5/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
A13	1	A13-1'	5/5/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
A13	1	A13-1'	5/5/2016	67-66-3	Chloroform	ND	µg/kg	1
A13	1	A13-1'	5/5/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
A13	1	A13-1'	5/5/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
A13	1	A13-1'	5/5/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
A13	1	A13-1'	5/5/2016	74-95-3	Dibromomethane	ND	µg/kg	1
A13	1	A13-1'	5/5/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
A13	1	A13-1'	5/5/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
A13	1	A13-1'	5/5/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
A13	1	A13-1'	5/5/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
A13	1	A13-1'	5/5/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
A13	1	A13-1'	5/5/2016	76-13-1	Freon 113	ND	µg/kg	5
A13	1	A13-1'	5/5/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
A13	1	A13-1'	5/5/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
A13	1	A13-1'	5/5/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
A13	1	A13-1'	5/5/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
A13	1	A13-1'	5/5/2016	91-20-3	Naphthalene	ND	µg/kg	1
A13	1	A13-1'	5/5/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
A13	1	A13-1'	5/5/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
A13	1	A13-1'	5/5/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
A13	1	A13-1'	5/5/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
A13	1	A13-1'	5/5/2016	100-42-5	Styrene	ND	µg/kg	1

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
A13	1	A13-1'	5/5/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
A13	1	A13-1'	5/5/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
A13	1	A13-1'	5/5/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
A13	1	A13-1'	5/5/2016	127-18-4	Tetrachloroethylene	ND	µg/kg	1
A13	1	A13-1'	5/5/2016	108-88-3	Toluene	ND	µg/kg	1
A13	1	A13-1'	5/5/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
A13	1	A13-1'	5/5/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
A13	1	A13-1'	5/5/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
A13	1	A13-1'	5/5/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
A13	1	A13-1'	5/5/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
A13	1	A13-1'	5/5/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
A13	1	A13-1'	5/5/2016	108-38-3	Xylenes	ND	µg/kg	1
A13	5	A13-5'	5/5/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
A13	5	A13-5'	5/5/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
A13	5	A13-5'	5/5/2016	7440-39-3	Barium, Ba	248	mg/kg	0.5
A13	5	A13-5'	5/5/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
A13	5	A13-5'	5/5/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
A13	5	A13-5'	5/5/2016	7440-48-4	Cobalt, Co	21	mg/kg	0.5
A13	5	A13-5'	5/5/2016	7440-47-3	Chromium, Cr	35.4	mg/kg	0.5
A13	5	A13-5'	5/5/2016	7440-50-8	Copper, Cu	41.8	mg/kg	0.5
A13	5	A13-5'	5/5/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
A13	5	A13-5'	5/5/2016	7440-02-0	Nickel, Ni	27.4	mg/kg	0.5
A13	5	A13-5'	5/5/2016	7439-92-1	Lead, Pb	4.1	mg/kg	0.5
A13	5	A13-5'	5/5/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
A13	5	A13-5'	5/5/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
A13	5	A13-5'	5/5/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
A13	5	A13-5'	5/5/2016	7440-62-2	Vanadium, V	75.1	mg/kg	0.5
A13	5	A13-5'	5/5/2016	7440-66-6	Zinc, Zn	81.8	mg/kg	0.5
A13	5	A13-5'	5/5/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
A13	5	A13-5'	5/5/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
A13	5	A13-5'	5/5/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
A13	5	A13-5'	5/5/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
A13	5	A13-5'	5/5/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
A13	5	A13-5'	5/5/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
A13	5	A13-5'	5/5/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
A13	5	A13-5'	5/5/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
A13	5	A13-5'	5/5/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
A13	5	A13-5'	5/5/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
A13	5	A13-5'	5/5/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
A13	5	A13-5'	5/5/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
A13	5	A13-5'	5/5/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
A13	5	A13-5'	5/5/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
A13	5	A13-5'	5/5/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
A13	5	A13-5'	5/5/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
A13	5	A13-5'	5/5/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
A13	5	A13-5'	5/5/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
A13	5	A13-5'	5/5/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
A13	5	A13-5'	5/5/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
A13	5	A13-5'	5/5/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
A13	5	A13-5'	5/5/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
A13	5	A13-5'	5/5/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
A13	5	A13-5'	5/5/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
A13	5	A13-5'	5/5/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
A13	5	A13-5'	5/5/2016	71-43-2	Benzene	ND	µg/kg	1
A13	5	A13-5'	5/5/2016	108-86-1	Bromobenzene	ND	µg/kg	1
A13	5	A13-5'	5/5/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
A13	5	A13-5'	5/5/2016	75-25-2	Bromoform	ND	µg/kg	1
A13	5	A13-5'	5/5/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
A13	5	A13-5'	5/5/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
A13	5	A13-5'	5/5/2016	67-66-3	Chloroform	ND	µg/kg	1
A13	5	A13-5'	5/5/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
A13	5	A13-5'	5/5/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
A13	5	A13-5'	5/5/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
A13	5	A13-5'	5/5/2016	74-95-3	Dibromomethane	ND	µg/kg	1
A13	5	A13-5'	5/5/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
A13	5	A13-5'	5/5/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
A13	5	A13-5'	5/5/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
A13	5	A13-5'	5/5/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
A13	5	A13-5'	5/5/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
A13	5	A13-5'	5/5/2016	76-13-1	Freon 113	ND	µg/kg	5
A13	5	A13-5'	5/5/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
A13	5	A13-5'	5/5/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
A13	5	A13-5'	5/5/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
A13	5	A13-5'	5/5/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
A13	5	A13-5'	5/5/2016	91-20-3	Naphthalene	ND	µg/kg	1
A13	5	A13-5'	5/5/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
A13	5	A13-5'	5/5/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
A13	5	A13-5'	5/5/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
A13	5	A13-5'	5/5/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
A13	5	A13-5'	5/5/2016	100-42-5	Styrene	ND	µg/kg	1
A13	5	A13-5'	5/5/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
A13	5	A13-5'	5/5/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
A13	5	A13-5'	5/5/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
A13	5	A13-5'	5/5/2016	127-18-4	Tetrachloroethylene	ND	µg/kg	1
A13	5	A13-5'	5/5/2016	108-88-3	Toluene	ND	µg/kg	1
A13	5	A13-5'	5/5/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
A13	5	A13-5'	5/5/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
A13	5	A13-5'	5/5/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
A13	5	A13-5'	5/5/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
A13	5	A13-5'	5/5/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
A13	5	A13-5'	5/5/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
A13	5	A13-5'	5/5/2016	108-38-3	Xylenes	ND	µg/kg	1
A13	11	A13-11'	5/5/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
A13	11	A13-11'	5/5/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
A13	11	A13-11'	5/5/2016	7440-39-3	Barium, Ba	211	mg/kg	0.5
A13	11	A13-11'	5/5/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
A13	11	A13-11'	5/5/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
A13	11	A13-11'	5/5/2016	7440-48-4	Cobalt, Co	18.5	mg/kg	0.5
A13	11	A13-11'	5/5/2016	7440-47-3	Chromium, Cr	31.8	mg/kg	0.5
A13	11	A13-11'	5/5/2016	7440-50-8	Copper, Cu	33.6	mg/kg	0.5
A13	11	A13-11'	5/5/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
A13	11	A13-11'	5/5/2016	7440-02-0	Nickel, Ni	22.8	mg/kg	0.5
A13	11	A13-11'	5/5/2016	7439-92-1	Lead, Pb	3.2	mg/kg	0.5
A13	11	A13-11'	5/5/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
A13	11	A13-11'	5/5/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
A13	11	A13-11'	5/5/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
A13	11	A13-11'	5/5/2016	7440-62-2	Vanadium, V	68.4	mg/kg	0.5
A13	11	A13-11'	5/5/2016	7440-66-6	Zinc, Zn	76.7	mg/kg	0.5
A13	11	A13-11'	5/5/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
A13	11	A13-11'	5/5/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
A13	11	A13-11'	5/5/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
A13	11	A13-11'	5/5/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
A13	11	A13-11'	5/5/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
A13	11	A13-11'	5/5/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
A13	11	A13-11'	5/5/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
A13	11	A13-11'	5/5/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
A13	11	A13-11'	5/5/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
A13	11	A13-11'	5/5/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
A13	11	A13-11'	5/5/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
A13	11	A13-11'	5/5/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
A13	11	A13-11'	5/5/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
A13	11	A13-11'	5/5/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
A13	11	A13-11'	5/5/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
A13	11	A13-11'	5/5/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
A13	11	A13-11'	5/5/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
A13	11	A13-11'	5/5/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
A13	11	A13-11'	5/5/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
A13	11	A13-11'	5/5/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
A13	11	A13-11'	5/5/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
A13	11	A13-11'	5/5/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
A13	11	A13-11'	5/5/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
A13	11	A13-11'	5/5/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
A13	11	A13-11'	5/5/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
A13	11	A13-11'	5/5/2016	71-43-2	Benzene	ND	µg/kg	1
A13	11	A13-11'	5/5/2016	108-86-1	Bromobenzene	ND	µg/kg	1
A13	11	A13-11'	5/5/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
A13	11	A13-11'	5/5/2016	75-25-2	Bromoform	ND	µg/kg	1
A13	11	A13-11'	5/5/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
A13	11	A13-11'	5/5/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
A13	11	A13-11'	5/5/2016	67-66-3	Chloroform	ND	µg/kg	1
A13	11	A13-11'	5/5/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
A13	11	A13-11'	5/5/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
A13	11	A13-11'	5/5/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
A13	11	A13-11'	5/5/2016	74-95-3	Dibromomethane	ND	µg/kg	1
A13	11	A13-11'	5/5/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
A13	11	A13-11'	5/5/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
A13	11	A13-11'	5/5/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
A13	11	A13-11'	5/5/2016	100-41-4	Ethylbenzene	ND	µg/kg	1

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
A13	11	A13-11'	5/5/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
A13	11	A13-11'	5/5/2016	76-13-1	Freon 113	ND	µg/kg	5
A13	11	A13-11'	5/5/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
A13	11	A13-11'	5/5/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
A13	11	A13-11'	5/5/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
A13	11	A13-11'	5/5/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
A13	11	A13-11'	5/5/2016	91-20-3	Naphthalene	ND	µg/kg	1
A13	11	A13-11'	5/5/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
A13	11	A13-11'	5/5/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
A13	11	A13-11'	5/5/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
A13	11	A13-11'	5/5/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
A13	11	A13-11'	5/5/2016	100-42-5	Styrene	ND	µg/kg	1
A13	11	A13-11'	5/5/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
A13	11	A13-11'	5/5/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
A13	11	A13-11'	5/5/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
A13	11	A13-11'	5/5/2016	127-18-4	Tetrachloroethylene	ND	µg/kg	1
A13	11	A13-11'	5/5/2016	108-88-3	Toluene	ND	µg/kg	1
A13	11	A13-11'	5/5/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
A13	11	A13-11'	5/5/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
A13	11	A13-11'	5/5/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
A13	11	A13-11'	5/5/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
A13	11	A13-11'	5/5/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
A13	11	A13-11'	5/5/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
A13	11	A13-11'	5/5/2016	108-38-3	Xylenes	ND	µg/kg	1
B1	1	B1-1'	5/4/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
B1	1	B1-1'	5/4/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
B1	1	B1-1'	5/4/2016	7440-39-3	Barium, Ba	151	mg/kg	0.5
B1	1	B1-1'	5/4/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
B1	1	B1-1'	5/4/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
B1	1	B1-1'	5/4/2016	7440-48-4	Cobalt, Co	11.9	mg/kg	0.5
B1	1	B1-1'	5/4/2016	7440-47-3	Chromium, Cr	21.4	mg/kg	0.5
B1	1	B1-1'	5/4/2016	7440-50-8	Copper, Cu	27	mg/kg	0.5
B1	1	B1-1'	5/4/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
B1	1	B1-1'	5/4/2016	7440-02-0	Nickel, Ni	15.3	mg/kg	0.5
B1	1	B1-1'	5/4/2016	7439-92-1	Lead, Pb	6.8	mg/kg	0.5
B1	1	B1-1'	5/4/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
B1	1	B1-1'	5/4/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
B1	1	B1-1'	5/4/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
B1	1	B1-1'	5/4/2016	7440-62-2	Vanadium, V	47.2	mg/kg	0.5
B1	1	B1-1'	5/4/2016	7440-66-6	Zinc, Zn	64.7	mg/kg	0.5
B1	1	B1-1'	5/4/2016	7439-97-6	Mercury, Hg	0.02	mg/kg	0.02
B1	1	B1-1'	5/4/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
B1	1	B1-1'	5/4/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
B1	1	B1-1'	5/4/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
B1	1	B1-1'	5/4/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
B1	1	B1-1'	5/4/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
B1	1	B1-1'	5/4/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
B1	1	B1-1'	5/4/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
B1	1	B1-1'	5/4/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
B1	1	B1-1'	5/4/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
B1	1	B1-1'	5/4/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
B1	1	B1-1'	5/4/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
B1	1	B1-1'	5/4/2016	96-12-8	1,2-Dibromo-3-chloropropane	ND	µg/kg	1
B1	1	B1-1'	5/4/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
B1	1	B1-1'	5/4/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
B1	1	B1-1'	5/4/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
B1	1	B1-1'	5/4/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
B1	1	B1-1'	5/4/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
B1	1	B1-1'	5/4/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
B1	1	B1-1'	5/4/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
B1	1	B1-1'	5/4/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
B1	1	B1-1'	5/4/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
B1	1	B1-1'	5/4/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
B1	1	B1-1'	5/4/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
B1	1	B1-1'	5/4/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
B1	1	B1-1'	5/4/2016	71-43-2	Benzene	ND	µg/kg	1
B1	1	B1-1'	5/4/2016	108-86-1	Bromobenzene	ND	µg/kg	1
B1	1	B1-1'	5/4/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
B1	1	B1-1'	5/4/2016	75-25-2	Bromoform	ND	µg/kg	1
B1	1	B1-1'	5/4/2016	56-23-5	Carbon tetrachloride	ND	µg/kg	1
B1	1	B1-1'	5/4/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
B1	1	B1-1'	5/4/2016	67-66-3	Chloroform	ND	µg/kg	1
B1	1	B1-1'	5/4/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
B1	1	B1-1'	5/4/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
B1	1	B1-1'	5/4/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
B1	1	B1-1'	5/4/2016	74-95-3	Dibromomethane	ND	µg/kg	1
B1	1	B1-1'	5/4/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
B1	1	B1-1'	5/4/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
B1	1	B1-1'	5/4/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
B1	1	B1-1'	5/4/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
B1	1	B1-1'	5/4/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
B1	1	B1-1'	5/4/2016	76-13-1	Freon 113	ND	µg/kg	5
B1	1	B1-1'	5/4/2016	N/A	Gasoline Range Organics	ND	µg/kg	0.2
B1	1	B1-1'	5/4/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
B1	1	B1-1'	5/4/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
B1	1	B1-1'	5/4/2016	75-09-2	Methylene chloride	ND	µg/kg	1
B1	1	B1-1'	5/4/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
B1	1	B1-1'	5/4/2016	91-20-3	Naphthalene	ND	µg/kg	1
B1	1	B1-1'	5/4/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
B1	1	B1-1'	5/4/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
B1	1	B1-1'	5/4/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
B1	1	B1-1'	5/4/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
B1	1	B1-1'	5/4/2016	100-42-5	Styrene	ND	µg/kg	1
B1	1	B1-1'	5/4/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
B1	1	B1-1'	5/4/2016	75-65-0	Tert-Butylalcohol (TBA)	ND	µg/kg	50
B1	1	B1-1'	5/4/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
B1	1	B1-1'	5/4/2016	127-18-4	Tetrachloroethylene	ND	µg/kg	1
B1	1	B1-1'	5/4/2016	108-88-3	Toluene	ND	µg/kg	1
B1	1	B1-1'	5/4/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
B1	1	B1-1'	5/4/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
B1	1	B1-1'	5/4/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
B1	1	B1-1'	5/4/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
B1	1	B1-1'	5/4/2016	75-01-4	Vinyl chloride	ND	µg/kg	1
B1	1	B1-1'	5/4/2016	108-38-3	Xylenes	ND	µg/kg	1
B1	4.5	B1-4.5'	5/4/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
B1	4.5	B1-4.5'	5/4/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
B1	4.5	B1-4.5'	5/4/2016	7440-39-3	Barium, Ba	128	mg/kg	0.5
B1	4.5	B1-4.5'	5/4/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
B1	4.5	B1-4.5'	5/4/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
B1	4.5	B1-4.5'	5/4/2016	7440-48-4	Cobalt, Co	10.4	mg/kg	0.5
B1	4.5	B1-4.5'	5/4/2016	7440-47-3	Chromium, Cr	20.1	mg/kg	0.5
B1	4.5	B1-4.5'	5/4/2016	7440-50-8	Copper, Cu	22.9	mg/kg	0.5
B1	4.5	B1-4.5'	5/4/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
B1	4.5	B1-4.5'	5/4/2016	7440-02-0	Nickel, Ni	14.1	mg/kg	0.5
B1	4.5	B1-4.5'	5/4/2016	7439-92-1	Lead, Pb	5.5	mg/kg	0.5
B1	4.5	B1-4.5'	5/4/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
B1	4.5	B1-4.5'	5/4/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
B1	4.5	B1-4.5'	5/4/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
B1	4.5	B1-4.5'	5/4/2016	7440-62-2	Vanadium, V	42.9	mg/kg	0.5
B1	4.5	B1-4.5'	5/4/2016	7440-66-6	Zinc, Zn	55.2	mg/kg	0.5
B1	4.5	B1-4.5'	5/4/2016	7439-97-6	Mercury, Hg	0.037	mg/kg	0.02
B1	4.5	B1-4.5'	5/4/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
B1	4.5	B1-4.5'	5/4/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
B1	4.5	B1-4.5'	5/4/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
B1	4.5	B1-4.5'	5/4/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
B1	4.5	B1-4.5'	5/4/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
B1	4.5	B1-4.5'	5/4/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
B1	4.5	B1-4.5'	5/4/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
B1	4.5	B1-4.5'	5/4/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
B1	4.5	B1-4.5'	5/4/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
B1	4.5	B1-4.5'	5/4/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
B1	4.5	B1-4.5'	5/4/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
B1	4.5	B1-4.5'	5/4/2016	96-12-8	1,2-Dibromo-3-chloropropane	ND	µg/kg	1
B1	4.5	B1-4.5'	5/4/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
B1	4.5	B1-4.5'	5/4/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
B1	4.5	B1-4.5'	5/4/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
B1	4.5	B1-4.5'	5/4/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
B1	4.5	B1-4.5'	5/4/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
B1	4.5	B1-4.5'	5/4/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
B1	4.5	B1-4.5'	5/4/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
B1	4.5	B1-4.5'	5/4/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
B1	4.5	B1-4.5'	5/4/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
B1	4.5	B1-4.5'	5/4/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
B1	4.5	B1-4.5'	5/4/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
B1	4.5	B1-4.5'	5/4/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
B1	4.5	B1-4.5'	5/4/2016	71-43-2	Benzene	ND	µg/kg	1
B1	4.5	B1-4.5'	5/4/2016	108-86-1	Bromobenzene	ND	µg/kg	1
B1	4.5	B1-4.5'	5/4/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
B1	4.5	B1-4.5'	5/4/2016	75-25-2	Bromoform	ND	µg/kg	1
B1	4.5	B1-4.5'	5/4/2016	56-23-5	Carbon tetrachloride	ND	µg/kg	1
B1	4.5	B1-4.5'	5/4/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
B1	4.5	B1-4.5'	5/4/2016	67-66-3	Chloroform	ND	µg/kg	1
B1	4.5	B1-4.5'	5/4/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
B1	4.5	B1-4.5'	5/4/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
B1	4.5	B1-4.5'	5/4/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
B1	4.5	B1-4.5'	5/4/2016	74-95-3	Dibromomethane	ND	µg/kg	1
B1	4.5	B1-4.5'	5/4/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
B1	4.5	B1-4.5'	5/4/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
B1	4.5	B1-4.5'	5/4/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
B1	4.5	B1-4.5'	5/4/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
B1	4.5	B1-4.5'	5/4/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
B1	4.5	B1-4.5'	5/4/2016	76-13-1	Freon 113	ND	µg/kg	5
B1	4.5	B1-4.5'	5/4/2016	N/A	Gasoline Range Organics	ND	µg/kg	0.2
B1	4.5	B1-4.5'	5/4/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
B1	4.5	B1-4.5'	5/4/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
B1	4.5	B1-4.5'	5/4/2016	75-09-2	Methylene chloride	ND	µg/kg	1
B1	4.5	B1-4.5'	5/4/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
B1	4.5	B1-4.5'	5/4/2016	91-20-3	Naphthalene	ND	µg/kg	1
B1	4.5	B1-4.5'	5/4/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
B1	4.5	B1-4.5'	5/4/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
B1	4.5	B1-4.5'	5/4/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
B1	4.5	B1-4.5'	5/4/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
B1	4.5	B1-4.5'	5/4/2016	100-42-5	Styrene	ND	µg/kg	1
B1	4.5	B1-4.5'	5/4/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
B1	4.5	B1-4.5'	5/4/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
B1	4.5	B1-4.5'	5/4/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
B1	4.5	B1-4.5'	5/4/2016	127-18-4	Tetrachloroethylene	27	µg/kg	1
B1	4.5	B1-4.5'	5/4/2016	108-88-3	Toluene	ND	µg/kg	1
B1	4.5	B1-4.5'	5/4/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
B1	4.5	B1-4.5'	5/4/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
B1	4.5	B1-4.5'	5/4/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
B1	4.5	B1-4.5'	5/4/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
B1	4.5	B1-4.5'	5/4/2016	75-01-4	Vinyl chloride	ND	µg/kg	1
B1	4.5	B1-4.5'	5/4/2016	108-38-3	Xylenes	ND	µg/kg	1
B1	8.5	B1-8.5'	5/4/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
B1	8.5	B1-8.5'	5/4/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
B1	8.5	B1-8.5'	5/4/2016	7440-39-3	Barium, Ba	156	mg/kg	0.5
B1	8.5	B1-8.5'	5/4/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
B1	8.5	B1-8.5'	5/4/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
B1	8.5	B1-8.5'	5/4/2016	7440-48-4	Cobalt, Co	14	mg/kg	0.5
B1	8.5	B1-8.5'	5/4/2016	7440-47-3	Chromium, Cr	27.3	mg/kg	0.5
B1	8.5	B1-8.5'	5/4/2016	7440-50-8	Copper, Cu	24.6	mg/kg	0.5
B1	8.5	B1-8.5'	5/4/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
B1	8.5	B1-8.5'	5/4/2016	7440-02-0	Nickel, Ni	17.9	mg/kg	0.5
B1	8.5	B1-8.5'	5/4/2016	7439-92-1	Lead, Pb	6.5	mg/kg	0.5
B1	8.5	B1-8.5'	5/4/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
B1	8.5	B1-8.5'	5/4/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
B1	8.5	B1-8.5'	5/4/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
B1	8.5	B1-8.5'	5/4/2016	7440-62-2	Vanadium, V	57.5	mg/kg	0.5
B1	8.5	B1-8.5'	5/4/2016	7440-66-6	Zinc, Zn	63.2	mg/kg	0.5
B1	8.5	B1-8.5'	5/4/2016	7439-97-6	Mercury, Hg	0.05	mg/kg	0.02
B1	8.5	B1-8.5'	5/4/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
B1	8.5	B1-8.5'	5/4/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
B1	8.5	B1-8.5'	5/4/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
B1	8.5	B1-8.5'	5/4/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
B1	8.5	B1-8.5'	5/4/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
B1	8.5	B1-8.5'	5/4/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
B1	8.5	B1-8.5'	5/4/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
B1	8.5	B1-8.5'	5/4/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
B1	8.5	B1-8.5'	5/4/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
B1	8.5	B1-8.5'	5/4/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
B1	8.5	B1-8.5'	5/4/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
B1	8.5	B1-8.5'	5/4/2016	96-12-8	1,2-Dibromo-3-chloropropane	ND	µg/kg	1
B1	8.5	B1-8.5'	5/4/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
B1	8.5	B1-8.5'	5/4/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
B1	8.5	B1-8.5'	5/4/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
B1	8.5	B1-8.5'	5/4/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
B1	8.5	B1-8.5'	5/4/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
B1	8.5	B1-8.5'	5/4/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
B1	8.5	B1-8.5'	5/4/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
B1	8.5	B1-8.5'	5/4/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
B1	8.5	B1-8.5'	5/4/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
B1	8.5	B1-8.5'	5/4/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
B1	8.5	B1-8.5'	5/4/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
B1	8.5	B1-8.5'	5/4/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
B1	8.5	B1-8.5'	5/4/2016	71-43-2	Benzene	ND	µg/kg	1
B1	8.5	B1-8.5'	5/4/2016	108-86-1	Bromobenzene	ND	µg/kg	1
B1	8.5	B1-8.5'	5/4/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
B1	8.5	B1-8.5'	5/4/2016	75-25-2	Bromoform	ND	µg/kg	1
B1	8.5	B1-8.5'	5/4/2016	56-23-5	Carbon tetrachloride	ND	µg/kg	1
B1	8.5	B1-8.5'	5/4/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
B1	8.5	B1-8.5'	5/4/2016	67-66-3	Chloroform	ND	µg/kg	1
B1	8.5	B1-8.5'	5/4/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
B1	8.5	B1-8.5'	5/4/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
B1	8.5	B1-8.5'	5/4/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
B1	8.5	B1-8.5'	5/4/2016	74-95-3	Dibromomethane	ND	µg/kg	1
B1	8.5	B1-8.5'	5/4/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
B1	8.5	B1-8.5'	5/4/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
B1	8.5	B1-8.5'	5/4/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
B1	8.5	B1-8.5'	5/4/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
B1	8.5	B1-8.5'	5/4/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
B1	8.5	B1-8.5'	5/4/2016	76-13-1	Freon 113	ND	µg/kg	5
B1	8.5	B1-8.5'	5/4/2016	N/A	Gasoline Range Organics	ND	µg/kg	0.2
B1	8.5	B1-8.5'	5/4/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
B1	8.5	B1-8.5'	5/4/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
B1	8.5	B1-8.5'	5/4/2016	75-09-2	Methylene chloride	ND	µg/kg	1
B1	8.5	B1-8.5'	5/4/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
B1	8.5	B1-8.5'	5/4/2016	91-20-3	Naphthalene	ND	µg/kg	1
B1	8.5	B1-8.5'	5/4/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
B1	8.5	B1-8.5'	5/4/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
B1	8.5	B1-8.5'	5/4/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
B1	8.5	B1-8.5'	5/4/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
B1	8.5	B1-8.5'	5/4/2016	100-42-5	Styrene	ND	µg/kg	1
B1	8.5	B1-8.5'	5/4/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
B1	8.5	B1-8.5'	5/4/2016	75-65-0	Tert-Butylalcohol (TBA)	ND	µg/kg	50
B1	8.5	B1-8.5'	5/4/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
B1	8.5	B1-8.5'	5/4/2016	127-18-4	Tetrachloroethylene	2.1	µg/kg	1
B1	8.5	B1-8.5'	5/4/2016	108-88-3	Toluene	ND	µg/kg	1
B1	8.5	B1-8.5'	5/4/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
B1	8.5	B1-8.5'	5/4/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
B1	8.5	B1-8.5'	5/4/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
B1	8.5	B1-8.5'	5/4/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
B1	8.5	B1-8.5'	5/4/2016	75-01-4	Vinyl chloride	ND	µg/kg	1
B1	8.5	B1-8.5'	5/4/2016	108-38-3	Xylenes	ND	µg/kg	1
B2	1	B2-1'	5/5/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
B2	1	B2-1'	5/5/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
B2	1	B2-1'	5/5/2016	7440-39-3	Barium, Ba	155	mg/kg	0.5
B2	1	B2-1'	5/5/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
B2	1	B2-1'	5/5/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
B2	1	B2-1'	5/5/2016	7440-48-4	Cobalt, Co	14.3	mg/kg	0.5
B2	1	B2-1'	5/5/2016	7440-47-3	Chromium, Cr	23.4	mg/kg	0.5
B2	1	B2-1'	5/5/2016	7440-50-8	Copper, Cu	23.5	mg/kg	0.5
B2	1	B2-1'	5/5/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
B2	1	B2-1'	5/5/2016	7440-02-0	Nickel, Ni	16.3	mg/kg	0.5
B2	1	B2-1'	5/5/2016	7439-92-1	Lead, Pb	3	mg/kg	0.5
B2	1	B2-1'	5/5/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
B2	1	B2-1'	5/5/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
B2	1	B2-1'	5/5/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
B2	1	B2-1'	5/5/2016	7440-62-2	Vanadium, V	50.6	mg/kg	0.5
B2	1	B2-1'	5/5/2016	7440-66-6	Zinc, Zn	62.4	mg/kg	0.5
B2	1	B2-1'	5/5/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
B2	1	B2-1'	5/5/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
B2	1	B2-1'	5/5/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
B2	1	B2-1'	5/5/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
B2	1	B2-1'	5/5/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
B2	1	B2-1'	5/5/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
B2	1	B2-1'	5/5/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
B2	1	B2-1'	5/5/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
B2	1	B2-1'	5/5/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
B2	1	B2-1'	5/5/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
B2	1	B2-1'	5/5/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
B2	1	B2-1'	5/5/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
B2	1	B2-1'	5/5/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
B2	1	B2-1'	5/5/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
B2	1	B2-1'	5/5/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
B2	1	B2-1'	5/5/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
B2	1	B2-1'	5/5/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
B2	1	B2-1'	5/5/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
B2	1	B2-1'	5/5/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
B2	1	B2-1'	5/5/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
B2	1	B2-1'	5/5/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
B2	1	B2-1'	5/5/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
B2	1	B2-1'	5/5/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
B2	1	B2-1'	5/5/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
B2	1	B2-1'	5/5/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
B2	1	B2-1'	5/5/2016	71-43-2	Benzene	ND	µg/kg	1
B2	1	B2-1'	5/5/2016	108-86-1	Bromobenzene	ND	µg/kg	1
B2	1	B2-1'	5/5/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
B2	1	B2-1'	5/5/2016	75-25-2	Bromoform	ND	µg/kg	1
B2	1	B2-1'	5/5/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
B2	1	B2-1'	5/5/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
B2	1	B2-1'	5/5/2016	67-66-3	Chloroform	ND	µg/kg	1
B2	1	B2-1'	5/5/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
B2	1	B2-1'	5/5/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
B2	1	B2-1'	5/5/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
B2	1	B2-1'	5/5/2016	74-95-3	Dibromomethane	ND	µg/kg	1
B2	1	B2-1'	5/5/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
B2	1	B2-1'	5/5/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
B2	1	B2-1'	5/5/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
B2	1	B2-1'	5/5/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
B2	1	B2-1'	5/5/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
B2	1	B2-1'	5/5/2016	76-13-1	Freon 113	ND	µg/kg	5
B2	1	B2-1'	5/5/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
B2	1	B2-1'	5/5/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
B2	1	B2-1'	5/5/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
B2	1	B2-1'	5/5/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
B2	1	B2-1'	5/5/2016	91-20-3	Naphthalene	ND	µg/kg	1
B2	1	B2-1'	5/5/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
B2	1	B2-1'	5/5/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
B2	1	B2-1'	5/5/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
B2	1	B2-1'	5/5/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
B2	1	B2-1'	5/5/2016	100-42-5	Styrene	ND	µg/kg	1
B2	1	B2-1'	5/5/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
B2	1	B2-1'	5/5/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
B2	1	B2-1'	5/5/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
B2	1	B2-1'	5/5/2016	127-18-4	Tetrachloroethylene	12.7	µg/kg	1
B2	1	B2-1'	5/5/2016	108-88-3	Toluene	ND	µg/kg	1
B2	1	B2-1'	5/5/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
B2	1	B2-1'	5/5/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
B2	1	B2-1'	5/5/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
B2	1	B2-1'	5/5/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
B2	1	B2-1'	5/5/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
B2	1	B2-1'	5/5/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
B2	1	B2-1'	5/5/2016	108-38-3	Xylenes	ND	µg/kg	1
B2	4.5	B2-4.5'	5/5/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
B2	4.5	B2-4.5'	5/5/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
B2	4.5	B2-4.5'	5/5/2016	7440-39-3	Barium, Ba	235	mg/kg	0.5
B2	4.5	B2-4.5'	5/5/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
B2	4.5	B2-4.5'	5/5/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
B2	4.5	B2-4.5'	5/5/2016	7440-48-4	Cobalt, Co	19.1	mg/kg	0.5
B2	4.5	B2-4.5'	5/5/2016	7440-47-3	Chromium, Cr	33.3	mg/kg	0.5
B2	4.5	B2-4.5'	5/5/2016	7440-50-8	Copper, Cu	38.5	mg/kg	0.5
B2	4.5	B2-4.5'	5/5/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
B2	4.5	B2-4.5'	5/5/2016	7440-02-0	Nickel, Ni	24	mg/kg	0.5
B2	4.5	B2-4.5'	5/5/2016	7439-92-1	Lead, Pb	4.1	mg/kg	0.5
B2	4.5	B2-4.5'	5/5/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
B2	4.5	B2-4.5'	5/5/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
B2	4.5	B2-4.5'	5/5/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
B2	4.5	B2-4.5'	5/5/2016	7440-62-2	Vanadium, V	69.6	mg/kg	0.5
B2	4.5	B2-4.5'	5/5/2016	7440-66-6	Zinc, Zn	76.1	mg/kg	0.5
B2	4.5	B2-4.5'	5/5/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
B2	4.5	B2-4.5'	5/5/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
B2	4.5	B2-4.5'	5/5/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
B2	4.5	B2-4.5'	5/5/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
B2	4.5	B2-4.5'	5/5/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
B2	4.5	B2-4.5'	5/5/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
B2	4.5	B2-4.5'	5/5/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
B2	4.5	B2-4.5'	5/5/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
B2	4.5	B2-4.5'	5/5/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
B2	4.5	B2-4.5'	5/5/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
B2	4.5	B2-4.5'	5/5/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
B2	4.5	B2-4.5'	5/5/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
B2	4.5	B2-4.5'	5/5/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
B2	4.5	B2-4.5'	5/5/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
B2	4.5	B2-4.5'	5/5/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
B2	4.5	B2-4.5'	5/5/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
B2	4.5	B2-4.5'	5/5/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
B2	4.5	B2-4.5'	5/5/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
B2	4.5	B2-4.5'	5/5/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
B2	4.5	B2-4.5'	5/5/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
B2	4.5	B2-4.5'	5/5/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
B2	4.5	B2-4.5'	5/5/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
B2	4.5	B2-4.5'	5/5/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
B2	4.5	B2-4.5'	5/5/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
B2	4.5	B2-4.5'	5/5/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
B2	4.5	B2-4.5'	5/5/2016	71-43-2	Benzene	ND	µg/kg	1
B2	4.5	B2-4.5'	5/5/2016	108-86-1	Bromobenzene	ND	µg/kg	1
B2	4.5	B2-4.5'	5/5/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
B2	4.5	B2-4.5'	5/5/2016	75-25-2	Bromoform	ND	µg/kg	1
B2	4.5	B2-4.5'	5/5/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
B2	4.5	B2-4.5'	5/5/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
B2	4.5	B2-4.5'	5/5/2016	67-66-3	Chloroform	ND	µg/kg	1
B2	4.5	B2-4.5'	5/5/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
B2	4.5	B2-4.5'	5/5/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
B2	4.5	B2-4.5'	5/5/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
B2	4.5	B2-4.5'	5/5/2016	74-95-3	Dibromomethane	ND	µg/kg	1
B2	4.5	B2-4.5'	5/5/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
B2	4.5	B2-4.5'	5/5/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
B2	4.5	B2-4.5'	5/5/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
B2	4.5	B2-4.5'	5/5/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
B2	4.5	B2-4.5'	5/5/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
B2	4.5	B2-4.5'	5/5/2016	76-13-1	Freon 113	ND	µg/kg	5
B2	4.5	B2-4.5'	5/5/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
B2	4.5	B2-4.5'	5/5/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
B2	4.5	B2-4.5'	5/5/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
B2	4.5	B2-4.5'	5/5/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
B2	4.5	B2-4.5'	5/5/2016	91-20-3	Naphthalene	ND	µg/kg	1
B2	4.5	B2-4.5'	5/5/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
B2	4.5	B2-4.5'	5/5/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
B2	4.5	B2-4.5'	5/5/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
B2	4.5	B2-4.5'	5/5/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
B2	4.5	B2-4.5'	5/5/2016	100-42-5	Styrene	ND	µg/kg	1
B2	4.5	B2-4.5'	5/5/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
B2	4.5	B2-4.5'	5/5/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
B2	4.5	B2-4.5'	5/5/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
B2	4.5	B2-4.5'	5/5/2016	127-18-4	Tetrachloroethylene	1.7	µg/kg	1
B2	4.5	B2-4.5'	5/5/2016	108-88-3	Toluene	ND	µg/kg	1
B2	4.5	B2-4.5'	5/5/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
B2	4.5	B2-4.5'	5/5/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
B2	4.5	B2-4.5'	5/5/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
B2	4.5	B2-4.5'	5/5/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
B2	4.5	B2-4.5'	5/5/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
B2	4.5	B2-4.5'	5/5/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
B2	4.5	B2-4.5'	5/5/2016	108-38-3	Xylenes	ND	µg/kg	1
B2	8.5	B2-8.5'	5/5/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
B2	8.5	B2-8.5'	5/5/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
B2	8.5	B2-8.5'	5/5/2016	7440-39-3	Barium, Ba	111	mg/kg	0.5
B2	8.5	B2-8.5'	5/5/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
B2	8.5	B2-8.5'	5/5/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
B2	8.5	B2-8.5'	5/5/2016	7440-48-4	Cobalt, Co	10.4	mg/kg	0.5
B2	8.5	B2-8.5'	5/5/2016	7440-47-3	Chromium, Cr	19	mg/kg	0.5
B2	8.5	B2-8.5'	5/5/2016	7440-50-8	Copper, Cu	16.5	mg/kg	0.5
B2	8.5	B2-8.5'	5/5/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
B2	8.5	B2-8.5'	5/5/2016	7440-02-0	Nickel, Ni	12.6	mg/kg	0.5
B2	8.5	B2-8.5'	5/5/2016	7439-92-1	Lead, Pb	1.2	mg/kg	0.5
B2	8.5	B2-8.5'	5/5/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
B2	8.5	B2-8.5'	5/5/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
B2	8.5	B2-8.5'	5/5/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
B2	8.5	B2-8.5'	5/5/2016	7440-62-2	Vanadium, V	43.3	mg/kg	0.5
B2	8.5	B2-8.5'	5/5/2016	7440-66-6	Zinc, Zn	43	mg/kg	0.5
B2	8.5	B2-8.5'	5/5/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
B2	8.5	B2-8.5'	5/5/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
B2	8.5	B2-8.5'	5/5/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
B2	8.5	B2-8.5'	5/5/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
B2	8.5	B2-8.5'	5/5/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
B2	8.5	B2-8.5'	5/5/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
B2	8.5	B2-8.5'	5/5/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
B2	8.5	B2-8.5'	5/5/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
B2	8.5	B2-8.5'	5/5/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
B2	8.5	B2-8.5'	5/5/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
B2	8.5	B2-8.5'	5/5/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
B2	8.5	B2-8.5'	5/5/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
B2	8.5	B2-8.5'	5/5/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
B2	8.5	B2-8.5'	5/5/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
B2	8.5	B2-8.5'	5/5/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
B2	8.5	B2-8.5'	5/5/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
B2	8.5	B2-8.5'	5/5/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
B2	8.5	B2-8.5'	5/5/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
B2	8.5	B2-8.5'	5/5/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
B2	8.5	B2-8.5'	5/5/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
B2	8.5	B2-8.5'	5/5/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
B2	8.5	B2-8.5'	5/5/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
B2	8.5	B2-8.5'	5/5/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
B2	8.5	B2-8.5'	5/5/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
B2	8.5	B2-8.5'	5/5/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
B2	8.5	B2-8.5'	5/5/2016	71-43-2	Benzene	ND	µg/kg	1
B2	8.5	B2-8.5'	5/5/2016	108-86-1	Bromobenzene	ND	µg/kg	1
B2	8.5	B2-8.5'	5/5/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
B2	8.5	B2-8.5'	5/5/2016	75-25-2	Bromoform	ND	µg/kg	1
B2	8.5	B2-8.5'	5/5/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
B2	8.5	B2-8.5'	5/5/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
B2	8.5	B2-8.5'	5/5/2016	67-66-3	Chloroform	ND	µg/kg	1
B2	8.5	B2-8.5'	5/5/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
B2	8.5	B2-8.5'	5/5/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
B2	8.5	B2-8.5'	5/5/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
B2	8.5	B2-8.5'	5/5/2016	74-95-3	Dibromomethane	ND	µg/kg	1
B2	8.5	B2-8.5'	5/5/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
B2	8.5	B2-8.5'	5/5/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
B2	8.5	B2-8.5'	5/5/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
B2	8.5	B2-8.5'	5/5/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
B2	8.5	B2-8.5'	5/5/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
B2	8.5	B2-8.5'	5/5/2016	76-13-1	Freon 113	ND	µg/kg	5
B2	8.5	B2-8.5'	5/5/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
B2	8.5	B2-8.5'	5/5/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
B2	8.5	B2-8.5'	5/5/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
B2	8.5	B2-8.5'	5/5/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
B2	8.5	B2-8.5'	5/5/2016	91-20-3	Naphthalene	ND	µg/kg	1
B2	8.5	B2-8.5'	5/5/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
B2	8.5	B2-8.5'	5/5/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
B2	8.5	B2-8.5'	5/5/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
B2	8.5	B2-8.5'	5/5/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
B2	8.5	B2-8.5'	5/5/2016	100-42-5	Styrene	ND	µg/kg	1
B2	8.5	B2-8.5'	5/5/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
B2	8.5	B2-8.5'	5/5/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
B2	8.5	B2-8.5'	5/5/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
B2	8.5	B2-8.5'	5/5/2016	127-18-4	Tetrachloroethylene	ND	µg/kg	1
B2	8.5	B2-8.5'	5/5/2016	108-88-3	Toluene	ND	µg/kg	1
B2	8.5	B2-8.5'	5/5/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
B2	8.5	B2-8.5'	5/5/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
B2	8.5	B2-8.5'	5/5/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
B2	8.5	B2-8.5'	5/5/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
B2	8.5	B2-8.5'	5/5/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
B2	8.5	B2-8.5'	5/5/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
B2	8.5	B2-8.5'	5/5/2016	108-38-3	Xylenes	ND	µg/kg	1
B3	1	B3-1'	5/4/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
B3	1	B3-1'	5/4/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
B3	1	B3-1'	5/4/2016	7440-39-3	Barium, Ba	163	mg/kg	0.5
B3	1	B3-1'	5/4/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
B3	1	B3-1'	5/4/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
B3	1	B3-1'	5/4/2016	7440-48-4	Cobalt, Co	12.9	mg/kg	0.5
B3	1	B3-1'	5/4/2016	7440-47-3	Chromium, Cr	23.1	mg/kg	0.5
B3	1	B3-1'	5/4/2016	7440-50-8	Copper, Cu	145	mg/kg	0.5
B3	1	B3-1'	5/4/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
B3	1	B3-1'	5/4/2016	7440-02-0	Nickel, Ni	17.6	mg/kg	0.5
B3	1	B3-1'	5/4/2016	7439-92-1	Lead, Pb	19.1	mg/kg	0.5
B3	1	B3-1'	5/4/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
B3	1	B3-1'	5/4/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
B3	1	B3-1'	5/4/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
B3	1	B3-1'	5/4/2016	7440-62-2	Vanadium, V	51.7	mg/kg	0.5
B3	1	B3-1'	5/4/2016	7440-66-6	Zinc, Zn	136	mg/kg	0.5
B3	1	B3-1'	5/4/2016	7439-97-6	Mercury, Hg	0.033	mg/kg	0.02
B3	1	B3-1'	5/4/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
B3	1	B3-1'	5/4/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
B3	1	B3-1'	5/4/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
B3	1	B3-1'	5/4/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
B3	1	B3-1'	5/4/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
B3	1	B3-1'	5/4/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
B3	1	B3-1'	5/4/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
B3	1	B3-1'	5/4/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
B3	1	B3-1'	5/4/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
B3	1	B3-1'	5/4/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
B3	1	B3-1'	5/4/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
B3	1	B3-1'	5/4/2016	96-12-8	1,2-Dibromo-3-chloropropane	ND	µg/kg	1
B3	1	B3-1'	5/4/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
B3	1	B3-1'	5/4/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
B3	1	B3-1'	5/4/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
B3	1	B3-1'	5/4/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
B3	1	B3-1'	5/4/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
B3	1	B3-1'	5/4/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
B3	1	B3-1'	5/4/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
B3	1	B3-1'	5/4/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
B3	1	B3-1'	5/4/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
B3	1	B3-1'	5/4/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
B3	1	B3-1'	5/4/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
B3	1	B3-1'	5/4/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
B3	1	B3-1'	5/4/2016	71-43-2	Benzene	ND	µg/kg	1
B3	1	B3-1'	5/4/2016	108-86-1	Bromobenzene	ND	µg/kg	1
B3	1	B3-1'	5/4/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
B3	1	B3-1'	5/4/2016	75-25-2	Bromoform	ND	µg/kg	1
B3	1	B3-1'	5/4/2016	56-23-5	Carbon tetrachloride	ND	µg/kg	1
B3	1	B3-1'	5/4/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
B3	1	B3-1'	5/4/2016	67-66-3	Chloroform	ND	µg/kg	1
B3	1	B3-1'	5/4/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
B3	1	B3-1'	5/4/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
B3	1	B3-1'	5/4/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
B3	1	B3-1'	5/4/2016	74-95-3	Dibromomethane	ND	µg/kg	1
B3	1	B3-1'	5/4/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
B3	1	B3-1'	5/4/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
B3	1	B3-1'	5/4/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
B3	1	B3-1'	5/4/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
B3	1	B3-1'	5/4/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
B3	1	B3-1'	5/4/2016	76-13-1	Freon 113	ND	µg/kg	5
B3	1	B3-1'	5/4/2016	N/A	Gasoline Range Organics	ND	µg/kg	0.2
B3	1	B3-1'	5/4/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
B3	1	B3-1'	5/4/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
B3	1	B3-1'	5/4/2016	75-09-2	Methylene chloride	ND	µg/kg	1
B3	1	B3-1'	5/4/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
B3	1	B3-1'	5/4/2016	91-20-3	Naphthalene	ND	µg/kg	1
B3	1	B3-1'	5/4/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
B3	1	B3-1'	5/4/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
B3	1	B3-1'	5/4/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
B3	1	B3-1'	5/4/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
B3	1	B3-1'	5/4/2016	100-42-5	Styrene	ND	µg/kg	1
B3	1	B3-1'	5/4/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
B3	1	B3-1'	5/4/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
B3	1	B3-1'	5/4/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
B3	1	B3-1'	5/4/2016	127-18-4	Tetrachloroethylene	21.8	µg/kg	1
B3	1	B3-1'	5/4/2016	108-88-3	Toluene	ND	µg/kg	1
B3	1	B3-1'	5/4/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
B3	1	B3-1'	5/4/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
B3	1	B3-1'	5/4/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
B3	1	B3-1'	5/4/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
B3	1	B3-1'	5/4/2016	75-01-4	Vinyl chloride	ND	µg/kg	1
B3	1	B3-1'	5/4/2016	108-38-3	Xylenes	ND	µg/kg	1
B3	4.5	B3-4.5'	5/4/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
B3	4.5	B3-4.5'	5/4/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
B3	4.5	B3-4.5'	5/4/2016	7440-39-3	Barium, Ba	136	mg/kg	0.5
B3	4.5	B3-4.5'	5/4/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
B3	4.5	B3-4.5'	5/4/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
B3	4.5	B3-4.5'	5/4/2016	7440-48-4	Cobalt, Co	12.2	mg/kg	0.5
B3	4.5	B3-4.5'	5/4/2016	7440-47-3	Chromium, Cr	23.7	mg/kg	0.5
B3	4.5	B3-4.5'	5/4/2016	7440-50-8	Copper, Cu	34.5	mg/kg	0.5

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
B3	4.5	B3-4.5'	5/4/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
B3	4.5	B3-4.5'	5/4/2016	7440-02-0	Nickel, Ni	17.5	mg/kg	0.5
B3	4.5	B3-4.5'	5/4/2016	7439-92-1	Lead, Pb	2.1	mg/kg	0.5
B3	4.5	B3-4.5'	5/4/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
B3	4.5	B3-4.5'	5/4/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
B3	4.5	B3-4.5'	5/4/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
B3	4.5	B3-4.5'	5/4/2016	7440-62-2	Vanadium, V	49.4	mg/kg	0.5
B3	4.5	B3-4.5'	5/4/2016	7440-66-6	Zinc, Zn	54.3	mg/kg	0.5
B3	4.5	B3-4.5'	5/4/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
B3	4.5	B3-4.5'	5/4/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
B3	4.5	B3-4.5'	5/4/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
B3	4.5	B3-4.5'	5/4/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
B3	4.5	B3-4.5'	5/4/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
B3	4.5	B3-4.5'	5/4/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
B3	4.5	B3-4.5'	5/4/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
B3	4.5	B3-4.5'	5/4/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
B3	4.5	B3-4.5'	5/4/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
B3	4.5	B3-4.5'	5/4/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
B3	4.5	B3-4.5'	5/4/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
B3	4.5	B3-4.5'	5/4/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
B3	4.5	B3-4.5'	5/4/2016	96-12-8	1,2-Dibromo-3-chloropropane	ND	µg/kg	1
B3	4.5	B3-4.5'	5/4/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
B3	4.5	B3-4.5'	5/4/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
B3	4.5	B3-4.5'	5/4/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
B3	4.5	B3-4.5'	5/4/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
B3	4.5	B3-4.5'	5/4/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
B3	4.5	B3-4.5'	5/4/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
B3	4.5	B3-4.5'	5/4/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
B3	4.5	B3-4.5'	5/4/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
B3	4.5	B3-4.5'	5/4/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
B3	4.5	B3-4.5'	5/4/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
B3	4.5	B3-4.5'	5/4/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
B3	4.5	B3-4.5'	5/4/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
B3	4.5	B3-4.5'	5/4/2016	71-43-2	Benzene	ND	µg/kg	1
B3	4.5	B3-4.5'	5/4/2016	108-86-1	Bromobenzene	ND	µg/kg	1
B3	4.5	B3-4.5'	5/4/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
B3	4.5	B3-4.5'	5/4/2016	75-25-2	Bromoform	ND	µg/kg	1
B3	4.5	B3-4.5'	5/4/2016	56-23-5	Carbon tetrachloride	ND	µg/kg	1
B3	4.5	B3-4.5'	5/4/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
B3	4.5	B3-4.5'	5/4/2016	67-66-3	Chloroform	ND	µg/kg	1
B3	4.5	B3-4.5'	5/4/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
B3	4.5	B3-4.5'	5/4/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
B3	4.5	B3-4.5'	5/4/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
B3	4.5	B3-4.5'	5/4/2016	74-95-3	Dibromomethane	ND	µg/kg	1
B3	4.5	B3-4.5'	5/4/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
B3	4.5	B3-4.5'	5/4/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
B3	4.5	B3-4.5'	5/4/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
B3	4.5	B3-4.5'	5/4/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
B3	4.5	B3-4.5'	5/4/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
B3	4.5	B3-4.5'	5/4/2016	76-13-1	Freon 113	ND	µg/kg	5
B3	4.5	B3-4.5'	5/4/2016	N/A	Gasoline Range Organics	ND	µg/kg	0.2
B3	4.5	B3-4.5'	5/4/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
B3	4.5	B3-4.5'	5/4/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
B3	4.5	B3-4.5'	5/4/2016	75-09-2	Methylene chloride	ND	µg/kg	1
B3	4.5	B3-4.5'	5/4/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
B3	4.5	B3-4.5'	5/4/2016	91-20-3	Naphthalene	ND	µg/kg	1
B3	4.5	B3-4.5'	5/4/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
B3	4.5	B3-4.5'	5/4/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
B3	4.5	B3-4.5'	5/4/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
B3	4.5	B3-4.5'	5/4/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
B3	4.5	B3-4.5'	5/4/2016	100-42-5	Styrene	ND	µg/kg	1
B3	4.5	B3-4.5'	5/4/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
B3	4.5	B3-4.5'	5/4/2016	75-65-0	Tert-Butylalcohol (TBA)	ND	µg/kg	50
B3	4.5	B3-4.5'	5/4/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
B3	4.5	B3-4.5'	5/4/2016	127-18-4	Tetrachloroethylene	7.9	µg/kg	1
B3	4.5	B3-4.5'	5/4/2016	108-88-3	Toluene	ND	µg/kg	1
B3	4.5	B3-4.5'	5/4/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
B3	4.5	B3-4.5'	5/4/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
B3	4.5	B3-4.5'	5/4/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
B3	4.5	B3-4.5'	5/4/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
B3	4.5	B3-4.5'	5/4/2016	75-01-4	Vinyl chloride	ND	µg/kg	1
B3	4.5	B3-4.5'	5/4/2016	108-38-3	Xylenes	ND	µg/kg	1
B3	8.5	B3-8.5'	5/4/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
B3	8.5	B3-8.5'	5/4/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
B3	8.5	B3-8.5'	5/4/2016	7440-39-3	Barium, Ba	122	mg/kg	0.5
B3	8.5	B3-8.5'	5/4/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
B3	8.5	B3-8.5'	5/4/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
B3	8.5	B3-8.5'	5/4/2016	7440-48-4	Cobalt, Co	10.3	mg/kg	0.5
B3	8.5	B3-8.5'	5/4/2016	7440-47-3	Chromium, Cr	19.8	mg/kg	0.5
B3	8.5	B3-8.5'	5/4/2016	7440-50-8	Copper, Cu	19.7	mg/kg	0.5
B3	8.5	B3-8.5'	5/4/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
B3	8.5	B3-8.5'	5/4/2016	7440-02-0	Nickel, Ni	12.8	mg/kg	0.5
B3	8.5	B3-8.5'	5/4/2016	7439-92-1	Lead, Pb	2.6	mg/kg	0.5
B3	8.5	B3-8.5'	5/4/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
B3	8.5	B3-8.5'	5/4/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
B3	8.5	B3-8.5'	5/4/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
B3	8.5	B3-8.5'	5/4/2016	7440-62-2	Vanadium, V	46	mg/kg	0.5
B3	8.5	B3-8.5'	5/4/2016	7440-66-6	Zinc, Zn	43.4	mg/kg	0.5
B3	8.5	B3-8.5'	5/4/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
B3	8.5	B3-8.5'	5/4/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
B3	8.5	B3-8.5'	5/4/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
B3	8.5	B3-8.5'	5/4/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
B3	8.5	B3-8.5'	5/4/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
B3	8.5	B3-8.5'	5/4/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
B3	8.5	B3-8.5'	5/4/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
B3	8.5	B3-8.5'	5/4/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
B3	8.5	B3-8.5'	5/4/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
B3	8.5	B3-8.5'	5/4/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
B3	8.5	B3-8.5'	5/4/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
B3	8.5	B3-8.5'	5/4/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
B3	8.5	B3-8.5'	5/4/2016	96-12-8	1,2-Dibromo-3-chloropropane	ND	µg/kg	1
B3	8.5	B3-8.5'	5/4/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
B3	8.5	B3-8.5'	5/4/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
B3	8.5	B3-8.5'	5/4/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
B3	8.5	B3-8.5'	5/4/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
B3	8.5	B3-8.5'	5/4/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
B3	8.5	B3-8.5'	5/4/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
B3	8.5	B3-8.5'	5/4/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
B3	8.5	B3-8.5'	5/4/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
B3	8.5	B3-8.5'	5/4/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
B3	8.5	B3-8.5'	5/4/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
B3	8.5	B3-8.5'	5/4/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
B3	8.5	B3-8.5'	5/4/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
B3	8.5	B3-8.5'	5/4/2016	71-43-2	Benzene	ND	µg/kg	1
B3	8.5	B3-8.5'	5/4/2016	108-86-1	Bromobenzene	ND	µg/kg	1
B3	8.5	B3-8.5'	5/4/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
B3	8.5	B3-8.5'	5/4/2016	75-25-2	Bromoform	ND	µg/kg	1
B3	8.5	B3-8.5'	5/4/2016	56-23-5	Carbon tetrachloride	ND	µg/kg	1
B3	8.5	B3-8.5'	5/4/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
B3	8.5	B3-8.5'	5/4/2016	67-66-3	Chloroform	ND	µg/kg	1
B3	8.5	B3-8.5'	5/4/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
B3	8.5	B3-8.5'	5/4/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
B3	8.5	B3-8.5'	5/4/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
B3	8.5	B3-8.5'	5/4/2016	74-95-3	Dibromomethane	ND	µg/kg	1
B3	8.5	B3-8.5'	5/4/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
B3	8.5	B3-8.5'	5/4/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
B3	8.5	B3-8.5'	5/4/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
B3	8.5	B3-8.5'	5/4/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
B3	8.5	B3-8.5'	5/4/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
B3	8.5	B3-8.5'	5/4/2016	76-13-1	Freon 113	ND	µg/kg	5
B3	8.5	B3-8.5'	5/4/2016	N/A	Gasoline Range Organics	ND	µg/kg	0.2
B3	8.5	B3-8.5'	5/4/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
B3	8.5	B3-8.5'	5/4/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
B3	8.5	B3-8.5'	5/4/2016	75-09-2	Methylene chloride	ND	µg/kg	1
B3	8.5	B3-8.5'	5/4/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
B3	8.5	B3-8.5'	5/4/2016	91-20-3	Naphthalene	ND	µg/kg	1
B3	8.5	B3-8.5'	5/4/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
B3	8.5	B3-8.5'	5/4/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
B3	8.5	B3-8.5'	5/4/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
B3	8.5	B3-8.5'	5/4/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
B3	8.5	B3-8.5'	5/4/2016	100-42-5	Styrene	ND	µg/kg	1
B3	8.5	B3-8.5'	5/4/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
B3	8.5	B3-8.5'	5/4/2016	75-65-0	Tert-Butylalcohol (TBA)	ND	µg/kg	50
B3	8.5	B3-8.5'	5/4/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
B3	8.5	B3-8.5'	5/4/2016	127-18-4	Tetrachloroethylene	1.2	µg/kg	1
B3	8.5	B3-8.5'	5/4/2016	108-88-3	Toluene	ND	µg/kg	1
B3	8.5	B3-8.5'	5/4/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
B3	8.5	B3-8.5'	5/4/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
B3	8.5	B3-8.5'	5/4/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
B3	8.5	B3-8.5'	5/4/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
B3	8.5	B3-8.5'	5/4/2016	75-01-4	Vinyl chloride	ND	µg/kg	1
B3	8.5	B3-8.5'	5/4/2016	108-38-3	Xylenes	ND	µg/kg	1
B4	1	B4-1'	5/4/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
B4	1	B4-1'	5/4/2016	7440-38-2	Arsenic, As	2.3	mg/kg	0.5
B4	1	B4-1'	5/4/2016	7440-39-3	Barium, Ba	182	mg/kg	0.5
B4	1	B4-1'	5/4/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
B4	1	B4-1'	5/4/2016	7440-43-9	Cadmium, Cd	0.8	mg/kg	0.5
B4	1	B4-1'	5/4/2016	7440-48-4	Cobalt, Co	11.7	mg/kg	0.5
B4	1	B4-1'	5/4/2016	7440-47-3	Chromium, Cr	25.9	mg/kg	0.5
B4	1	B4-1'	5/4/2016	7440-50-8	Copper, Cu	133	mg/kg	0.5
B4	1	B4-1'	5/4/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
B4	1	B4-1'	5/4/2016	7440-02-0	Nickel, Ni	19.7	mg/kg	0.5
B4	1	B4-1'	5/4/2016	7439-92-1	Lead, Pb	108	mg/kg	0.5
B4	1	B4-1'	5/4/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
B4	1	B4-1'	5/4/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
B4	1	B4-1'	5/4/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
B4	1	B4-1'	5/4/2016	7440-62-2	Vanadium, V	44.3	mg/kg	0.5
B4	1	B4-1'	5/4/2016	7440-66-6	Zinc, Zn	1580	mg/kg	5
B4	1	B4-1'	5/4/2016	7439-97-6	Mercury, Hg	0.027	mg/kg	0.02
B4	1	B4-1'	5/4/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
B4	1	B4-1'	5/4/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
B4	1	B4-1'	5/4/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
B4	1	B4-1'	5/4/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
B4	1	B4-1'	5/4/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
B4	1	B4-1'	5/4/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
B4	1	B4-1'	5/4/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
B4	1	B4-1'	5/4/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
B4	1	B4-1'	5/4/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
B4	1	B4-1'	5/4/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
B4	1	B4-1'	5/4/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
B4	1	B4-1'	5/4/2016	96-12-8	1,2-Dibromo-3-chloropropane	ND	µg/kg	1
B4	1	B4-1'	5/4/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
B4	1	B4-1'	5/4/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
B4	1	B4-1'	5/4/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
B4	1	B4-1'	5/4/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
B4	1	B4-1'	5/4/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
B4	1	B4-1'	5/4/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
B4	1	B4-1'	5/4/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
B4	1	B4-1'	5/4/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
B4	1	B4-1'	5/4/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
B4	1	B4-1'	5/4/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
B4	1	B4-1'	5/4/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
B4	1	B4-1'	5/4/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
B4	1	B4-1'	5/4/2016	71-43-2	Benzene	ND	µg/kg	1
B4	1	B4-1'	5/4/2016	108-86-1	Bromobenzene	ND	µg/kg	1
B4	1	B4-1'	5/4/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
B4	1	B4-1'	5/4/2016	75-25-2	Bromoform	ND	µg/kg	1
B4	1	B4-1'	5/4/2016	56-23-5	Carbon tetrachloride	ND	µg/kg	1
B4	1	B4-1'	5/4/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
B4	1	B4-1'	5/4/2016	67-66-3	Chloroform	ND	µg/kg	1
B4	1	B4-1'	5/4/2016	156-59-2	cis-1,2-Dichloroethene	5	µg/kg	1
B4	1	B4-1'	5/4/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
B4	1	B4-1'	5/4/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
B4	1	B4-1'	5/4/2016	74-95-3	Dibromomethane	ND	µg/kg	1
B4	1	B4-1'	5/4/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
B4	1	B4-1'	5/4/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
B4	1	B4-1'	5/4/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
B4	1	B4-1'	5/4/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
B4	1	B4-1'	5/4/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
B4	1	B4-1'	5/4/2016	76-13-1	Freon 113	ND	µg/kg	5
B4	1	B4-1'	5/4/2016	N/A	Gasoline Range Organics	ND	µg/kg	0.2
B4	1	B4-1'	5/4/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
B4	1	B4-1'	5/4/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
B4	1	B4-1'	5/4/2016	75-09-2	Methylene chloride	ND	µg/kg	1
B4	1	B4-1'	5/4/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
B4	1	B4-1'	5/4/2016	91-20-3	Naphthalene	ND	µg/kg	1
B4	1	B4-1'	5/4/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
B4	1	B4-1'	5/4/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
B4	1	B4-1'	5/4/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
B4	1	B4-1'	5/4/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
B4	1	B4-1'	5/4/2016	100-42-5	Styrene	ND	µg/kg	1
B4	1	B4-1'	5/4/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
B4	1	B4-1'	5/4/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
B4	1	B4-1'	5/4/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
B4	1	B4-1'	5/4/2016	127-18-4	Tetrachloroethylene	3330*	µg/kg	1
B4	1	B4-1'	5/4/2016	108-88-3	Toluene	ND	µg/kg	1
B4	1	B4-1'	5/4/2016	156-60-5	trans-1,2-Dichloroethene	2.3	µg/kg	1
B4	1	B4-1'	5/4/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
B4	1	B4-1'	5/4/2016	79-01-6	Trichloroethylene	153	µg/kg	1
B4	1	B4-1'	5/4/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
B4	1	B4-1'	5/4/2016	75-01-4	Vinyl chloride	ND	µg/kg	1
B4	1	B4-1'	5/4/2016	108-38-3	Xylenes	ND	µg/kg	1
B4	4.5	B4-4.5'	5/4/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
B4	4.5	B4-4.5'	5/4/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
B4	4.5	B4-4.5'	5/4/2016	7440-39-3	Barium, Ba	151	mg/kg	0.5
B4	4.5	B4-4.5'	5/4/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
B4	4.5	B4-4.5'	5/4/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
B4	4.5	B4-4.5'	5/4/2016	7440-48-4	Cobalt, Co	13.7	mg/kg	0.5
B4	4.5	B4-4.5'	5/4/2016	7440-47-3	Chromium, Cr	26.4	mg/kg	0.5
B4	4.5	B4-4.5'	5/4/2016	7440-50-8	Copper, Cu	32.3	mg/kg	0.5
B4	4.5	B4-4.5'	5/4/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
B4	4.5	B4-4.5'	5/4/2016	7440-02-0	Nickel, Ni	17.7	mg/kg	0.5
B4	4.5	B4-4.5'	5/4/2016	7439-92-1	Lead, Pb	2.7	mg/kg	0.5
B4	4.5	B4-4.5'	5/4/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
B4	4.5	B4-4.5'	5/4/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
B4	4.5	B4-4.5'	5/4/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
B4	4.5	B4-4.5'	5/4/2016	7440-62-2	Vanadium, V	58.8	mg/kg	0.5
B4	4.5	B4-4.5'	5/4/2016	7440-66-6	Zinc, Zn	880	mg/kg	5
B4	4.5	B4-4.5'	5/4/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
B4	4.5	B4-4.5'	5/4/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
B4	4.5	B4-4.5'	5/4/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
B4	4.5	B4-4.5'	5/4/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
B4	4.5	B4-4.5'	5/4/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
B4	4.5	B4-4.5'	5/4/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
B4	4.5	B4-4.5'	5/4/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
B4	4.5	B4-4.5'	5/4/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
B4	4.5	B4-4.5'	5/4/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
B4	4.5	B4-4.5'	5/4/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
B4	4.5	B4-4.5'	5/4/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
B4	4.5	B4-4.5'	5/4/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
B4	4.5	B4-4.5'	5/4/2016	96-12-8	1,2-Dibromo-3-chloropropane	ND	µg/kg	1
B4	4.5	B4-4.5'	5/4/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
B4	4.5	B4-4.5'	5/4/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
B4	4.5	B4-4.5'	5/4/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
B4	4.5	B4-4.5'	5/4/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
B4	4.5	B4-4.5'	5/4/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
B4	4.5	B4-4.5'	5/4/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
B4	4.5	B4-4.5'	5/4/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
B4	4.5	B4-4.5'	5/4/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
B4	4.5	B4-4.5'	5/4/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
B4	4.5	B4-4.5'	5/4/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
B4	4.5	B4-4.5'	5/4/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
B4	4.5	B4-4.5'	5/4/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
B4	4.5	B4-4.5'	5/4/2016	71-43-2	Benzene	ND	µg/kg	1
B4	4.5	B4-4.5'	5/4/2016	108-86-1	Bromobenzene	ND	µg/kg	1
B4	4.5	B4-4.5'	5/4/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
B4	4.5	B4-4.5'	5/4/2016	75-25-2	Bromoform	ND	µg/kg	1
B4	4.5	B4-4.5'	5/4/2016	56-23-5	Carbon tetrachloride	ND	µg/kg	1
B4	4.5	B4-4.5'	5/4/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
B4	4.5	B4-4.5'	5/4/2016	67-66-3	Chloroform	ND	µg/kg	1
B4	4.5	B4-4.5'	5/4/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
B4	4.5	B4-4.5'	5/4/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
B4	4.5	B4-4.5'	5/4/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
B4	4.5	B4-4.5'	5/4/2016	74-95-3	Dibromomethane	ND	µg/kg	1
B4	4.5	B4-4.5'	5/4/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
B4	4.5	B4-4.5'	5/4/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
B4	4.5	B4-4.5'	5/4/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
B4	4.5	B4-4.5'	5/4/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
B4	4.5	B4-4.5'	5/4/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
B4	4.5	B4-4.5'	5/4/2016	76-13-1	Freon 113	ND	µg/kg	5
B4	4.5	B4-4.5'	5/4/2016	N/A	Gasoline Range Organics	ND	µg/kg	0.2
B4	4.5	B4-4.5'	5/4/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
B4	4.5	B4-4.5'	5/4/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
B4	4.5	B4-4.5'	5/4/2016	75-09-2	Methylene chloride	ND	µg/kg	1
B4	4.5	B4-4.5'	5/4/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
B4	4.5	B4-4.5'	5/4/2016	91-20-3	Naphthalene	ND	µg/kg	1

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
B4	4.5	B4-4.5'	5/4/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
B4	4.5	B4-4.5'	5/4/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
B4	4.5	B4-4.5'	5/4/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
B4	4.5	B4-4.5'	5/4/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
B4	4.5	B4-4.5'	5/4/2016	100-42-5	Styrene	ND	µg/kg	1
B4	4.5	B4-4.5'	5/4/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
B4	4.5	B4-4.5'	5/4/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
B4	4.5	B4-4.5'	5/4/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
B4	4.5	B4-4.5'	5/4/2016	127-18-4	Tetrachloroethylene	24	µg/kg	1
B4	4.5	B4-4.5'	5/4/2016	108-88-3	Toluene	ND	µg/kg	1
B4	4.5	B4-4.5'	5/4/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
B4	4.5	B4-4.5'	5/4/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
B4	4.5	B4-4.5'	5/4/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
B4	4.5	B4-4.5'	5/4/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
B4	4.5	B4-4.5'	5/4/2016	75-01-4	Vinyl chloride	ND	µg/kg	1
B4	4.5	B4-4.5'	5/4/2016	108-38-3	Xylenes	ND	µg/kg	1
B4	8.5	B4-8.5'	5/4/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
B4	8.5	B4-8.5'	5/4/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
B4	8.5	B4-8.5'	5/4/2016	7440-39-3	Barium, Ba	91.6	mg/kg	0.5
B4	8.5	B4-8.5'	5/4/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
B4	8.5	B4-8.5'	5/4/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
B4	8.5	B4-8.5'	5/4/2016	7440-48-4	Cobalt, Co	8	mg/kg	0.5
B4	8.5	B4-8.5'	5/4/2016	7440-47-3	Chromium, Cr	14.5	mg/kg	0.5
B4	8.5	B4-8.5'	5/4/2016	7440-50-8	Copper, Cu	15.1	mg/kg	0.5
B4	8.5	B4-8.5'	5/4/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
B4	8.5	B4-8.5'	5/4/2016	7440-02-0	Nickel, Ni	9.2	mg/kg	0.5
B4	8.5	B4-8.5'	5/4/2016	7439-92-1	Lead, Pb	0.7	mg/kg	0.5
B4	8.5	B4-8.5'	5/4/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
B4	8.5	B4-8.5'	5/4/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
B4	8.5	B4-8.5'	5/4/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
B4	8.5	B4-8.5'	5/4/2016	7440-62-2	Vanadium, V	37.2	mg/kg	0.5
B4	8.5	B4-8.5'	5/4/2016	7440-66-6	Zinc, Zn	38.2	mg/kg	0.5
B4	8.5	B4-8.5'	5/4/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
B4	8.5	B4-8.5'	5/4/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
B4	8.5	B4-8.5'	5/4/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
B4	8.5	B4-8.5'	5/4/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
B4	8.5	B4-8.5'	5/4/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
B4	8.5	B4-8.5'	5/4/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
B4	8.5	B4-8.5'	5/4/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
B4	8.5	B4-8.5'	5/4/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
B4	8.5	B4-8.5'	5/4/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
B4	8.5	B4-8.5'	5/4/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
B4	8.5	B4-8.5'	5/4/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
B4	8.5	B4-8.5'	5/4/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
B4	8.5	B4-8.5'	5/4/2016	96-12-8	1,2-Dibromo-3-chloropropane	ND	µg/kg	1
B4	8.5	B4-8.5'	5/4/2016	106-93-4	1,2-Dibromomethane (EDB)	ND	µg/kg	1
B4	8.5	B4-8.5'	5/4/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
B4	8.5	B4-8.5'	5/4/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
B4	8.5	B4-8.5'	5/4/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
B4	8.5	B4-8.5'	5/4/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
B4	8.5	B4-8.5'	5/4/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
B4	8.5	B4-8.5'	5/4/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
B4	8.5	B4-8.5'	5/4/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
B4	8.5	B4-8.5'	5/4/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
B4	8.5	B4-8.5'	5/4/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
B4	8.5	B4-8.5'	5/4/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
B4	8.5	B4-8.5'	5/4/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
B4	8.5	B4-8.5'	5/4/2016	71-43-2	Benzene	ND	µg/kg	1
B4	8.5	B4-8.5'	5/4/2016	108-86-1	Bromobenzene	ND	µg/kg	1
B4	8.5	B4-8.5'	5/4/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
B4	8.5	B4-8.5'	5/4/2016	75-25-2	Bromoform	ND	µg/kg	1
B4	8.5	B4-8.5'	5/4/2016	56-23-5	Carbon tetrachloride	ND	µg/kg	1
B4	8.5	B4-8.5'	5/4/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
B4	8.5	B4-8.5'	5/4/2016	67-66-3	Chloroform	ND	µg/kg	1
B4	8.5	B4-8.5'	5/4/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
B4	8.5	B4-8.5'	5/4/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
B4	8.5	B4-8.5'	5/4/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
B4	8.5	B4-8.5'	5/4/2016	74-95-3	Dibromomethane	ND	µg/kg	1
B4	8.5	B4-8.5'	5/4/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
B4	8.5	B4-8.5'	5/4/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
B4	8.5	B4-8.5'	5/4/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
B4	8.5	B4-8.5'	5/4/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
B4	8.5	B4-8.5'	5/4/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
B4	8.5	B4-8.5'	5/4/2016	76-13-1	Freon 113	ND	µg/kg	5

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
B4	8.5	B4-8.5'	5/4/2016	N/A	Gasoline Range Organics	ND	µg/kg	0.2
B4	8.5	B4-8.5'	5/4/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
B4	8.5	B4-8.5'	5/4/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
B4	8.5	B4-8.5'	5/4/2016	75-09-2	Methylene chloride	ND	µg/kg	1
B4	8.5	B4-8.5'	5/4/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
B4	8.5	B4-8.5'	5/4/2016	91-20-3	Naphthalene	ND	µg/kg	1
B4	8.5	B4-8.5'	5/4/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
B4	8.5	B4-8.5'	5/4/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
B4	8.5	B4-8.5'	5/4/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
B4	8.5	B4-8.5'	5/4/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
B4	8.5	B4-8.5'	5/4/2016	100-42-5	Styrene	ND	µg/kg	1
B4	8.5	B4-8.5'	5/4/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
B4	8.5	B4-8.5'	5/4/2016	75-65-0	Tert-Butylalcohol (TBA)	ND	µg/kg	50
B4	8.5	B4-8.5'	5/4/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
B4	8.5	B4-8.5'	5/4/2016	127-18-4	Tetrachloroethylene	22.4	µg/kg	1
B4	8.5	B4-8.5'	5/4/2016	108-88-3	Toluene	ND	µg/kg	1
B4	8.5	B4-8.5'	5/4/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
B4	8.5	B4-8.5'	5/4/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
B4	8.5	B4-8.5'	5/4/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
B4	8.5	B4-8.5'	5/4/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
B4	8.5	B4-8.5'	5/4/2016	75-01-4	Vinyl chloride	ND	µg/kg	1
B4	8.5	B4-8.5'	5/4/2016	108-38-3	Xylenes	ND	µg/kg	1
B4	4.5D	B4-4.5D	5/4/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
B4	4.5D	B4-4.5D	5/4/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
B4	4.5D	B4-4.5D	5/4/2016	7440-39-3	Barium, Ba	97.6	mg/kg	0.5
B4	4.5D	B4-4.5D	5/4/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
B4	4.5D	B4-4.5D	5/4/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
B4	4.5D	B4-4.5D	5/4/2016	7440-48-4	Cobalt, Co	5.8	mg/kg	0.5
B4	4.5D	B4-4.5D	5/4/2016	7440-47-3	Chromium, Cr	6.7	mg/kg	0.5
B4	4.5D	B4-4.5D	5/4/2016	7440-50-8	Copper, Cu	20.6	mg/kg	0.5
B4	4.5D	B4-4.5D	5/4/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
B4	4.5D	B4-4.5D	5/4/2016	7440-02-0	Nickel, Ni	3.5	mg/kg	0.5
B4	4.5D	B4-4.5D	5/4/2016	7439-92-1	Lead, Pb	0.8	mg/kg	0.5
B4	4.5D	B4-4.5D	5/4/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
B4	4.5D	B4-4.5D	5/4/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
B4	4.5D	B4-4.5D	5/4/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
B4	4.5D	B4-4.5D	5/4/2016	7440-62-2	Vanadium, V	29.2	mg/kg	0.5
B4	4.5D	B4-4.5D	5/4/2016	7440-66-6	Zinc, Zn	233	mg/kg	0.5
B4	4.5D	B4-4.5D	5/4/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
B4	4.5D	B4-4.5D	5/4/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
B4	4.5D	B4-4.5D	5/4/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
B4	4.5D	B4-4.5D	5/4/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
B4	4.5D	B4-4.5D	5/4/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
B4	4.5D	B4-4.5D	5/4/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
B4	4.5D	B4-4.5D	5/4/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
B4	4.5D	B4-4.5D	5/4/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
B4	4.5D	B4-4.5D	5/4/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
B4	4.5D	B4-4.5D	5/4/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
B4	4.5D	B4-4.5D	5/4/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
B4	4.5D	B4-4.5D	5/4/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
B4	4.5D	B4-4.5D	5/4/2016	96-12-8	1,2-Dibromo-3-chloropropane	ND	µg/kg	1
B4	4.5D	B4-4.5D	5/4/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
B4	4.5D	B4-4.5D	5/4/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
B4	4.5D	B4-4.5D	5/4/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
B4	4.5D	B4-4.5D	5/4/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
B4	4.5D	B4-4.5D	5/4/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
B4	4.5D	B4-4.5D	5/4/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
B4	4.5D	B4-4.5D	5/4/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
B4	4.5D	B4-4.5D	5/4/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
B4	4.5D	B4-4.5D	5/4/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
B4	4.5D	B4-4.5D	5/4/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
B4	4.5D	B4-4.5D	5/4/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
B4	4.5D	B4-4.5D	5/4/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
B4	4.5D	B4-4.5D	5/4/2016	71-43-2	Benzene	ND	µg/kg	1
B4	4.5D	B4-4.5D	5/4/2016	108-86-1	Bromobenzene	ND	µg/kg	1
B4	4.5D	B4-4.5D	5/4/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
B4	4.5D	B4-4.5D	5/4/2016	75-25-2	Bromoform	ND	µg/kg	1
B4	4.5D	B4-4.5D	5/4/2016	56-23-5	Carbon tetrachloride	ND	µg/kg	1
B4	4.5D	B4-4.5D	5/4/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
B4	4.5D	B4-4.5D	5/4/2016	67-66-3	Chloroform	ND	µg/kg	1
B4	4.5D	B4-4.5D	5/4/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
B4	4.5D	B4-4.5D	5/4/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
B4	4.5D	B4-4.5D	5/4/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
B4	4.5D	B4-4.5D	5/4/2016	74-95-3	Dibromomethane	ND	µg/kg	1

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
B4	4.5D	B4-4.5D	5/4/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
B4	4.5D	B4-4.5D	5/4/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
B4	4.5D	B4-4.5D	5/4/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
B4	4.5D	B4-4.5D	5/4/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
B4	4.5D	B4-4.5D	5/4/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
B4	4.5D	B4-4.5D	5/4/2016	76-13-1	Freon 113	ND	µg/kg	5
B4	4.5D	B4-4.5D	5/4/2016	N/A	Gasoline Range Organics	ND	µg/kg	0.2
B4	4.5D	B4-4.5D	5/4/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
B4	4.5D	B4-4.5D	5/4/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
B4	4.5D	B4-4.5D	5/4/2016	75-09-2	Methylene chloride	ND	µg/kg	1
B4	4.5D	B4-4.5D	5/4/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
B4	4.5D	B4-4.5D	5/4/2016	91-20-3	Naphthalene	ND	µg/kg	1
B4	4.5D	B4-4.5D	5/4/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
B4	4.5D	B4-4.5D	5/4/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
B4	4.5D	B4-4.5D	5/4/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
B4	4.5D	B4-4.5D	5/4/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
B4	4.5D	B4-4.5D	5/4/2016	100-42-5	Styrene	ND	µg/kg	1
B4	4.5D	B4-4.5D	5/4/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
B4	4.5D	B4-4.5D	5/4/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
B4	4.5D	B4-4.5D	5/4/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
B4	4.5D	B4-4.5D	5/4/2016	127-18-4	Tetrachloroethylene	21.2	µg/kg	1
B4	4.5D	B4-4.5D	5/4/2016	108-88-3	Toluene	ND	µg/kg	1
B4	4.5D	B4-4.5D	5/4/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
B4	4.5D	B4-4.5D	5/4/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
B4	4.5D	B4-4.5D	5/4/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
B4	4.5D	B4-4.5D	5/4/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
B4	4.5D	B4-4.5D	5/4/2016	75-01-4	Vinyl chloride	ND	µg/kg	1
B4	4.5D	B4-4.5D	5/4/2016	108-38-3	Xylenes	ND	µg/kg	1
B5	1	B5-1'	5/4/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
B5	1	B5-1'	5/4/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
B5	1	B5-1'	5/4/2016	7440-39-3	Barium, Ba	66.2	mg/kg	0.5
B5	1	B5-1'	5/4/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
B5	1	B5-1'	5/4/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
B5	1	B5-1'	5/4/2016	7440-48-4	Cobalt, Co	10.4	mg/kg	0.5
B5	1	B5-1'	5/4/2016	7440-47-3	Chromium, Cr	16.4	mg/kg	0.5
B5	1	B5-1'	5/4/2016	7440-50-8	Copper, Cu	10.7	mg/kg	0.5
B5	1	B5-1'	5/4/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
B5	1	B5-1'	5/4/2016	7440-02-0	Nickel, Ni	8.7	mg/kg	0.5
B5	1	B5-1'	5/4/2016	7439-92-1	Lead, Pb	ND	mg/kg	0.5
B5	1	B5-1'	5/4/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
B5	1	B5-1'	5/4/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
B5	1	B5-1'	5/4/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
B5	1	B5-1'	5/4/2016	7440-62-2	Vanadium, V	27.4	mg/kg	0.5
B5	1	B5-1'	5/4/2016	7440-66-6	Zinc, Zn	37.6	mg/kg	0.5
B5	1	B5-1'	5/4/2016	7439-97-6	Mercury, Hg	0.038	mg/kg	0.02
B5	1	B5-1'	5/4/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
B5	1	B5-1'	5/4/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
B5	1	B5-1'	5/4/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
B5	1	B5-1'	5/4/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
B5	1	B5-1'	5/4/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
B5	1	B5-1'	5/4/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
B5	1	B5-1'	5/4/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
B5	1	B5-1'	5/4/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
B5	1	B5-1'	5/4/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
B5	1	B5-1'	5/4/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
B5	1	B5-1'	5/4/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
B5	1	B5-1'	5/4/2016	96-12-8	1,2-Dibromo-3-chloropropane	ND	µg/kg	1
B5	1	B5-1'	5/4/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
B5	1	B5-1'	5/4/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
B5	1	B5-1'	5/4/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
B5	1	B5-1'	5/4/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
B5	1	B5-1'	5/4/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
B5	1	B5-1'	5/4/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
B5	1	B5-1'	5/4/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
B5	1	B5-1'	5/4/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
B5	1	B5-1'	5/4/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
B5	1	B5-1'	5/4/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
B5	1	B5-1'	5/4/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
B5	1	B5-1'	5/4/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
B5	1	B5-1'	5/4/2016	71-43-2	Benzene	ND	µg/kg	1
B5	1	B5-1'	5/4/2016	108-86-1	Bromobenzene	ND	µg/kg	1
B5	1	B5-1'	5/4/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
B5	1	B5-1'	5/4/2016	75-25-2	Bromoform	ND	µg/kg	1
B5	1	B5-1'	5/4/2016	56-23-5	Carbon tetrachloride	ND	µg/kg	1

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
B5	1	B5-1'	5/4/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
B5	1	B5-1'	5/4/2016	67-66-3	Chloroform	ND	µg/kg	1
B5	1	B5-1'	5/4/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
B5	1	B5-1'	5/4/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
B5	1	B5-1'	5/4/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
B5	1	B5-1'	5/4/2016	74-95-3	Dibromomethane	ND	µg/kg	1
B5	1	B5-1'	5/4/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
B5	1	B5-1'	5/4/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
B5	1	B5-1'	5/4/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
B5	1	B5-1'	5/4/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
B5	1	B5-1'	5/4/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
B5	1	B5-1'	5/4/2016	76-13-1	Freon 113	ND	µg/kg	5
B5	1	B5-1'	5/4/2016	N/A	Gasoline Range Organics	ND	µg/kg	0.2
B5	1	B5-1'	5/4/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
B5	1	B5-1'	5/4/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
B5	1	B5-1'	5/4/2016	75-09-2	Methylene chloride	ND	µg/kg	1
B5	1	B5-1'	5/4/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
B5	1	B5-1'	5/4/2016	91-20-3	Naphthalene	ND	µg/kg	1
B5	1	B5-1'	5/4/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
B5	1	B5-1'	5/4/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
B5	1	B5-1'	5/4/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
B5	1	B5-1'	5/4/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
B5	1	B5-1'	5/4/2016	100-42-5	Styrene	ND	µg/kg	1
B5	1	B5-1'	5/4/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
B5	1	B5-1'	5/4/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
B5	1	B5-1'	5/4/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
B5	1	B5-1'	5/4/2016	127-18-4	Tetrachloroethylene	29.6	µg/kg	1
B5	1	B5-1'	5/4/2016	108-88-3	Toluene	ND	µg/kg	1
B5	1	B5-1'	5/4/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
B5	1	B5-1'	5/4/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
B5	1	B5-1'	5/4/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
B5	1	B5-1'	5/4/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
B5	1	B5-1'	5/4/2016	75-01-4	Vinyl chloride	ND	µg/kg	1
B5	1	B5-1'	5/4/2016	108-38-3	Xylenes	ND	µg/kg	1
B5	4.5	B5-4.5'	5/4/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
B5	4.5	B5-4.5'	5/4/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
B5	4.5	B5-4.5'	5/4/2016	7440-39-3	Barium, Ba	215	mg/kg	0.5
B5	4.5	B5-4.5'	5/4/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
B5	4.5	B5-4.5'	5/4/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
B5	4.5	B5-4.5'	5/4/2016	7440-48-4	Cobalt, Co	10.6	mg/kg	0.5
B5	4.5	B5-4.5'	5/4/2016	7440-47-3	Chromium, Cr	16.2	mg/kg	0.5
B5	4.5	B5-4.5'	5/4/2016	7440-50-8	Copper, Cu	17.2	mg/kg	0.5
B5	4.5	B5-4.5'	5/4/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
B5	4.5	B5-4.5'	5/4/2016	7440-02-0	Nickel, Ni	11.1	mg/kg	0.5
B5	4.5	B5-4.5'	5/4/2016	7439-92-1	Lead, Pb	1.1	mg/kg	0.5
B5	4.5	B5-4.5'	5/4/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
B5	4.5	B5-4.5'	5/4/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
B5	4.5	B5-4.5'	5/4/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
B5	4.5	B5-4.5'	5/4/2016	7440-62-2	Vanadium, V	45	mg/kg	0.5
B5	4.5	B5-4.5'	5/4/2016	7440-66-6	Zinc, Zn	45.4	mg/kg	5
B5	4.5	B5-4.5'	5/4/2016	7439-97-6	Mercury, Hg	0.047	mg/kg	0.02
B5	4.5	B5-4.5'	5/4/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
B5	4.5	B5-4.5'	5/4/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
B5	4.5	B5-4.5'	5/4/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
B5	4.5	B5-4.5'	5/4/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
B5	4.5	B5-4.5'	5/4/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
B5	4.5	B5-4.5'	5/4/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
B5	4.5	B5-4.5'	5/4/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
B5	4.5	B5-4.5'	5/4/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
B5	4.5	B5-4.5'	5/4/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
B5	4.5	B5-4.5'	5/4/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
B5	4.5	B5-4.5'	5/4/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
B5	4.5	B5-4.5'	5/4/2016	96-12-8	1,2-Dibromo-3-chloropropane	ND	µg/kg	1
B5	4.5	B5-4.5'	5/4/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
B5	4.5	B5-4.5'	5/4/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
B5	4.5	B5-4.5'	5/4/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
B5	4.5	B5-4.5'	5/4/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
B5	4.5	B5-4.5'	5/4/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
B5	4.5	B5-4.5'	5/4/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
B5	4.5	B5-4.5'	5/4/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
B5	4.5	B5-4.5'	5/4/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
B5	4.5	B5-4.5'	5/4/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
B5	4.5	B5-4.5'	5/4/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
B5	4.5	B5-4.5'	5/4/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
B5	4.5	B5-4.5'	5/4/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
B5	4.5	B5-4.5'	5/4/2016	71-43-2	Benzene	ND	µg/kg	1
B5	4.5	B5-4.5'	5/4/2016	108-86-1	Bromobenzene	ND	µg/kg	1
B5	4.5	B5-4.5'	5/4/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
B5	4.5	B5-4.5'	5/4/2016	75-25-2	Bromoform	ND	µg/kg	1
B5	4.5	B5-4.5'	5/4/2016	56-23-5	Carbon tetrachloride	ND	µg/kg	1
B5	4.5	B5-4.5'	5/4/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
B5	4.5	B5-4.5'	5/4/2016	67-66-3	Chloroform	ND	µg/kg	1
B5	4.5	B5-4.5'	5/4/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
B5	4.5	B5-4.5'	5/4/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
B5	4.5	B5-4.5'	5/4/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
B5	4.5	B5-4.5'	5/4/2016	74-95-3	Dibromomethane	ND	µg/kg	1
B5	4.5	B5-4.5'	5/4/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
B5	4.5	B5-4.5'	5/4/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
B5	4.5	B5-4.5'	5/4/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
B5	4.5	B5-4.5'	5/4/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
B5	4.5	B5-4.5'	5/4/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
B5	4.5	B5-4.5'	5/4/2016	76-13-1	Freon 113	ND	µg/kg	5
B5	4.5	B5-4.5'	5/4/2016	N/A	Gasoline Range Organics	ND	µg/kg	0.2
B5	4.5	B5-4.5'	5/4/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
B5	4.5	B5-4.5'	5/4/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
B5	4.5	B5-4.5'	5/4/2016	75-09-2	Methylene chloride	ND	µg/kg	1
B5	4.5	B5-4.5'	5/4/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
B5	4.5	B5-4.5'	5/4/2016	91-20-3	Naphthalene	ND	µg/kg	1
B5	4.5	B5-4.5'	5/4/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
B5	4.5	B5-4.5'	5/4/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
B5	4.5	B5-4.5'	5/4/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
B5	4.5	B5-4.5'	5/4/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
B5	4.5	B5-4.5'	5/4/2016	100-42-5	Styrene	ND	µg/kg	1
B5	4.5	B5-4.5'	5/4/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
B5	4.5	B5-4.5'	5/4/2016	75-65-0	Tert-Butylalcohol (TBA)	ND	µg/kg	50
B5	4.5	B5-4.5'	5/4/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
B5	4.5	B5-4.5'	5/4/2016	127-18-4	Tetrachloroethylene	148	µg/kg	1
B5	4.5	B5-4.5'	5/4/2016	108-88-3	Toluene	ND	µg/kg	1
B5	4.5	B5-4.5'	5/4/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
B5	4.5	B5-4.5'	5/4/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
B5	4.5	B5-4.5'	5/4/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
B5	4.5	B5-4.5'	5/4/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
B5	4.5	B5-4.5'	5/4/2016	75-01-4	Vinyl chloride	ND	µg/kg	1
B5	4.5	B5-4.5'	5/4/2016	108-38-3	Xylenes	ND	µg/kg	1
B5	8.5	B5-8.5'	5/4/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
B5	8.5	B5-8.5'	5/4/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
B5	8.5	B5-8.5'	5/4/2016	7440-39-3	Barium, Ba	162	mg/kg	0.5
B5	8.5	B5-8.5'	5/4/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
B5	8.5	B5-8.5'	5/4/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
B5	8.5	B5-8.5'	5/4/2016	7440-48-4	Cobalt, Co	13.8	mg/kg	0.5
B5	8.5	B5-8.5'	5/4/2016	7440-47-3	Chromium, Cr	25.3	mg/kg	0.5
B5	8.5	B5-8.5'	5/4/2016	7440-50-8	Copper, Cu	28	mg/kg	0.5
B5	8.5	B5-8.5'	5/4/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
B5	8.5	B5-8.5'	5/4/2016	7440-02-0	Nickel, Ni	18.1	mg/kg	0.5
B5	8.5	B5-8.5'	5/4/2016	7439-92-1	Lead, Pb	2.4	mg/kg	0.5
B5	8.5	B5-8.5'	5/4/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
B5	8.5	B5-8.5'	5/4/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
B5	8.5	B5-8.5'	5/4/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
B5	8.5	B5-8.5'	5/4/2016	7440-62-2	Vanadium, V	52.9	mg/kg	0.5
B5	8.5	B5-8.5'	5/4/2016	7440-66-6	Zinc, Zn	56.8	mg/kg	0.5
B5	8.5	B5-8.5'	5/4/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
B5	8.5	B5-8.5'	5/4/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
B5	8.5	B5-8.5'	5/4/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
B5	8.5	B5-8.5'	5/4/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
B5	8.5	B5-8.5'	5/4/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
B5	8.5	B5-8.5'	5/4/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
B5	8.5	B5-8.5'	5/4/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
B5	8.5	B5-8.5'	5/4/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
B5	8.5	B5-8.5'	5/4/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
B5	8.5	B5-8.5'	5/4/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
B5	8.5	B5-8.5'	5/4/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
B5	8.5	B5-8.5'	5/4/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
B5	8.5	B5-8.5'	5/4/2016	96-12-8	1,2-Dibromo-3-chloropropane	ND	µg/kg	1
B5	8.5	B5-8.5'	5/4/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
B5	8.5	B5-8.5'	5/4/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
B5	8.5	B5-8.5'	5/4/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
B5	8.5	B5-8.5'	5/4/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
B5	8.5	B5-8.5'	5/4/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
B5	8.5	B5-8.5'	5/4/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
B5	8.5	B5-8.5'	5/4/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
B5	8.5	B5-8.5'	5/4/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
B5	8.5	B5-8.5'	5/4/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
B5	8.5	B5-8.5'	5/4/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
B5	8.5	B5-8.5'	5/4/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
B5	8.5	B5-8.5'	5/4/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
B5	8.5	B5-8.5'	5/4/2016	71-43-2	Benzene	ND	µg/kg	1
B5	8.5	B5-8.5'	5/4/2016	108-86-1	Bromobenzene	ND	µg/kg	1
B5	8.5	B5-8.5'	5/4/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
B5	8.5	B5-8.5'	5/4/2016	75-25-2	Bromoform	ND	µg/kg	1
B5	8.5	B5-8.5'	5/4/2016	56-23-5	Carbon tetrachloride	ND	µg/kg	1
B5	8.5	B5-8.5'	5/4/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
B5	8.5	B5-8.5'	5/4/2016	67-66-3	Chloroform	ND	µg/kg	1
B5	8.5	B5-8.5'	5/4/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
B5	8.5	B5-8.5'	5/4/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
B5	8.5	B5-8.5'	5/4/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
B5	8.5	B5-8.5'	5/4/2016	74-95-3	Dibromomethane	ND	µg/kg	1
B5	8.5	B5-8.5'	5/4/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
B5	8.5	B5-8.5'	5/4/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
B5	8.5	B5-8.5'	5/4/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
B5	8.5	B5-8.5'	5/4/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
B5	8.5	B5-8.5'	5/4/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
B5	8.5	B5-8.5'	5/4/2016	76-13-1	Freon 113	ND	µg/kg	5
B5	8.5	B5-8.5'	5/4/2016	N/A	Gasoline Range Organics	ND	µg/kg	0.2
B5	8.5	B5-8.5'	5/4/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
B5	8.5	B5-8.5'	5/4/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
B5	8.5	B5-8.5'	5/4/2016	75-09-2	Methylene chloride	ND	µg/kg	1
B5	8.5	B5-8.5'	5/4/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
B5	8.5	B5-8.5'	5/4/2016	91-20-3	Naphthalene	ND	µg/kg	1
B5	8.5	B5-8.5'	5/4/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
B5	8.5	B5-8.5'	5/4/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
B5	8.5	B5-8.5'	5/4/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
B5	8.5	B5-8.5'	5/4/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
B5	8.5	B5-8.5'	5/4/2016	100-42-5	Styrene	ND	µg/kg	1
B5	8.5	B5-8.5'	5/4/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
B5	8.5	B5-8.5'	5/4/2016	75-65-0	Tert-Butylalcohol (TBA)	ND	µg/kg	50
B5	8.5	B5-8.5'	5/4/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
B5	8.5	B5-8.5'	5/4/2016	127-18-4	Tetrachloroethylene	161	µg/kg	1
B5	8.5	B5-8.5'	5/4/2016	108-88-3	Toluene	ND	µg/kg	1
B5	8.5	B5-8.5'	5/4/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
B5	8.5	B5-8.5'	5/4/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
B5	8.5	B5-8.5'	5/4/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
B5	8.5	B5-8.5'	5/4/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
B5	8.5	B5-8.5'	5/4/2016	75-01-4	Vinyl chloride	ND	µg/kg	1
B5	8.5	B5-8.5'	5/4/2016	108-38-3	Xylenes	ND	µg/kg	1
B6	1	B6-1'	5/4/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
B6	1	B6-1'	5/4/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
B6	1	B6-1'	5/4/2016	7440-39-3	Barium, Ba	153	mg/kg	0.5
B6	1	B6-1'	5/4/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
B6	1	B6-1'	5/4/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
B6	1	B6-1'	5/4/2016	7440-48-4	Cobalt, Co	13.5	mg/kg	0.5
B6	1	B6-1'	5/4/2016	7440-47-3	Chromium, Cr	24	mg/kg	0.5
B6	1	B6-1'	5/4/2016	7440-50-8	Copper, Cu	24.6	mg/kg	0.5
B6	1	B6-1'	5/4/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
B6	1	B6-1'	5/4/2016	7440-02-0	Nickel, Ni	16	mg/kg	0.5
B6	1	B6-1'	5/4/2016	7439-92-1	Lead, Pb	2.2	mg/kg	0.5
B6	1	B6-1'	5/4/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
B6	1	B6-1'	5/4/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
B6	1	B6-1'	5/4/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
B6	1	B6-1'	5/4/2016	7440-62-2	Vanadium, V	52.8	mg/kg	0.5
B6	1	B6-1'	5/4/2016	7440-66-6	Zinc, Zn	58.2	mg/kg	0.5
B6	1	B6-1'	5/4/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
B6	1	B6-1'	5/4/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
B6	1	B6-1'	5/4/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
B6	1	B6-1'	5/4/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
B6	1	B6-1'	5/4/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
B6	1	B6-1'	5/4/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
B6	1	B6-1'	5/4/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
B6	1	B6-1'	5/4/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
B6	1	B6-1'	5/4/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
B6	1	B6-1'	5/4/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
B6	1	B6-1'	5/4/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
B6	1	B6-1'	5/4/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
B6	1	B6-1'	5/4/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
B6	1	B6-1'	5/4/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
B6	1	B6-1'	5/4/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
B6	1	B6-1'	5/4/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
B6	1	B6-1'	5/4/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
B6	1	B6-1'	5/4/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
B6	1	B6-1'	5/4/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
B6	1	B6-1'	5/4/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
B6	1	B6-1'	5/4/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
B6	1	B6-1'	5/4/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
B6	1	B6-1'	5/4/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
B6	1	B6-1'	5/4/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
B6	1	B6-1'	5/4/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
B6	1	B6-1'	5/4/2016	71-43-2	Benzene	ND	µg/kg	1
B6	1	B6-1'	5/4/2016	108-86-1	Bromobenzene	ND	µg/kg	1
B6	1	B6-1'	5/4/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
B6	1	B6-1'	5/4/2016	75-25-2	Bromoform	ND	µg/kg	1
B6	1	B6-1'	5/4/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
B6	1	B6-1'	5/4/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
B6	1	B6-1'	5/4/2016	67-66-3	Chloroform	ND	µg/kg	1
B6	1	B6-1'	5/4/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
B6	1	B6-1'	5/4/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
B6	1	B6-1'	5/4/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
B6	1	B6-1'	5/4/2016	74-95-3	Dibromomethane	ND	µg/kg	1
B6	1	B6-1'	5/4/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
B6	1	B6-1'	5/4/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
B6	1	B6-1'	5/4/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
B6	1	B6-1'	5/4/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
B6	1	B6-1'	5/4/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
B6	1	B6-1'	5/4/2016	76-13-1	Freon 113	ND	µg/kg	5
B6	1	B6-1'	5/4/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
B6	1	B6-1'	5/4/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
B6	1	B6-1'	5/4/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
B6	1	B6-1'	5/4/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
B6	1	B6-1'	5/4/2016	91-20-3	Naphthalene	ND	µg/kg	1
B6	1	B6-1'	5/4/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
B6	1	B6-1'	5/4/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
B6	1	B6-1'	5/4/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
B6	1	B6-1'	5/4/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
B6	1	B6-1'	5/4/2016	100-42-5	Styrene	ND	µg/kg	1
B6	1	B6-1'	5/4/2016	75-65-0	Tert-Butylalcohol (TBA)	ND	µg/kg	50
B6	1	B6-1'	5/4/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
B6	1	B6-1'	5/4/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
B6	1	B6-1'	5/4/2016	127-18-4	Tetrachloroethylene	28.7	µg/kg	1
B6	1	B6-1'	5/4/2016	108-88-3	Toluene	ND	µg/kg	1
B6	1	B6-1'	5/4/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
B6	1	B6-1'	5/4/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
B6	1	B6-1'	5/4/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
B6	1	B6-1'	5/4/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
B6	1	B6-1'	5/4/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
B6	1	B6-1'	5/4/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
B6	1	B6-1'	5/4/2016	108-38-3	Xylenes	ND	µg/kg	1
B6	4.5	B6-4.5'	5/4/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
B6	4.5	B6-4.5'	5/4/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
B6	4.5	B6-4.5'	5/4/2016	7440-39-3	Barium, Ba	125	mg/kg	0.5
B6	4.5	B6-4.5'	5/4/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
B6	4.5	B6-4.5'	5/4/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
B6	4.5	B6-4.5'	5/4/2016	7440-48-4	Cobalt, Co	10.1	mg/kg	0.5
B6	4.5	B6-4.5'	5/4/2016	7440-47-3	Chromium, Cr	16.1	mg/kg	0.5
B6	4.5	B6-4.5'	5/4/2016	7440-50-8	Copper, Cu	17.9	mg/kg	0.5
B6	4.5	B6-4.5'	5/4/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
B6	4.5	B6-4.5'	5/4/2016	7440-02-0	Nickel, Ni	11.4	mg/kg	0.5
B6	4.5	B6-4.5'	5/4/2016	7439-92-1	Lead, Pb	1	mg/kg	0.5
B6	4.5	B6-4.5'	5/4/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
B6	4.5	B6-4.5'	5/4/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
B6	4.5	B6-4.5'	5/4/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
B6	4.5	B6-4.5'	5/4/2016	7440-62-2	Vanadium, V	43.2	mg/kg	0.5
B6	4.5	B6-4.5'	5/4/2016	7440-66-6	Zinc, Zn	41.1	mg/kg	0.5
B6	4.5	B6-4.5'	5/4/2016	7439-97-6	Mercury, Hg	0.044	mg/kg	0.02
B6	4.5	B6-4.5'	5/4/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
B6	4.5	B6-4.5'	5/4/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
B6	4.5	B6-4.5'	5/4/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
B6	4.5	B6-4.5'	5/4/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
B6	4.5	B6-4.5'	5/4/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
B6	4.5	B6-4.5'	5/4/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
B6	4.5	B6-4.5'	5/4/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
B6	4.5	B6-4.5'	5/4/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
B6	4.5	B6-4.5'	5/4/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
B6	4.5	B6-4.5'	5/4/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
B6	4.5	B6-4.5'	5/4/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
B6	4.5	B6-4.5'	5/4/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
B6	4.5	B6-4.5'	5/4/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
B6	4.5	B6-4.5'	5/4/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
B6	4.5	B6-4.5'	5/4/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
B6	4.5	B6-4.5'	5/4/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
B6	4.5	B6-4.5'	5/4/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
B6	4.5	B6-4.5'	5/4/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
B6	4.5	B6-4.5'	5/4/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
B6	4.5	B6-4.5'	5/4/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
B6	4.5	B6-4.5'	5/4/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
B6	4.5	B6-4.5'	5/4/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
B6	4.5	B6-4.5'	5/4/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
B6	4.5	B6-4.5'	5/4/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
B6	4.5	B6-4.5'	5/4/2016	71-43-2	Benzene	ND	µg/kg	1
B6	4.5	B6-4.5'	5/4/2016	108-86-1	Bromobenzene	ND	µg/kg	1
B6	4.5	B6-4.5'	5/4/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
B6	4.5	B6-4.5'	5/4/2016	75-25-2	Bromoform	ND	µg/kg	1
B6	4.5	B6-4.5'	5/4/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
B6	4.5	B6-4.5'	5/4/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
B6	4.5	B6-4.5'	5/4/2016	67-66-3	Chloroform	ND	µg/kg	1
B6	4.5	B6-4.5'	5/4/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
B6	4.5	B6-4.5'	5/4/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
B6	4.5	B6-4.5'	5/4/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
B6	4.5	B6-4.5'	5/4/2016	74-95-3	Dibromomethane	ND	µg/kg	1
B6	4.5	B6-4.5'	5/4/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
B6	4.5	B6-4.5'	5/4/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
B6	4.5	B6-4.5'	5/4/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
B6	4.5	B6-4.5'	5/4/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
B6	4.5	B6-4.5'	5/4/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
B6	4.5	B6-4.5'	5/4/2016	76-13-1	Freon 113	ND	µg/kg	5
B6	4.5	B6-4.5'	5/4/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
B6	4.5	B6-4.5'	5/4/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
B6	4.5	B6-4.5'	5/4/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
B6	4.5	B6-4.5'	5/4/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
B6	4.5	B6-4.5'	5/4/2016	91-20-3	Naphthalene	ND	µg/kg	1
B6	4.5	B6-4.5'	5/4/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
B6	4.5	B6-4.5'	5/4/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
B6	4.5	B6-4.5'	5/4/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
B6	4.5	B6-4.5'	5/4/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
B6	4.5	B6-4.5'	5/4/2016	100-42-5	Styrene	ND	µg/kg	1
B6	4.5	B6-4.5'	5/4/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
B6	4.5	B6-4.5'	5/4/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
B6	4.5	B6-4.5'	5/4/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
B6	4.5	B6-4.5'	5/4/2016	127-18-4	Tetrachloroethylene	33.1	µg/kg	1
B6	4.5	B6-4.5'	5/4/2016	108-88-3	Toluene	ND	µg/kg	1
B6	4.5	B6-4.5'	5/4/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
B6	4.5	B6-4.5'	5/4/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
B6	4.5	B6-4.5'	5/4/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
B6	4.5	B6-4.5'	5/4/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
B6	4.5	B6-4.5'	5/4/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
B6	4.5	B6-4.5'	5/4/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
B6	4.5	B6-4.5'	5/4/2016	108-38-3	Xylenes	ND	µg/kg	1
B6	8.5	B6-8.5'	5/4/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
B6	8.5	B6-8.5'	5/4/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
B6	8.5	B6-8.5'	5/4/2016	7440-39-3	Barium, Ba	197	mg/kg	0.5
B6	8.5	B6-8.5'	5/4/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
B6	8.5	B6-8.5'	5/4/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
B6	8.5	B6-8.5'	5/4/2016	7440-48-4	Cobalt, Co	18.7	mg/kg	0.5
B6	8.5	B6-8.5'	5/4/2016	7440-47-3	Chromium, Cr	31.8	mg/kg	0.5
B6	8.5	B6-8.5'	5/4/2016	7440-50-8	Copper, Cu	37.9	mg/kg	0.5
B6	8.5	B6-8.5'	5/4/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
B6	8.5	B6-8.5'	5/4/2016	7440-02-0	Nickel, Ni	23.6	mg/kg	0.5
B6	8.5	B6-8.5'	5/4/2016	7439-92-1	Lead, Pb	5.1	mg/kg	0.5
B6	8.5	B6-8.5'	5/4/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
B6	8.5	B6-8.5'	5/4/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
B6	8.5	B6-8.5'	5/4/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
B6	8.5	B6-8.5'	5/4/2016	7440-62-2	Vanadium, V	67.3	mg/kg	0.5
B6	8.5	B6-8.5'	5/4/2016	7440-66-6	Zinc, Zn	78	mg/kg	0.5

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
B6	8.5	B6-8.5'	5/4/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
B6	8.5	B6-8.5'	5/4/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
B6	8.5	B6-8.5'	5/4/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
B6	8.5	B6-8.5'	5/4/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
B6	8.5	B6-8.5'	5/4/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
B6	8.5	B6-8.5'	5/4/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
B6	8.5	B6-8.5'	5/4/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
B6	8.5	B6-8.5'	5/4/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
B6	8.5	B6-8.5'	5/4/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
B6	8.5	B6-8.5'	5/4/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
B6	8.5	B6-8.5'	5/4/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
B6	8.5	B6-8.5'	5/4/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
B6	8.5	B6-8.5'	5/4/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
B6	8.5	B6-8.5'	5/4/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
B6	8.5	B6-8.5'	5/4/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
B6	8.5	B6-8.5'	5/4/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
B6	8.5	B6-8.5'	5/4/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
B6	8.5	B6-8.5'	5/4/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
B6	8.5	B6-8.5'	5/4/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
B6	8.5	B6-8.5'	5/4/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
B6	8.5	B6-8.5'	5/4/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
B6	8.5	B6-8.5'	5/4/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
B6	8.5	B6-8.5'	5/4/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
B6	8.5	B6-8.5'	5/4/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
B6	8.5	B6-8.5'	5/4/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
B6	8.5	B6-8.5'	5/4/2016	71-43-2	Benzene	ND	µg/kg	1
B6	8.5	B6-8.5'	5/4/2016	108-86-1	Bromobenzene	ND	µg/kg	1
B6	8.5	B6-8.5'	5/4/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
B6	8.5	B6-8.5'	5/4/2016	75-25-2	Bromoform	ND	µg/kg	1
B6	8.5	B6-8.5'	5/4/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
B6	8.5	B6-8.5'	5/4/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
B6	8.5	B6-8.5'	5/4/2016	67-66-3	Chloroform	ND	µg/kg	1
B6	8.5	B6-8.5'	5/4/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
B6	8.5	B6-8.5'	5/4/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
B6	8.5	B6-8.5'	5/4/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
B6	8.5	B6-8.5'	5/4/2016	74-95-3	Dibromomethane	ND	µg/kg	1
B6	8.5	B6-8.5'	5/4/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
B6	8.5	B6-8.5'	5/4/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
B6	8.5	B6-8.5'	5/4/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
B6	8.5	B6-8.5'	5/4/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
B6	8.5	B6-8.5'	5/4/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
B6	8.5	B6-8.5'	5/4/2016	76-13-1	Freon 113	ND	µg/kg	5
B6	8.5	B6-8.5'	5/4/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
B6	8.5	B6-8.5'	5/4/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
B6	8.5	B6-8.5'	5/4/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
B6	8.5	B6-8.5'	5/4/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
B6	8.5	B6-8.5'	5/4/2016	91-20-3	Naphthalene	ND	µg/kg	1
B6	8.5	B6-8.5'	5/4/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
B6	8.5	B6-8.5'	5/4/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
B6	8.5	B6-8.5'	5/4/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
B6	8.5	B6-8.5'	5/4/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
B6	8.5	B6-8.5'	5/4/2016	100-42-5	Styrene	ND	µg/kg	1
B6	8.5	B6-8.5'	5/4/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	5
B6	8.5	B6-8.5'	5/4/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
B6	8.5	B6-8.5'	5/4/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
B6	8.5	B6-8.5'	5/4/2016	127-18-4	Tetrachloroethylene	22.1	µg/kg	1
B6	8.5	B6-8.5'	5/4/2016	108-88-3	Toluene	ND	µg/kg	1
B6	8.5	B6-8.5'	5/4/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
B6	8.5	B6-8.5'	5/4/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
B6	8.5	B6-8.5'	5/4/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
B6	8.5	B6-8.5'	5/4/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
B6	8.5	B6-8.5'	5/4/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
B6	8.5	B6-8.5'	5/4/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
B6	8.5	B6-8.5'	5/4/2016	108-38-3	Xylenes	ND	µg/kg	1
B7	1	B7-1'	5/5/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
B7	1	B7-1'	5/5/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
B7	1	B7-1'	5/5/2016	7440-39-3	Barium, Ba	128	mg/kg	0.5
B7	1	B7-1'	5/5/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
B7	1	B7-1'	5/5/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
B7	1	B7-1'	5/5/2016	7440-48-4	Cobalt, Co	11	mg/kg	0.5
B7	1	B7-1'	5/5/2016	7440-47-3	Chromium, Cr	17.9	mg/kg	0.5
B7	1	B7-1'	5/5/2016	7440-50-8	Copper, Cu	22.6	mg/kg	0.5
B7	1	B7-1'	5/5/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
B7	1	B7-1'	5/5/2016	7440-02-0	Nickel, Ni	10.8	mg/kg	0.5

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
B7	1	B7-1'	5/5/2016	7439-92-1	Lead, Pb	59.6	mg/kg	0.5
B7	1	B7-1'	5/5/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
B7	1	B7-1'	5/5/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
B7	1	B7-1'	5/5/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
B7	1	B7-1'	5/5/2016	7440-62-2	Vanadium, V	41.1	mg/kg	0.5
B7	1	B7-1'	5/5/2016	7440-66-6	Zinc, Zn	62.8	mg/kg	0.5
B7	1	B7-1'	5/5/2016	7439-97-6	Mercury, Hg	0.03	mg/kg	0.02
B7	1	B7-1'	5/5/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
B7	1	B7-1'	5/5/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
B7	1	B7-1'	5/5/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
B7	1	B7-1'	5/5/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
B7	1	B7-1'	5/5/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
B7	1	B7-1'	5/5/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
B7	1	B7-1'	5/5/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
B7	1	B7-1'	5/5/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
B7	1	B7-1'	5/5/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
B7	1	B7-1'	5/5/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
B7	1	B7-1'	5/5/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
B7	1	B7-1'	5/5/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
B7	1	B7-1'	5/5/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
B7	1	B7-1'	5/5/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
B7	1	B7-1'	5/5/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
B7	1	B7-1'	5/5/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
B7	1	B7-1'	5/5/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
B7	1	B7-1'	5/5/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
B7	1	B7-1'	5/5/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
B7	1	B7-1'	5/5/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
B7	1	B7-1'	5/5/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
B7	1	B7-1'	5/5/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
B7	1	B7-1'	5/5/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
B7	1	B7-1'	5/5/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
B7	1	B7-1'	5/5/2016	71-43-2	Benzene	1.7	µg/kg	1
B7	1	B7-1'	5/5/2016	108-86-1	Bromobenzene	ND	µg/kg	1
B7	1	B7-1'	5/5/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
B7	1	B7-1'	5/5/2016	75-25-2	Bromoform	ND	µg/kg	1
B7	1	B7-1'	5/5/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
B7	1	B7-1'	5/5/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
B7	1	B7-1'	5/5/2016	67-66-3	Chloroform	ND	µg/kg	1
B7	1	B7-1'	5/5/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
B7	1	B7-1'	5/5/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
B7	1	B7-1'	5/5/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
B7	1	B7-1'	5/5/2016	74-95-3	Dibromomethane	ND	µg/kg	1
B7	1	B7-1'	5/5/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
B7	1	B7-1'	5/5/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
B7	1	B7-1'	5/5/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
B7	1	B7-1'	5/5/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
B7	1	B7-1'	5/5/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
B7	1	B7-1'	5/5/2016	76-13-1	Freon 113	ND	µg/kg	5
B7	1	B7-1'	5/5/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
B7	1	B7-1'	5/5/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
B7	1	B7-1'	5/5/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
B7	1	B7-1'	5/5/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
B7	1	B7-1'	5/5/2016	91-20-3	Naphthalene	ND	µg/kg	1
B7	1	B7-1'	5/5/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
B7	1	B7-1'	5/5/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
B7	1	B7-1'	5/5/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
B7	1	B7-1'	5/5/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
B7	1	B7-1'	5/5/2016	100-42-5	Styrene	ND	µg/kg	1
B7	1	B7-1'	5/5/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
B7	1	B7-1'	5/5/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
B7	1	B7-1'	5/5/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
B7	1	B7-1'	5/5/2016	127-18-4	Tetrachloroethylene	5.8	µg/kg	1
B7	1	B7-1'	5/5/2016	108-88-3	Toluene	ND	µg/kg	1
B7	1	B7-1'	5/5/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
B7	1	B7-1'	5/5/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
B7	1	B7-1'	5/5/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
B7	1	B7-1'	5/5/2016	79-01-6	Trichloroethylene	1.6	µg/kg	1
B7	1	B7-1'	5/5/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
B7	1	B7-1'	5/5/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
B7	1	B7-1'	5/5/2016	108-38-3	Xylenes	ND	µg/kg	1
B7	4.5	B7-4.5'	5/5/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
B7	4.5	B7-4.5'	5/5/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
B7	4.5	B7-4.5'	5/5/2016	7440-39-3	Barium, Ba	189	mg/kg	0.5
B7	4.5	B7-4.5'	5/5/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
B7	4.5	B7-4.5'	5/5/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
B7	4.5	B7-4.5'	5/5/2016	7440-48-4	Cobalt, Co	16.9	mg/kg	0.5
B7	4.5	B7-4.5'	5/5/2016	7440-47-3	Chromium, Cr	29.7	mg/kg	0.5
B7	4.5	B7-4.5'	5/5/2016	7440-50-8	Copper, Cu	33.4	mg/kg	0.5
B7	4.5	B7-4.5'	5/5/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
B7	4.5	B7-4.5'	5/5/2016	7440-02-0	Nickel, Ni	20.5	mg/kg	0.5
B7	4.5	B7-4.5'	5/5/2016	7439-92-1	Lead, Pb	3.8	mg/kg	0.5
B7	4.5	B7-4.5'	5/5/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
B7	4.5	B7-4.5'	5/5/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
B7	4.5	B7-4.5'	5/5/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
B7	4.5	B7-4.5'	5/5/2016	7440-62-2	Vanadium, V	63.5	mg/kg	0.5
B7	4.5	B7-4.5'	5/5/2016	7440-66-6	Zinc, Zn	70.5	mg/kg	0.5
B7	4.5	B7-4.5'	5/5/2016	7439-97-6	Mercury, Hg	0.036	mg/kg	0.02
B7	4.5	B7-4.5'	5/5/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
B7	4.5	B7-4.5'	5/5/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
B7	4.5	B7-4.5'	5/5/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
B7	4.5	B7-4.5'	5/5/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
B7	4.5	B7-4.5'	5/5/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
B7	4.5	B7-4.5'	5/5/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
B7	4.5	B7-4.5'	5/5/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
B7	4.5	B7-4.5'	5/5/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
B7	4.5	B7-4.5'	5/5/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
B7	4.5	B7-4.5'	5/5/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
B7	4.5	B7-4.5'	5/5/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
B7	4.5	B7-4.5'	5/5/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
B7	4.5	B7-4.5'	5/5/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
B7	4.5	B7-4.5'	5/5/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
B7	4.5	B7-4.5'	5/5/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
B7	4.5	B7-4.5'	5/5/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
B7	4.5	B7-4.5'	5/5/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
B7	4.5	B7-4.5'	5/5/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
B7	4.5	B7-4.5'	5/5/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
B7	4.5	B7-4.5'	5/5/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
B7	4.5	B7-4.5'	5/5/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
B7	4.5	B7-4.5'	5/5/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
B7	4.5	B7-4.5'	5/5/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
B7	4.5	B7-4.5'	5/5/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
B7	4.5	B7-4.5'	5/5/2016	71-43-2	Benzene	ND	µg/kg	1
B7	4.5	B7-4.5'	5/5/2016	108-86-1	Bromobenzene	ND	µg/kg	1
B7	4.5	B7-4.5'	5/5/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
B7	4.5	B7-4.5'	5/5/2016	75-25-2	Bromoform	ND	µg/kg	1
B7	4.5	B7-4.5'	5/5/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
B7	4.5	B7-4.5'	5/5/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
B7	4.5	B7-4.5'	5/5/2016	67-66-3	Chloroform	ND	µg/kg	1
B7	4.5	B7-4.5'	5/5/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
B7	4.5	B7-4.5'	5/5/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
B7	4.5	B7-4.5'	5/5/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
B7	4.5	B7-4.5'	5/5/2016	74-95-3	Dibromomethane	ND	µg/kg	1
B7	4.5	B7-4.5'	5/5/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
B7	4.5	B7-4.5'	5/5/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
B7	4.5	B7-4.5'	5/5/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
B7	4.5	B7-4.5'	5/5/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
B7	4.5	B7-4.5'	5/5/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
B7	4.5	B7-4.5'	5/5/2016	76-13-1	Freon 113	ND	µg/kg	5
B7	4.5	B7-4.5'	5/5/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
B7	4.5	B7-4.5'	5/5/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
B7	4.5	B7-4.5'	5/5/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
B7	4.5	B7-4.5'	5/5/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
B7	4.5	B7-4.5'	5/5/2016	91-20-3	Naphthalene	ND	µg/kg	1
B7	4.5	B7-4.5'	5/5/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
B7	4.5	B7-4.5'	5/5/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
B7	4.5	B7-4.5'	5/5/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
B7	4.5	B7-4.5'	5/5/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
B7	4.5	B7-4.5'	5/5/2016	100-42-5	Styrene	ND	µg/kg	1
B7	4.5	B7-4.5'	5/5/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
B7	4.5	B7-4.5'	5/5/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
B7	4.5	B7-4.5'	5/5/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
B7	4.5	B7-4.5'	5/5/2016	127-18-4	Tetrachloroethylene	22.1	µg/kg	1
B7	4.5	B7-4.5'	5/5/2016	108-88-3	Toluene	ND	µg/kg	1
B7	4.5	B7-4.5'	5/5/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
B7	4.5	B7-4.5'	5/5/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
B7	4.5	B7-4.5'	5/5/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
B7	4.5	B7-4.5'	5/5/2016	79-01-6	Trichloroethylene	13.6	µg/kg	1
B7	4.5	B7-4.5'	5/5/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
B7	4.5	B7-4.5'	5/5/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
B7	4.5	B7-4.5'	5/5/2016	108-38-3	Xylenes	ND	µg/kg	1
B7	8.5	B7-8.5'	5/5/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
B7	8.5	B7-8.5'	5/5/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
B7	8.5	B7-8.5'	5/5/2016	7440-39-3	Barium, Ba	81.2	mg/kg	0.5
B7	8.5	B7-8.5'	5/5/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
B7	8.5	B7-8.5'	5/5/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
B7	8.5	B7-8.5'	5/5/2016	7440-48-4	Cobalt, Co	8	mg/kg	0.5
B7	8.5	B7-8.5'	5/5/2016	7440-47-3	Chromium, Cr	17.8	mg/kg	0.5
B7	8.5	B7-8.5'	5/5/2016	7440-50-8	Copper, Cu	19.7	mg/kg	0.5
B7	8.5	B7-8.5'	5/5/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
B7	8.5	B7-8.5'	5/5/2016	7440-02-0	Nickel, Ni	16.9	mg/kg	0.5
B7	8.5	B7-8.5'	5/5/2016	7439-92-1	Lead, Pb	0.7	mg/kg	0.5
B7	8.5	B7-8.5'	5/5/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
B7	8.5	B7-8.5'	5/5/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
B7	8.5	B7-8.5'	5/5/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
B7	8.5	B7-8.5'	5/5/2016	7440-62-2	Vanadium, V	33.8	mg/kg	0.5
B7	8.5	B7-8.5'	5/5/2016	7440-66-6	Zinc, Zn	32.3	mg/kg	0.5
B7	8.5	B7-8.5'	5/5/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
B7	8.5	B7-8.5'	5/5/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
B7	8.5	B7-8.5'	5/5/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
B7	8.5	B7-8.5'	5/5/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
B7	8.5	B7-8.5'	5/5/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
B7	8.5	B7-8.5'	5/5/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
B7	8.5	B7-8.5'	5/5/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
B7	8.5	B7-8.5'	5/5/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
B7	8.5	B7-8.5'	5/5/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
B7	8.5	B7-8.5'	5/5/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
B7	8.5	B7-8.5'	5/5/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
B7	8.5	B7-8.5'	5/5/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
B7	8.5	B7-8.5'	5/5/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
B7	8.5	B7-8.5'	5/5/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
B7	8.5	B7-8.5'	5/5/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
B7	8.5	B7-8.5'	5/5/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
B7	8.5	B7-8.5'	5/5/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
B7	8.5	B7-8.5'	5/5/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
B7	8.5	B7-8.5'	5/5/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
B7	8.5	B7-8.5'	5/5/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
B7	8.5	B7-8.5'	5/5/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
B7	8.5	B7-8.5'	5/5/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
B7	8.5	B7-8.5'	5/5/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
B7	8.5	B7-8.5'	5/5/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
B7	8.5	B7-8.5'	5/5/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
B7	8.5	B7-8.5'	5/5/2016	71-43-2	Benzene	ND	µg/kg	1
B7	8.5	B7-8.5'	5/5/2016	108-86-1	Bromobenzene	ND	µg/kg	1
B7	8.5	B7-8.5'	5/5/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
B7	8.5	B7-8.5'	5/5/2016	75-25-2	Bromoform	ND	µg/kg	1
B7	8.5	B7-8.5'	5/5/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
B7	8.5	B7-8.5'	5/5/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
B7	8.5	B7-8.5'	5/5/2016	67-66-3	Chloroform	ND	µg/kg	1
B7	8.5	B7-8.5'	5/5/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
B7	8.5	B7-8.5'	5/5/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
B7	8.5	B7-8.5'	5/5/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
B7	8.5	B7-8.5'	5/5/2016	74-95-3	Dibromomethane	ND	µg/kg	1
B7	8.5	B7-8.5'	5/5/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
B7	8.5	B7-8.5'	5/5/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
B7	8.5	B7-8.5'	5/5/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
B7	8.5	B7-8.5'	5/5/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
B7	8.5	B7-8.5'	5/5/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
B7	8.5	B7-8.5'	5/5/2016	76-13-1	Freon 113	ND	µg/kg	5
B7	8.5	B7-8.5'	5/5/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
B7	8.5	B7-8.5'	5/5/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
B7	8.5	B7-8.5'	5/5/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
B7	8.5	B7-8.5'	5/5/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
B7	8.5	B7-8.5'	5/5/2016	91-20-3	Naphthalene	ND	µg/kg	1
B7	8.5	B7-8.5'	5/5/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
B7	8.5	B7-8.5'	5/5/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
B7	8.5	B7-8.5'	5/5/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
B7	8.5	B7-8.5'	5/5/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
B7	8.5	B7-8.5'	5/5/2016	100-42-5	Styrene	ND	µg/kg	1
B7	8.5	B7-8.5'	5/5/2016	75-65-0	Tert-Butylalcohol (TBA)	ND	µg/kg	50
B7	8.5	B7-8.5'	5/5/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
B7	8.5	B7-8.5'	5/5/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
B7	8.5	B7-8.5'	5/5/2016	127-18-4	Tetrachloroethylene	ND	µg/kg	1

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
B7	8.5	B7-8.5'	5/5/2016	108-88-3	Toluene	ND	µg/kg	1
B7	8.5	B7-8.5'	5/5/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
B7	8.5	B7-8.5'	5/5/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
B7	8.5	B7-8.5'	5/5/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
B7	8.5	B7-8.5'	5/5/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
B7	8.5	B7-8.5'	5/5/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
B7	8.5	B7-8.5'	5/5/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
B7	8.5	B7-8.5'	5/5/2016	108-38-3	Xylenes	ND	µg/kg	1
B8	1	B8-1'	5/5/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
B8	1	B8-1'	5/5/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
B8	1	B8-1'	5/5/2016	7440-39-3	Barium, Ba	87.8	mg/kg	0.5
B8	1	B8-1'	5/5/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
B8	1	B8-1'	5/5/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
B8	1	B8-1'	5/5/2016	7440-48-4	Cobalt, Co	7.6	mg/kg	0.5
B8	1	B8-1'	5/5/2016	7440-47-3	Chromium, Cr	10.2	mg/kg	0.5
B8	1	B8-1'	5/5/2016	7440-50-8	Copper, Cu	12.3	mg/kg	0.5
B8	1	B8-1'	5/5/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
B8	1	B8-1'	5/5/2016	7440-02-0	Nickel, Ni	6.8	mg/kg	0.5
B8	1	B8-1'	5/5/2016	7439-92-1	Lead, Pb	2.5	mg/kg	0.5
B8	1	B8-1'	5/5/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
B8	1	B8-1'	5/5/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
B8	1	B8-1'	5/5/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
B8	1	B8-1'	5/5/2016	7440-62-2	Vanadium, V	28.2	mg/kg	0.5
B8	1	B8-1'	5/5/2016	7440-66-6	Zinc, Zn	40.4	mg/kg	0.5
B8	1	B8-1'	5/5/2016	7439-97-6	Mercury, Hg	0.022	mg/kg	0.02
B8	1	B8-1'	5/5/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
B8	1	B8-1'	5/5/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
B8	1	B8-1'	5/5/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
B8	1	B8-1'	5/5/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
B8	1	B8-1'	5/5/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
B8	1	B8-1'	5/5/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
B8	1	B8-1'	5/5/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
B8	1	B8-1'	5/5/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
B8	1	B8-1'	5/5/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
B8	1	B8-1'	5/5/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
B8	1	B8-1'	5/5/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
B8	1	B8-1'	5/5/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
B8	1	B8-1'	5/5/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
B8	1	B8-1'	5/5/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
B8	1	B8-1'	5/5/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
B8	1	B8-1'	5/5/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
B8	1	B8-1'	5/5/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
B8	1	B8-1'	5/5/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
B8	1	B8-1'	5/5/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
B8	1	B8-1'	5/5/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
B8	1	B8-1'	5/5/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
B8	1	B8-1'	5/5/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
B8	1	B8-1'	5/5/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
B8	1	B8-1'	5/5/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
B8	1	B8-1'	5/5/2016	71-43-2	Benzene	4.3	µg/kg	1
B8	1	B8-1'	5/5/2016	108-86-1	Bromobenzene	ND	µg/kg	1
B8	1	B8-1'	5/5/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
B8	1	B8-1'	5/5/2016	75-25-2	Bromoform	ND	µg/kg	1
B8	1	B8-1'	5/5/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
B8	1	B8-1'	5/5/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
B8	1	B8-1'	5/5/2016	67-66-3	Chloroform	ND	µg/kg	1
B8	1	B8-1'	5/5/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
B8	1	B8-1'	5/5/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
B8	1	B8-1'	5/5/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
B8	1	B8-1'	5/5/2016	74-95-3	Dibromomethane	ND	µg/kg	1
B8	1	B8-1'	5/5/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
B8	1	B8-1'	5/5/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
B8	1	B8-1'	5/5/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
B8	1	B8-1'	5/5/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
B8	1	B8-1'	5/5/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
B8	1	B8-1'	5/5/2016	76-13-1	Freon 113	ND	µg/kg	5
B8	1	B8-1'	5/5/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
B8	1	B8-1'	5/5/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
B8	1	B8-1'	5/5/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
B8	1	B8-1'	5/5/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
B8	1	B8-1'	5/5/2016	91-20-3	Naphthalene	ND	µg/kg	1
B8	1	B8-1'	5/5/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
B8	1	B8-1'	5/5/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
B8	1	B8-1'	5/5/2016	N/A	ORO (C29-C32)	ND	µg/kg	10

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
B8	1	B8-1'	5/5/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
B8	1	B8-1'	5/5/2016	100-42-5	Styrene	ND	µg/kg	1
B8	1	B8-1'	5/5/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
B8	1	B8-1'	5/5/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
B8	1	B8-1'	5/5/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
B8	1	B8-1'	5/5/2016	127-18-4	Tetrachloroethylene	13.9	µg/kg	1
B8	1	B8-1'	5/5/2016	108-88-3	Toluene	ND	µg/kg	1
B8	1	B8-1'	5/5/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
B8	1	B8-1'	5/5/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
B8	1	B8-1'	5/5/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
B8	1	B8-1'	5/5/2016	79-01-6	Trichloroethylene	19.8	µg/kg	1
B8	1	B8-1'	5/5/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
B8	1	B8-1'	5/5/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
B8	1	B8-1'	5/5/2016	108-38-3	Xylenes	ND	µg/kg	1
B8	4.5	B8-4.5'	5/5/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
B8	4.5	B8-4.5'	5/5/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
B8	4.5	B8-4.5'	5/5/2016	7440-39-3	Barium, Ba	184	mg/kg	0.5
B8	4.5	B8-4.5'	5/5/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
B8	4.5	B8-4.5'	5/5/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
B8	4.5	B8-4.5'	5/5/2016	7440-48-4	Cobalt, Co	17	mg/kg	0.5
B8	4.5	B8-4.5'	5/5/2016	7440-47-3	Chromium, Cr	29.5	mg/kg	0.5
B8	4.5	B8-4.5'	5/5/2016	7440-50-8	Copper, Cu	32	mg/kg	0.5
B8	4.5	B8-4.5'	5/5/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
B8	4.5	B8-4.5'	5/5/2016	7440-02-0	Nickel, Ni	20.8	mg/kg	0.5
B8	4.5	B8-4.5'	5/5/2016	7439-92-1	Lead, Pb	2.8	mg/kg	0.5
B8	4.5	B8-4.5'	5/5/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
B8	4.5	B8-4.5'	5/5/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
B8	4.5	B8-4.5'	5/5/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
B8	4.5	B8-4.5'	5/5/2016	7440-62-2	Vanadium, V	64.3	mg/kg	0.5
B8	4.5	B8-4.5'	5/5/2016	7440-66-6	Zinc, Zn	67.8	mg/kg	0.5
B8	4.5	B8-4.5'	5/5/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
B8	4.5	B8-4.5'	5/5/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
B8	4.5	B8-4.5'	5/5/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
B8	4.5	B8-4.5'	5/5/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
B8	4.5	B8-4.5'	5/5/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
B8	4.5	B8-4.5'	5/5/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
B8	4.5	B8-4.5'	5/5/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
B8	4.5	B8-4.5'	5/5/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
B8	4.5	B8-4.5'	5/5/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
B8	4.5	B8-4.5'	5/5/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
B8	4.5	B8-4.5'	5/5/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
B8	4.5	B8-4.5'	5/5/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
B8	4.5	B8-4.5'	5/5/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
B8	4.5	B8-4.5'	5/5/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
B8	4.5	B8-4.5'	5/5/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
B8	4.5	B8-4.5'	5/5/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
B8	4.5	B8-4.5'	5/5/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
B8	4.5	B8-4.5'	5/5/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
B8	4.5	B8-4.5'	5/5/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
B8	4.5	B8-4.5'	5/5/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
B8	4.5	B8-4.5'	5/5/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
B8	4.5	B8-4.5'	5/5/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
B8	4.5	B8-4.5'	5/5/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
B8	4.5	B8-4.5'	5/5/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
B8	4.5	B8-4.5'	5/5/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
B8	4.5	B8-4.5'	5/5/2016	71-43-2	Benzene	ND	µg/kg	1
B8	4.5	B8-4.5'	5/5/2016	108-86-1	Bromobenzene	ND	µg/kg	1
B8	4.5	B8-4.5'	5/5/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
B8	4.5	B8-4.5'	5/5/2016	75-25-2	Bromoform	ND	µg/kg	1
B8	4.5	B8-4.5'	5/5/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
B8	4.5	B8-4.5'	5/5/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
B8	4.5	B8-4.5'	5/5/2016	67-66-3	Chloroform	ND	µg/kg	1
B8	4.5	B8-4.5'	5/5/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
B8	4.5	B8-4.5'	5/5/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
B8	4.5	B8-4.5'	5/5/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
B8	4.5	B8-4.5'	5/5/2016	74-95-3	Dibromomethane	ND	µg/kg	1
B8	4.5	B8-4.5'	5/5/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
B8	4.5	B8-4.5'	5/5/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
B8	4.5	B8-4.5'	5/5/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
B8	4.5	B8-4.5'	5/5/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
B8	4.5	B8-4.5'	5/5/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
B8	4.5	B8-4.5'	5/5/2016	76-13-1	Freon 113	ND	µg/kg	5
B8	4.5	B8-4.5'	5/5/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
B8	4.5	B8-4.5'	5/5/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
B8	4.5	B8-4.5'	5/5/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
B8	4.5	B8-4.5'	5/5/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
B8	4.5	B8-4.5'	5/5/2016	91-20-3	Naphthalene	ND	µg/kg	1
B8	4.5	B8-4.5'	5/5/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
B8	4.5	B8-4.5'	5/5/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
B8	4.5	B8-4.5'	5/5/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
B8	4.5	B8-4.5'	5/5/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
B8	4.5	B8-4.5'	5/5/2016	100-42-5	Styrene	ND	µg/kg	1
B8	4.5	B8-4.5'	5/5/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
B8	4.5	B8-4.5'	5/5/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
B8	4.5	B8-4.5'	5/5/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
B8	4.5	B8-4.5'	5/5/2016	127-18-4	Tetrachloroethylene	3.3	µg/kg	1
B8	4.5	B8-4.5'	5/5/2016	108-88-3	Toluene	ND	µg/kg	1
B8	4.5	B8-4.5'	5/5/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
B8	4.5	B8-4.5'	5/5/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
B8	4.5	B8-4.5'	5/5/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
B8	4.5	B8-4.5'	5/5/2016	79-01-6	Trichloroethylene	1	µg/kg	1
B8	4.5	B8-4.5'	5/5/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
B8	4.5	B8-4.5'	5/5/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
B8	4.5	B8-4.5'	5/5/2016	108-38-3	Xylenes	ND	µg/kg	1
B8	8.5	B8-8.5'	5/5/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
B8	8.5	B8-8.5'	5/5/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
B8	8.5	B8-8.5'	5/5/2016	7440-39-3	Barium, Ba	153	mg/kg	0.5
B8	8.5	B8-8.5'	5/5/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
B8	8.5	B8-8.5'	5/5/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
B8	8.5	B8-8.5'	5/5/2016	7440-48-4	Cobalt, Co	13.8	mg/kg	0.5
B8	8.5	B8-8.5'	5/5/2016	7440-47-3	Chromium, Cr	22.4	mg/kg	0.5
B8	8.5	B8-8.5'	5/5/2016	7440-50-8	Copper, Cu	25.2	mg/kg	0.5
B8	8.5	B8-8.5'	5/5/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
B8	8.5	B8-8.5'	5/5/2016	7440-02-0	Nickel, Ni	15.5	mg/kg	0.5
B8	8.5	B8-8.5'	5/5/2016	7439-92-1	Lead, Pb	1.8	mg/kg	0.5
B8	8.5	B8-8.5'	5/5/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
B8	8.5	B8-8.5'	5/5/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
B8	8.5	B8-8.5'	5/5/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
B8	8.5	B8-8.5'	5/5/2016	7440-62-2	Vanadium, V	52.9	mg/kg	0.5
B8	8.5	B8-8.5'	5/5/2016	7440-66-6	Zinc, Zn	50.6	mg/kg	0.5
B8	8.5	B8-8.5'	5/5/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
B8	8.5	B8-8.5'	5/5/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
B8	8.5	B8-8.5'	5/5/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
B8	8.5	B8-8.5'	5/5/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
B8	8.5	B8-8.5'	5/5/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
B8	8.5	B8-8.5'	5/5/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
B8	8.5	B8-8.5'	5/5/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
B8	8.5	B8-8.5'	5/5/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
B8	8.5	B8-8.5'	5/5/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
B8	8.5	B8-8.5'	5/5/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
B8	8.5	B8-8.5'	5/5/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
B8	8.5	B8-8.5'	5/5/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
B8	8.5	B8-8.5'	5/5/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
B8	8.5	B8-8.5'	5/5/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
B8	8.5	B8-8.5'	5/5/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
B8	8.5	B8-8.5'	5/5/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
B8	8.5	B8-8.5'	5/5/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
B8	8.5	B8-8.5'	5/5/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
B8	8.5	B8-8.5'	5/5/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
B8	8.5	B8-8.5'	5/5/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
B8	8.5	B8-8.5'	5/5/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
B8	8.5	B8-8.5'	5/5/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
B8	8.5	B8-8.5'	5/5/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
B8	8.5	B8-8.5'	5/5/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
B8	8.5	B8-8.5'	5/5/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
B8	8.5	B8-8.5'	5/5/2016	71-43-2	Benzene	ND	µg/kg	1
B8	8.5	B8-8.5'	5/5/2016	108-86-1	Bromobenzene	ND	µg/kg	1
B8	8.5	B8-8.5'	5/5/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
B8	8.5	B8-8.5'	5/5/2016	75-25-2	Bromoform	ND	µg/kg	1
B8	8.5	B8-8.5'	5/5/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
B8	8.5	B8-8.5'	5/5/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
B8	8.5	B8-8.5'	5/5/2016	67-66-3	Chloroform	ND	µg/kg	1
B8	8.5	B8-8.5'	5/5/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
B8	8.5	B8-8.5'	5/5/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
B8	8.5	B8-8.5'	5/5/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
B8	8.5	B8-8.5'	5/5/2016	74-95-3	Dibromomethane	ND	µg/kg	1
B8	8.5	B8-8.5'	5/5/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
B8	8.5	B8-8.5'	5/5/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
B8	8.5	B8-8.5'	5/5/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
B8	8.5	B8-8.5'	5/5/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
B8	8.5	B8-8.5'	5/5/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
B8	8.5	B8-8.5'	5/5/2016	76-13-1	Freon 113	ND	µg/kg	5
B8	8.5	B8-8.5'	5/5/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
B8	8.5	B8-8.5'	5/5/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
B8	8.5	B8-8.5'	5/5/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
B8	8.5	B8-8.5'	5/5/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
B8	8.5	B8-8.5'	5/5/2016	91-20-3	Naphthalene	ND	µg/kg	1
B8	8.5	B8-8.5'	5/5/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
B8	8.5	B8-8.5'	5/5/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
B8	8.5	B8-8.5'	5/5/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
B8	8.5	B8-8.5'	5/5/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
B8	8.5	B8-8.5'	5/5/2016	100-42-5	Styrene	ND	µg/kg	1
B8	8.5	B8-8.5'	5/5/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
B8	8.5	B8-8.5'	5/5/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
B8	8.5	B8-8.5'	5/5/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
B8	8.5	B8-8.5'	5/5/2016	127-18-4	Tetrachloroethylene	5.5	µg/kg	1
B8	8.5	B8-8.5'	5/5/2016	108-88-3	Toluene	ND	µg/kg	1
B8	8.5	B8-8.5'	5/5/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
B8	8.5	B8-8.5'	5/5/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
B8	8.5	B8-8.5'	5/5/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
B8	8.5	B8-8.5'	5/5/2016	79-01-6	Trichloroethylene	1.2	µg/kg	1
B8	8.5	B8-8.5'	5/5/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
B8	8.5	B8-8.5'	5/5/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
B8	8.5	B8-8.5'	5/5/2016	108-38-3	Xylenes	ND	µg/kg	1
B8	8.5D	B8-8.5D	5/5/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
B8	8.5D	B8-8.5D	5/5/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
B8	8.5D	B8-8.5D	5/5/2016	7440-39-3	Barium, Ba	131	mg/kg	0.5
B8	8.5D	B8-8.5D	5/5/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
B8	8.5D	B8-8.5D	5/5/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
B8	8.5D	B8-8.5D	5/5/2016	7440-48-4	Cobalt, Co	13.2	mg/kg	0.5
B8	8.5D	B8-8.5D	5/5/2016	7440-47-3	Chromium, Cr	21.8	mg/kg	0.5
B8	8.5D	B8-8.5D	5/5/2016	7440-50-8	Copper, Cu	23.7	mg/kg	0.5
B8	8.5D	B8-8.5D	5/5/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
B8	8.5D	B8-8.5D	5/5/2016	7440-02-0	Nickel, Ni	15.3	mg/kg	0.5
B8	8.5D	B8-8.5D	5/5/2016	7439-92-1	Lead, Pb	1.9	mg/kg	0.5
B8	8.5D	B8-8.5D	5/5/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
B8	8.5D	B8-8.5D	5/5/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
B8	8.5D	B8-8.5D	5/5/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
B8	8.5D	B8-8.5D	5/5/2016	7440-62-2	Vanadium, V	50.5	mg/kg	0.5
B8	8.5D	B8-8.5D	5/5/2016	7440-66-6	Zinc, Zn	48.9	mg/kg	0.5
B8	8.5D	B8-8.5D	5/5/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
B8	8.5D	B8-8.5D	5/5/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
B8	8.5D	B8-8.5D	5/5/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
B8	8.5D	B8-8.5D	5/5/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
B8	8.5D	B8-8.5D	5/5/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
B8	8.5D	B8-8.5D	5/5/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
B8	8.5D	B8-8.5D	5/5/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
B8	8.5D	B8-8.5D	5/5/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
B8	8.5D	B8-8.5D	5/5/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
B8	8.5D	B8-8.5D	5/5/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
B8	8.5D	B8-8.5D	5/5/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
B8	8.5D	B8-8.5D	5/5/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
B8	8.5D	B8-8.5D	5/5/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
B8	8.5D	B8-8.5D	5/5/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
B8	8.5D	B8-8.5D	5/5/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
B8	8.5D	B8-8.5D	5/5/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
B8	8.5D	B8-8.5D	5/5/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
B8	8.5D	B8-8.5D	5/5/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
B8	8.5D	B8-8.5D	5/5/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
B8	8.5D	B8-8.5D	5/5/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
B8	8.5D	B8-8.5D	5/5/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
B8	8.5D	B8-8.5D	5/5/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
B8	8.5D	B8-8.5D	5/5/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
B8	8.5D	B8-8.5D	5/5/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
B8	8.5D	B8-8.5D	5/5/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
B8	8.5D	B8-8.5D	5/5/2016	71-43-2	Benzene	ND	µg/kg	1
B8	8.5D	B8-8.5D	5/5/2016	108-86-1	Bromobenzene	ND	µg/kg	1
B8	8.5D	B8-8.5D	5/5/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
B8	8.5D	B8-8.5D	5/5/2016	75-25-2	Bromoform	ND	µg/kg	1
B8	8.5D	B8-8.5D	5/5/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
B8	8.5D	B8-8.5D	5/5/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
B8	8.5D	B8-8.5D	5/5/2016	67-66-3	Chloroform	ND	µg/kg	1

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
B8	8.5D	B8-8.5D	5/5/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
B8	8.5D	B8-8.5D	5/5/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
B8	8.5D	B8-8.5D	5/5/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
B8	8.5D	B8-8.5D	5/5/2016	74-95-3	Dibromomethane	ND	µg/kg	1
B8	8.5D	B8-8.5D	5/5/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	1
B8	8.5D	B8-8.5D	5/5/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	1
B8	8.5D	B8-8.5D	5/5/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
B8	8.5D	B8-8.5D	5/5/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
B8	8.5D	B8-8.5D	5/5/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	1
B8	8.5D	B8-8.5D	5/5/2016	76-13-1	Freon 113	ND	µg/kg	1
B8	8.5D	B8-8.5D	5/5/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
B8	8.5D	B8-8.5D	5/5/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
B8	8.5D	B8-8.5D	5/5/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
B8	8.5D	B8-8.5D	5/5/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	1
B8	8.5D	B8-8.5D	5/5/2016	91-20-3	Naphthalene	ND	µg/kg	1
B8	8.5D	B8-8.5D	5/5/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
B8	8.5D	B8-8.5D	5/5/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
B8	8.5D	B8-8.5D	5/5/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
B8	8.5D	B8-8.5D	5/5/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
B8	8.5D	B8-8.5D	5/5/2016	100-42-5	Styrene	ND	µg/kg	1
B8	8.5D	B8-8.5D	5/5/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	1
B8	8.5D	B8-8.5D	5/5/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	1
B8	8.5D	B8-8.5D	5/5/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
B8	8.5D	B8-8.5D	5/5/2016	127-18-4	Tetrachloroethylene	6	µg/kg	1
B8	8.5D	B8-8.5D	5/5/2016	108-88-3	Toluene	ND	µg/kg	1
B8	8.5D	B8-8.5D	5/5/2016	N/A	TPH Gasoline Range	ND	µg/kg	1
B8	8.5D	B8-8.5D	5/5/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
B8	8.5D	B8-8.5D	5/5/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
B8	8.5D	B8-8.5D	5/5/2016	79-01-6	Trichloroethylene	1.3	µg/kg	1
B8	8.5D	B8-8.5D	5/5/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	1
B8	8.5D	B8-8.5D	5/5/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
B8	8.5D	B8-8.5D	5/5/2016	108-38-3	Xylenes	ND	µg/kg	1
B9	1	B9-1'	5/5/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
B9	1	B9-1'	5/5/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
B9	1	B9-1'	5/5/2016	7440-39-3	Barium, Ba	116	mg/kg	0.5
B9	1	B9-1'	5/5/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
B9	1	B9-1'	5/5/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
B9	1	B9-1'	5/5/2016	7440-48-4	Cobalt, Co	10	mg/kg	0.5
B9	1	B9-1'	5/5/2016	7440-47-3	Chromium, Cr	14.3	mg/kg	0.5
B9	1	B9-1'	5/5/2016	7440-50-8	Copper, Cu	18	mg/kg	0.5
B9	1	B9-1'	5/5/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
B9	1	B9-1'	5/5/2016	7440-02-0	Nickel, Ni	9.8	mg/kg	0.5
B9	1	B9-1'	5/5/2016	7439-92-1	Lead, Pb	4.7	mg/kg	0.5
B9	1	B9-1'	5/5/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
B9	1	B9-1'	5/5/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
B9	1	B9-1'	5/5/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
B9	1	B9-1'	5/5/2016	7440-62-2	Vanadium, V	37.2	mg/kg	0.5
B9	1	B9-1'	5/5/2016	7440-66-6	Zinc, Zn	57	mg/kg	0.5
B9	1	B9-1'	5/5/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
B9	1	B9-1'	5/5/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
B9	1	B9-1'	5/5/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
B9	1	B9-1'	5/5/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
B9	1	B9-1'	5/5/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
B9	1	B9-1'	5/5/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
B9	1	B9-1'	5/5/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
B9	1	B9-1'	5/5/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
B9	1	B9-1'	5/5/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
B9	1	B9-1'	5/5/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
B9	1	B9-1'	5/5/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
B9	1	B9-1'	5/5/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
B9	1	B9-1'	5/5/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
B9	1	B9-1'	5/5/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
B9	1	B9-1'	5/5/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
B9	1	B9-1'	5/5/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
B9	1	B9-1'	5/5/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
B9	1	B9-1'	5/5/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
B9	1	B9-1'	5/5/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
B9	1	B9-1'	5/5/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
B9	1	B9-1'	5/5/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
B9	1	B9-1'	5/5/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
B9	1	B9-1'	5/5/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
B9	1	B9-1'	5/5/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
B9	1	B9-1'	5/5/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
B9	1	B9-1'	5/5/2016	71-43-2	Benzene	ND	µg/kg	1

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
B9	1	B9-1'	5/5/2016	108-86-1	Bromobenzene	ND	µg/kg	1
B9	1	B9-1'	5/5/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
B9	1	B9-1'	5/5/2016	75-25-2	Bromoform	ND	µg/kg	1
B9	1	B9-1'	5/5/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
B9	1	B9-1'	5/5/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
B9	1	B9-1'	5/5/2016	67-66-3	Chloroform	ND	µg/kg	1
B9	1	B9-1'	5/5/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
B9	1	B9-1'	5/5/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
B9	1	B9-1'	5/5/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
B9	1	B9-1'	5/5/2016	74-95-3	Dibromomethane	ND	µg/kg	1
B9	1	B9-1'	5/5/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
B9	1	B9-1'	5/5/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
B9	1	B9-1'	5/5/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
B9	1	B9-1'	5/5/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
B9	1	B9-1'	5/5/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
B9	1	B9-1'	5/5/2016	76-13-1	Ethyl 113	ND	µg/kg	5
B9	1	B9-1'	5/5/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
B9	1	B9-1'	5/5/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
B9	1	B9-1'	5/5/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
B9	1	B9-1'	5/5/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
B9	1	B9-1'	5/5/2016	91-20-3	Naphthalene	ND	µg/kg	1
B9	1	B9-1'	5/5/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
B9	1	B9-1'	5/5/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
B9	1	B9-1'	5/5/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
B9	1	B9-1'	5/5/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
B9	1	B9-1'	5/5/2016	100-42-5	Styrene	ND	µg/kg	1
B9	1	B9-1'	5/5/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
B9	1	B9-1'	5/5/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
B9	1	B9-1'	5/5/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
B9	1	B9-1'	5/5/2016	127-18-4	Tetrachloroethylene	1.8	µg/kg	1
B9	1	B9-1'	5/5/2016	108-88-3	Toluene	ND	µg/kg	1
B9	1	B9-1'	5/5/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
B9	1	B9-1'	5/5/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
B9	1	B9-1'	5/5/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
B9	1	B9-1'	5/5/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
B9	1	B9-1'	5/5/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
B9	1	B9-1'	5/5/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
B9	1	B9-1'	5/5/2016	108-38-3	Xylenes	ND	µg/kg	1
B9	4.5	B9-4.5'	5/5/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
B9	4.5	B9-4.5'	5/5/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
B9	4.5	B9-4.5'	5/5/2016	7440-39-3	Barium, Ba	190	mg/kg	0.5
B9	4.5	B9-4.5'	5/5/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
B9	4.5	B9-4.5'	5/5/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
B9	4.5	B9-4.5'	5/5/2016	7440-48-4	Cobalt, Co	16.7	mg/kg	0.5
B9	4.5	B9-4.5'	5/5/2016	7440-47-3	Chromium, Cr	29.5	mg/kg	0.5
B9	4.5	B9-4.5'	5/5/2016	7440-50-8	Copper, Cu	33.3	mg/kg	0.5
B9	4.5	B9-4.5'	5/5/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
B9	4.5	B9-4.5'	5/5/2016	7440-02-0	Nickel, Ni	21	mg/kg	0.5
B9	4.5	B9-4.5'	5/5/2016	7439-92-1	Lead, Pb	3	mg/kg	0.5
B9	4.5	B9-4.5'	5/5/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
B9	4.5	B9-4.5'	5/5/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
B9	4.5	B9-4.5'	5/5/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
B9	4.5	B9-4.5'	5/5/2016	7440-62-2	Vanadium, V	62.8	mg/kg	0.5
B9	4.5	B9-4.5'	5/5/2016	7440-66-6	Zinc, Zn	68.4	mg/kg	0.5
B9	4.5	B9-4.5'	5/5/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
B9	4.5	B9-4.5'	5/5/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
B9	4.5	B9-4.5'	5/5/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
B9	4.5	B9-4.5'	5/5/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
B9	4.5	B9-4.5'	5/5/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
B9	4.5	B9-4.5'	5/5/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
B9	4.5	B9-4.5'	5/5/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
B9	4.5	B9-4.5'	5/5/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
B9	4.5	B9-4.5'	5/5/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
B9	4.5	B9-4.5'	5/5/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
B9	4.5	B9-4.5'	5/5/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
B9	4.5	B9-4.5'	5/5/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
B9	4.5	B9-4.5'	5/5/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
B9	4.5	B9-4.5'	5/5/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
B9	4.5	B9-4.5'	5/5/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
B9	4.5	B9-4.5'	5/5/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
B9	4.5	B9-4.5'	5/5/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
B9	4.5	B9-4.5'	5/5/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
B9	4.5	B9-4.5'	5/5/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
B9	4.5	B9-4.5'	5/5/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
B9	4.5	B9-4.5'	5/5/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
B9	4.5	B9-4.5'	5/5/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
B9	4.5	B9-4.5'	5/5/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
B9	4.5	B9-4.5'	5/5/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
B9	4.5	B9-4.5'	5/5/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
B9	4.5	B9-4.5'	5/5/2016	71-43-2	Benzene	ND	µg/kg	1
B9	4.5	B9-4.5'	5/5/2016	108-86-1	Bromobenzene	ND	µg/kg	1
B9	4.5	B9-4.5'	5/5/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
B9	4.5	B9-4.5'	5/5/2016	75-25-2	Bromoform	ND	µg/kg	1
B9	4.5	B9-4.5'	5/5/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
B9	4.5	B9-4.5'	5/5/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
B9	4.5	B9-4.5'	5/5/2016	67-66-3	Chloroform	ND	µg/kg	1
B9	4.5	B9-4.5'	5/5/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
B9	4.5	B9-4.5'	5/5/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
B9	4.5	B9-4.5'	5/5/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
B9	4.5	B9-4.5'	5/5/2016	74-95-3	Dibromomethane	ND	µg/kg	1
B9	4.5	B9-4.5'	5/5/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
B9	4.5	B9-4.5'	5/5/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
B9	4.5	B9-4.5'	5/5/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
B9	4.5	B9-4.5'	5/5/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
B9	4.5	B9-4.5'	5/5/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
B9	4.5	B9-4.5'	5/5/2016	76-13-1	Freon 113	ND	µg/kg	5
B9	4.5	B9-4.5'	5/5/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
B9	4.5	B9-4.5'	5/5/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
B9	4.5	B9-4.5'	5/5/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
B9	4.5	B9-4.5'	5/5/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
B9	4.5	B9-4.5'	5/5/2016	91-20-3	Naphthalene	ND	µg/kg	1
B9	4.5	B9-4.5'	5/5/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
B9	4.5	B9-4.5'	5/5/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
B9	4.5	B9-4.5'	5/5/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
B9	4.5	B9-4.5'	5/5/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
B9	4.5	B9-4.5'	5/5/2016	100-42-5	Styrene	ND	µg/kg	1
B9	4.5	B9-4.5'	5/5/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
B9	4.5	B9-4.5'	5/5/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
B9	4.5	B9-4.5'	5/5/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
B9	4.5	B9-4.5'	5/5/2016	127-18-4	Tetrachloroethylene	2.3	µg/kg	1
B9	4.5	B9-4.5'	5/5/2016	108-88-3	Toluene	ND	µg/kg	1
B9	4.5	B9-4.5'	5/5/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
B9	4.5	B9-4.5'	5/5/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
B9	4.5	B9-4.5'	5/5/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
B9	4.5	B9-4.5'	5/5/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
B9	4.5	B9-4.5'	5/5/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
B9	4.5	B9-4.5'	5/5/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
B9	4.5	B9-4.5'	5/5/2016	108-38-3	Xylenes	ND	µg/kg	1
B9	8.5	B9-8.5'	5/5/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
B9	8.5	B9-8.5'	5/5/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
B9	8.5	B9-8.5'	5/5/2016	7440-39-3	Barium, Ba	158	mg/kg	0.5
B9	8.5	B9-8.5'	5/5/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
B9	8.5	B9-8.5'	5/5/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
B9	8.5	B9-8.5'	5/5/2016	7440-48-4	Cobalt, Co	14.2	mg/kg	0.5
B9	8.5	B9-8.5'	5/5/2016	7440-47-3	Chromium, Cr	25.7	mg/kg	0.5
B9	8.5	B9-8.5'	5/5/2016	7440-50-8	Copper, Cu	25.8	mg/kg	0.5
B9	8.5	B9-8.5'	5/5/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
B9	8.5	B9-8.5'	5/5/2016	7440-02-0	Nickel, Ni	17.7	mg/kg	0.5
B9	8.5	B9-8.5'	5/5/2016	7439-92-1	Lead, Pb	2.1	mg/kg	0.5
B9	8.5	B9-8.5'	5/5/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
B9	8.5	B9-8.5'	5/5/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
B9	8.5	B9-8.5'	5/5/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
B9	8.5	B9-8.5'	5/5/2016	7440-62-2	Vanadium, V	56	mg/kg	0.5
B9	8.5	B9-8.5'	5/5/2016	7440-66-6	Zinc, Zn	56.1	mg/kg	0.5
B9	8.5	B9-8.5'	5/5/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
B9	8.5	B9-8.5'	5/5/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
B9	8.5	B9-8.5'	5/5/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
B9	8.5	B9-8.5'	5/5/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
B9	8.5	B9-8.5'	5/5/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
B9	8.5	B9-8.5'	5/5/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
B9	8.5	B9-8.5'	5/5/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
B9	8.5	B9-8.5'	5/5/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
B9	8.5	B9-8.5'	5/5/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
B9	8.5	B9-8.5'	5/5/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
B9	8.5	B9-8.5'	5/5/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
B9	8.5	B9-8.5'	5/5/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
B9	8.5	B9-8.5'	5/5/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
B9	8.5	B9-8.5'	5/5/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
B9	8.5	B9-8.5'	5/5/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
B9	8.5	B9-8.5'	5/5/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
B9	8.5	B9-8.5'	5/5/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
B9	8.5	B9-8.5'	5/5/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
B9	8.5	B9-8.5'	5/5/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
B9	8.5	B9-8.5'	5/5/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
B9	8.5	B9-8.5'	5/5/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
B9	8.5	B9-8.5'	5/5/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
B9	8.5	B9-8.5'	5/5/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
B9	8.5	B9-8.5'	5/5/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
B9	8.5	B9-8.5'	5/5/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
B9	8.5	B9-8.5'	5/5/2016	71-43-2	Benzene	ND	µg/kg	1
B9	8.5	B9-8.5'	5/5/2016	108-86-1	Bromobenzene	ND	µg/kg	1
B9	8.5	B9-8.5'	5/5/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
B9	8.5	B9-8.5'	5/5/2016	75-25-2	Bromoform	ND	µg/kg	1
B9	8.5	B9-8.5'	5/5/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
B9	8.5	B9-8.5'	5/5/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
B9	8.5	B9-8.5'	5/5/2016	67-66-3	Chloroform	ND	µg/kg	1
B9	8.5	B9-8.5'	5/5/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
B9	8.5	B9-8.5'	5/5/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
B9	8.5	B9-8.5'	5/5/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
B9	8.5	B9-8.5'	5/5/2016	74-95-3	Dibromomethane	ND	µg/kg	1
B9	8.5	B9-8.5'	5/5/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
B9	8.5	B9-8.5'	5/5/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
B9	8.5	B9-8.5'	5/5/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
B9	8.5	B9-8.5'	5/5/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
B9	8.5	B9-8.5'	5/5/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
B9	8.5	B9-8.5'	5/5/2016	76-13-1	Freon 113	ND	µg/kg	5
B9	8.5	B9-8.5'	5/5/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
B9	8.5	B9-8.5'	5/5/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
B9	8.5	B9-8.5'	5/5/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
B9	8.5	B9-8.5'	5/5/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
B9	8.5	B9-8.5'	5/5/2016	91-20-3	Naphthalene	ND	µg/kg	1
B9	8.5	B9-8.5'	5/5/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
B9	8.5	B9-8.5'	5/5/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
B9	8.5	B9-8.5'	5/5/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
B9	8.5	B9-8.5'	5/5/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
B9	8.5	B9-8.5'	5/5/2016	100-42-5	Styrene	ND	µg/kg	1
B9	8.5	B9-8.5'	5/5/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
B9	8.5	B9-8.5'	5/5/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
B9	8.5	B9-8.5'	5/5/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
B9	8.5	B9-8.5'	5/5/2016	127-18-4	Tetrachloroethylene	2	µg/kg	1
B9	8.5	B9-8.5'	5/5/2016	108-88-3	Toluene	ND	µg/kg	1
B9	8.5	B9-8.5'	5/5/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
B9	8.5	B9-8.5'	5/5/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
B9	8.5	B9-8.5'	5/5/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
B9	8.5	B9-8.5'	5/5/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
B9	8.5	B9-8.5'	5/5/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
B9	8.5	B9-8.5'	5/5/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
B9	8.5	B9-8.5'	5/5/2016	108-38-3	Xylenes	ND	µg/kg	1
B10	1	B10-1'	5/5/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
B10	1	B10-1'	5/5/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
B10	1	B10-1'	5/5/2016	7440-39-3	Barium, Ba	169	mg/kg	0.5
B10	1	B10-1'	5/5/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
B10	1	B10-1'	5/5/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
B10	1	B10-1'	5/5/2016	7440-48-4	Cobalt, Co	14.1	mg/kg	0.5
B10	1	B10-1'	5/5/2016	7440-47-3	Chromium, Cr	24.6	mg/kg	0.5
B10	1	B10-1'	5/5/2016	7440-50-8	Copper, Cu	25.6	mg/kg	0.5
B10	1	B10-1'	5/5/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
B10	1	B10-1'	5/5/2016	7440-02-0	Nickel, Ni	16.7	mg/kg	0.5
B10	1	B10-1'	5/5/2016	7439-92-1	Lead, Pb	5.2	mg/kg	0.5
B10	1	B10-1'	5/5/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
B10	1	B10-1'	5/5/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
B10	1	B10-1'	5/5/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
B10	1	B10-1'	5/5/2016	7440-62-2	Vanadium, V	56.1	mg/kg	0.5
B10	1	B10-1'	5/5/2016	7440-66-6	Zinc, Zn	69.3	mg/kg	0.5
B10	1	B10-1'	5/5/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
B10	1	B10-1'	5/7/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
B10	1	B10-1'	5/7/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
B10	1	B10-1'	5/7/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
B10	1	B10-1'	5/7/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
B10	1	B10-1'	5/7/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
B10	1	B10-1'	5/7/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
B10	1	B10-1'	5/7/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
B10	1	B10-1'	5/7/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
B10	1	B10-1'	5/7/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
B10	1	B10-1'	5/7/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
B10	1	B10-1'	5/7/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
B10	1	B10-1'	5/7/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
B10	1	B10-1'	5/7/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
B10	1	B10-1'	5/7/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
B10	1	B10-1'	5/7/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
B10	1	B10-1'	5/7/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
B10	1	B10-1'	5/7/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
B10	1	B10-1'	5/7/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
B10	1	B10-1'	5/7/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
B10	1	B10-1'	5/7/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
B10	1	B10-1'	5/7/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
B10	1	B10-1'	5/7/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
B10	1	B10-1'	5/7/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
B10	1	B10-1'	5/7/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
B10	1	B10-1'	5/7/2016	71-43-2	Benzene	ND	µg/kg	1
B10	1	B10-1'	5/7/2016	108-86-1	Bromobenzene	ND	µg/kg	1
B10	1	B10-1'	5/7/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
B10	1	B10-1'	5/7/2016	75-25-2	Bromoform	ND	µg/kg	1
B10	1	B10-1'	5/7/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
B10	1	B10-1'	5/7/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
B10	1	B10-1'	5/7/2016	67-66-3	Chloroform	ND	µg/kg	1
B10	1	B10-1'	5/7/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
B10	1	B10-1'	5/7/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
B10	1	B10-1'	5/7/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
B10	1	B10-1'	5/7/2016	74-95-3	Dibromomethane	ND	µg/kg	1
B10	1	B10-1'	5/7/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
B10	1	B10-1'	5/7/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
B10	1	B10-1'	5/5/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
B10	1	B10-1'	5/7/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
B10	1	B10-1'	5/7/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
B10	1	B10-1'	5/7/2016	76-13-1	Freon 113	ND	µg/kg	5
B10	1	B10-1'	5/7/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
B10	1	B10-1'	5/7/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
B10	1	B10-1'	5/7/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
B10	1	B10-1'	5/7/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
B10	1	B10-1'	5/7/2016	91-20-3	Naphthalene	ND	µg/kg	1
B10	1	B10-1'	5/7/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
B10	1	B10-1'	5/7/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
B10	1	B10-1'	5/5/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
B10	1	B10-1'	5/7/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
B10	1	B10-1'	5/7/2016	100-42-5	Styrene	ND	µg/kg	1
B10	1	B10-1'	5/7/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
B10	1	B10-1'	5/7/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
B10	1	B10-1'	5/7/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
B10	1	B10-1'	5/7/2016	127-18-4	Tetrachloroethylene	2	µg/kg	1
B10	1	B10-1'	5/7/2016	108-88-3	Toluene	ND	µg/kg	1
B10	1	B10-1'	5/7/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
B10	1	B10-1'	5/7/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
B10	1	B10-1'	5/7/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
B10	1	B10-1'	5/7/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
B10	1	B10-1'	5/7/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
B10	1	B10-1'	5/7/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
B10	1	B10-1'	5/7/2016	108-38-3	Xylenes	ND	µg/kg	1
B10	4.5	B10-4.5'	5/5/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
B10	4.5	B10-4.5'	5/5/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
B10	4.5	B10-4.5'	5/5/2016	7440-39-3	Barium, Ba	221	mg/kg	0.5
B10	4.5	B10-4.5'	5/5/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
B10	4.5	B10-4.5'	5/5/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
B10	4.5	B10-4.5'	5/5/2016	7440-48-4	Cobalt, Co	18.1	mg/kg	0.5
B10	4.5	B10-4.5'	5/5/2016	7440-47-3	Chromium, Cr	29.6	mg/kg	0.5
B10	4.5	B10-4.5'	5/5/2016	7440-50-8	Copper, Cu	36.5	mg/kg	0.5
B10	4.5	B10-4.5'	5/5/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
B10	4.5	B10-4.5'	5/5/2016	7440-02-0	Nickel, Ni	22	mg/kg	0.5
B10	4.5	B10-4.5'	5/5/2016	7439-92-1	Lead, Pb	3.1	mg/kg	0.5
B10	4.5	B10-4.5'	5/5/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
B10	4.5	B10-4.5'	5/5/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
B10	4.5	B10-4.5'	5/5/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
B10	4.5	B10-4.5'	5/5/2016	7440-62-2	Vanadium, V	66.7	mg/kg	0.5
B10	4.5	B10-4.5'	5/5/2016	7440-66-6	Zinc, Zn	73.7	mg/kg	0.5
B10	4.5	B10-4.5'	5/5/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
B10	4.5	B10-4.5'	5/5/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
B10	4.5	B10-4.5'	5/5/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
B10	4.5	B10-4.5'	5/5/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
B10	4.5	B10-4.5'	5/5/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
B10	4.5	B10-4.5'	5/5/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
B10	4.5	B10-4.5'	5/5/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
B10	4.5	B10-4.5'	5/5/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
B10	4.5	B10-4.5'	5/5/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
B10	4.5	B10-4.5'	5/5/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
B10	4.5	B10-4.5'	5/5/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
B10	4.5	B10-4.5'	5/5/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
B10	4.5	B10-4.5'	5/5/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
B10	4.5	B10-4.5'	5/5/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
B10	4.5	B10-4.5'	5/5/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
B10	4.5	B10-4.5'	5/5/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
B10	4.5	B10-4.5'	5/5/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
B10	4.5	B10-4.5'	5/5/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
B10	4.5	B10-4.5'	5/5/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
B10	4.5	B10-4.5'	5/5/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
B10	4.5	B10-4.5'	5/5/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
B10	4.5	B10-4.5'	5/5/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
B10	4.5	B10-4.5'	5/5/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
B10	4.5	B10-4.5'	5/5/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
B10	4.5	B10-4.5'	5/5/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
B10	4.5	B10-4.5'	5/5/2016	71-43-2	Benzene	ND	µg/kg	1
B10	4.5	B10-4.5'	5/5/2016	108-86-1	Bromobenzene	ND	µg/kg	1
B10	4.5	B10-4.5'	5/5/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
B10	4.5	B10-4.5'	5/5/2016	75-25-2	Bromoform	ND	µg/kg	1
B10	4.5	B10-4.5'	5/5/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
B10	4.5	B10-4.5'	5/5/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
B10	4.5	B10-4.5'	5/5/2016	67-66-3	Chloroform	ND	µg/kg	1
B10	4.5	B10-4.5'	5/5/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
B10	4.5	B10-4.5'	5/5/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
B10	4.5	B10-4.5'	5/5/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
B10	4.5	B10-4.5'	5/5/2016	74-95-3	Dibromomethane	ND	µg/kg	1
B10	4.5	B10-4.5'	5/5/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
B10	4.5	B10-4.5'	5/5/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
B10	4.5	B10-4.5'	5/5/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
B10	4.5	B10-4.5'	5/5/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
B10	4.5	B10-4.5'	5/5/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
B10	4.5	B10-4.5'	5/5/2016	76-13-1	Freon 113	ND	µg/kg	5
B10	4.5	B10-4.5'	5/5/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
B10	4.5	B10-4.5'	5/5/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
B10	4.5	B10-4.5'	5/5/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
B10	4.5	B10-4.5'	5/5/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
B10	4.5	B10-4.5'	5/5/2016	91-20-3	Naphthalene	ND	µg/kg	1
B10	4.5	B10-4.5'	5/5/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
B10	4.5	B10-4.5'	5/5/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
B10	4.5	B10-4.5'	5/5/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
B10	4.5	B10-4.5'	5/5/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
B10	4.5	B10-4.5'	5/5/2016	100-42-5	Styrene	ND	µg/kg	1
B10	4.5	B10-4.5'	5/5/2016	75-65-0	Tert-Butylalcohol (TBA)	ND	µg/kg	50
B10	4.5	B10-4.5'	5/5/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
B10	4.5	B10-4.5'	5/5/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
B10	4.5	B10-4.5'	5/5/2016	127-18-4	Tetrachloroethylene	4.3	µg/kg	1
B10	4.5	B10-4.5'	5/5/2016	108-88-3	Toluene	ND	µg/kg	1
B10	4.5	B10-4.5'	5/5/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
B10	4.5	B10-4.5'	5/5/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
B10	4.5	B10-4.5'	5/5/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
B10	4.5	B10-4.5'	5/5/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
B10	4.5	B10-4.5'	5/5/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
B10	4.5	B10-4.5'	5/5/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
B10	4.5	B10-4.5'	5/5/2016	108-38-3	Xylenes	ND	µg/kg	1
B10	8.5	B10-8.5'	5/5/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
B10	8.5	B10-8.5'	5/5/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
B10	8.5	B10-8.5'	5/5/2016	7440-39-3	Barium, Ba	236	mg/kg	0.5
B10	8.5	B10-8.5'	5/5/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
B10	8.5	B10-8.5'	5/5/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
B10	8.5	B10-8.5'	5/5/2016	7440-48-4	Cobalt, Co	19.6	mg/kg	0.5
B10	8.5	B10-8.5'	5/5/2016	7440-47-3	Chromium, Cr	34.6	mg/kg	0.5
B10	8.5	B10-8.5'	5/5/2016	7440-50-8	Copper, Cu	39.3	mg/kg	0.5
B10	8.5	B10-8.5'	5/5/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
B10	8.5	B10-8.5'	5/5/2016	7440-02-0	Nickel, Ni	24.9	mg/kg	0.5
B10	8.5	B10-8.5'	5/5/2016	7439-92-1	Lead, Pb	3.4	mg/kg	0.5
B10	8.5	B10-8.5'	5/5/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
B10	8.5	B10-8.5'	5/5/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
B10	8.5	B10-8.5'	5/5/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
B10	8.5	B10-8.5'	5/5/2016	7440-62-2	Vanadium, V	72.6	mg/kg	0.5
B10	8.5	B10-8.5'	5/5/2016	7440-66-6	Zinc, Zn	77.3	mg/kg	0.5
B10	8.5	B10-8.5'	5/5/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
B10	8.5	B10-8.5'	5/5/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
B10	8.5	B10-8.5'	5/5/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
B10	8.5	B10-8.5'	5/5/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
B10	8.5	B10-8.5'	5/5/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
B10	8.5	B10-8.5'	5/5/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
B10	8.5	B10-8.5'	5/5/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
B10	8.5	B10-8.5'	5/5/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
B10	8.5	B10-8.5'	5/5/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
B10	8.5	B10-8.5'	5/5/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
B10	8.5	B10-8.5'	5/5/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
B10	8.5	B10-8.5'	5/5/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
B10	8.5	B10-8.5'	5/5/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
B10	8.5	B10-8.5'	5/5/2016	106-93-4	1,2-Dibromomethane (EDB)	ND	µg/kg	1
B10	8.5	B10-8.5'	5/5/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
B10	8.5	B10-8.5'	5/5/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
B10	8.5	B10-8.5'	5/5/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
B10	8.5	B10-8.5'	5/5/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
B10	8.5	B10-8.5'	5/5/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
B10	8.5	B10-8.5'	5/5/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
B10	8.5	B10-8.5'	5/5/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
B10	8.5	B10-8.5'	5/5/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
B10	8.5	B10-8.5'	5/5/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
B10	8.5	B10-8.5'	5/5/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
B10	8.5	B10-8.5'	5/5/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
B10	8.5	B10-8.5'	5/5/2016	71-43-2	Benzene	ND	µg/kg	1
B10	8.5	B10-8.5'	5/5/2016	108-86-1	Bromobenzene	ND	µg/kg	1
B10	8.5	B10-8.5'	5/5/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
B10	8.5	B10-8.5'	5/5/2016	75-25-2	Bromoform	ND	µg/kg	1
B10	8.5	B10-8.5'	5/5/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
B10	8.5	B10-8.5'	5/5/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
B10	8.5	B10-8.5'	5/5/2016	67-66-3	Chloroform	ND	µg/kg	1
B10	8.5	B10-8.5'	5/5/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
B10	8.5	B10-8.5'	5/5/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
B10	8.5	B10-8.5'	5/5/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
B10	8.5	B10-8.5'	5/5/2016	74-95-3	Dibromomethane	ND	µg/kg	1
B10	8.5	B10-8.5'	5/5/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
B10	8.5	B10-8.5'	5/5/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
B10	8.5	B10-8.5'	5/5/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
B10	8.5	B10-8.5'	5/5/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
B10	8.5	B10-8.5'	5/5/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
B10	8.5	B10-8.5'	5/5/2016	76-13-1	Freon 113	ND	µg/kg	5
B10	8.5	B10-8.5'	5/5/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
B10	8.5	B10-8.5'	5/5/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
B10	8.5	B10-8.5'	5/5/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
B10	8.5	B10-8.5'	5/5/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
B10	8.5	B10-8.5'	5/5/2016	91-20-3	Naphthalene	ND	µg/kg	1
B10	8.5	B10-8.5'	5/5/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
B10	8.5	B10-8.5'	5/5/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
B10	8.5	B10-8.5'	5/5/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
B10	8.5	B10-8.5'	5/5/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
B10	8.5	B10-8.5'	5/5/2016	100-42-5	Styrene	ND	µg/kg	1
B10	8.5	B10-8.5'	5/5/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
B10	8.5	B10-8.5'	5/5/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
B10	8.5	B10-8.5'	5/5/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
B10	8.5	B10-8.5'	5/5/2016	127-18-4	Tetrachloroethylene	2.8	µg/kg	1
B10	8.5	B10-8.5'	5/5/2016	108-88-3	Toluene	ND	µg/kg	1
B10	8.5	B10-8.5'	5/5/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
B10	8.5	B10-8.5'	5/5/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
B10	8.5	B10-8.5'	5/5/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
B10	8.5	B10-8.5'	5/5/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
B10	8.5	B10-8.5'	5/5/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
B10	8.5	B10-8.5'	5/5/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
B10	8.5	B10-8.5'	5/5/2016	108-38-3	Xylenes	ND	µg/kg	1
B11	1	B11-1'	5/5/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
B11	1	B11-1'	5/5/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
B11	1	B11-1'	5/5/2016	7440-39-3	Barium, Ba	152	mg/kg	0.5
B11	1	B11-1'	5/5/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
B11	1	B11-1'	5/5/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
B11	1	B11-1'	5/5/2016	7440-48-4	Cobalt, Co	12.7	mg/kg	0.5

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
B11	1	B11-1'	5/5/2016	7440-47-3	Chromium, Cr	22.3	mg/kg	0.5
B11	1	B11-1'	5/5/2016	7440-50-8	Copper, Cu	29.4	mg/kg	0.5
B11	1	B11-1'	5/5/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
B11	1	B11-1'	5/5/2016	7440-02-0	Nickel, Ni	15.9	mg/kg	0.5
B11	1	B11-1'	5/5/2016	7439-92-1	Lead, Pb	3.3	mg/kg	0.5
B11	1	B11-1'	5/5/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
B11	1	B11-1'	5/5/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
B11	1	B11-1'	5/5/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
B11	1	B11-1'	5/5/2016	7440-62-2	Vanadium, V	50	mg/kg	0.5
B11	1	B11-1'	5/5/2016	7440-66-6	Zinc, Zn	122	mg/kg	0.5
B11	1	B11-1'	5/5/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
B11	1	B11-1'	5/5/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
B11	1	B11-1'	5/5/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
B11	1	B11-1'	5/5/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
B11	1	B11-1'	5/5/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
B11	1	B11-1'	5/5/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
B11	1	B11-1'	5/5/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
B11	1	B11-1'	5/5/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
B11	1	B11-1'	5/5/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
B11	1	B11-1'	5/5/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
B11	1	B11-1'	5/5/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
B11	1	B11-1'	5/5/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
B11	1	B11-1'	5/5/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
B11	1	B11-1'	5/5/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
B11	1	B11-1'	5/5/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
B11	1	B11-1'	5/5/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
B11	1	B11-1'	5/5/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
B11	1	B11-1'	5/5/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
B11	1	B11-1'	5/5/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
B11	1	B11-1'	5/5/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
B11	1	B11-1'	5/5/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
B11	1	B11-1'	5/5/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
B11	1	B11-1'	5/5/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
B11	1	B11-1'	5/5/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
B11	1	B11-1'	5/5/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
B11	1	B11-1'	5/5/2016	71-43-2	Benzene	ND	µg/kg	1
B11	1	B11-1'	5/5/2016	108-86-1	Bromobenzene	ND	µg/kg	1
B11	1	B11-1'	5/5/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
B11	1	B11-1'	5/5/2016	75-25-2	Bromoform	ND	µg/kg	1
B11	1	B11-1'	5/5/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
B11	1	B11-1'	5/5/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
B11	1	B11-1'	5/5/2016	67-66-3	Chloroform	ND	µg/kg	1
B11	1	B11-1'	5/5/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
B11	1	B11-1'	5/5/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
B11	1	B11-1'	5/5/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
B11	1	B11-1'	5/5/2016	74-95-3	Dibromomethane	ND	µg/kg	1
B11	1	B11-1'	5/5/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
B11	1	B11-1'	5/5/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
B11	1	B11-1'	5/5/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
B11	1	B11-1'	5/5/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
B11	1	B11-1'	5/5/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
B11	1	B11-1'	5/5/2016	76-13-1	Freon 113	ND	µg/kg	5
B11	1	B11-1'	5/5/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
B11	1	B11-1'	5/5/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
B11	1	B11-1'	5/5/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
B11	1	B11-1'	5/5/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
B11	1	B11-1'	5/5/2016	91-20-3	Naphthalene	ND	µg/kg	1
B11	1	B11-1'	5/5/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
B11	1	B11-1'	5/5/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
B11	1	B11-1'	5/5/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
B11	1	B11-1'	5/5/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
B11	1	B11-1'	5/5/2016	100-42-5	Styrene	ND	µg/kg	1
B11	1	B11-1'	5/5/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
B11	1	B11-1'	5/5/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
B11	1	B11-1'	5/5/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
B11	1	B11-1'	5/5/2016	127-18-4	Tetrachloroethylene	ND	µg/kg	1
B11	1	B11-1'	5/5/2016	108-88-3	Toluene	ND	µg/kg	1
B11	1	B11-1'	5/5/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
B11	1	B11-1'	5/5/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
B11	1	B11-1'	5/5/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
B11	1	B11-1'	5/5/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
B11	1	B11-1'	5/5/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
B11	1	B11-1'	5/5/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
B11	1	B11-1'	5/5/2016	108-38-3	Xylenes	ND	µg/kg	1

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
B11	4.5	B11-4.5'	5/5/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
B11	4.5	B11-4.5'	5/5/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
B11	4.5	B11-4.5'	5/5/2016	7440-39-3	Barium, Ba	206	mg/kg	0.5
B11	4.5	B11-4.5'	5/5/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
B11	4.5	B11-4.5'	5/5/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
B11	4.5	B11-4.5'	5/5/2016	7440-48-4	Cobalt, Co	17.1	mg/kg	0.5
B11	4.5	B11-4.5'	5/5/2016	7440-47-3	Chromium, Cr	30.2	mg/kg	0.5
B11	4.5	B11-4.5'	5/5/2016	7440-50-8	Copper, Cu	30.5	mg/kg	0.5
B11	4.5	B11-4.5'	5/5/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
B11	4.5	B11-4.5'	5/5/2016	7440-02-0	Nickel, Ni	20.7	mg/kg	0.5
B11	4.5	B11-4.5'	5/5/2016	7439-92-1	Lead, Pb	2.8	mg/kg	0.5
B11	4.5	B11-4.5'	5/5/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
B11	4.5	B11-4.5'	5/5/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
B11	4.5	B11-4.5'	5/5/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
B11	4.5	B11-4.5'	5/5/2016	7440-62-2	Vanadium, V	64.8	mg/kg	0.5
B11	4.5	B11-4.5'	5/5/2016	7440-66-6	Zinc, Zn	77.6	mg/kg	0.5
B11	4.5	B11-4.5'	5/5/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
B11	4.5	B11-4.5'	5/5/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
B11	4.5	B11-4.5'	5/5/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
B11	4.5	B11-4.5'	5/5/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
B11	4.5	B11-4.5'	5/5/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
B11	4.5	B11-4.5'	5/5/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
B11	4.5	B11-4.5'	5/5/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
B11	4.5	B11-4.5'	5/5/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
B11	4.5	B11-4.5'	5/5/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
B11	4.5	B11-4.5'	5/5/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
B11	4.5	B11-4.5'	5/5/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
B11	4.5	B11-4.5'	5/5/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
B11	4.5	B11-4.5'	5/5/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
B11	4.5	B11-4.5'	5/5/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
B11	4.5	B11-4.5'	5/5/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
B11	4.5	B11-4.5'	5/5/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
B11	4.5	B11-4.5'	5/5/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
B11	4.5	B11-4.5'	5/5/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
B11	4.5	B11-4.5'	5/5/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
B11	4.5	B11-4.5'	5/5/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
B11	4.5	B11-4.5'	5/5/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
B11	4.5	B11-4.5'	5/5/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
B11	4.5	B11-4.5'	5/5/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
B11	4.5	B11-4.5'	5/5/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
B11	4.5	B11-4.5'	5/5/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
B11	4.5	B11-4.5'	5/5/2016	71-43-2	Benzene	ND	µg/kg	1
B11	4.5	B11-4.5'	5/5/2016	108-86-1	Bromobenzene	ND	µg/kg	1
B11	4.5	B11-4.5'	5/5/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
B11	4.5	B11-4.5'	5/5/2016	75-25-2	Bromoform	ND	µg/kg	1
B11	4.5	B11-4.5'	5/5/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
B11	4.5	B11-4.5'	5/5/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
B11	4.5	B11-4.5'	5/5/2016	67-66-3	Chloroform	ND	µg/kg	1
B11	4.5	B11-4.5'	5/5/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
B11	4.5	B11-4.5'	5/5/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
B11	4.5	B11-4.5'	5/5/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
B11	4.5	B11-4.5'	5/5/2016	74-95-3	Dibromomethane	ND	µg/kg	1
B11	4.5	B11-4.5'	5/5/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
B11	4.5	B11-4.5'	5/5/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
B11	4.5	B11-4.5'	5/5/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
B11	4.5	B11-4.5'	5/5/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
B11	4.5	B11-4.5'	5/5/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
B11	4.5	B11-4.5'	5/5/2016	76-13-1	Freon 113	ND	µg/kg	5
B11	4.5	B11-4.5'	5/5/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
B11	4.5	B11-4.5'	5/5/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
B11	4.5	B11-4.5'	5/5/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
B11	4.5	B11-4.5'	5/5/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
B11	4.5	B11-4.5'	5/5/2016	91-20-3	Naphthalene	ND	µg/kg	1
B11	4.5	B11-4.5'	5/5/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
B11	4.5	B11-4.5'	5/5/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
B11	4.5	B11-4.5'	5/5/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
B11	4.5	B11-4.5'	5/5/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
B11	4.5	B11-4.5'	5/5/2016	100-42-5	Styrene	ND	µg/kg	1
B11	4.5	B11-4.5'	5/5/2016	75-65-0	Tert-Butylalcohol (TBA)	ND	µg/kg	50
B11	4.5	B11-4.5'	5/5/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
B11	4.5	B11-4.5'	5/5/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
B11	4.5	B11-4.5'	5/5/2016	127-18-4	Tetrachloroethylene	7.3	µg/kg	1
B11	4.5	B11-4.5'	5/5/2016	108-88-3	Toluene	ND	µg/kg	1
B11	4.5	B11-4.5'	5/5/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
B11	4.5	B11-4.5'	5/5/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
B11	4.5	B11-4.5'	5/5/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
B11	4.5	B11-4.5'	5/5/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
B11	4.5	B11-4.5'	5/5/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
B11	4.5	B11-4.5'	5/5/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
B11	4.5	B11-4.5'	5/5/2016	108-38-3	Xylenes	ND	µg/kg	1
B11	8.5	B11-8.5'	5/5/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
B11	8.5	B11-8.5'	5/5/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
B11	8.5	B11-8.5'	5/5/2016	7440-39-3	Barium, Ba	221	mg/kg	0.5
B11	8.5	B11-8.5'	5/5/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
B11	8.5	B11-8.5'	5/5/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
B11	8.5	B11-8.5'	5/5/2016	7440-48-4	Cobalt, Co	18.7	mg/kg	0.5
B11	8.5	B11-8.5'	5/5/2016	7440-47-3	Chromium, Cr	33.9	mg/kg	0.5
B11	8.5	B11-8.5'	5/5/2016	7440-50-8	Copper, Cu	42.7	mg/kg	0.5
B11	8.5	B11-8.5'	5/5/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
B11	8.5	B11-8.5'	5/5/2016	7440-02-0	Nickel, Ni	24.6	mg/kg	0.5
B11	8.5	B11-8.5'	5/5/2016	7439-92-1	Lead, Pb	3.1	mg/kg	0.5
B11	8.5	B11-8.5'	5/5/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
B11	8.5	B11-8.5'	5/5/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
B11	8.5	B11-8.5'	5/5/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
B11	8.5	B11-8.5'	5/5/2016	7440-62-2	Vanadium, V	71.7	mg/kg	0.5
B11	8.5	B11-8.5'	5/5/2016	7440-66-6	Zinc, Zn	77	mg/kg	0.5
B11	8.5	B11-8.5'	5/5/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
B11	8.5	B11-8.5'	5/5/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
B11	8.5	B11-8.5'	5/5/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
B11	8.5	B11-8.5'	5/5/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
B11	8.5	B11-8.5'	5/5/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
B11	8.5	B11-8.5'	5/5/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
B11	8.5	B11-8.5'	5/5/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
B11	8.5	B11-8.5'	5/5/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
B11	8.5	B11-8.5'	5/5/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
B11	8.5	B11-8.5'	5/5/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
B11	8.5	B11-8.5'	5/5/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
B11	8.5	B11-8.5'	5/5/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
B11	8.5	B11-8.5'	5/5/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
B11	8.5	B11-8.5'	5/5/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
B11	8.5	B11-8.5'	5/5/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
B11	8.5	B11-8.5'	5/5/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
B11	8.5	B11-8.5'	5/5/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
B11	8.5	B11-8.5'	5/5/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
B11	8.5	B11-8.5'	5/5/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
B11	8.5	B11-8.5'	5/5/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
B11	8.5	B11-8.5'	5/5/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
B11	8.5	B11-8.5'	5/5/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
B11	8.5	B11-8.5'	5/5/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
B11	8.5	B11-8.5'	5/5/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
B11	8.5	B11-8.5'	5/5/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
B11	8.5	B11-8.5'	5/5/2016	71-43-2	Benzene	ND	µg/kg	1
B11	8.5	B11-8.5'	5/5/2016	108-86-1	Bromobenzene	ND	µg/kg	1
B11	8.5	B11-8.5'	5/5/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
B11	8.5	B11-8.5'	5/5/2016	75-25-2	Bromoform	ND	µg/kg	1
B11	8.5	B11-8.5'	5/5/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
B11	8.5	B11-8.5'	5/5/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
B11	8.5	B11-8.5'	5/5/2016	67-66-3	Chloroform	ND	µg/kg	1
B11	8.5	B11-8.5'	5/5/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
B11	8.5	B11-8.5'	5/5/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
B11	8.5	B11-8.5'	5/5/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
B11	8.5	B11-8.5'	5/5/2016	74-95-3	Dibromomethane	ND	µg/kg	1
B11	8.5	B11-8.5'	5/5/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
B11	8.5	B11-8.5'	5/5/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
B11	8.5	B11-8.5'	5/5/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
B11	8.5	B11-8.5'	5/5/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
B11	8.5	B11-8.5'	5/5/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
B11	8.5	B11-8.5'	5/5/2016	76-13-1	Freon 113	ND	µg/kg	5
B11	8.5	B11-8.5'	5/5/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
B11	8.5	B11-8.5'	5/5/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
B11	8.5	B11-8.5'	5/5/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
B11	8.5	B11-8.5'	5/5/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
B11	8.5	B11-8.5'	5/5/2016	91-20-3	Naphthalene	ND	µg/kg	1
B11	8.5	B11-8.5'	5/5/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
B11	8.5	B11-8.5'	5/5/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
B11	8.5	B11-8.5'	5/5/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
B11	8.5	B11-8.5'	5/5/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
B11	8.5	B11-8.5'	5/5/2016	100-42-5	Styrene	ND	µg/kg	1

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
B11	8.5	B11-8.5'	5/5/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
B11	8.5	B11-8.5'	5/5/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
B11	8.5	B11-8.5'	5/5/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
B11	8.5	B11-8.5'	5/5/2016	127-18-4	Tetrachloroethylene	2.4	µg/kg	1
B11	8.5	B11-8.5'	5/5/2016	108-88-3	Toluene	ND	µg/kg	1
B11	8.5	B11-8.5'	5/5/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
B11	8.5	B11-8.5'	5/5/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
B11	8.5	B11-8.5'	5/5/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
B11	8.5	B11-8.5'	5/5/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
B11	8.5	B11-8.5'	5/5/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
B11	8.5	B11-8.5'	5/5/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
B11	8.5	B11-8.5'	5/5/2016	108-38-3	Xylenes	ND	µg/kg	1
B12	1	B12-1'	5/5/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
B12	1	B12-1'	5/5/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
B12	1	B12-1'	5/5/2016	7440-39-3	Barium, Ba	221	mg/kg	0.5
B12	1	B12-1'	5/5/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
B12	1	B12-1'	5/5/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
B12	1	B12-1'	5/5/2016	7440-48-4	Cobalt, Co	21.3	mg/kg	0.5
B12	1	B12-1'	5/5/2016	7440-47-3	Chromium, Cr	32.8	mg/kg	0.5
B12	1	B12-1'	5/5/2016	7440-50-8	Copper, Cu	35.6	mg/kg	0.5
B12	1	B12-1'	5/5/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
B12	1	B12-1'	5/5/2016	7440-02-0	Nickel, Ni	23.4	mg/kg	0.5
B12	1	B12-1'	5/5/2016	7439-92-1	Lead, Pb	5.8	mg/kg	0.5
B12	1	B12-1'	5/5/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
B12	1	B12-1'	5/5/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
B12	1	B12-1'	5/5/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
B12	1	B12-1'	5/5/2016	7440-62-2	Vanadium, V	73.1	mg/kg	0.5
B12	1	B12-1'	5/5/2016	7440-66-6	Zinc, Zn	86.3	mg/kg	0.5
B12	1	B12-1'	5/5/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
B12	1	B12-1'	5/5/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
B12	1	B12-1'	5/5/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
B12	1	B12-1'	5/5/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
B12	1	B12-1'	5/5/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
B12	1	B12-1'	5/5/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
B12	1	B12-1'	5/5/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
B12	1	B12-1'	5/5/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
B12	1	B12-1'	5/5/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
B12	1	B12-1'	5/5/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
B12	1	B12-1'	5/5/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
B12	1	B12-1'	5/5/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
B12	1	B12-1'	5/5/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
B12	1	B12-1'	5/5/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
B12	1	B12-1'	5/5/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
B12	1	B12-1'	5/5/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
B12	1	B12-1'	5/5/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
B12	1	B12-1'	5/5/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
B12	1	B12-1'	5/5/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
B12	1	B12-1'	5/5/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
B12	1	B12-1'	5/5/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
B12	1	B12-1'	5/5/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
B12	1	B12-1'	5/5/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
B12	1	B12-1'	5/5/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
B12	1	B12-1'	5/5/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
B12	1	B12-1'	5/5/2016	71-43-2	Benzene	ND	µg/kg	1
B12	1	B12-1'	5/5/2016	108-86-1	Bromobenzene	ND	µg/kg	1
B12	1	B12-1'	5/5/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
B12	1	B12-1'	5/5/2016	75-25-2	Bromoform	ND	µg/kg	1
B12	1	B12-1'	5/5/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
B12	1	B12-1'	5/5/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
B12	1	B12-1'	5/5/2016	67-66-3	Chloroform	ND	µg/kg	1
B12	1	B12-1'	5/5/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
B12	1	B12-1'	5/5/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
B12	1	B12-1'	5/5/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
B12	1	B12-1'	5/5/2016	74-95-3	Dibromomethane	ND	µg/kg	1
B12	1	B12-1'	5/5/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	1
B12	1	B12-1'	5/5/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	1
B12	1	B12-1'	5/5/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
B12	1	B12-1'	5/5/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
B12	1	B12-1'	5/5/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	1
B12	1	B12-1'	5/5/2016	76-13-1	Freon 113	ND	µg/kg	1
B12	1	B12-1'	5/5/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
B12	1	B12-1'	5/5/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
B12	1	B12-1'	5/5/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
B12	1	B12-1'	5/5/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	1

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
B12	1	B12-1'	5/5/2016	91-20-3	Naphthalene	ND	µg/kg	1
B12	1	B12-1'	5/5/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
B12	1	B12-1'	5/5/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
B12	1	B12-1'	5/5/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
B12	1	B12-1'	5/5/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
B12	1	B12-1'	5/5/2016	100-42-5	Styrene	ND	µg/kg	1
B12	1	B12-1'	5/5/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	1
B12	1	B12-1'	5/5/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	1
B12	1	B12-1'	5/5/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
B12	1	B12-1'	5/5/2016	127-18-4	Tetrachloroethylene	22.8	µg/kg	1
B12	1	B12-1'	5/5/2016	108-88-3	Toluene	ND	µg/kg	1
B12	1	B12-1'	5/5/2016	N/A	TPH Gasoline Range	ND	µg/kg	1
B12	1	B12-1'	5/5/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
B12	1	B12-1'	5/5/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
B12	1	B12-1'	5/5/2016	79-01-6	Trichloroethylene	1.6	µg/kg	1
B12	1	B12-1'	5/5/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	1
B12	1	B12-1'	5/5/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
B12	1	B12-1'	5/5/2016	108-38-3	Xylenes	ND	µg/kg	1
B12	5	B12-5'	5/5/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
B12	5	B12-5'	5/5/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
B12	5	B12-5'	5/5/2016	7440-39-3	Barium, Ba	218	mg/kg	0.5
B12	5	B12-5'	5/5/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
B12	5	B12-5'	5/5/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
B12	5	B12-5'	5/5/2016	7440-48-4	Cobalt, Co	18.2	mg/kg	0.5
B12	5	B12-5'	5/5/2016	7440-47-3	Chromium, Cr	32.4	mg/kg	0.5
B12	5	B12-5'	5/5/2016	7440-50-8	Copper, Cu	34.3	mg/kg	0.5
B12	5	B12-5'	5/5/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
B12	5	B12-5'	5/5/2016	7440-02-0	Nickel, Ni	23.3	mg/kg	0.5
B12	5	B12-5'	5/5/2016	7439-92-1	Lead, Pb	3.1	mg/kg	0.5
B12	5	B12-5'	5/5/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
B12	5	B12-5'	5/5/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
B12	5	B12-5'	5/5/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
B12	5	B12-5'	5/5/2016	7440-62-2	Vanadium, V	68	mg/kg	0.5
B12	5	B12-5'	5/5/2016	7440-66-6	Zinc, Zn	75.4	mg/kg	0.5
B12	5	B12-5'	5/5/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
B12	5	B12-5'	5/5/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
B12	5	B12-5'	5/5/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
B12	5	B12-5'	5/5/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
B12	5	B12-5'	5/5/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
B12	5	B12-5'	5/5/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
B12	5	B12-5'	5/5/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
B12	5	B12-5'	5/5/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
B12	5	B12-5'	5/5/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
B12	5	B12-5'	5/5/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
B12	5	B12-5'	5/5/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
B12	5	B12-5'	5/5/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
B12	5	B12-5'	5/5/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
B12	5	B12-5'	5/5/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
B12	5	B12-5'	5/5/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
B12	5	B12-5'	5/5/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
B12	5	B12-5'	5/5/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
B12	5	B12-5'	5/5/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
B12	5	B12-5'	5/5/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
B12	5	B12-5'	5/5/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
B12	5	B12-5'	5/5/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
B12	5	B12-5'	5/5/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
B12	5	B12-5'	5/5/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
B12	5	B12-5'	5/5/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
B12	5	B12-5'	5/5/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
B12	5	B12-5'	5/5/2016	71-43-2	Benzene	ND	µg/kg	1
B12	5	B12-5'	5/5/2016	108-86-1	Bromobenzene	ND	µg/kg	1
B12	5	B12-5'	5/5/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
B12	5	B12-5'	5/5/2016	75-25-2	Bromoform	ND	µg/kg	1
B12	5	B12-5'	5/5/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
B12	5	B12-5'	5/5/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
B12	5	B12-5'	5/5/2016	67-66-3	Chloroform	ND	µg/kg	1
B12	5	B12-5'	5/5/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
B12	5	B12-5'	5/5/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
B12	5	B12-5'	5/5/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
B12	5	B12-5'	5/5/2016	74-95-3	Dibromomethane	ND	µg/kg	1
B12	5	B12-5'	5/5/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
B12	5	B12-5'	5/5/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
B12	5	B12-5'	5/5/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
B12	5	B12-5'	5/5/2016	100-41-4	Ethylbenzene	ND	µg/kg	1

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
B12	5	B12-5'	5/5/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
B12	5	B12-5'	5/5/2016	76-13-1	Freon 113	ND	µg/kg	5
B12	5	B12-5'	5/5/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
B12	5	B12-5'	5/5/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
B12	5	B12-5'	5/5/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
B12	5	B12-5'	5/5/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
B12	5	B12-5'	5/5/2016	91-20-3	Naphthalene	ND	µg/kg	1
B12	5	B12-5'	5/5/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
B12	5	B12-5'	5/5/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
B12	5	B12-5'	5/5/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
B12	5	B12-5'	5/5/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
B12	5	B12-5'	5/5/2016	100-42-5	Styrene	ND	µg/kg	1
B12	5	B12-5'	5/5/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
B12	5	B12-5'	5/5/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
B12	5	B12-5'	5/5/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
B12	5	B12-5'	5/5/2016	127-18-4	Tetrachloroethylene	2.4	µg/kg	1
B12	5	B12-5'	5/5/2016	108-88-3	Toluene	ND	µg/kg	1
B12	5	B12-5'	5/5/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
B12	5	B12-5'	5/5/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
B12	5	B12-5'	5/5/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
B12	5	B12-5'	5/5/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
B12	5	B12-5'	5/5/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
B12	5	B12-5'	5/5/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
B12	5	B12-5'	5/5/2016	108-38-3	Xylenes	ND	µg/kg	1
B12	11	B12-11'	5/5/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
B12	11	B12-11'	5/5/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
B12	11	B12-11'	5/5/2016	7440-39-3	Barium, Ba	218	mg/kg	0.5
B12	11	B12-11'	5/5/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
B12	11	B12-11'	5/5/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
B12	11	B12-11'	5/5/2016	7440-48-4	Cobalt, Co	18.8	mg/kg	0.5
B12	11	B12-11'	5/5/2016	7440-47-3	Chromium, Cr	34.2	mg/kg	0.5
B12	11	B12-11'	5/5/2016	7440-50-8	Copper, Cu	36	mg/kg	0.5
B12	11	B12-11'	5/5/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
B12	11	B12-11'	5/5/2016	7440-02-0	Nickel, Ni	23.3	mg/kg	0.5
B12	11	B12-11'	5/5/2016	7439-92-1	Lead, Pb	2.7	mg/kg	0.5
B12	11	B12-11'	5/5/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
B12	11	B12-11'	5/5/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
B12	11	B12-11'	5/5/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
B12	11	B12-11'	5/5/2016	7440-62-2	Vanadium, V	70.3	mg/kg	0.5
B12	11	B12-11'	5/5/2016	7440-66-6	Zinc, Zn	78.6	mg/kg	0.5
B12	11	B12-11'	5/5/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
B12	11	B12-11'	5/5/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
B12	11	B12-11'	5/5/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
B12	11	B12-11'	5/5/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
B12	11	B12-11'	5/5/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
B12	11	B12-11'	5/5/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
B12	11	B12-11'	5/5/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
B12	11	B12-11'	5/5/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
B12	11	B12-11'	5/5/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
B12	11	B12-11'	5/5/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
B12	11	B12-11'	5/5/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
B12	11	B12-11'	5/5/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
B12	11	B12-11'	5/5/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
B12	11	B12-11'	5/5/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
B12	11	B12-11'	5/5/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
B12	11	B12-11'	5/5/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
B12	11	B12-11'	5/5/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
B12	11	B12-11'	5/5/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
B12	11	B12-11'	5/5/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
B12	11	B12-11'	5/5/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
B12	11	B12-11'	5/5/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
B12	11	B12-11'	5/5/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
B12	11	B12-11'	5/5/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
B12	11	B12-11'	5/5/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
B12	11	B12-11'	5/5/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
B12	11	B12-11'	5/5/2016	71-43-2	Benzene	ND	µg/kg	1
B12	11	B12-11'	5/5/2016	108-86-1	Bromobenzene	ND	µg/kg	1
B12	11	B12-11'	5/5/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
B12	11	B12-11'	5/5/2016	75-25-2	Bromoform	ND	µg/kg	1
B12	11	B12-11'	5/5/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
B12	11	B12-11'	5/5/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
B12	11	B12-11'	5/5/2016	67-66-3	Chloroform	ND	µg/kg	1
B12	11	B12-11'	5/5/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
B12	11	B12-11'	5/5/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
B12	11	B12-11'	5/5/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
B12	11	B12-11'	5/5/2016	74-95-3	Dibromomethane	ND	µg/kg	1
B12	11	B12-11'	5/5/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
B12	11	B12-11'	5/5/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
B12	11	B12-11'	5/5/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
B12	11	B12-11'	5/5/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
B12	11	B12-11'	5/5/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
B12	11	B12-11'	5/5/2016	76-13-1	Freon 113	ND	µg/kg	5
B12	11	B12-11'	5/5/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
B12	11	B12-11'	5/5/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
B12	11	B12-11'	5/5/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
B12	11	B12-11'	5/5/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
B12	11	B12-11'	5/5/2016	91-20-3	Naphthalene	ND	µg/kg	1
B12	11	B12-11'	5/5/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
B12	11	B12-11'	5/5/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
B12	11	B12-11'	5/5/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
B12	11	B12-11'	5/5/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
B12	11	B12-11'	5/5/2016	100-42-5	Styrene	ND	µg/kg	1
B12	11	B12-11'	5/5/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
B12	11	B12-11'	5/5/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
B12	11	B12-11'	5/5/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
B12	11	B12-11'	5/5/2016	127-18-4	Tetrachloroethylene	1.3	µg/kg	1
B12	11	B12-11'	5/5/2016	108-88-3	Toluene	ND	µg/kg	1
B12	11	B12-11'	5/5/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
B12	11	B12-11'	5/5/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
B12	11	B12-11'	5/5/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
B12	11	B12-11'	5/5/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
B12	11	B12-11'	5/5/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
B12	11	B12-11'	5/5/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
B12	11	B12-11'	5/5/2016	108-38-3	Xylenes	ND	µg/kg	1
B12	5D	B12-5'D	5/5/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
B12	5D	B12-5'D	5/5/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
B12	5D	B12-5'D	5/5/2016	7440-39-3	Barium, Ba	252	mg/kg	0.5
B12	5D	B12-5'D	5/5/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
B12	5D	B12-5'D	5/5/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
B12	5D	B12-5'D	5/5/2016	7440-48-4	Cobalt, Co	19.5	mg/kg	0.5
B12	5D	B12-5'D	5/5/2016	7440-47-3	Chromium, Cr	34.5	mg/kg	0.5
B12	5D	B12-5'D	5/5/2016	7440-50-8	Copper, Cu	37.2	mg/kg	0.5
B12	5D	B12-5'D	5/5/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
B12	5D	B12-5'D	5/5/2016	7440-02-0	Nickel, Ni	24.7	mg/kg	0.5
B12	5D	B12-5'D	5/5/2016	7439-92-1	Lead, Pb	3.4	mg/kg	0.5
B12	5D	B12-5'D	5/5/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
B12	5D	B12-5'D	5/5/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
B12	5D	B12-5'D	5/5/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
B12	5D	B12-5'D	5/5/2016	7440-62-2	Vanadium, V	72.9	mg/kg	0.5
B12	5D	B12-5'D	5/5/2016	7440-66-6	Zinc, Zn	79.9	mg/kg	0.5
B12	5D	B12-5'D	5/5/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
B12	5D	B12-5'D	5/5/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
B12	5D	B12-5'D	5/5/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
B12	5D	B12-5'D	5/5/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
B12	5D	B12-5'D	5/5/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
B12	5D	B12-5'D	5/5/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
B12	5D	B12-5'D	5/5/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
B12	5D	B12-5'D	5/5/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
B12	5D	B12-5'D	5/5/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
B12	5D	B12-5'D	5/5/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
B12	5D	B12-5'D	5/5/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
B12	5D	B12-5'D	5/5/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
B12	5D	B12-5'D	5/5/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
B12	5D	B12-5'D	5/5/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
B12	5D	B12-5'D	5/5/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
B12	5D	B12-5'D	5/5/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
B12	5D	B12-5'D	5/5/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
B12	5D	B12-5'D	5/5/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
B12	5D	B12-5'D	5/5/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
B12	5D	B12-5'D	5/5/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
B12	5D	B12-5'D	5/5/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
B12	5D	B12-5'D	5/5/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
B12	5D	B12-5'D	5/5/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
B12	5D	B12-5'D	5/5/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
B12	5D	B12-5'D	5/5/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
B12	5D	B12-5'D	5/5/2016	71-43-2	Benzene	ND	µg/kg	1
B12	5D	B12-5'D	5/5/2016	108-86-1	Bromobenzene	ND	µg/kg	1
B12	5D	B12-5'D	5/5/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
B12	5D	B12-5'D	5/5/2016	75-25-2	Bromoform	ND	µg/kg	1
B12	5D	B12-5'D	5/5/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
B12	5D	B12-5'D	5/5/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
B12	5D	B12-5'D	5/5/2016	67-66-3	Chloroform	ND	µg/kg	1
B12	5D	B12-5'D	5/5/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
B12	5D	B12-5'D	5/5/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
B12	5D	B12-5'D	5/5/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
B12	5D	B12-5'D	5/5/2016	74-95-3	Dibromomethane	ND	µg/kg	1
B12	5D	B12-5'D	5/5/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
B12	5D	B12-5'D	5/5/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
B12	5D	B12-5'D	5/5/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
B12	5D	B12-5'D	5/5/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
B12	5D	B12-5'D	5/5/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
B12	5D	B12-5'D	5/5/2016	76-13-1	Freon 113	ND	µg/kg	5
B12	5D	B12-5'D	5/5/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
B12	5D	B12-5'D	5/5/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
B12	5D	B12-5'D	5/5/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
B12	5D	B12-5'D	5/5/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
B12	5D	B12-5'D	5/5/2016	91-20-3	Naphthalene	ND	µg/kg	1
B12	5D	B12-5'D	5/5/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
B12	5D	B12-5'D	5/5/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
B12	5D	B12-5'D	5/5/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
B12	5D	B12-5'D	5/5/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
B12	5D	B12-5'D	5/5/2016	100-42-5	Styrene	ND	µg/kg	1
B12	5D	B12-5'D	5/5/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
B12	5D	B12-5'D	5/5/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
B12	5D	B12-5'D	5/5/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
B12	5D	B12-5'D	5/5/2016	127-18-4	Tetrachloroethylene	2.8	µg/kg	1
B12	5D	B12-5'D	5/5/2016	108-88-3	Toluene	ND	µg/kg	1
B12	5D	B12-5'D	5/5/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
B12	5D	B12-5'D	5/5/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
B12	5D	B12-5'D	5/5/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
B12	5D	B12-5'D	5/5/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
B12	5D	B12-5'D	5/5/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
B12	5D	B12-5'D	5/5/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
B12	5D	B12-5'D	5/5/2016	108-38-3	Xylenes	ND	µg/kg	1
B13	1	B13-1'	5/6/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
B13	1	B13-1'	5/6/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
B13	1	B13-1'	5/6/2016	7440-39-3	Barium, Ba	181	mg/kg	0.5
B13	1	B13-1'	5/6/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
B13	1	B13-1'	5/6/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
B13	1	B13-1'	5/6/2016	7440-48-4	Cobalt, Co	16.1	mg/kg	0.5
B13	1	B13-1'	5/6/2016	7440-47-3	Chromium, Cr	30.7	mg/kg	0.5
B13	1	B13-1'	5/6/2016	7440-50-8	Copper, Cu	29.8	mg/kg	0.5
B13	1	B13-1'	5/6/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
B13	1	B13-1'	5/6/2016	7440-02-0	Nickel, Ni	19.2	mg/kg	0.5
B13	1	B13-1'	5/6/2016	7439-92-1	Lead, Pb	8.5	mg/kg	0.5
B13	1	B13-1'	5/6/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
B13	1	B13-1'	5/6/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
B13	1	B13-1'	5/6/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
B13	1	B13-1'	5/6/2016	7440-62-2	Vanadium, V	65.3	mg/kg	0.5
B13	1	B13-1'	5/6/2016	7440-66-6	Zinc, Zn	83.1	mg/kg	0.5
B13	1	B13-1'	5/6/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
B13	1	B13-1'	5/6/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
B13	1	B13-1'	5/6/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
B13	1	B13-1'	5/6/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
B13	1	B13-1'	5/6/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
B13	1	B13-1'	5/6/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
B13	1	B13-1'	5/6/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
B13	1	B13-1'	5/6/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
B13	1	B13-1'	5/6/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
B13	1	B13-1'	5/6/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
B13	1	B13-1'	5/6/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
B13	1	B13-1'	5/6/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
B13	1	B13-1'	5/6/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
B13	1	B13-1'	5/6/2016	106-93-4	1,2-Dibromomethane (EDB)	ND	µg/kg	1
B13	1	B13-1'	5/6/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
B13	1	B13-1'	5/6/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
B13	1	B13-1'	5/6/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
B13	1	B13-1'	5/6/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
B13	1	B13-1'	5/6/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
B13	1	B13-1'	5/6/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
B13	1	B13-1'	5/6/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
B13	1	B13-1'	5/6/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
B13	1	B13-1'	5/6/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
B13	1	B13-1'	5/6/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
B13	1	B13-1'	5/6/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
B13	1	B13-1'	5/6/2016	71-43-2	Benzene	ND	µg/kg	1
B13	1	B13-1'	5/6/2016	108-86-1	Bromobenzene	ND	µg/kg	1
B13	1	B13-1'	5/6/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
B13	1	B13-1'	5/6/2016	75-25-2	Bromoform	ND	µg/kg	1
B13	1	B13-1'	5/6/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
B13	1	B13-1'	5/6/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
B13	1	B13-1'	5/6/2016	67-66-3	Chloroform	ND	µg/kg	1
B13	1	B13-1'	5/6/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
B13	1	B13-1'	5/6/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
B13	1	B13-1'	5/6/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
B13	1	B13-1'	5/6/2016	74-95-3	Dibromomethane	ND	µg/kg	1
B13	1	B13-1'	5/6/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
B13	1	B13-1'	5/6/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
B13	1	B13-1'	5/6/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
B13	1	B13-1'	5/6/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
B13	1	B13-1'	5/6/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
B13	1	B13-1'	5/6/2016	76-13-1	Freon 113	ND	µg/kg	5
B13	1	B13-1'	5/6/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
B13	1	B13-1'	5/6/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
B13	1	B13-1'	5/6/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
B13	1	B13-1'	5/6/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
B13	1	B13-1'	5/6/2016	91-20-3	Naphthalene	ND	µg/kg	1
B13	1	B13-1'	5/6/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
B13	1	B13-1'	5/6/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
B13	1	B13-1'	5/6/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
B13	1	B13-1'	5/6/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
B13	1	B13-1'	5/6/2016	100-42-5	Styrene	ND	µg/kg	1
B13	1	B13-1'	5/6/2016	75-65-0	Tert-Butylalcohol (TBA)	ND	µg/kg	50
B13	1	B13-1'	5/6/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
B13	1	B13-1'	5/6/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
B13	1	B13-1'	5/6/2016	127-18-4	Tetrachloroethylene	ND	µg/kg	1
B13	1	B13-1'	5/6/2016	108-88-3	Toluene	ND	µg/kg	1
B13	1	B13-1'	5/6/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
B13	1	B13-1'	5/6/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
B13	1	B13-1'	5/6/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
B13	1	B13-1'	5/6/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
B13	1	B13-1'	5/6/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
B13	1	B13-1'	5/6/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
B13	1	B13-1'	5/6/2016	108-38-3	Xylenes	ND	µg/kg	1
B13	5	B13-5'	5/6/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
B13	5	B13-5'	5/6/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
B13	5	B13-5'	5/6/2016	7440-39-3	Barium, Ba	226	mg/kg	0.5
B13	5	B13-5'	5/6/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
B13	5	B13-5'	5/6/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
B13	5	B13-5'	5/6/2016	7440-48-4	Cobalt, Co	20.9	mg/kg	0.5
B13	5	B13-5'	5/6/2016	7440-47-3	Chromium, Cr	35.3	mg/kg	0.5
B13	5	B13-5'	5/6/2016	7440-50-8	Copper, Cu	48.2	mg/kg	0.5
B13	5	B13-5'	5/6/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
B13	5	B13-5'	5/6/2016	7440-02-0	Nickel, Ni	28.3	mg/kg	0.5
B13	5	B13-5'	5/6/2016	7439-92-1	Lead, Pb	10.6	mg/kg	0.5
B13	5	B13-5'	5/6/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
B13	5	B13-5'	5/6/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
B13	5	B13-5'	5/6/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
B13	5	B13-5'	5/6/2016	7440-62-2	Vanadium, V	75.3	mg/kg	0.5
B13	5	B13-5'	5/6/2016	7440-66-6	Zinc, Zn	236	mg/kg	0.5
B13	5	B13-5'	5/6/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
B13	5	B13-5'	5/6/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
B13	5	B13-5'	5/6/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
B13	5	B13-5'	5/6/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
B13	5	B13-5'	5/6/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
B13	5	B13-5'	5/6/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
B13	5	B13-5'	5/6/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
B13	5	B13-5'	5/6/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
B13	5	B13-5'	5/6/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
B13	5	B13-5'	5/6/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
B13	5	B13-5'	5/6/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
B13	5	B13-5'	5/6/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
B13	5	B13-5'	5/6/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
B13	5	B13-5'	5/6/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
B13	5	B13-5'	5/6/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
B13	5	B13-5'	5/6/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
B13	5	B13-5'	5/6/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
B13	5	B13-5'	5/6/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
B13	5	B13-5'	5/6/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
B13	5	B13-5'	5/6/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
B13	5	B13-5'	5/6/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
B13	5	B13-5'	5/6/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
B13	5	B13-5'	5/6/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
B13	5	B13-5'	5/6/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
B13	5	B13-5'	5/6/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
B13	5	B13-5'	5/6/2016	71-43-2	Benzene	ND	µg/kg	1
B13	5	B13-5'	5/6/2016	108-86-1	Bromobenzene	ND	µg/kg	1
B13	5	B13-5'	5/6/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
B13	5	B13-5'	5/6/2016	75-25-2	Bromoform	ND	µg/kg	1
B13	5	B13-5'	5/6/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
B13	5	B13-5'	5/6/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
B13	5	B13-5'	5/6/2016	67-66-3	Chloroform	ND	µg/kg	1
B13	5	B13-5'	5/6/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
B13	5	B13-5'	5/6/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
B13	5	B13-5'	5/6/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
B13	5	B13-5'	5/6/2016	74-95-3	Dibromomethane	ND	µg/kg	1
B13	5	B13-5'	5/6/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
B13	5	B13-5'	5/6/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
B13	5	B13-5'	5/6/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
B13	5	B13-5'	5/6/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
B13	5	B13-5'	5/6/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
B13	5	B13-5'	5/6/2016	76-13-1	Freon 113	ND	µg/kg	5
B13	5	B13-5'	5/6/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
B13	5	B13-5'	5/6/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
B13	5	B13-5'	5/6/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
B13	5	B13-5'	5/6/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
B13	5	B13-5'	5/6/2016	91-20-3	Naphthalene	ND	µg/kg	1
B13	5	B13-5'	5/6/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
B13	5	B13-5'	5/6/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
B13	5	B13-5'	5/6/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
B13	5	B13-5'	5/6/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
B13	5	B13-5'	5/6/2016	100-42-5	Styrene	ND	µg/kg	1
B13	5	B13-5'	5/6/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
B13	5	B13-5'	5/6/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
B13	5	B13-5'	5/6/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
B13	5	B13-5'	5/6/2016	127-18-4	Tetrachloroethylene	2.1	µg/kg	1
B13	5	B13-5'	5/6/2016	108-88-3	Toluene	ND	µg/kg	1
B13	5	B13-5'	5/6/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
B13	5	B13-5'	5/6/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
B13	5	B13-5'	5/6/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
B13	5	B13-5'	5/6/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
B13	5	B13-5'	5/6/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
B13	5	B13-5'	5/6/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
B13	5	B13-5'	5/6/2016	108-38-3	Xylenes	ND	µg/kg	1
B13	11	B13-11'	5/6/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
B13	11	B13-11'	5/6/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
B13	11	B13-11'	5/6/2016	7440-39-3	Barium, Ba	226	mg/kg	0.5
B13	11	B13-11'	5/6/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
B13	11	B13-11'	5/6/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
B13	11	B13-11'	5/6/2016	7440-48-4	Cobalt, Co	20.6	mg/kg	0.5
B13	11	B13-11'	5/6/2016	7440-47-3	Chromium, Cr	32.8	mg/kg	0.5
B13	11	B13-11'	5/6/2016	7440-50-8	Copper, Cu	37	mg/kg	0.5
B13	11	B13-11'	5/6/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
B13	11	B13-11'	5/6/2016	7440-02-0	Nickel, Ni	24.3	mg/kg	0.5
B13	11	B13-11'	5/6/2016	7439-92-1	Lead, Pb	3.2	mg/kg	0.5
B13	11	B13-11'	5/6/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
B13	11	B13-11'	5/6/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
B13	11	B13-11'	5/6/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
B13	11	B13-11'	5/6/2016	7440-62-2	Vanadium, V	71.1	mg/kg	0.5
B13	11	B13-11'	5/6/2016	7440-66-6	Zinc, Zn	82	mg/kg	0.5
B13	11	B13-11'	5/6/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
B13	11	B13-11'	5/6/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
B13	11	B13-11'	5/6/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
B13	11	B13-11'	5/6/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
B13	11	B13-11'	5/6/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
B13	11	B13-11'	5/6/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
B13	11	B13-11'	5/6/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
B13	11	B13-11'	5/6/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
B13	11	B13-11'	5/6/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
B13	11	B13-11'	5/6/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
B13	11	B13-11'	5/6/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
B13	11	B13-11'	5/6/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
B13	11	B13-11'	5/6/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
B13	11	B13-11'	5/6/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
B13	11	B13-11'	5/6/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
B13	11	B13-11'	5/6/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
B13	11	B13-11'	5/6/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
B13	11	B13-11'	5/6/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
B13	11	B13-11'	5/6/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
B13	11	B13-11'	5/6/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
B13	11	B13-11'	5/6/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
B13	11	B13-11'	5/6/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
B13	11	B13-11'	5/6/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
B13	11	B13-11'	5/6/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
B13	11	B13-11'	5/6/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
B13	11	B13-11'	5/6/2016	71-43-2	Benzene	ND	µg/kg	1
B13	11	B13-11'	5/6/2016	108-86-1	Bromobenzene	ND	µg/kg	1
B13	11	B13-11'	5/6/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
B13	11	B13-11'	5/6/2016	75-25-2	Bromoform	ND	µg/kg	1
B13	11	B13-11'	5/6/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
B13	11	B13-11'	5/6/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
B13	11	B13-11'	5/6/2016	67-66-3	Chloroform	ND	µg/kg	1
B13	11	B13-11'	5/6/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
B13	11	B13-11'	5/6/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
B13	11	B13-11'	5/6/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
B13	11	B13-11'	5/6/2016	74-95-3	Dibromomethane	ND	µg/kg	1
B13	11	B13-11'	5/6/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
B13	11	B13-11'	5/6/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
B13	11	B13-11'	5/6/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
B13	11	B13-11'	5/6/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
B13	11	B13-11'	5/6/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
B13	11	B13-11'	5/6/2016	76-13-1	Freon 113	ND	µg/kg	5
B13	11	B13-11'	5/6/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
B13	11	B13-11'	5/6/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
B13	11	B13-11'	5/6/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
B13	11	B13-11'	5/6/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
B13	11	B13-11'	5/6/2016	91-20-3	Naphthalene	ND	µg/kg	1
B13	11	B13-11'	5/6/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
B13	11	B13-11'	5/6/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
B13	11	B13-11'	5/6/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
B13	11	B13-11'	5/6/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
B13	11	B13-11'	5/6/2016	100-42-5	Styrene	ND	µg/kg	1
B13	11	B13-11'	5/6/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
B13	11	B13-11'	5/6/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
B13	11	B13-11'	5/6/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
B13	11	B13-11'	5/6/2016	127-18-4	Tetrachloroethylene	1.2	µg/kg	1
B13	11	B13-11'	5/6/2016	108-88-3	Toluene	ND	µg/kg	1
B13	11	B13-11'	5/6/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
B13	11	B13-11'	5/6/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
B13	11	B13-11'	5/6/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
B13	11	B13-11'	5/6/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
B13	11	B13-11'	5/6/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
B13	11	B13-11'	5/6/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
B13	11	B13-11'	5/6/2016	108-38-3	Xylenes	ND	µg/kg	1
B14	1	B14-1'	5/6/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
B14	1	B14-1'	5/6/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
B14	1	B14-1'	5/6/2016	7440-39-3	Barium, Ba	88.8	mg/kg	0.5
B14	1	B14-1'	5/6/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
B14	1	B14-1'	5/6/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
B14	1	B14-1'	5/6/2016	7440-48-4	Cobalt, Co	15.2	mg/kg	0.5
B14	1	B14-1'	5/6/2016	7440-47-3	Chromium, Cr	52.2	mg/kg	0.5
B14	1	B14-1'	5/6/2016	7440-50-8	Copper, Cu	26.5	mg/kg	0.5
B14	1	B14-1'	5/6/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
B14	1	B14-1'	5/6/2016	7440-02-0	Nickel, Ni	28.5	mg/kg	0.5
B14	1	B14-1'	5/6/2016	7439-92-1	Lead, Pb	23.9	mg/kg	0.5
B14	1	B14-1'	5/6/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
B14	1	B14-1'	5/6/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
B14	1	B14-1'	5/6/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
B14	1	B14-1'	5/6/2016	7440-62-2	Vanadium, V	60.8	mg/kg	0.5
B14	1	B14-1'	5/6/2016	7440-66-6	Zinc, Zn	68.8	mg/kg	0.5
B14	1	B14-1'	5/6/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
B14	1	B14-1'	5/6/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
B14	1	B14-1'	5/6/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
B14	1	B14-1'	5/6/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
B14	1	B14-1'	5/6/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
B14	1	B14-1'	5/6/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
B14	1	B14-1'	5/6/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
B14	1	B14-1'	5/6/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
B14	1	B14-1'	5/6/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
B14	1	B14-1'	5/6/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
B14	1	B14-1'	5/6/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
B14	1	B14-1'	5/6/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
B14	1	B14-1'	5/6/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
B14	1	B14-1'	5/6/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
B14	1	B14-1'	5/6/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
B14	1	B14-1'	5/6/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
B14	1	B14-1'	5/6/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
B14	1	B14-1'	5/6/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
B14	1	B14-1'	5/6/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
B14	1	B14-1'	5/6/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
B14	1	B14-1'	5/6/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
B14	1	B14-1'	5/6/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
B14	1	B14-1'	5/6/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
B14	1	B14-1'	5/6/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
B14	1	B14-1'	5/6/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
B14	1	B14-1'	5/6/2016	71-43-2	Benzene	ND	µg/kg	1
B14	1	B14-1'	5/6/2016	108-86-1	Bromobenzene	ND	µg/kg	1
B14	1	B14-1'	5/6/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
B14	1	B14-1'	5/6/2016	75-25-2	Bromoform	ND	µg/kg	1
B14	1	B14-1'	5/6/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
B14	1	B14-1'	5/6/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
B14	1	B14-1'	5/6/2016	67-66-3	Chloroform	ND	µg/kg	1
B14	1	B14-1'	5/6/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
B14	1	B14-1'	5/6/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
B14	1	B14-1'	5/6/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
B14	1	B14-1'	5/6/2016	74-95-3	Dibromomethane	ND	µg/kg	1
B14	1	B14-1'	5/6/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
B14	1	B14-1'	5/6/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
B14	1	B14-1'	5/6/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
B14	1	B14-1'	5/6/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
B14	1	B14-1'	5/6/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
B14	1	B14-1'	5/6/2016	76-13-1	Freon 113	ND	µg/kg	5
B14	1	B14-1'	5/6/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
B14	1	B14-1'	5/6/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
B14	1	B14-1'	5/6/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
B14	1	B14-1'	5/6/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
B14	1	B14-1'	5/6/2016	91-20-3	Naphthalene	ND	µg/kg	1
B14	1	B14-1'	5/6/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
B14	1	B14-1'	5/6/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
B14	1	B14-1'	5/6/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
B14	1	B14-1'	5/6/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
B14	1	B14-1'	5/6/2016	100-42-5	Styrene	ND	µg/kg	1
B14	1	B14-1'	5/6/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
B14	1	B14-1'	5/6/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
B14	1	B14-1'	5/6/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
B14	1	B14-1'	5/6/2016	127-18-4	Tetrachloroethylene	ND	µg/kg	1
B14	1	B14-1'	5/6/2016	108-88-3	Toluene	ND	µg/kg	1
B14	1	B14-1'	5/6/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
B14	1	B14-1'	5/6/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
B14	1	B14-1'	5/6/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
B14	1	B14-1'	5/6/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
B14	1	B14-1'	5/6/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
B14	1	B14-1'	5/6/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
B14	1	B14-1'	5/6/2016	108-38-3	Xylenes	ND	µg/kg	1
B14	5	B14-5'	5/6/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
B14	5	B14-5'	5/6/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
B14	5	B14-5'	5/6/2016	7440-39-3	Barium, Ba	84.3	mg/kg	0.5
B14	5	B14-5'	5/6/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
B14	5	B14-5'	5/6/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
B14	5	B14-5'	5/6/2016	7440-48-4	Cobalt, Co	5.6	mg/kg	0.5
B14	5	B14-5'	5/6/2016	7440-47-3	Chromium, Cr	6.7	mg/kg	0.5
B14	5	B14-5'	5/6/2016	7440-50-8	Copper, Cu	10.3	mg/kg	0.5
B14	5	B14-5'	5/6/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
B14	5	B14-5'	5/6/2016	7440-02-0	Nickel, Ni	2.3	mg/kg	0.5
B14	5	B14-5'	5/6/2016	7439-92-1	Lead, Pb	ND	mg/kg	0.5
B14	5	B14-5'	5/6/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
B14	5	B14-5'	5/6/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
B14	5	B14-5'	5/6/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
B14	5	B14-5'	5/6/2016	7440-62-2	Vanadium, V	38.7	mg/kg	0.5
B14	5	B14-5'	5/6/2016	7440-66-6	Zinc, Zn	21.7	mg/kg	0.5
B14	5	B14-5'	5/6/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
B14	5	B14-5'	5/8/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
B14	5	B14-5'	5/8/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
B14	5	B14-5'	5/8/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
B14	5	B14-5'	5/8/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
B14	5	B14-5'	5/8/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
B14	5	B14-5'	5/8/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
B14	5	B14-5'	5/8/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
B14	5	B14-5'	5/8/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
B14	5	B14-5'	5/8/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
B14	5	B14-5'	5/8/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
B14	5	B14-5'	5/8/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
B14	5	B14-5'	5/8/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
B14	5	B14-5'	5/8/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
B14	5	B14-5'	5/8/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
B14	5	B14-5'	5/8/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
B14	5	B14-5'	5/8/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
B14	5	B14-5'	5/8/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
B14	5	B14-5'	5/8/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
B14	5	B14-5'	5/8/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
B14	5	B14-5'	5/8/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
B14	5	B14-5'	5/8/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
B14	5	B14-5'	5/8/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
B14	5	B14-5'	5/8/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
B14	5	B14-5'	5/8/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
B14	5	B14-5'	5/8/2016	71-43-2	Benzene	ND	µg/kg	1
B14	5	B14-5'	5/8/2016	108-86-1	Bromobenzene	ND	µg/kg	1
B14	5	B14-5'	5/8/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
B14	5	B14-5'	5/8/2016	75-25-2	Bromoform	ND	µg/kg	1
B14	5	B14-5'	5/8/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
B14	5	B14-5'	5/8/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
B14	5	B14-5'	5/8/2016	67-66-3	Chloroform	ND	µg/kg	1
B14	5	B14-5'	5/8/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
B14	5	B14-5'	5/8/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
B14	5	B14-5'	5/8/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
B14	5	B14-5'	5/8/2016	74-95-3	Dibromomethane	ND	µg/kg	1
B14	5	B14-5'	5/8/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
B14	5	B14-5'	5/8/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
B14	5	B14-5'	5/6/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
B14	5	B14-5'	5/8/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
B14	5	B14-5'	5/8/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
B14	5	B14-5'	5/8/2016	76-13-1	Freon 113	ND	µg/kg	5
B14	5	B14-5'	5/8/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
B14	5	B14-5'	5/8/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
B14	5	B14-5'	5/8/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
B14	5	B14-5'	5/8/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
B14	5	B14-5'	5/8/2016	91-20-3	Naphthalene	ND	µg/kg	1
B14	5	B14-5'	5/8/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
B14	5	B14-5'	5/8/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
B14	5	B14-5'	5/6/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
B14	5	B14-5'	5/8/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
B14	5	B14-5'	5/8/2016	100-42-5	Styrene	ND	µg/kg	1
B14	5	B14-5'	5/8/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
B14	5	B14-5'	5/8/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
B14	5	B14-5'	5/8/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
B14	5	B14-5'	5/8/2016	127-18-4	Tetrachloroethylene	ND	µg/kg	1
B14	5	B14-5'	5/8/2016	108-88-3	Toluene	ND	µg/kg	1
B14	5	B14-5'	5/8/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
B14	5	B14-5'	5/8/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
B14	5	B14-5'	5/8/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
B14	5	B14-5'	5/8/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
B14	5	B14-5'	5/8/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
B14	5	B14-5'	5/8/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
B14	5	B14-5'	5/8/2016	108-38-3	Xylenes	ND	µg/kg	1
B14	11	B14-11'	5/6/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
B14	11	B14-11'	5/6/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
B14	11	B14-11'	5/6/2016	7440-39-3	Barium, Ba	179	mg/kg	0.5
B14	11	B14-11'	5/6/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
B14	11	B14-11'	5/6/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
B14	11	B14-11'	5/6/2016	7440-48-4	Cobalt, Co	15.2	mg/kg	0.5
B14	11	B14-11'	5/6/2016	7440-47-3	Chromium, Cr	26.7	mg/kg	0.5
B14	11	B14-11'	5/6/2016	7440-50-8	Copper, Cu	28.8	mg/kg	0.5

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
B14	11	B14-11'	5/6/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
B14	11	B14-11'	5/6/2016	7440-02-0	Nickel, Ni	18.9	mg/kg	0.5
B14	11	B14-11'	5/6/2016	7439-92-1	Lead, Pb	2.1	mg/kg	0.5
B14	11	B14-11'	5/6/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
B14	11	B14-11'	5/6/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
B14	11	B14-11'	5/6/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
B14	11	B14-11'	5/6/2016	7440-62-2	Vanadium, V	57.1	mg/kg	0.5
B14	11	B14-11'	5/6/2016	7440-66-6	Zinc, Zn	63.5	mg/kg	0.5
B14	11	B14-11'	5/6/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
B14	11	B14-11'	5/6/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
B14	11	B14-11'	5/6/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
B14	11	B14-11'	5/6/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
B14	11	B14-11'	5/6/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
B14	11	B14-11'	5/6/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
B14	11	B14-11'	5/6/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
B14	11	B14-11'	5/6/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
B14	11	B14-11'	5/6/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
B14	11	B14-11'	5/6/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
B14	11	B14-11'	5/6/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
B14	11	B14-11'	5/6/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
B14	11	B14-11'	5/6/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
B14	11	B14-11'	5/6/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
B14	11	B14-11'	5/6/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
B14	11	B14-11'	5/6/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
B14	11	B14-11'	5/6/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
B14	11	B14-11'	5/6/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
B14	11	B14-11'	5/6/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
B14	11	B14-11'	5/6/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
B14	11	B14-11'	5/6/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
B14	11	B14-11'	5/6/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
B14	11	B14-11'	5/6/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
B14	11	B14-11'	5/6/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
B14	11	B14-11'	5/6/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
B14	11	B14-11'	5/6/2016	71-43-2	Benzene	ND	µg/kg	1
B14	11	B14-11'	5/6/2016	108-86-1	Bromobenzene	ND	µg/kg	1
B14	11	B14-11'	5/6/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
B14	11	B14-11'	5/6/2016	75-25-2	Bromoform	ND	µg/kg	1
B14	11	B14-11'	5/6/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
B14	11	B14-11'	5/6/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
B14	11	B14-11'	5/6/2016	67-66-3	Chloroform	ND	µg/kg	1
B14	11	B14-11'	5/6/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
B14	11	B14-11'	5/6/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
B14	11	B14-11'	5/6/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
B14	11	B14-11'	5/6/2016	74-95-3	Dibromomethane	ND	µg/kg	1
B14	11	B14-11'	5/6/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
B14	11	B14-11'	5/6/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
B14	11	B14-11'	5/6/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
B14	11	B14-11'	5/6/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
B14	11	B14-11'	5/6/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
B14	11	B14-11'	5/6/2016	76-13-1	Freon 113	ND	µg/kg	5
B14	11	B14-11'	5/6/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
B14	11	B14-11'	5/6/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
B14	11	B14-11'	5/6/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
B14	11	B14-11'	5/6/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
B14	11	B14-11'	5/6/2016	91-20-3	Naphthalene	ND	µg/kg	1
B14	11	B14-11'	5/6/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
B14	11	B14-11'	5/6/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
B14	11	B14-11'	5/6/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
B14	11	B14-11'	5/6/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
B14	11	B14-11'	5/6/2016	100-42-5	Styrene	ND	µg/kg	1
B14	11	B14-11'	5/6/2016	75-65-0	Tert-Butylalcohol (TBA)	ND	µg/kg	50
B14	11	B14-11'	5/6/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
B14	11	B14-11'	5/6/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
B14	11	B14-11'	5/6/2016	127-18-4	Tetrachloroethylene	ND	µg/kg	1
B14	11	B14-11'	5/6/2016	108-88-3	Toluene	ND	µg/kg	1
B14	11	B14-11'	5/6/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
B14	11	B14-11'	5/6/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
B14	11	B14-11'	5/6/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
B14	11	B14-11'	5/6/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
B14	11	B14-11'	5/6/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
B14	11	B14-11'	5/6/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
B14	11	B14-11'	5/6/2016	108-38-3	Xylenes	ND	µg/kg	1
B15	1	B15-1'	5/6/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
B15	1	B15-1'	5/6/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
B15	1	B15-1'	5/6/2016	7440-39-3	Barium, Ba	47.5	mg/kg	0.5
B15	1	B15-1'	5/6/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
B15	1	B15-1'	5/6/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
B15	1	B15-1'	5/6/2016	7440-48-4	Cobalt, Co	16	mg/kg	0.5
B15	1	B15-1'	5/6/2016	7440-47-3	Chromium, Cr	45.4	mg/kg	0.5
B15	1	B15-1'	5/6/2016	7440-50-8	Copper, Cu	19.5	mg/kg	0.5
B15	1	B15-1'	5/6/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
B15	1	B15-1'	5/6/2016	7440-02-0	Nickel, Ni	27.5	mg/kg	0.5
B15	1	B15-1'	5/6/2016	7439-92-1	Lead, Pb	7.8	mg/kg	0.5
B15	1	B15-1'	5/6/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
B15	1	B15-1'	5/6/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
B15	1	B15-1'	5/6/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
B15	1	B15-1'	5/6/2016	7440-62-2	Vanadium, V	51.6	mg/kg	0.5
B15	1	B15-1'	5/6/2016	7440-66-6	Zinc, Zn	52.6	mg/kg	0.5
B15	1	B15-1'	5/6/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
B15	1	B15-1'	5/6/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
B15	1	B15-1'	5/6/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
B15	1	B15-1'	5/6/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
B15	1	B15-1'	5/6/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
B15	1	B15-1'	5/6/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
B15	1	B15-1'	5/6/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
B15	1	B15-1'	5/6/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
B15	1	B15-1'	5/6/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
B15	1	B15-1'	5/6/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
B15	1	B15-1'	5/6/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
B15	1	B15-1'	5/6/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
B15	1	B15-1'	5/6/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
B15	1	B15-1'	5/6/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
B15	1	B15-1'	5/6/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
B15	1	B15-1'	5/6/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
B15	1	B15-1'	5/6/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
B15	1	B15-1'	5/6/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
B15	1	B15-1'	5/6/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
B15	1	B15-1'	5/6/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
B15	1	B15-1'	5/6/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
B15	1	B15-1'	5/6/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
B15	1	B15-1'	5/6/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
B15	1	B15-1'	5/6/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
B15	1	B15-1'	5/6/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
B15	1	B15-1'	5/6/2016	71-43-2	Benzene	ND	µg/kg	1
B15	1	B15-1'	5/6/2016	108-86-1	Bromobenzene	ND	µg/kg	1
B15	1	B15-1'	5/6/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
B15	1	B15-1'	5/6/2016	75-25-2	Bromoform	ND	µg/kg	1
B15	1	B15-1'	5/6/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
B15	1	B15-1'	5/6/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
B15	1	B15-1'	5/6/2016	67-66-3	Chloroform	ND	µg/kg	1
B15	1	B15-1'	5/6/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
B15	1	B15-1'	5/6/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
B15	1	B15-1'	5/6/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
B15	1	B15-1'	5/6/2016	74-95-3	Dibromomethane	ND	µg/kg	1
B15	1	B15-1'	5/6/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
B15	1	B15-1'	5/6/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
B15	1	B15-1'	5/6/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
B15	1	B15-1'	5/6/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
B15	1	B15-1'	5/6/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
B15	1	B15-1'	5/6/2016	76-13-1	Freon 113	ND	µg/kg	5
B15	1	B15-1'	5/6/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
B15	1	B15-1'	5/6/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
B15	1	B15-1'	5/6/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
B15	1	B15-1'	5/6/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
B15	1	B15-1'	5/6/2016	91-20-3	Naphthalene	ND	µg/kg	1
B15	1	B15-1'	5/6/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
B15	1	B15-1'	5/6/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
B15	1	B15-1'	5/6/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
B15	1	B15-1'	5/6/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
B15	1	B15-1'	5/6/2016	100-42-5	Styrene	ND	µg/kg	1
B15	1	B15-1'	5/6/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
B15	1	B15-1'	5/6/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
B15	1	B15-1'	5/6/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
B15	1	B15-1'	5/6/2016	127-18-4	Tetrachloroethylene	ND	µg/kg	1
B15	1	B15-1'	5/6/2016	108-88-3	Toluene	ND	µg/kg	1
B15	1	B15-1'	5/6/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
B15	1	B15-1'	5/6/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
B15	1	B15-1'	5/6/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
B15	1	B15-1'	5/6/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
B15	1	B15-1'	5/6/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
B15	1	B15-1'	5/6/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
B15	1	B15-1'	5/6/2016	108-38-3	Xylenes	ND	µg/kg	1
B15	4	B15-4'	5/6/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
B15	4	B15-4'	5/6/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
B15	4	B15-4'	5/6/2016	7440-39-3	Barium, Ba	253	mg/kg	0.5
B15	4	B15-4'	5/6/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
B15	4	B15-4'	5/6/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
B15	4	B15-4'	5/6/2016	7440-48-4	Cobalt, Co	13	mg/kg	0.5
B15	4	B15-4'	5/6/2016	7440-47-3	Chromium, Cr	24.4	mg/kg	0.5
B15	4	B15-4'	5/6/2016	7440-50-8	Copper, Cu	23.8	mg/kg	0.5
B15	4	B15-4'	5/6/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
B15	4	B15-4'	5/6/2016	7440-02-0	Nickel, Ni	24.3	mg/kg	0.5
B15	4	B15-4'	5/6/2016	7439-92-1	Lead, Pb	6.2	mg/kg	0.5
B15	4	B15-4'	5/6/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
B15	4	B15-4'	5/6/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
B15	4	B15-4'	5/6/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
B15	4	B15-4'	5/6/2016	7440-62-2	Vanadium, V	69.2	mg/kg	0.5
B15	4	B15-4'	5/6/2016	7440-66-6	Zinc, Zn	62.4	mg/kg	0.5
B15	4	B15-4'	5/6/2016	7439-97-6	Mercury, Hg	0.042	mg/kg	0.02
B15	4	B15-4'	5/6/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
B15	4	B15-4'	5/6/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
B15	4	B15-4'	5/6/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
B15	4	B15-4'	5/6/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
B15	4	B15-4'	5/6/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
B15	4	B15-4'	5/6/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
B15	4	B15-4'	5/6/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
B15	4	B15-4'	5/6/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
B15	4	B15-4'	5/6/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
B15	4	B15-4'	5/6/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
B15	4	B15-4'	5/6/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
B15	4	B15-4'	5/6/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
B15	4	B15-4'	5/6/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
B15	4	B15-4'	5/6/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
B15	4	B15-4'	5/6/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
B15	4	B15-4'	5/6/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
B15	4	B15-4'	5/6/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
B15	4	B15-4'	5/6/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
B15	4	B15-4'	5/6/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
B15	4	B15-4'	5/6/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
B15	4	B15-4'	5/6/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
B15	4	B15-4'	5/6/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
B15	4	B15-4'	5/6/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
B15	4	B15-4'	5/6/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
B15	4	B15-4'	5/6/2016	71-43-2	Benzene	ND	µg/kg	1
B15	4	B15-4'	5/6/2016	108-86-1	Bromobenzene	ND	µg/kg	1
B15	4	B15-4'	5/6/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
B15	4	B15-4'	5/6/2016	75-25-2	Bromoform	ND	µg/kg	1
B15	4	B15-4'	5/6/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
B15	4	B15-4'	5/6/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
B15	4	B15-4'	5/6/2016	67-66-3	Chloroform	ND	µg/kg	1
B15	4	B15-4'	5/6/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
B15	4	B15-4'	5/6/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
B15	4	B15-4'	5/6/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
B15	4	B15-4'	5/6/2016	74-95-3	Dibromomethane	ND	µg/kg	1
B15	4	B15-4'	5/6/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
B15	4	B15-4'	5/6/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
B15	4	B15-4'	5/6/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
B15	4	B15-4'	5/6/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
B15	4	B15-4'	5/6/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
B15	4	B15-4'	5/6/2016	76-13-1	Freon 113	ND	µg/kg	5
B15	4	B15-4'	5/6/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
B15	4	B15-4'	5/6/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
B15	4	B15-4'	5/6/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
B15	4	B15-4'	5/6/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
B15	4	B15-4'	5/6/2016	91-20-3	Naphthalene	ND	µg/kg	1
B15	4	B15-4'	5/6/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
B15	4	B15-4'	5/6/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
B15	4	B15-4'	5/6/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
B15	4	B15-4'	5/6/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
B15	4	B15-4'	5/6/2016	100-42-5	Styrene	ND	µg/kg	1
B15	4	B15-4'	5/6/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
B15	4	B15-4'	5/6/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
B15	4	B15-4'	5/6/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
B15	4	B15-4'	5/6/2016	127-18-4	Tetrachloroethylene	ND	µg/kg	1
B15	4	B15-4'	5/6/2016	108-88-3	Toluene	ND	µg/kg	1
B15	4	B15-4'	5/6/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
B15	4	B15-4'	5/6/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
B15	4	B15-4'	5/6/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
B15	4	B15-4'	5/6/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
B15	4	B15-4'	5/6/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
B15	4	B15-4'	5/6/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
B15	4	B15-4'	5/6/2016	108-38-3	Xylenes	ND	µg/kg	1
B15	5	B15-5'	5/6/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
B15	5	B15-5'	5/6/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
B15	5	B15-5'	5/6/2016	7440-39-3	Barium, Ba	130	mg/kg	0.5
B15	5	B15-5'	5/6/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
B15	5	B15-5'	5/6/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
B15	5	B15-5'	5/6/2016	7440-48-4	Cobalt, Co	6.9	mg/kg	0.5
B15	5	B15-5'	5/6/2016	7440-47-3	Chromium, Cr	27.8	mg/kg	0.5
B15	5	B15-5'	5/6/2016	7440-50-8	Copper, Cu	15.5	mg/kg	0.5
B15	5	B15-5'	5/6/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
B15	5	B15-5'	5/6/2016	7440-02-0	Nickel, Ni	20.5	mg/kg	0.5
B15	5	B15-5'	5/6/2016	7439-92-1	Lead, Pb	3.6	mg/kg	0.5
B15	5	B15-5'	5/6/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
B15	5	B15-5'	5/6/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
B15	5	B15-5'	5/6/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
B15	5	B15-5'	5/6/2016	7440-62-2	Vanadium, V	48.8	mg/kg	0.5
B15	5	B15-5'	5/6/2016	7440-66-6	Zinc, Zn	35.1	mg/kg	0.5
B15	5	B15-5'	5/6/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
B15	5	B15-5'	5/6/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
B15	5	B15-5'	5/6/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
B15	5	B15-5'	5/6/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
B15	5	B15-5'	5/6/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
B15	5	B15-5'	5/6/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
B15	5	B15-5'	5/6/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
B15	5	B15-5'	5/6/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
B15	5	B15-5'	5/6/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
B15	5	B15-5'	5/6/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
B15	5	B15-5'	5/6/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
B15	5	B15-5'	5/6/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
B15	5	B15-5'	5/6/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
B15	5	B15-5'	5/6/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
B15	5	B15-5'	5/6/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
B15	5	B15-5'	5/6/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
B15	5	B15-5'	5/6/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
B15	5	B15-5'	5/6/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
B15	5	B15-5'	5/6/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
B15	5	B15-5'	5/6/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
B15	5	B15-5'	5/6/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
B15	5	B15-5'	5/6/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
B15	5	B15-5'	5/6/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
B15	5	B15-5'	5/6/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
B15	5	B15-5'	5/6/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
B15	5	B15-5'	5/6/2016	71-43-2	Benzene	ND	µg/kg	1
B15	5	B15-5'	5/6/2016	108-86-1	Bromobenzene	ND	µg/kg	1
B15	5	B15-5'	5/6/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
B15	5	B15-5'	5/6/2016	75-25-2	Bromoform	ND	µg/kg	1
B15	5	B15-5'	5/6/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
B15	5	B15-5'	5/6/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
B15	5	B15-5'	5/6/2016	67-66-3	Chloroform	ND	µg/kg	1
B15	5	B15-5'	5/6/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
B15	5	B15-5'	5/6/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
B15	5	B15-5'	5/6/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
B15	5	B15-5'	5/6/2016	74-95-3	Dibromomethane	ND	µg/kg	1
B15	5	B15-5'	5/6/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
B15	5	B15-5'	5/6/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
B15	5	B15-5'	5/6/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
B15	5	B15-5'	5/6/2016	100-41-4	Ethylbenzene	3	µg/kg	1
B15	5	B15-5'	5/6/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
B15	5	B15-5'	5/6/2016	76-13-1	Freon 113	ND	µg/kg	5
B15	5	B15-5'	5/6/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
B15	5	B15-5'	5/6/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
B15	5	B15-5'	5/6/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
B15	5	B15-5'	5/6/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
B15	5	B15-5'	5/6/2016	91-20-3	Naphthalene	ND	µg/kg	1
B15	5	B15-5'	5/6/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
B15	5	B15-5'	5/6/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
B15	5	B15-5'	5/6/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
B15	5	B15-5'	5/6/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
B15	5	B15-5'	5/6/2016	100-42-5	Styrene	ND	µg/kg	1
B15	5	B15-5'	5/6/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
B15	5	B15-5'	5/6/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
B15	5	B15-5'	5/6/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
B15	5	B15-5'	5/6/2016	127-18-4	Tetrachloroethylene	ND	µg/kg	1
B15	5	B15-5'	5/6/2016	108-88-3	Toluene	1.8	µg/kg	1
B15	5	B15-5'	5/6/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
B15	5	B15-5'	5/6/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
B15	5	B15-5'	5/6/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
B15	5	B15-5'	5/6/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
B15	5	B15-5'	5/6/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
B15	5	B15-5'	5/6/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
B15	5	B15-5'	5/6/2016	108-38-3	Xylenes	ND	µg/kg	1
LB	4.5	LB-4.5'	5/6/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
LB	4.5	LB-4.5'	5/6/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
LB	4.5	LB-4.5'	5/6/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
LB	4.5	LB-4.5'	5/6/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
LB	4.5	LB-4.5'	5/6/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
LB	4.5	LB-4.5'	5/6/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
LB	4.5	LB-4.5'	5/6/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
LB	4.5	LB-4.5'	5/6/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
LB	4.5	LB-4.5'	5/6/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
LB	4.5	LB-4.5'	5/6/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
LB	4.5	LB-4.5'	5/6/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
LB	4.5	LB-4.5'	5/6/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
LB	4.5	LB-4.5'	5/6/2016	106-93-4	1,2-Dibromomethane (EDB)	ND	µg/kg	1
LB	4.5	LB-4.5'	5/6/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
LB	4.5	LB-4.5'	5/6/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
LB	4.5	LB-4.5'	5/6/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
LB	4.5	LB-4.5'	5/6/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
LB	4.5	LB-4.5'	5/6/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
LB	4.5	LB-4.5'	5/6/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
LB	4.5	LB-4.5'	5/6/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
LB	4.5	LB-4.5'	5/6/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
LB	4.5	LB-4.5'	5/6/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
LB	4.5	LB-4.5'	5/6/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
LB	4.5	LB-4.5'	5/6/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
LB	4.5	LB-4.5'	5/6/2016	71-43-2	Benzene	ND	µg/kg	1
LB	4.5	LB-4.5'	5/6/2016	108-86-1	Bromobenzene	ND	µg/kg	1
LB	4.5	LB-4.5'	5/6/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
LB	4.5	LB-4.5'	5/6/2016	75-25-2	Bromoform	ND	µg/kg	1
LB	4.5	LB-4.5'	5/6/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
LB	4.5	LB-4.5'	5/6/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
LB	4.5	LB-4.5'	5/6/2016	67-66-3	Chloroform	ND	µg/kg	1
LB	4.5	LB-4.5'	5/6/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
LB	4.5	LB-4.5'	5/6/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
LB	4.5	LB-4.5'	5/6/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
LB	4.5	LB-4.5'	5/6/2016	74-95-3	Dibromomethane	ND	µg/kg	1
LB	4.5	LB-4.5'	5/6/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
LB	4.5	LB-4.5'	5/6/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
LB	4.5	LB-4.5'	5/6/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
LB	4.5	LB-4.5'	5/6/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
LB	4.5	LB-4.5'	5/6/2016	76-13-1	Freon 113	ND	µg/kg	5
LB	4.5	LB-4.5'	5/6/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
LB	4.5	LB-4.5'	5/6/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
LB	4.5	LB-4.5'	5/6/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
LB	4.5	LB-4.5'	5/6/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
LB	4.5	LB-4.5'	5/6/2016	91-20-3	Naphthalene	ND	µg/kg	1
LB	4.5	LB-4.5'	5/6/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
LB	4.5	LB-4.5'	5/6/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
LB	4.5	LB-4.5'	5/6/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
LB	4.5	LB-4.5'	5/6/2016	100-42-5	Styrene	ND	µg/kg	1
LB	4.5	LB-4.5'	5/6/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
LB	4.5	LB-4.5'	5/6/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
LB	4.5	LB-4.5'	5/6/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
LB	4.5	LB-4.5'	5/6/2016	127-18-4	Tetrachloroethylene	2.2	µg/kg	1
LB	4.5	LB-4.5'	5/6/2016	108-88-3	Toluene	ND	µg/kg	1
LB	4.5	LB-4.5'	5/6/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
LB	4.5	LB-4.5'	5/6/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
LB	4.5	LB-4.5'	5/6/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
LB	4.5	LB-4.5'	5/6/2016	79-01-6	Trichloroethylene	ND	µg/kg	1

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
LB	4.5	LB-4.5'	5/6/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
LB	4.5	LB-4.5'	5/6/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
LB	4.5	LB-4.5'	5/6/2016	108-38-3	Xylenes	ND	µg/kg	1
LB1	1	LB1-1'	5/6/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
LB1	1	LB1-1'	5/6/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
LB1	1	LB1-1'	5/6/2016	7440-39-3	Barium, Ba	148	mg/kg	0.5
LB1	1	LB1-1'	5/6/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
LB1	1	LB1-1'	5/6/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
LB1	1	LB1-1'	5/6/2016	7440-48-4	Cobalt, Co	12.8	mg/kg	0.5
LB1	1	LB1-1'	5/6/2016	7440-47-3	Chromium, Cr	24.9	mg/kg	0.5
LB1	1	LB1-1'	5/6/2016	7440-50-8	Copper, Cu	26.1	mg/kg	0.5
LB1	1	LB1-1'	5/6/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
LB1	1	LB1-1'	5/6/2016	7440-02-0	Nickel, Ni	17.1	mg/kg	0.5
LB1	1	LB1-1'	5/6/2016	7439-92-1	Lead, Pb	5.6	mg/kg	0.5
LB1	1	LB1-1'	5/6/2016	7440-36-2	Antimony, Sb	ND	mg/kg	0.5
LB1	1	LB1-1'	5/6/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
LB1	1	LB1-1'	5/6/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
LB1	1	LB1-1'	5/6/2016	7440-62-2	Vanadium, V	46.7	mg/kg	0.5
LB1	1	LB1-1'	5/6/2016	7440-66-6	Zinc, Zn	65.9	mg/kg	0.5
LB1	1	LB1-1'	5/6/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
LB1	1	LB1-1'	5/6/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
LB1	1	LB1-1'	5/6/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
LB1	1	LB1-1'	5/6/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
LB1	1	LB1-1'	5/6/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
LB1	1	LB1-1'	5/6/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
LB1	1	LB1-1'	5/6/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
LB1	1	LB1-1'	5/6/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
LB1	1	LB1-1'	5/6/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
LB1	1	LB1-1'	5/6/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
LB1	1	LB1-1'	5/6/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
LB1	1	LB1-1'	5/6/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
LB1	1	LB1-1'	5/6/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
LB1	1	LB1-1'	5/6/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
LB1	1	LB1-1'	5/6/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
LB1	1	LB1-1'	5/6/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
LB1	1	LB1-1'	5/6/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
LB1	1	LB1-1'	5/6/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
LB1	1	LB1-1'	5/6/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
LB1	1	LB1-1'	5/6/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
LB1	1	LB1-1'	5/6/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
LB1	1	LB1-1'	5/6/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
LB1	1	LB1-1'	5/6/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
LB1	1	LB1-1'	5/6/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
LB1	1	LB1-1'	5/6/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
LB1	1	LB1-1'	5/6/2016	71-43-2	Benzene	ND	µg/kg	1
LB1	1	LB1-1'	5/6/2016	108-86-1	Bromobenzene	ND	µg/kg	1
LB1	1	LB1-1'	5/6/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
LB1	1	LB1-1'	5/6/2016	75-25-2	Bromoform	ND	µg/kg	1
LB1	1	LB1-1'	5/6/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
LB1	1	LB1-1'	5/6/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
LB1	1	LB1-1'	5/6/2016	67-66-3	Chloroform	ND	µg/kg	1
LB1	1	LB1-1'	5/6/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
LB1	1	LB1-1'	5/6/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
LB1	1	LB1-1'	5/6/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
LB1	1	LB1-1'	5/6/2016	74-95-3	Dibromomethane	ND	µg/kg	1
LB1	1	LB1-1'	5/6/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
LB1	1	LB1-1'	5/6/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
LB1	1	LB1-1'	5/6/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
LB1	1	LB1-1'	5/6/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
LB1	1	LB1-1'	5/6/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
LB1	1	LB1-1'	5/6/2016	76-13-1	Freon 113	ND	µg/kg	5
LB1	1	LB1-1'	5/6/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
LB1	1	LB1-1'	5/6/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
LB1	1	LB1-1'	5/6/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
LB1	1	LB1-1'	5/6/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
LB1	1	LB1-1'	5/6/2016	91-20-3	Naphthalene	ND	µg/kg	1
LB1	1	LB1-1'	5/6/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
LB1	1	LB1-1'	5/6/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
LB1	1	LB1-1'	5/6/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
LB1	1	LB1-1'	5/6/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
LB1	1	LB1-1'	5/6/2016	100-42-5	Styrene	ND	µg/kg	1
LB1	1	LB1-1'	5/6/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
LB1	1	LB1-1'	5/6/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
LB1	1	LB1-1'	5/6/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
LB1	1	LB1-1'	5/6/2016	127-18-4	Tetrachloroethylene	2.9	µg/kg	1
LB1	1	LB1-1'	5/6/2016	108-88-3	Toluene	ND	µg/kg	1
LB1	1	LB1-1'	5/6/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
LB1	1	LB1-1'	5/6/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
LB1	1	LB1-1'	5/6/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
LB1	1	LB1-1'	5/6/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
LB1	1	LB1-1'	5/6/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
LB1	1	LB1-1'	5/6/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
LB1	1	LB1-1'	5/6/2016	108-38-3	Xylenes	ND	µg/kg	1
LB1	4.5	LB1-4.5'	5/6/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
LB1	4.5	LB1-4.5'	5/6/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
LB1	4.5	LB1-4.5'	5/6/2016	7440-39-3	Barium, Ba	145	mg/kg	0.5
LB1	4.5	LB1-4.5'	5/6/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
LB1	4.5	LB1-4.5'	5/6/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
LB1	4.5	LB1-4.5'	5/6/2016	7440-48-4	Cobalt, Co	13.1	mg/kg	0.5
LB1	4.5	LB1-4.5'	5/6/2016	7440-47-3	Chromium, Cr	22.8	mg/kg	0.5
LB1	4.5	LB1-4.5'	5/6/2016	7440-50-8	Copper, Cu	26.9	mg/kg	0.5
LB1	4.5	LB1-4.5'	5/6/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
LB1	4.5	LB1-4.5'	5/6/2016	7440-02-0	Nickel, Ni	15.4	mg/kg	0.5
LB1	4.5	LB1-4.5'	5/6/2016	7439-92-1	Lead, Pb	4.1	mg/kg	0.5
LB1	4.5	LB1-4.5'	5/6/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
LB1	4.5	LB1-4.5'	5/6/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
LB1	4.5	LB1-4.5'	5/6/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
LB1	4.5	LB1-4.5'	5/6/2016	7440-62-2	Vanadium, V	51.7	mg/kg	0.5
LB1	4.5	LB1-4.5'	5/6/2016	7440-66-6	Zinc, Zn	60.9	mg/kg	0.5
LB1	4.5	LB1-4.5'	5/6/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
LB1	4.5	LB1-4.5'	5/6/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
LB1	4.5	LB1-4.5'	5/6/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
LB1	4.5	LB1-4.5'	5/6/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
LB1	4.5	LB1-4.5'	5/6/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
LB1	4.5	LB1-4.5'	5/6/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
LB1	4.5	LB1-4.5'	5/6/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
LB1	4.5	LB1-4.5'	5/6/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
LB1	4.5	LB1-4.5'	5/6/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
LB1	4.5	LB1-4.5'	5/6/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
LB1	4.5	LB1-4.5'	5/6/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
LB1	4.5	LB1-4.5'	5/6/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
LB1	4.5	LB1-4.5'	5/6/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
LB1	4.5	LB1-4.5'	5/6/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
LB1	4.5	LB1-4.5'	5/6/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
LB1	4.5	LB1-4.5'	5/6/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
LB1	4.5	LB1-4.5'	5/6/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
LB1	4.5	LB1-4.5'	5/6/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
LB1	4.5	LB1-4.5'	5/6/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
LB1	4.5	LB1-4.5'	5/6/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
LB1	4.5	LB1-4.5'	5/6/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
LB1	4.5	LB1-4.5'	5/6/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
LB1	4.5	LB1-4.5'	5/6/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
LB1	4.5	LB1-4.5'	5/6/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
LB1	4.5	LB1-4.5'	5/6/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
LB1	4.5	LB1-4.5'	5/6/2016	71-43-2	Benzene	ND	µg/kg	1
LB1	4.5	LB1-4.5'	5/6/2016	108-86-1	Bromobenzene	ND	µg/kg	1
LB1	4.5	LB1-4.5'	5/6/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
LB1	4.5	LB1-4.5'	5/6/2016	75-25-2	Bromoform	ND	µg/kg	1
LB1	4.5	LB1-4.5'	5/6/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
LB1	4.5	LB1-4.5'	5/6/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
LB1	4.5	LB1-4.5'	5/6/2016	67-66-3	Chloroform	ND	µg/kg	1
LB1	4.5	LB1-4.5'	5/6/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
LB1	4.5	LB1-4.5'	5/6/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
LB1	4.5	LB1-4.5'	5/6/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
LB1	4.5	LB1-4.5'	5/6/2016	74-95-3	Dibromomethane	ND	µg/kg	1
LB1	4.5	LB1-4.5'	5/6/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
LB1	4.5	LB1-4.5'	5/6/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
LB1	4.5	LB1-4.5'	5/6/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
LB1	4.5	LB1-4.5'	5/6/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
LB1	4.5	LB1-4.5'	5/6/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
LB1	4.5	LB1-4.5'	5/6/2016	76-13-1	Freon 113	ND	µg/kg	5
LB1	4.5	LB1-4.5'	5/6/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
LB1	4.5	LB1-4.5'	5/6/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
LB1	4.5	LB1-4.5'	5/6/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
LB1	4.5	LB1-4.5'	5/6/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
LB1	4.5	LB1-4.5'	5/6/2016	91-20-3	Naphthalene	ND	µg/kg	1
LB1	4.5	LB1-4.5'	5/6/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
LB1	4.5	LB1-4.5'	5/6/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
LB1	4.5	LB1-4.5'	5/6/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
LB1	4.5	LB1-4.5'	5/6/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
LB1	4.5	LB1-4.5'	5/6/2016	100-42-5	Styrene	ND	µg/kg	1
LB1	4.5	LB1-4.5'	5/6/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
LB1	4.5	LB1-4.5'	5/6/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
LB1	4.5	LB1-4.5'	5/6/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
LB1	4.5	LB1-4.5'	5/6/2016	127-18-4	Tetrachloroethylene	1.6	µg/kg	1
LB1	4.5	LB1-4.5'	5/6/2016	108-88-3	Toluene	ND	µg/kg	1
LB1	4.5	LB1-4.5'	5/6/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
LB1	4.5	LB1-4.5'	5/6/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
LB1	4.5	LB1-4.5'	5/6/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
LB1	4.5	LB1-4.5'	5/6/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
LB1	4.5	LB1-4.5'	5/6/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
LB1	4.5	LB1-4.5'	5/6/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
LB1	4.5	LB1-4.5'	5/6/2016	108-38-3	Xylenes	ND	µg/kg	1
LB1	8.5	LB1-8.5'	5/6/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
LB1	8.5	LB1-8.5'	5/6/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
LB1	8.5	LB1-8.5'	5/6/2016	7440-39-3	Barium, Ba	210	mg/kg	0.5
LB1	8.5	LB1-8.5'	5/6/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
LB1	8.5	LB1-8.5'	5/6/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
LB1	8.5	LB1-8.5'	5/6/2016	7440-48-4	Cobalt, Co	17.2	mg/kg	0.5
LB1	8.5	LB1-8.5'	5/6/2016	7440-47-3	Chromium, Cr	28.7	mg/kg	0.5
LB1	8.5	LB1-8.5'	5/6/2016	7440-50-8	Copper, Cu	28.5	mg/kg	0.5
LB1	8.5	LB1-8.5'	5/6/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
LB1	8.5	LB1-8.5'	5/6/2016	7440-02-0	Nickel, Ni	20.6	mg/kg	0.5
LB1	8.5	LB1-8.5'	5/6/2016	7439-92-1	Lead, Pb	2	mg/kg	0.5
LB1	8.5	LB1-8.5'	5/6/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
LB1	8.5	LB1-8.5'	5/6/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
LB1	8.5	LB1-8.5'	5/6/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
LB1	8.5	LB1-8.5'	5/6/2016	7440-62-2	Vanadium, V	62.5	mg/kg	0.5
LB1	8.5	LB1-8.5'	5/6/2016	7440-66-6	Zinc, Zn	74.7	mg/kg	0.5
LB1	8.5	LB1-8.5'	5/6/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
LB1	8.5	LB1-8.5'	5/6/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
LB1	8.5	LB1-8.5'	5/6/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
LB1	8.5	LB1-8.5'	5/6/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
LB1	8.5	LB1-8.5'	5/6/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
LB1	8.5	LB1-8.5'	5/6/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
LB1	8.5	LB1-8.5'	5/6/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
LB1	8.5	LB1-8.5'	5/6/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
LB1	8.5	LB1-8.5'	5/6/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
LB1	8.5	LB1-8.5'	5/6/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
LB1	8.5	LB1-8.5'	5/6/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
LB1	8.5	LB1-8.5'	5/6/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
LB1	8.5	LB1-8.5'	5/6/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
LB1	8.5	LB1-8.5'	5/6/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
LB1	8.5	LB1-8.5'	5/6/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
LB1	8.5	LB1-8.5'	5/6/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
LB1	8.5	LB1-8.5'	5/6/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
LB1	8.5	LB1-8.5'	5/6/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
LB1	8.5	LB1-8.5'	5/6/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
LB1	8.5	LB1-8.5'	5/6/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
LB1	8.5	LB1-8.5'	5/6/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
LB1	8.5	LB1-8.5'	5/6/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
LB1	8.5	LB1-8.5'	5/6/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
LB1	8.5	LB1-8.5'	5/6/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
LB1	8.5	LB1-8.5'	5/6/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
LB1	8.5	LB1-8.5'	5/6/2016	71-43-2	Benzene	ND	µg/kg	1
LB1	8.5	LB1-8.5'	5/6/2016	108-86-1	Bromobenzene	ND	µg/kg	1
LB1	8.5	LB1-8.5'	5/6/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
LB1	8.5	LB1-8.5'	5/6/2016	75-25-2	Bromoform	ND	µg/kg	1
LB1	8.5	LB1-8.5'	5/6/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
LB1	8.5	LB1-8.5'	5/6/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
LB1	8.5	LB1-8.5'	5/6/2016	67-66-3	Chloroform	ND	µg/kg	1
LB1	8.5	LB1-8.5'	5/6/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
LB1	8.5	LB1-8.5'	5/6/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
LB1	8.5	LB1-8.5'	5/6/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
LB1	8.5	LB1-8.5'	5/6/2016	74-95-3	Dibromomethane	ND	µg/kg	1
LB1	8.5	LB1-8.5'	5/6/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
LB1	8.5	LB1-8.5'	5/6/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
LB1	8.5	LB1-8.5'	5/6/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
LB1	8.5	LB1-8.5'	5/6/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
LB1	8.5	LB1-8.5'	5/6/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
LB1	8.5	LB1-8.5'	5/6/2016	76-13-1	Freon 113	ND	µg/kg	5
LB1	8.5	LB1-8.5'	5/6/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
LB1	8.5	LB1-8.5'	5/6/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
LB1	8.5	LB1-8.5'	5/6/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
LB1	8.5	LB1-8.5'	5/6/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
LB1	8.5	LB1-8.5'	5/6/2016	91-20-3	Naphthalene	ND	µg/kg	1
LB1	8.5	LB1-8.5'	5/6/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
LB1	8.5	LB1-8.5'	5/6/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
LB1	8.5	LB1-8.5'	5/6/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
LB1	8.5	LB1-8.5'	5/6/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
LB1	8.5	LB1-8.5'	5/6/2016	100-42-5	Styrene	ND	µg/kg	1
LB1	8.5	LB1-8.5'	5/6/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
LB1	8.5	LB1-8.5'	5/6/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
LB1	8.5	LB1-8.5'	5/6/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
LB1	8.5	LB1-8.5'	5/6/2016	127-18-4	Tetrachloroethylene	1.8	µg/kg	1
LB1	8.5	LB1-8.5'	5/6/2016	108-88-3	Toluene	ND	µg/kg	1
LB1	8.5	LB1-8.5'	5/6/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
LB1	8.5	LB1-8.5'	5/6/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
LB1	8.5	LB1-8.5'	5/6/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
LB1	8.5	LB1-8.5'	5/6/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
LB1	8.5	LB1-8.5'	5/6/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
LB1	8.5	LB1-8.5'	5/6/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
LB1	8.5	LB1-8.5'	5/6/2016	108-38-3	Xylenes	ND	µg/kg	1
LB2	1	LB2-1'	5/6/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
LB2	1	LB2-1'	5/6/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
LB2	1	LB2-1'	5/6/2016	7440-39-3	Barium, Ba	59.5	mg/kg	0.5
LB2	1	LB2-1'	5/6/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
LB2	1	LB2-1'	5/6/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
LB2	1	LB2-1'	5/6/2016	7440-48-4	Cobalt, Co	4.5	mg/kg	0.5
LB2	1	LB2-1'	5/6/2016	7440-47-3	Chromium, Cr	7	mg/kg	0.5
LB2	1	LB2-1'	5/6/2016	7440-50-8	Copper, Cu	9.3	mg/kg	0.5
LB2	1	LB2-1'	5/6/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
LB2	1	LB2-1'	5/6/2016	7440-02-0	Nickel, Ni	14	mg/kg	0.5
LB2	1	LB2-1'	5/6/2016	7439-92-1	Lead, Pb	0.8	mg/kg	0.5
LB2	1	LB2-1'	5/6/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
LB2	1	LB2-1'	5/6/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
LB2	1	LB2-1'	5/6/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
LB2	1	LB2-1'	5/6/2016	7440-62-2	Vanadium, V	37.5	mg/kg	0.5
LB2	1	LB2-1'	5/6/2016	7440-66-6	Zinc, Zn	27.4	mg/kg	0.5
LB2	1	LB2-1'	5/6/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
LB2	1	LB2-1'	5/6/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
LB2	1	LB2-1'	5/6/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
LB2	1	LB2-1'	5/6/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
LB2	1	LB2-1'	5/6/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
LB2	1	LB2-1'	5/6/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
LB2	1	LB2-1'	5/6/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
LB2	1	LB2-1'	5/6/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
LB2	1	LB2-1'	5/6/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
LB2	1	LB2-1'	5/6/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
LB2	1	LB2-1'	5/6/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
LB2	1	LB2-1'	5/6/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
LB2	1	LB2-1'	5/6/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
LB2	1	LB2-1'	5/6/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
LB2	1	LB2-1'	5/6/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
LB2	1	LB2-1'	5/6/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
LB2	1	LB2-1'	5/6/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
LB2	1	LB2-1'	5/6/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
LB2	1	LB2-1'	5/6/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
LB2	1	LB2-1'	5/6/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
LB2	1	LB2-1'	5/6/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
LB2	1	LB2-1'	5/6/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
LB2	1	LB2-1'	5/6/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
LB2	1	LB2-1'	5/6/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
LB2	1	LB2-1'	5/6/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
LB2	1	LB2-1'	5/6/2016	71-43-2	Benzene	ND	µg/kg	1
LB2	1	LB2-1'	5/6/2016	108-86-1	Bromobenzene	ND	µg/kg	1
LB2	1	LB2-1'	5/6/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
LB2	1	LB2-1'	5/6/2016	75-25-2	Bromoform	ND	µg/kg	1
LB2	1	LB2-1'	5/6/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
LB2	1	LB2-1'	5/6/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
LB2	1	LB2-1'	5/6/2016	67-66-3	Chloroform	ND	µg/kg	1
LB2	1	LB2-1'	5/6/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
LB2	1	LB2-1'	5/6/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
LB2	1	LB2-1'	5/6/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
LB2	1	LB2-1'	5/6/2016	74-95-3	Dibromomethane	ND	µg/kg	1
LB2	1	LB2-1'	5/6/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
LB2	1	LB2-1'	5/6/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
LB2	1	LB2-1'	5/6/2016	N/A	DRO (C10-C28)	66.6	µg/kg	10
LB2	1	LB2-1'	5/6/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
LB2	1	LB2-1'	5/6/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
LB2	1	LB2-1'	5/6/2016	76-13-1	Freon 113	ND	µg/kg	5
LB2	1	LB2-1'	5/6/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
LB2	1	LB2-1'	5/6/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
LB2	1	LB2-1'	5/6/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
LB2	1	LB2-1'	5/6/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
LB2	1	LB2-1'	5/6/2016	91-20-3	Naphthalene	ND	µg/kg	1
LB2	1	LB2-1'	5/6/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
LB2	1	LB2-1'	5/6/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
LB2	1	LB2-1'	5/6/2016	N/A	ORO (C29-C32)	128	µg/kg	10
LB2	1	LB2-1'	5/6/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
LB2	1	LB2-1'	5/6/2016	100-42-5	Styrene	ND	µg/kg	1
LB2	1	LB2-1'	5/6/2016	75-65-0	Tert-Butylalcohol (TBA)	ND	µg/kg	50
LB2	1	LB2-1'	5/6/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
LB2	1	LB2-1'	5/6/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
LB2	1	LB2-1'	5/6/2016	127-18-4	Tetrachloroethylene	28	µg/kg	1
LB2	1	LB2-1'	5/6/2016	108-88-3	Toluene	ND	µg/kg	1
LB2	1	LB2-1'	5/6/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
LB2	1	LB2-1'	5/6/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
LB2	1	LB2-1'	5/6/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
LB2	1	LB2-1'	5/6/2016	79-01-6	Trichloroethylene	1.4	µg/kg	1
LB2	1	LB2-1'	5/6/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
LB2	1	LB2-1'	5/6/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
LB2	1	LB2-1'	5/6/2016	108-38-3	Xylenes	ND	µg/kg	1
LB2	4.5	LB2-4.5'	5/6/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
LB2	4.5	LB2-4.5'	5/6/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
LB2	4.5	LB2-4.5'	5/6/2016	7440-39-3	Barium, Ba	246	mg/kg	0.5
LB2	4.5	LB2-4.5'	5/6/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
LB2	4.5	LB2-4.5'	5/6/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
LB2	4.5	LB2-4.5'	5/6/2016	7440-48-4	Cobalt, Co	19.2	mg/kg	0.5
LB2	4.5	LB2-4.5'	5/6/2016	7440-47-3	Chromium, Cr	8.1	mg/kg	0.5
LB2	4.5	LB2-4.5'	5/6/2016	7440-50-8	Copper, Cu	17.9	mg/kg	0.5
LB2	4.5	LB2-4.5'	5/6/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
LB2	4.5	LB2-4.5'	5/6/2016	7440-02-0	Nickel, Ni	8.2	mg/kg	0.5
LB2	4.5	LB2-4.5'	5/6/2016	7439-92-1	Lead, Pb	1.4	mg/kg	0.5
LB2	4.5	LB2-4.5'	5/6/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
LB2	4.5	LB2-4.5'	5/6/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
LB2	4.5	LB2-4.5'	5/6/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
LB2	4.5	LB2-4.5'	5/6/2016	7440-62-2	Vanadium, V	83.8	mg/kg	0.5
LB2	4.5	LB2-4.5'	5/6/2016	7440-66-6	Zinc, Zn	58.6	mg/kg	0.5
LB2	4.5	LB2-4.5'	5/6/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
LB2	4.5	LB2-4.5'	5/6/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
LB2	4.5	LB2-4.5'	5/6/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
LB2	8.5	LB2-8.5'	5/6/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
LB2	8.5	LB2-8.5'	5/6/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
LB2	8.5	LB2-8.5'	5/6/2016	7440-39-3	Barium, Ba	188	mg/kg	0.5
LB2	8.5	LB2-8.5'	5/6/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
LB2	8.5	LB2-8.5'	5/6/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
LB2	8.5	LB2-8.5'	5/6/2016	7440-48-4	Cobalt, Co	17.3	mg/kg	0.5
LB2	8.5	LB2-8.5'	5/6/2016	7440-47-3	Chromium, Cr	27.4	mg/kg	0.5
LB2	8.5	LB2-8.5'	5/6/2016	7440-50-8	Copper, Cu	30.7	mg/kg	0.5
LB2	8.5	LB2-8.5'	5/6/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
LB2	8.5	LB2-8.5'	5/6/2016	7440-02-0	Nickel, Ni	17.9	mg/kg	0.5
LB2	8.5	LB2-8.5'	5/6/2016	7439-92-1	Lead, Pb	2.7	mg/kg	0.5
LB2	8.5	LB2-8.5'	5/6/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
LB2	8.5	LB2-8.5'	5/6/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
LB2	8.5	LB2-8.5'	5/6/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
LB2	8.5	LB2-8.5'	5/6/2016	7440-62-2	Vanadium, V	65.6	mg/kg	0.5
LB2	8.5	LB2-8.5'	5/6/2016	7440-66-6	Zinc, Zn	71.5	mg/kg	0.5
LB2	8.5	LB2-8.5'	5/6/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
LB2	8.5	LB2-8.5'	5/6/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
LB2	8.5	LB2-8.5'	5/6/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
LB2	8.5	LB2-8.5'	5/6/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
LB2	8.5	LB2-8.5'	5/6/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
LB2	8.5	LB2-8.5'	5/6/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
LB2	8.5	LB2-8.5'	5/6/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
LB2	8.5	LB2-8.5'	5/6/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
LB2	8.5	LB2-8.5'	5/6/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
LB2	8.5	LB2-8.5'	5/6/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
LB2	8.5	LB2-8.5'	5/6/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
LB2	8.5	LB2-8.5'	5/6/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
LB2	8.5	LB2-8.5'	5/6/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
LB2	8.5	LB2-8.5'	5/6/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
LB2	8.5	LB2-8.5'	5/6/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
LB2	8.5	LB2-8.5'	5/6/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
LB2	8.5	LB2-8.5'	5/6/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
LB2	8.5	LB2-8.5'	5/6/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
LB2	8.5	LB2-8.5'	5/6/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
LB2	8.5	LB2-8.5'	5/6/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
LB2	8.5	LB2-8.5'	5/6/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
LB2	8.5	LB2-8.5'	5/6/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
LB2	8.5	LB2-8.5'	5/6/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
LB2	8.5	LB2-8.5'	5/6/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
LB2	8.5	LB2-8.5'	5/6/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
LB2	8.5	LB2-8.5'	5/6/2016	71-43-2	Benzene	ND	µg/kg	1
LB2	8.5	LB2-8.5'	5/6/2016	108-86-1	Bromobenzene	ND	µg/kg	1
LB2	8.5	LB2-8.5'	5/6/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
LB2	8.5	LB2-8.5'	5/6/2016	75-25-2	Bromoform	ND	µg/kg	1
LB2	8.5	LB2-8.5'	5/6/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
LB2	8.5	LB2-8.5'	5/6/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
LB2	8.5	LB2-8.5'	5/6/2016	67-66-3	Chloroform	ND	µg/kg	1
LB2	8.5	LB2-8.5'	5/6/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
LB2	8.5	LB2-8.5'	5/6/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
LB2	8.5	LB2-8.5'	5/6/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
LB2	8.5	LB2-8.5'	5/6/2016	74-95-3	Dibromomethane	ND	µg/kg	1
LB2	8.5	LB2-8.5'	5/6/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
LB2	8.5	LB2-8.5'	5/6/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
LB2	8.5	LB2-8.5'	5/6/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
LB2	8.5	LB2-8.5'	5/6/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
LB2	8.5	LB2-8.5'	5/6/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
LB2	8.5	LB2-8.5'	5/6/2016	76-13-1	Freon 113	ND	µg/kg	5
LB2	8.5	LB2-8.5'	5/6/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
LB2	8.5	LB2-8.5'	5/6/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
LB2	8.5	LB2-8.5'	5/6/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
LB2	8.5	LB2-8.5'	5/6/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
LB2	8.5	LB2-8.5'	5/6/2016	91-20-3	Naphthalene	ND	µg/kg	1
LB2	8.5	LB2-8.5'	5/6/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
LB2	8.5	LB2-8.5'	5/6/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
LB2	8.5	LB2-8.5'	5/6/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
LB2	8.5	LB2-8.5'	5/6/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
LB2	8.5	LB2-8.5'	5/6/2016	100-42-5	Styrene	ND	µg/kg	1
LB2	8.5	LB2-8.5'	5/6/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
LB2	8.5	LB2-8.5'	5/6/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
LB2	8.5	LB2-8.5'	5/6/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
LB2	8.5	LB2-8.5'	5/6/2016	127-18-4	Tetrachloroethylene	2.2	µg/kg	1
LB2	8.5	LB2-8.5'	5/6/2016	108-88-3	Toluene	ND	µg/kg	1
LB2	8.5	LB2-8.5'	5/6/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
LB2	8.5	LB2-8.5'	5/6/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
LB2	8.5	LB2-8.5'	5/6/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
LB2	8.5	LB2-8.5'	5/6/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
LB2	8.5	LB2-8.5'	5/6/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
LB2	8.5	LB2-8.5'	5/6/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
LB2	8.5	LB2-8.5'	5/6/2016	108-38-3	Xylenes	ND	µg/kg	1
LB3	1	LB3-1'	5/6/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
LB3	1	LB3-1'	5/6/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
LB3	1	LB3-1'	5/6/2016	7440-39-3	Barium, Ba	146	mg/kg	0.5
LB3	1	LB3-1'	5/6/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
LB3	1	LB3-1'	5/6/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
LB3	1	LB3-1'	5/6/2016	7440-48-4	Cobalt, Co	11	mg/kg	0.5
LB3	1	LB3-1'	5/6/2016	7440-47-3	Chromium, Cr	26.4	mg/kg	0.5
LB3	1	LB3-1'	5/6/2016	7440-50-8	Copper, Cu	64.4	mg/kg	0.5
LB3	1	LB3-1'	5/6/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
LB3	1	LB3-1'	5/6/2016	7440-02-0	Nickel, Ni	15.6	mg/kg	0.5
LB3	1	LB3-1'	5/6/2016	7439-92-1	Lead, Pb	40.3	mg/kg	0.5
LB3	1	LB3-1'	5/6/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
LB3	1	LB3-1'	5/6/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
LB3	1	LB3-1'	5/6/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
LB3	1	LB3-1'	5/6/2016	7440-62-2	Vanadium, V	41	mg/kg	0.5
LB3	1	LB3-1'	5/6/2016	7440-66-6	Zinc, Zn	985	mg/kg	5
LB3	1	LB3-1'	5/6/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
LB3	1	LB3-1'	5/6/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
LB3	1	LB3-1'	5/6/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
LB3	1	LB3-1'	5/6/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
LB3	1	LB3-1'	5/6/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
LB3	1	LB3-1'	5/6/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
LB3	1	LB3-1'	5/6/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
LB3	1	LB3-1'	5/6/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
LB3	1	LB3-1'	5/6/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
LB3	1	LB3-1'	5/6/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
LB3	1	LB3-1'	5/6/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
LB3	1	LB3-1'	5/6/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
LB3	1	LB3-1'	5/6/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
LB3	1	LB3-1'	5/6/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
LB3	1	LB3-1'	5/6/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
LB3	1	LB3-1'	5/6/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
LB3	1	LB3-1'	5/6/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
LB3	1	LB3-1'	5/6/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
LB3	1	LB3-1'	5/6/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
LB3	1	LB3-1'	5/6/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
LB3	1	LB3-1'	5/6/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
LB3	1	LB3-1'	5/6/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
LB3	1	LB3-1'	5/6/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
LB3	1	LB3-1'	5/6/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
LB3	1	LB3-1'	5/6/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
LB3	1	LB3-1'	5/6/2016	71-43-2	Benzene	ND	µg/kg	1
LB3	1	LB3-1'	5/6/2016	108-86-1	Bromobenzene	ND	µg/kg	1
LB3	1	LB3-1'	5/6/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
LB3	1	LB3-1'	5/6/2016	75-25-2	Bromoform	ND	µg/kg	1
LB3	1	LB3-1'	5/6/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
LB3	1	LB3-1'	5/6/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
LB3	1	LB3-1'	5/6/2016	67-66-3	Chloroform	ND	µg/kg	1
LB3	1	LB3-1'	5/6/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
LB3	1	LB3-1'	5/6/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
LB3	1	LB3-1'	5/6/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
LB3	1	LB3-1'	5/6/2016	74-95-3	Dibromomethane	ND	µg/kg	1
LB3	1	LB3-1'	5/6/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
LB3	1	LB3-1'	5/6/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
LB3	1	LB3-1'	5/6/2016	N/A	DRO (C10-C28)	22.5	µg/kg	10
LB3	1	LB3-1'	5/6/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
LB3	1	LB3-1'	5/6/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
LB3	1	LB3-1'	5/6/2016	76-13-1	Freon 113	ND	µg/kg	5
LB3	1	LB3-1'	5/6/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
LB3	1	LB3-1'	5/6/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
LB3	1	LB3-1'	5/6/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
LB3	1	LB3-1'	5/6/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
LB3	1	LB3-1'	5/6/2016	91-20-3	Naphthalene	ND	µg/kg	1
LB3	1	LB3-1'	5/6/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
LB3	1	LB3-1'	5/6/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
LB3	1	LB3-1'	5/6/2016	N/A	ORO (C29-C32)	42.1	µg/kg	10
LB3	1	LB3-1'	5/6/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
LB3	1	LB3-1'	5/6/2016	100-42-5	Styrene	ND	µg/kg	1
LB3	1	LB3-1'	5/6/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
LB3	1	LB3-1'	5/6/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
LB3	1	LB3-1'	5/6/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
LB3	1	LB3-1'	5/6/2016	127-18-4	Tetrachloroethylene	43.9	µg/kg	1
LB3	1	LB3-1'	5/6/2016	108-88-3	Toluene	ND	µg/kg	1
LB3	1	LB3-1'	5/6/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
LB3	1	LB3-1'	5/6/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
LB3	1	LB3-1'	5/6/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
LB3	1	LB3-1'	5/6/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
LB3	1	LB3-1'	5/6/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
LB3	1	LB3-1'	5/6/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
LB3	1	LB3-1'	5/6/2016	108-38-3	Xylenes	ND	µg/kg	1
LB3	4.5	LB3-4.5'	5/6/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
LB3	4.5	LB3-4.5'	5/6/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
LB3	4.5	LB3-4.5'	5/6/2016	7440-39-3	Barium, Ba	184	mg/kg	0.5
LB3	4.5	LB3-4.5'	5/6/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
LB3	4.5	LB3-4.5'	5/6/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
LB3	4.5	LB3-4.5'	5/6/2016	7440-48-4	Cobalt, Co	17.5	mg/kg	0.5
LB3	4.5	LB3-4.5'	5/6/2016	7440-47-3	Chromium, Cr	32.4	mg/kg	0.5
LB3	4.5	LB3-4.5'	5/6/2016	7440-50-8	Copper, Cu	38.3	mg/kg	0.5
LB3	4.5	LB3-4.5'	5/6/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
LB3	4.5	LB3-4.5'	5/6/2016	7440-02-0	Nickel, Ni	24	mg/kg	0.5
LB3	4.5	LB3-4.5'	5/6/2016	7439-92-1	Lead, Pb	4.2	mg/kg	0.5
LB3	4.5	LB3-4.5'	5/6/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
LB3	4.5	LB3-4.5'	5/6/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
LB3	4.5	LB3-4.5'	5/6/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
LB3	4.5	LB3-4.5'	5/6/2016	7440-62-2	Vanadium, V	66.3	mg/kg	0.5
LB3	4.5	LB3-4.5'	5/6/2016	7440-66-6	Zinc, Zn	77.2	mg/kg	0.5

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
LB3	4.5	LB3-4.5'	5/6/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
LB3	4.5	LB3-4.5'	5/6/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
LB3	4.5	LB3-4.5'	5/6/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
LB3	4.5	LB3-4.5'	5/6/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
LB3	4.5	LB3-4.5'	5/6/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
LB3	4.5	LB3-4.5'	5/6/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
LB3	4.5	LB3-4.5'	5/6/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
LB3	4.5	LB3-4.5'	5/6/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
LB3	4.5	LB3-4.5'	5/6/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
LB3	4.5	LB3-4.5'	5/6/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
LB3	4.5	LB3-4.5'	5/6/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
LB3	4.5	LB3-4.5'	5/6/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
LB3	4.5	LB3-4.5'	5/6/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
LB3	4.5	LB3-4.5'	5/6/2016	106-93-4	1,2-Dibromomethane (EDB)	ND	µg/kg	1
LB3	4.5	LB3-4.5'	5/6/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
LB3	4.5	LB3-4.5'	5/6/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
LB3	4.5	LB3-4.5'	5/6/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
LB3	4.5	LB3-4.5'	5/6/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
LB3	4.5	LB3-4.5'	5/6/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
LB3	4.5	LB3-4.5'	5/6/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
LB3	4.5	LB3-4.5'	5/6/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
LB3	4.5	LB3-4.5'	5/6/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
LB3	4.5	LB3-4.5'	5/6/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
LB3	4.5	LB3-4.5'	5/6/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
LB3	4.5	LB3-4.5'	5/6/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
LB3	4.5	LB3-4.5'	5/6/2016	71-43-2	Benzene	ND	µg/kg	1
LB3	4.5	LB3-4.5'	5/6/2016	108-86-1	Bromobenzene	ND	µg/kg	1
LB3	4.5	LB3-4.5'	5/6/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
LB3	4.5	LB3-4.5'	5/6/2016	75-25-2	Bromoform	ND	µg/kg	1
LB3	4.5	LB3-4.5'	5/6/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
LB3	4.5	LB3-4.5'	5/6/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
LB3	4.5	LB3-4.5'	5/6/2016	67-66-3	Chloroform	ND	µg/kg	1
LB3	4.5	LB3-4.5'	5/6/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
LB3	4.5	LB3-4.5'	5/6/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
LB3	4.5	LB3-4.5'	5/6/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
LB3	4.5	LB3-4.5'	5/6/2016	74-95-3	Dibromomethane	ND	µg/kg	1
LB3	4.5	LB3-4.5'	5/6/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
LB3	4.5	LB3-4.5'	5/6/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
LB3	4.5	LB3-4.5'	5/6/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
LB3	4.5	LB3-4.5'	5/6/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
LB3	4.5	LB3-4.5'	5/6/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
LB3	4.5	LB3-4.5'	5/6/2016	76-13-1	Freon 113	ND	µg/kg	5
LB3	4.5	LB3-4.5'	5/6/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
LB3	4.5	LB3-4.5'	5/6/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
LB3	4.5	LB3-4.5'	5/6/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
LB3	4.5	LB3-4.5'	5/6/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
LB3	4.5	LB3-4.5'	5/6/2016	91-20-3	Naphthalene	ND	µg/kg	1
LB3	4.5	LB3-4.5'	5/6/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
LB3	4.5	LB3-4.5'	5/6/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
LB3	4.5	LB3-4.5'	5/6/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
LB3	4.5	LB3-4.5'	5/6/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
LB3	4.5	LB3-4.5'	5/6/2016	100-42-5	Styrene	ND	µg/kg	1
LB3	4.5	LB3-4.5'	5/6/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	5
LB3	4.5	LB3-4.5'	5/6/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
LB3	4.5	LB3-4.5'	5/6/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
LB3	4.5	LB3-4.5'	5/6/2016	127-18-4	Tetrachloroethylene	19.6	µg/kg	1
LB3	4.5	LB3-4.5'	5/6/2016	108-88-3	Toluene	ND	µg/kg	1
LB3	4.5	LB3-4.5'	5/6/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
LB3	4.5	LB3-4.5'	5/6/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
LB3	4.5	LB3-4.5'	5/6/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
LB3	4.5	LB3-4.5'	5/6/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
LB3	4.5	LB3-4.5'	5/6/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
LB3	4.5	LB3-4.5'	5/6/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
LB3	4.5	LB3-4.5'	5/6/2016	108-38-3	Xylenes	ND	µg/kg	1
LB3	8.5	LB3-8.5'	5/6/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
LB3	8.5	LB3-8.5'	5/6/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
LB3	8.5	LB3-8.5'	5/6/2016	7440-39-3	Barium, Ba	94.4	mg/kg	0.5
LB3	8.5	LB3-8.5'	5/6/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
LB3	8.5	LB3-8.5'	5/6/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
LB3	8.5	LB3-8.5'	5/6/2016	7440-48-4	Cobalt, Co	6.3	mg/kg	0.5
LB3	8.5	LB3-8.5'	5/6/2016	7440-47-3	Chromium, Cr	6.6	mg/kg	0.5
LB3	8.5	LB3-8.5'	5/6/2016	7440-50-8	Copper, Cu	6.8	mg/kg	0.5
LB3	8.5	LB3-8.5'	5/6/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
LB3	8.5	LB3-8.5'	5/6/2016	7440-02-0	Nickel, Ni	5.1	mg/kg	0.5

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
LB3	8.5	LB3-8.5'	5/6/2016	7439-92-1	Lead, Pb	0.9	mg/kg	0.5
LB3	8.5	LB3-8.5'	5/6/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
LB3	8.5	LB3-8.5'	5/6/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
LB3	8.5	LB3-8.5'	5/6/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
LB3	8.5	LB3-8.5'	5/6/2016	7440-62-2	Vanadium, V	22	mg/kg	0.5
LB3	8.5	LB3-8.5'	5/6/2016	7440-66-6	Zinc, Zn	56.4	mg/kg	0.5
LB3	8.5	LB3-8.5'	5/6/2016	7439-97-6	Mercury, Hg	0.046	mg/kg	0.02
LB3	8.5	LB3-8.5'	5/6/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
LB3	8.5	LB3-8.5'	5/6/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
LB3	8.5	LB3-8.5'	5/6/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
LB3	8.5	LB3-8.5'	5/6/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
LB3	8.5	LB3-8.5'	5/6/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
LB3	8.5	LB3-8.5'	5/6/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
LB3	8.5	LB3-8.5'	5/6/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
LB3	8.5	LB3-8.5'	5/6/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
LB3	8.5	LB3-8.5'	5/6/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
LB3	8.5	LB3-8.5'	5/6/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
LB3	8.5	LB3-8.5'	5/6/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
LB3	8.5	LB3-8.5'	5/6/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
LB3	8.5	LB3-8.5'	5/6/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
LB3	8.5	LB3-8.5'	5/6/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
LB3	8.5	LB3-8.5'	5/6/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
LB3	8.5	LB3-8.5'	5/6/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
LB3	8.5	LB3-8.5'	5/6/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
LB3	8.5	LB3-8.5'	5/6/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
LB3	8.5	LB3-8.5'	5/6/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
LB3	8.5	LB3-8.5'	5/6/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
LB3	8.5	LB3-8.5'	5/6/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
LB3	8.5	LB3-8.5'	5/6/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
LB3	8.5	LB3-8.5'	5/6/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
LB3	8.5	LB3-8.5'	5/6/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
LB3	8.5	LB3-8.5'	5/6/2016	71-43-2	Benzene	ND	µg/kg	1
LB3	8.5	LB3-8.5'	5/6/2016	108-86-1	Bromobenzene	ND	µg/kg	1
LB3	8.5	LB3-8.5'	5/6/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
LB3	8.5	LB3-8.5'	5/6/2016	75-25-2	Bromoform	ND	µg/kg	1
LB3	8.5	LB3-8.5'	5/6/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
LB3	8.5	LB3-8.5'	5/6/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
LB3	8.5	LB3-8.5'	5/6/2016	67-66-3	Chloroform	ND	µg/kg	1
LB3	8.5	LB3-8.5'	5/6/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
LB3	8.5	LB3-8.5'	5/6/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
LB3	8.5	LB3-8.5'	5/6/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
LB3	8.5	LB3-8.5'	5/6/2016	74-95-3	Dibromomethane	ND	µg/kg	1
LB3	8.5	LB3-8.5'	5/6/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
LB3	8.5	LB3-8.5'	5/6/2016	108-20-3	Diisopropylether (DIPE)	ND	µg/kg	5
LB3	8.5	LB3-8.5'	5/6/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
LB3	8.5	LB3-8.5'	5/6/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
LB3	8.5	LB3-8.5'	5/6/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
LB3	8.5	LB3-8.5'	5/6/2016	76-13-1	Freon 113	ND	µg/kg	5
LB3	8.5	LB3-8.5'	5/6/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
LB3	8.5	LB3-8.5'	5/6/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
LB3	8.5	LB3-8.5'	5/6/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
LB3	8.5	LB3-8.5'	5/6/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
LB3	8.5	LB3-8.5'	5/6/2016	91-20-3	Naphthalene	ND	µg/kg	1
LB3	8.5	LB3-8.5'	5/6/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
LB3	8.5	LB3-8.5'	5/6/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
LB3	8.5	LB3-8.5'	5/6/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
LB3	8.5	LB3-8.5'	5/6/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
LB3	8.5	LB3-8.5'	5/6/2016	100-42-5	Styrene	ND	µg/kg	1
LB3	8.5	LB3-8.5'	5/6/2016	75-65-0	Tert-Butylalcohol (TBA)	ND	µg/kg	50
LB3	8.5	LB3-8.5'	5/6/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
LB3	8.5	LB3-8.5'	5/6/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
LB3	8.5	LB3-8.5'	5/6/2016	127-18-4	Tetrachloroethylene	8.2	µg/kg	1
LB3	8.5	LB3-8.5'	5/6/2016	108-88-3	Toluene	ND	µg/kg	1
LB3	8.5	LB3-8.5'	5/6/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
LB3	8.5	LB3-8.5'	5/6/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
LB3	8.5	LB3-8.5'	5/6/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
LB3	8.5	LB3-8.5'	5/6/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
LB3	8.5	LB3-8.5'	5/6/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
LB3	8.5	LB3-8.5'	5/6/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
LB3	8.5	LB3-8.5'	5/6/2016	108-38-3	Xylenes	ND	µg/kg	1
LB3	1D	LB3-1'-D	5/6/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
LB3	1D	LB3-1'-D	5/6/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
LB3	1D	LB3-1'-D	5/6/2016	7440-39-3	Barium, Ba	194	mg/kg	0.5
LB3	1D	LB3-1'-D	5/6/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
LB3	1D	LB3-1'-D	5/6/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
LB3	1D	LB3-1'-D	5/6/2016	7440-48-4	Cobalt, Co	16.2	mg/kg	0.5
LB3	1D	LB3-1'-D	5/6/2016	7440-47-3	Chromium, Cr	28.7	mg/kg	0.5
LB3	1D	LB3-1'-D	5/6/2016	7440-50-8	Copper, Cu	37.2	mg/kg	0.5
LB3	1D	LB3-1'-D	5/6/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
LB3	1D	LB3-1'-D	5/6/2016	7440-02-0	Nickel, Ni	21.2	mg/kg	0.5
LB3	1D	LB3-1'-D	5/6/2016	7439-92-1	Lead, Pb	5.4	mg/kg	0.5
LB3	1D	LB3-1'-D	5/6/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
LB3	1D	LB3-1'-D	5/6/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
LB3	1D	LB3-1'-D	5/6/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
LB3	1D	LB3-1'-D	5/6/2016	7440-62-2	Vanadium, V	63.1	mg/kg	0.5
LB3	1D	LB3-1'-D	5/6/2016	7440-66-6	Zinc, Zn	104	mg/kg	0.5
LB3	1D	LB3-1'-D	5/6/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
LB3	1D	LB3-1'-D	5/6/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
LB3	1D	LB3-1'-D	5/6/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
LB3	1D	LB3-1'-D	5/6/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
LB3	1D	LB3-1'-D	5/6/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
LB3	1D	LB3-1'-D	5/6/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
LB3	1D	LB3-1'-D	5/6/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
LB3	1D	LB3-1'-D	5/6/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
LB3	1D	LB3-1'-D	5/6/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
LB3	1D	LB3-1'-D	5/6/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
LB3	1D	LB3-1'-D	5/6/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
LB3	1D	LB3-1'-D	5/6/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
LB3	1D	LB3-1'-D	5/6/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
LB3	1D	LB3-1'-D	5/6/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
LB3	1D	LB3-1'-D	5/6/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
LB3	1D	LB3-1'-D	5/6/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
LB3	1D	LB3-1'-D	5/6/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
LB3	1D	LB3-1'-D	5/6/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
LB3	1D	LB3-1'-D	5/6/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
LB3	1D	LB3-1'-D	5/6/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
LB3	1D	LB3-1'-D	5/6/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
LB3	1D	LB3-1'-D	5/6/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
LB3	1D	LB3-1'-D	5/6/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
LB3	1D	LB3-1'-D	5/6/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
LB3	1D	LB3-1'-D	5/6/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
LB3	1D	LB3-1'-D	5/6/2016	71-43-2	Benzene	ND	µg/kg	1
LB3	1D	LB3-1'-D	5/6/2016	108-86-1	Bromobenzene	ND	µg/kg	1
LB3	1D	LB3-1'-D	5/6/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
LB3	1D	LB3-1'-D	5/6/2016	75-25-2	Bromoform	ND	µg/kg	1
LB3	1D	LB3-1'-D	5/6/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
LB3	1D	LB3-1'-D	5/6/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
LB3	1D	LB3-1'-D	5/6/2016	67-66-3	Chloroform	ND	µg/kg	1
LB3	1D	LB3-1'-D	5/6/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
LB3	1D	LB3-1'-D	5/6/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
LB3	1D	LB3-1'-D	5/6/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
LB3	1D	LB3-1'-D	5/6/2016	74-95-3	Dibromomethane	ND	µg/kg	1
LB3	1D	LB3-1'-D	5/6/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
LB3	1D	LB3-1'-D	5/6/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
LB3	1D	LB3-1'-D	5/6/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
LB3	1D	LB3-1'-D	5/6/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
LB3	1D	LB3-1'-D	5/6/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
LB3	1D	LB3-1'-D	5/6/2016	76-13-1	Freon 113	ND	µg/kg	5
LB3	1D	LB3-1'-D	5/6/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
LB3	1D	LB3-1'-D	5/6/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
LB3	1D	LB3-1'-D	5/6/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
LB3	1D	LB3-1'-D	5/6/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
LB3	1D	LB3-1'-D	5/6/2016	91-20-3	Naphthalene	ND	µg/kg	1
LB3	1D	LB3-1'-D	5/6/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
LB3	1D	LB3-1'-D	5/6/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
LB3	1D	LB3-1'-D	5/6/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
LB3	1D	LB3-1'-D	5/6/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
LB3	1D	LB3-1'-D	5/6/2016	100-42-5	Styrene	ND	µg/kg	1
LB3	1D	LB3-1'-D	5/6/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
LB3	1D	LB3-1'-D	5/6/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
LB3	1D	LB3-1'-D	5/6/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
LB3	1D	LB3-1'-D	5/6/2016	127-18-4	Tetrachloroethylene	46.7	µg/kg	1
LB3	1D	LB3-1'-D	5/6/2016	108-88-3	Toluene	ND	µg/kg	1
LB3	1D	LB3-1'-D	5/6/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
LB3	1D	LB3-1'-D	5/6/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
LB3	1D	LB3-1'-D	5/6/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
LB3	1D	LB3-1'-D	5/6/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
LB3	1D	LB3-1'-D	5/6/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
LB3	1D	LB3-1'-D	5/6/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
LB3	1D	LB3-1'-D	5/6/2016	108-38-3	Xylenes	ND	µg/kg	1
LB4	1	LB4-1'	5/5/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
LB4	1	LB4-1'	5/5/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
LB4	1	LB4-1'	5/5/2016	7440-39-3	Barium, Ba	159	mg/kg	0.5
LB4	1	LB4-1'	5/5/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
LB4	1	LB4-1'	5/5/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
LB4	1	LB4-1'	5/5/2016	7440-48-4	Cobalt, Co	10.3	mg/kg	0.5
LB4	1	LB4-1'	5/5/2016	7440-47-3	Chromium, Cr	19.1	mg/kg	0.5
LB4	1	LB4-1'	5/5/2016	7440-50-8	Copper, Cu	61.3	mg/kg	0.5
LB4	1	LB4-1'	5/5/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
LB4	1	LB4-1'	5/5/2016	7440-02-0	Nickel, Ni	17.9	mg/kg	0.5
LB4	1	LB4-1'	5/5/2016	7439-92-1	Lead, Pb	11.9	mg/kg	0.5
LB4	1	LB4-1'	5/5/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
LB4	1	LB4-1'	5/5/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
LB4	1	LB4-1'	5/5/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
LB4	1	LB4-1'	5/5/2016	7440-62-2	Vanadium, V	45.8	mg/kg	0.5
LB4	1	LB4-1'	5/5/2016	7440-66-6	Zinc, Zn	684	mg/kg	5
LB4	1	LB4-1'	5/5/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
LB4	1	LB4-1'	5/5/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
LB4	1	LB4-1'	5/5/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
LB4	1	LB4-1'	5/5/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
LB4	1	LB4-1'	5/5/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
LB4	1	LB4-1'	5/5/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
LB4	1	LB4-1'	5/5/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
LB4	1	LB4-1'	5/5/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
LB4	1	LB4-1'	5/5/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
LB4	1	LB4-1'	5/5/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
LB4	1	LB4-1'	5/5/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
LB4	1	LB4-1'	5/5/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
LB4	1	LB4-1'	5/5/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
LB4	1	LB4-1'	5/5/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
LB4	1	LB4-1'	5/5/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
LB4	1	LB4-1'	5/5/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
LB4	1	LB4-1'	5/5/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
LB4	1	LB4-1'	5/5/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
LB4	1	LB4-1'	5/5/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
LB4	1	LB4-1'	5/5/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
LB4	1	LB4-1'	5/5/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
LB4	1	LB4-1'	5/5/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
LB4	1	LB4-1'	5/5/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
LB4	1	LB4-1'	5/5/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
LB4	1	LB4-1'	5/5/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
LB4	1	LB4-1'	5/5/2016	71-43-2	Benzene	ND	µg/kg	1
LB4	1	LB4-1'	5/5/2016	108-86-1	Bromobenzene	ND	µg/kg	1
LB4	1	LB4-1'	5/5/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
LB4	1	LB4-1'	5/5/2016	75-25-2	Bromoform	ND	µg/kg	1
LB4	1	LB4-1'	5/5/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
LB4	1	LB4-1'	5/5/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
LB4	1	LB4-1'	5/5/2016	67-66-3	Chloroform	ND	µg/kg	1
LB4	1	LB4-1'	5/5/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
LB4	1	LB4-1'	5/5/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
LB4	1	LB4-1'	5/5/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
LB4	1	LB4-1'	5/5/2016	74-95-3	Dibromomethane	ND	µg/kg	1
LB4	1	LB4-1'	5/5/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
LB4	1	LB4-1'	5/5/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
LB4	1	LB4-1'	5/5/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
LB4	1	LB4-1'	5/5/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
LB4	1	LB4-1'	5/5/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
LB4	1	LB4-1'	5/5/2016	76-13-1	Freon 113	ND	µg/kg	5
LB4	1	LB4-1'	5/5/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
LB4	1	LB4-1'	5/5/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
LB4	1	LB4-1'	5/5/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
LB4	1	LB4-1'	5/5/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
LB4	1	LB4-1'	5/5/2016	91-20-3	Naphthalene	ND	µg/kg	1
LB4	1	LB4-1'	5/5/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
LB4	1	LB4-1'	5/5/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
LB4	1	LB4-1'	5/5/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
LB4	1	LB4-1'	5/5/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
LB4	1	LB4-1'	5/5/2016	100-42-5	Styrene	ND	µg/kg	1
LB4	1	LB4-1'	5/5/2016	75-65-0	Tert-Butylalcohol (TBA)	ND	µg/kg	50
LB4	1	LB4-1'	5/5/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
LB4	1	LB4-1'	5/5/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
LB4	1	LB4-1'	5/5/2016	127-18-4	Tetrachloroethylene	4.4	µg/kg	1

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
LB4	1	LB4-1'	5/5/2016	108-88-3	Toluene	ND	µg/kg	1
LB4	1	LB4-1'	5/5/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
LB4	1	LB4-1'	5/5/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
LB4	1	LB4-1'	5/5/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
LB4	1	LB4-1'	5/5/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
LB4	1	LB4-1'	5/5/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
LB4	1	LB4-1'	5/5/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
LB4	1	LB4-1'	5/5/2016	108-38-3	Xylenes	ND	µg/kg	1
LB4	4.5	LB4-4.5'	5/5/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
LB4	4.5	LB4-4.5'	5/5/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
LB4	4.5	LB4-4.5'	5/5/2016	7440-39-3	Barium, Ba	126	mg/kg	0.5
LB4	4.5	LB4-4.5'	5/5/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
LB4	4.5	LB4-4.5'	5/5/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
LB4	4.5	LB4-4.5'	5/5/2016	7440-48-4	Cobalt, Co	10.4	mg/kg	0.5
LB4	4.5	LB4-4.5'	5/5/2016	7440-47-3	Chromium, Cr	18.4	mg/kg	0.5
LB4	4.5	LB4-4.5'	5/5/2016	7440-50-8	Copper, Cu	21.7	mg/kg	0.5
LB4	4.5	LB4-4.5'	5/5/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
LB4	4.5	LB4-4.5'	5/5/2016	7440-02-0	Nickel, Ni	12.3	mg/kg	0.5
LB4	4.5	LB4-4.5'	5/5/2016	7439-92-1	Lead, Pb	1.6	mg/kg	0.5
LB4	4.5	LB4-4.5'	5/5/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
LB4	4.5	LB4-4.5'	5/5/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
LB4	4.5	LB4-4.5'	5/5/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
LB4	4.5	LB4-4.5'	5/5/2016	7440-62-2	Vanadium, V	44.2	mg/kg	0.5
LB4	4.5	LB4-4.5'	5/5/2016	7440-66-6	Zinc, Zn	48	mg/kg	0.5
LB4	4.5	LB4-4.5'	5/5/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
LB4	4.5	LB4-4.5'	5/5/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
LB4	4.5	LB4-4.5'	5/5/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
LB4	4.5	LB4-4.5'	5/5/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
LB4	4.5	LB4-4.5'	5/5/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
LB4	4.5	LB4-4.5'	5/5/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
LB4	4.5	LB4-4.5'	5/5/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
LB4	4.5	LB4-4.5'	5/5/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
LB4	4.5	LB4-4.5'	5/5/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
LB4	4.5	LB4-4.5'	5/5/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
LB4	4.5	LB4-4.5'	5/5/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
LB4	4.5	LB4-4.5'	5/5/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
LB4	4.5	LB4-4.5'	5/5/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
LB4	4.5	LB4-4.5'	5/5/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
LB4	4.5	LB4-4.5'	5/5/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
LB4	4.5	LB4-4.5'	5/5/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
LB4	4.5	LB4-4.5'	5/5/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
LB4	4.5	LB4-4.5'	5/5/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
LB4	4.5	LB4-4.5'	5/5/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
LB4	4.5	LB4-4.5'	5/5/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
LB4	4.5	LB4-4.5'	5/5/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
LB4	4.5	LB4-4.5'	5/5/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
LB4	4.5	LB4-4.5'	5/5/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
LB4	4.5	LB4-4.5'	5/5/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
LB4	4.5	LB4-4.5'	5/5/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
LB4	4.5	LB4-4.5'	5/5/2016	71-43-2	Benzene	ND	µg/kg	1
LB4	4.5	LB4-4.5'	5/5/2016	108-86-1	Bromobenzene	ND	µg/kg	1
LB4	4.5	LB4-4.5'	5/5/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
LB4	4.5	LB4-4.5'	5/5/2016	75-25-2	Bromoform	ND	µg/kg	1
LB4	4.5	LB4-4.5'	5/5/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
LB4	4.5	LB4-4.5'	5/5/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
LB4	4.5	LB4-4.5'	5/5/2016	67-66-3	Chloroform	ND	µg/kg	1
LB4	4.5	LB4-4.5'	5/5/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
LB4	4.5	LB4-4.5'	5/5/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
LB4	4.5	LB4-4.5'	5/5/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
LB4	4.5	LB4-4.5'	5/5/2016	74-95-3	Dibromomethane	ND	µg/kg	1
LB4	4.5	LB4-4.5'	5/5/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
LB4	4.5	LB4-4.5'	5/5/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
LB4	4.5	LB4-4.5'	5/5/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
LB4	4.5	LB4-4.5'	5/5/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
LB4	4.5	LB4-4.5'	5/5/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
LB4	4.5	LB4-4.5'	5/5/2016	76-13-1	Freon 113	ND	µg/kg	5
LB4	4.5	LB4-4.5'	5/5/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
LB4	4.5	LB4-4.5'	5/5/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
LB4	4.5	LB4-4.5'	5/5/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
LB4	4.5	LB4-4.5'	5/5/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
LB4	4.5	LB4-4.5'	5/5/2016	91-20-3	Naphthalene	ND	µg/kg	1
LB4	4.5	LB4-4.5'	5/5/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
LB4	4.5	LB4-4.5'	5/5/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
LB4	4.5	LB4-4.5'	5/5/2016	N/A	ORO (C29-C32)	ND	µg/kg	10

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
LB4	4.5	LB4-4.5'	5/5/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
LB4	4.5	LB4-4.5'	5/5/2016	100-42-5	Styrene	ND	µg/kg	1
LB4	4.5	LB4-4.5'	5/5/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
LB4	4.5	LB4-4.5'	5/5/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
LB4	4.5	LB4-4.5'	5/5/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
LB4	4.5	LB4-4.5'	5/5/2016	127-18-4	Tetrachloroethylene	25.6	µg/kg	1
LB4	4.5	LB4-4.5'	5/5/2016	108-88-3	Toluene	ND	µg/kg	1
LB4	4.5	LB4-4.5'	5/5/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
LB4	4.5	LB4-4.5'	5/5/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
LB4	4.5	LB4-4.5'	5/5/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
LB4	4.5	LB4-4.5'	5/5/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
LB4	4.5	LB4-4.5'	5/5/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
LB4	4.5	LB4-4.5'	5/5/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
LB4	4.5	LB4-4.5'	5/5/2016	108-38-3	Xylenes	ND	µg/kg	1
LB4	8.5	LB4-8.5'	5/5/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
LB4	8.5	LB4-8.5'	5/5/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
LB4	8.5	LB4-8.5'	5/5/2016	7440-39-3	Barium, Ba	120	mg/kg	0.5
LB4	8.5	LB4-8.5'	5/5/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
LB4	8.5	LB4-8.5'	5/5/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
LB4	8.5	LB4-8.5'	5/5/2016	7440-48-4	Cobalt, Co	9.8	mg/kg	0.5
LB4	8.5	LB4-8.5'	5/5/2016	7440-47-3	Chromium, Cr	19.6	mg/kg	0.5
LB4	8.5	LB4-8.5'	5/5/2016	7440-50-8	Copper, Cu	22.2	mg/kg	0.5
LB4	8.5	LB4-8.5'	5/5/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
LB4	8.5	LB4-8.5'	5/5/2016	7440-02-0	Nickel, Ni	12.1	mg/kg	0.5
LB4	8.5	LB4-8.5'	5/5/2016	7439-92-1	Lead, Pb	1.6	mg/kg	0.5
LB4	8.5	LB4-8.5'	5/5/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
LB4	8.5	LB4-8.5'	5/5/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
LB4	8.5	LB4-8.5'	5/5/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
LB4	8.5	LB4-8.5'	5/5/2016	7440-62-2	Vanadium, V	42.8	mg/kg	0.5
LB4	8.5	LB4-8.5'	5/5/2016	7440-66-6	Zinc, Zn	46.1	mg/kg	0.5
LB4	8.5	LB4-8.5'	5/5/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
LB4	8.5	LB4-8.5'	5/5/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
LB4	8.5	LB4-8.5'	5/5/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
LB4	8.5	LB4-8.5'	5/5/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
LB4	8.5	LB4-8.5'	5/5/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
LB4	8.5	LB4-8.5'	5/5/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
LB4	8.5	LB4-8.5'	5/5/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
LB4	8.5	LB4-8.5'	5/5/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
LB4	8.5	LB4-8.5'	5/5/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
LB4	8.5	LB4-8.5'	5/5/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
LB4	8.5	LB4-8.5'	5/5/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
LB4	8.5	LB4-8.5'	5/5/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
LB4	8.5	LB4-8.5'	5/5/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
LB4	8.5	LB4-8.5'	5/5/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
LB4	8.5	LB4-8.5'	5/5/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
LB4	8.5	LB4-8.5'	5/5/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
LB4	8.5	LB4-8.5'	5/5/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
LB4	8.5	LB4-8.5'	5/5/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
LB4	8.5	LB4-8.5'	5/5/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
LB4	8.5	LB4-8.5'	5/5/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
LB4	8.5	LB4-8.5'	5/5/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
LB4	8.5	LB4-8.5'	5/5/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
LB4	8.5	LB4-8.5'	5/5/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
LB4	8.5	LB4-8.5'	5/5/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
LB4	8.5	LB4-8.5'	5/5/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
LB4	8.5	LB4-8.5'	5/5/2016	71-43-2	Benzene	ND	µg/kg	1
LB4	8.5	LB4-8.5'	5/5/2016	108-86-1	Bromobenzene	ND	µg/kg	1
LB4	8.5	LB4-8.5'	5/5/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
LB4	8.5	LB4-8.5'	5/5/2016	75-25-2	Bromoform	ND	µg/kg	1
LB4	8.5	LB4-8.5'	5/5/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
LB4	8.5	LB4-8.5'	5/5/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
LB4	8.5	LB4-8.5'	5/5/2016	67-66-3	Chloroform	ND	µg/kg	1
LB4	8.5	LB4-8.5'	5/5/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
LB4	8.5	LB4-8.5'	5/5/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
LB4	8.5	LB4-8.5'	5/5/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
LB4	8.5	LB4-8.5'	5/5/2016	74-95-3	Dibromomethane	ND	µg/kg	1
LB4	8.5	LB4-8.5'	5/5/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
LB4	8.5	LB4-8.5'	5/5/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
LB4	8.5	LB4-8.5'	5/5/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
LB4	8.5	LB4-8.5'	5/5/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
LB4	8.5	LB4-8.5'	5/5/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
LB4	8.5	LB4-8.5'	5/5/2016	76-13-1	Freon 113	ND	µg/kg	5
LB4	8.5	LB4-8.5'	5/5/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
LB4	8.5	LB4-8.5'	5/5/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
LB4	8.5	LB4-8.5'	5/5/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
LB4	8.5	LB4-8.5'	5/5/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
LB4	8.5	LB4-8.5'	5/5/2016	91-20-3	Naphthalene	ND	µg/kg	1
LB4	8.5	LB4-8.5'	5/5/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
LB4	8.5	LB4-8.5'	5/5/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
LB4	8.5	LB4-8.5'	5/5/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
LB4	8.5	LB4-8.5'	5/5/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
LB4	8.5	LB4-8.5'	5/5/2016	100-42-5	Styrene	ND	µg/kg	1
LB4	8.5	LB4-8.5'	5/5/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
LB4	8.5	LB4-8.5'	5/5/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
LB4	8.5	LB4-8.5'	5/5/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
LB4	8.5	LB4-8.5'	5/5/2016	127-18-4	Tetrachloroethylene	5.4	µg/kg	1
LB4	8.5	LB4-8.5'	5/5/2016	108-88-3	Toluene	ND	µg/kg	1
LB4	8.5	LB4-8.5'	5/5/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
LB4	8.5	LB4-8.5'	5/5/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
LB4	8.5	LB4-8.5'	5/5/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
LB4	8.5	LB4-8.5'	5/5/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
LB4	8.5	LB4-8.5'	5/5/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
LB4	8.5	LB4-8.5'	5/5/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
LB4	8.5	LB4-8.5'	5/5/2016	108-38-3	Xylenes	ND	µg/kg	1
LB5	1	LB5-1'	5/5/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
LB5	1	LB5-1'	5/5/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
LB5	1	LB5-1'	5/5/2016	7440-39-3	Barium, Ba	183	mg/kg	0.5
LB5	1	LB5-1'	5/5/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
LB5	1	LB5-1'	5/5/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
LB5	1	LB5-1'	5/5/2016	7440-48-4	Cobalt, Co	15.6	mg/kg	0.5
LB5	1	LB5-1'	5/5/2016	7440-47-3	Chromium, Cr	27.2	mg/kg	0.5
LB5	1	LB5-1'	5/5/2016	7440-50-8	Copper, Cu	33.4	mg/kg	0.5
LB5	1	LB5-1'	5/5/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
LB5	1	LB5-1'	5/5/2016	7440-02-0	Nickel, Ni	19.5	mg/kg	0.5
LB5	1	LB5-1'	5/5/2016	7439-92-1	Lead, Pb	4.9	mg/kg	0.5
LB5	1	LB5-1'	5/5/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
LB5	1	LB5-1'	5/5/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
LB5	1	LB5-1'	5/5/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
LB5	1	LB5-1'	5/5/2016	7440-62-2	Vanadium, V	57.7	mg/kg	0.5
LB5	1	LB5-1'	5/5/2016	7440-66-6	Zinc, Zn	87.7	mg/kg	0.5
LB5	1	LB5-1'	5/5/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
LB5	1	LB5-1'	5/5/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
LB5	1	LB5-1'	5/5/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
LB5	1	LB5-1'	5/5/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
LB5	1	LB5-1'	5/5/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
LB5	1	LB5-1'	5/5/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
LB5	1	LB5-1'	5/5/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
LB5	1	LB5-1'	5/5/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
LB5	1	LB5-1'	5/5/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
LB5	1	LB5-1'	5/5/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
LB5	1	LB5-1'	5/5/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
LB5	1	LB5-1'	5/5/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
LB5	1	LB5-1'	5/5/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
LB5	1	LB5-1'	5/5/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
LB5	1	LB5-1'	5/5/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
LB5	1	LB5-1'	5/5/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
LB5	1	LB5-1'	5/5/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
LB5	1	LB5-1'	5/5/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
LB5	1	LB5-1'	5/5/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
LB5	1	LB5-1'	5/5/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
LB5	1	LB5-1'	5/5/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
LB5	1	LB5-1'	5/5/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
LB5	1	LB5-1'	5/5/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
LB5	1	LB5-1'	5/5/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
LB5	1	LB5-1'	5/5/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
LB5	1	LB5-1'	5/5/2016	71-43-2	Benzene	ND	µg/kg	1
LB5	1	LB5-1'	5/5/2016	108-86-1	Bromobenzene	ND	µg/kg	1
LB5	1	LB5-1'	5/5/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
LB5	1	LB5-1'	5/5/2016	75-25-2	Bromoform	ND	µg/kg	1
LB5	1	LB5-1'	5/5/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
LB5	1	LB5-1'	5/5/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
LB5	1	LB5-1'	5/5/2016	67-66-3	Chloroform	ND	µg/kg	1
LB5	1	LB5-1'	5/5/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
LB5	1	LB5-1'	5/5/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
LB5	1	LB5-1'	5/5/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
LB5	1	LB5-1'	5/5/2016	74-95-3	Dibromomethane	ND	µg/kg	1
LB5	1	LB5-1'	5/5/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
LB5	1	LB5-1'	5/5/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
LB5	1	LB5-1'	5/5/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
LB5	1	LB5-1'	5/5/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
LB5	1	LB5-1'	5/5/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
LB5	1	LB5-1'	5/5/2016	76-13-1	Freon 113	ND	µg/kg	5
LB5	1	LB5-1'	5/5/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
LB5	1	LB5-1'	5/5/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
LB5	1	LB5-1'	5/5/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
LB5	1	LB5-1'	5/5/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
LB5	1	LB5-1'	5/5/2016	91-20-3	Naphthalene	ND	µg/kg	1
LB5	1	LB5-1'	5/5/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
LB5	1	LB5-1'	5/5/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
LB5	1	LB5-1'	5/5/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
LB5	1	LB5-1'	5/5/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
LB5	1	LB5-1'	5/5/2016	100-42-5	Styrene	ND	µg/kg	1
LB5	1	LB5-1'	5/5/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
LB5	1	LB5-1'	5/5/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
LB5	1	LB5-1'	5/5/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
LB5	1	LB5-1'	5/5/2016	127-18-4	Tetrachloroethylene	ND	µg/kg	1
LB5	1	LB5-1'	5/5/2016	108-88-3	Toluene	ND	µg/kg	1
LB5	1	LB5-1'	5/5/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
LB5	1	LB5-1'	5/5/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
LB5	1	LB5-1'	5/5/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
LB5	1	LB5-1'	5/5/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
LB5	1	LB5-1'	5/5/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
LB5	1	LB5-1'	5/5/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
LB5	1	LB5-1'	5/5/2016	108-38-3	Xylenes	ND	µg/kg	1
LB5	4.5	LB5-4.5'	5/5/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
LB5	4.5	LB5-4.5'	5/5/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
LB5	4.5	LB5-4.5'	5/5/2016	7440-39-3	Barium, Ba	189	mg/kg	0.5
LB5	4.5	LB5-4.5'	5/5/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
LB5	4.5	LB5-4.5'	5/5/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
LB5	4.5	LB5-4.5'	5/5/2016	7440-48-4	Cobalt, Co	16.2	mg/kg	0.5
LB5	4.5	LB5-4.5'	5/5/2016	7440-47-3	Chromium, Cr	26.9	mg/kg	0.5
LB5	4.5	LB5-4.5'	5/5/2016	7440-50-8	Copper, Cu	30.9	mg/kg	0.5
LB5	4.5	LB5-4.5'	5/5/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
LB5	4.5	LB5-4.5'	5/5/2016	7440-02-0	Nickel, Ni	19.2	mg/kg	0.5
LB5	4.5	LB5-4.5'	5/5/2016	7439-92-1	Lead, Pb	2.7	mg/kg	0.5
LB5	4.5	LB5-4.5'	5/5/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
LB5	4.5	LB5-4.5'	5/5/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
LB5	4.5	LB5-4.5'	5/5/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
LB5	4.5	LB5-4.5'	5/5/2016	7440-62-2	Vanadium, V	59	mg/kg	0.5
LB5	4.5	LB5-4.5'	5/5/2016	7440-66-6	Zinc, Zn	65.2	mg/kg	0.5
LB5	4.5	LB5-4.5'	5/5/2016	7439-97-6	Mercury, Hg	0.052	mg/kg	0.02
LB5	4.5	LB5-4.5'	5/5/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
LB5	4.5	LB5-4.5'	5/5/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
LB5	4.5	LB5-4.5'	5/5/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
LB5	4.5	LB5-4.5'	5/5/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
LB5	4.5	LB5-4.5'	5/5/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
LB5	4.5	LB5-4.5'	5/5/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
LB5	4.5	LB5-4.5'	5/5/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
LB5	4.5	LB5-4.5'	5/5/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
LB5	4.5	LB5-4.5'	5/5/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
LB5	4.5	LB5-4.5'	5/5/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
LB5	4.5	LB5-4.5'	5/5/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
LB5	4.5	LB5-4.5'	5/5/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
LB5	4.5	LB5-4.5'	5/5/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
LB5	4.5	LB5-4.5'	5/5/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
LB5	4.5	LB5-4.5'	5/5/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
LB5	4.5	LB5-4.5'	5/5/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
LB5	4.5	LB5-4.5'	5/5/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
LB5	4.5	LB5-4.5'	5/5/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
LB5	4.5	LB5-4.5'	5/5/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
LB5	4.5	LB5-4.5'	5/5/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
LB5	4.5	LB5-4.5'	5/5/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
LB5	4.5	LB5-4.5'	5/5/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
LB5	4.5	LB5-4.5'	5/5/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
LB5	4.5	LB5-4.5'	5/5/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
LB5	4.5	LB5-4.5'	5/5/2016	71-43-2	Benzene	ND	µg/kg	1
LB5	4.5	LB5-4.5'	5/5/2016	108-86-1	Bromobenzene	ND	µg/kg	1
LB5	4.5	LB5-4.5'	5/5/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
LB5	4.5	LB5-4.5'	5/5/2016	75-25-2	Bromoform	ND	µg/kg	1
LB5	4.5	LB5-4.5'	5/5/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
LB5	4.5	LB5-4.5'	5/5/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
LB5	4.5	LB5-4.5'	5/5/2016	67-66-3	Chloroform	ND	µg/kg	1

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
LB5	4.5	LB5-4.5'	5/5/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
LB5	4.5	LB5-4.5'	5/5/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
LB5	4.5	LB5-4.5'	5/5/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
LB5	4.5	LB5-4.5'	5/5/2016	74-95-3	Dibromomethane	ND	µg/kg	1
LB5	4.5	LB5-4.5'	5/5/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
LB5	4.5	LB5-4.5'	5/5/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
LB5	4.5	LB5-4.5'	5/5/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
LB5	4.5	LB5-4.5'	5/5/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
LB5	4.5	LB5-4.5'	5/5/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
LB5	4.5	LB5-4.5'	5/5/2016	76-13-1	Freon 113	ND	µg/kg	5
LB5	4.5	LB5-4.5'	5/5/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
LB5	4.5	LB5-4.5'	5/5/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
LB5	4.5	LB5-4.5'	5/5/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
LB5	4.5	LB5-4.5'	5/5/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
LB5	4.5	LB5-4.5'	5/5/2016	91-20-3	Naphthalene	ND	µg/kg	1
LB5	4.5	LB5-4.5'	5/5/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
LB5	4.5	LB5-4.5'	5/5/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
LB5	4.5	LB5-4.5'	5/5/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
LB5	4.5	LB5-4.5'	5/5/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
LB5	4.5	LB5-4.5'	5/5/2016	100-42-5	Styrene	ND	µg/kg	1
LB5	4.5	LB5-4.5'	5/5/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
LB5	4.5	LB5-4.5'	5/5/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
LB5	4.5	LB5-4.5'	5/5/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
LB5	4.5	LB5-4.5'	5/5/2016	127-18-4	Tetrachloroethylene	21.2	µg/kg	1
LB5	4.5	LB5-4.5'	5/5/2016	108-88-3	Toluene	ND	µg/kg	1
LB5	4.5	LB5-4.5'	5/5/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
LB5	4.5	LB5-4.5'	5/5/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
LB5	4.5	LB5-4.5'	5/5/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
LB5	4.5	LB5-4.5'	5/5/2016	79-01-6	Trichloroethylene	5.3	µg/kg	1
LB5	4.5	LB5-4.5'	5/5/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
LB5	4.5	LB5-4.5'	5/5/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
LB5	4.5	LB5-4.5'	5/5/2016	108-38-3	Xylenes	ND	µg/kg	1
LB5	8.5	LB5-8.5'	5/5/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
LB5	8.5	LB5-8.5'	5/5/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
LB5	8.5	LB5-8.5'	5/5/2016	7440-39-3	Barium, Ba	209	mg/kg	0.5
LB5	8.5	LB5-8.5'	5/5/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
LB5	8.5	LB5-8.5'	5/5/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
LB5	8.5	LB5-8.5'	5/5/2016	7440-48-4	Cobalt, Co	20.3	mg/kg	0.5
LB5	8.5	LB5-8.5'	5/5/2016	7440-47-3	Chromium, Cr	35.4	mg/kg	0.5
LB5	8.5	LB5-8.5'	5/5/2016	7440-50-8	Copper, Cu	37.6	mg/kg	0.5
LB5	8.5	LB5-8.5'	5/5/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
LB5	8.5	LB5-8.5'	5/5/2016	7440-02-0	Nickel, Ni	24.8	mg/kg	0.5
LB5	8.5	LB5-8.5'	5/5/2016	7439-92-1	Lead, Pb	4.6	mg/kg	0.5
LB5	8.5	LB5-8.5'	5/5/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
LB5	8.5	LB5-8.5'	5/5/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
LB5	8.5	LB5-8.5'	5/5/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
LB5	8.5	LB5-8.5'	5/5/2016	7440-62-2	Vanadium, V	70.6	mg/kg	0.5
LB5	8.5	LB5-8.5'	5/5/2016	7440-66-6	Zinc, Zn	79.2	mg/kg	0.5
LB5	8.5	LB5-8.5'	5/5/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
LB5	8.5	LB5-8.5'	5/5/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
LB5	8.5	LB5-8.5'	5/5/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
LB5	8.5	LB5-8.5'	5/5/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
LB5	8.5	LB5-8.5'	5/5/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
LB5	8.5	LB5-8.5'	5/5/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
LB5	8.5	LB5-8.5'	5/5/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
LB5	8.5	LB5-8.5'	5/5/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
LB5	8.5	LB5-8.5'	5/5/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
LB5	8.5	LB5-8.5'	5/5/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
LB5	8.5	LB5-8.5'	5/5/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
LB5	8.5	LB5-8.5'	5/5/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
LB5	8.5	LB5-8.5'	5/5/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
LB5	8.5	LB5-8.5'	5/5/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
LB5	8.5	LB5-8.5'	5/5/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
LB5	8.5	LB5-8.5'	5/5/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
LB5	8.5	LB5-8.5'	5/5/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
LB5	8.5	LB5-8.5'	5/5/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
LB5	8.5	LB5-8.5'	5/5/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
LB5	8.5	LB5-8.5'	5/5/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
LB5	8.5	LB5-8.5'	5/5/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
LB5	8.5	LB5-8.5'	5/5/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
LB5	8.5	LB5-8.5'	5/5/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
LB5	8.5	LB5-8.5'	5/5/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
LB5	8.5	LB5-8.5'	5/5/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
LB5	8.5	LB5-8.5'	5/5/2016	71-43-2	Benzene	ND	µg/kg	1

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
LB5	8.5	LB5-8.5'	5/5/2016	108-86-1	Bromobenzene	ND	µg/kg	1
LB5	8.5	LB5-8.5'	5/5/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
LB5	8.5	LB5-8.5'	5/5/2016	75-25-2	Bromoform	ND	µg/kg	1
LB5	8.5	LB5-8.5'	5/5/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
LB5	8.5	LB5-8.5'	5/5/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
LB5	8.5	LB5-8.5'	5/5/2016	67-66-3	Chloroform	ND	µg/kg	1
LB5	8.5	LB5-8.5'	5/5/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
LB5	8.5	LB5-8.5'	5/5/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
LB5	8.5	LB5-8.5'	5/5/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
LB5	8.5	LB5-8.5'	5/5/2016	74-95-3	Dibromomethane	ND	µg/kg	1
LB5	8.5	LB5-8.5'	5/5/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
LB5	8.5	LB5-8.5'	5/5/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
LB5	8.5	LB5-8.5'	5/5/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
LB5	8.5	LB5-8.5'	5/5/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
LB5	8.5	LB5-8.5'	5/5/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
LB5	8.5	LB5-8.5'	5/5/2016	76-13-1	Freon 113	ND	µg/kg	5
LB5	8.5	LB5-8.5'	5/5/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
LB5	8.5	LB5-8.5'	5/5/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
LB5	8.5	LB5-8.5'	5/5/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
LB5	8.5	LB5-8.5'	5/5/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
LB5	8.5	LB5-8.5'	5/5/2016	91-20-3	Naphthalene	ND	µg/kg	1
LB5	8.5	LB5-8.5'	5/5/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
LB5	8.5	LB5-8.5'	5/5/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
LB5	8.5	LB5-8.5'	5/5/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
LB5	8.5	LB5-8.5'	5/5/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
LB5	8.5	LB5-8.5'	5/5/2016	100-42-5	Styrene	ND	µg/kg	1
LB5	8.5	LB5-8.5'	5/5/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
LB5	8.5	LB5-8.5'	5/5/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
LB5	8.5	LB5-8.5'	5/5/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
LB5	8.5	LB5-8.5'	5/5/2016	127-18-4	Tetrachloroethylene	3.9	µg/kg	1
LB5	8.5	LB5-8.5'	5/5/2016	108-88-3	Toluene	ND	µg/kg	1
LB5	8.5	LB5-8.5'	5/5/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
LB5	8.5	LB5-8.5'	5/5/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
LB5	8.5	LB5-8.5'	5/5/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
LB5	8.5	LB5-8.5'	5/5/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
LB5	8.5	LB5-8.5'	5/5/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
LB5	8.5	LB5-8.5'	5/5/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
LB5	8.5	LB5-8.5'	5/5/2016	108-38-3	Xylenes	ND	µg/kg	1
LB5	1D	LB5-1D	5/5/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
LB5	1D	LB5-1D	5/5/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
LB5	1D	LB5-1D	5/5/2016	7440-39-3	Barium, Ba	41.4	mg/kg	0.5
LB5	1D	LB5-1D	5/5/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
LB5	1D	LB5-1D	5/5/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
LB5	1D	LB5-1D	5/5/2016	7440-48-4	Cobalt, Co	9.8	mg/kg	0.5
LB5	1D	LB5-1D	5/5/2016	7440-47-3	Chromium, Cr	22.7	mg/kg	0.5
LB5	1D	LB5-1D	5/5/2016	7440-50-8	Copper, Cu	10.5	mg/kg	0.5
LB5	1D	LB5-1D	5/5/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
LB5	1D	LB5-1D	5/5/2016	7440-02-0	Nickel, Ni	21.3	mg/kg	0.5
LB5	1D	LB5-1D	5/5/2016	7439-92-1	Lead, Pb	1.3	mg/kg	0.5
LB5	1D	LB5-1D	5/5/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
LB5	1D	LB5-1D	5/5/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
LB5	1D	LB5-1D	5/5/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
LB5	1D	LB5-1D	5/5/2016	7440-62-2	Vanadium, V	31.8	mg/kg	0.5
LB5	1D	LB5-1D	5/5/2016	7440-66-6	Zinc, Zn	28.4	mg/kg	0.5
LB5	1D	LB5-1D	5/5/2016	7439-97-6	Mercury, Hg	0.026	mg/kg	0.02
LB5	1D	LB5-1D	5/5/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
LB5	1D	LB5-1D	5/5/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
LB5	1D	LB5-1D	5/5/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
LB5	1D	LB5-1D	5/5/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
LB5	1D	LB5-1D	5/5/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
LB5	1D	LB5-1D	5/5/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
LB5	1D	LB5-1D	5/5/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
LB5	1D	LB5-1D	5/5/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
LB5	1D	LB5-1D	5/5/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
LB5	1D	LB5-1D	5/5/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
LB5	1D	LB5-1D	5/5/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
LB5	1D	LB5-1D	5/5/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
LB5	1D	LB5-1D	5/5/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
LB5	1D	LB5-1D	5/5/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
LB5	1D	LB5-1D	5/5/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
LB5	1D	LB5-1D	5/5/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
LB5	1D	LB5-1D	5/5/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
LB5	1D	LB5-1D	5/5/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
LB5	1D	LB5-1D	5/5/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
LB5	1D	LB5-1D	5/5/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
LB5	1D	LB5-1D	5/5/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
LB5	1D	LB5-1D	5/5/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
LB5	1D	LB5-1D	5/5/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
LB5	1D	LB5-1D	5/5/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
LB5	1D	LB5-1D	5/5/2016	71-43-2	Benzene	ND	µg/kg	1
LB5	1D	LB5-1D	5/5/2016	108-86-1	Bromobenzene	ND	µg/kg	1
LB5	1D	LB5-1D	5/5/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
LB5	1D	LB5-1D	5/5/2016	75-25-2	Bromoform	ND	µg/kg	1
LB5	1D	LB5-1D	5/5/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
LB5	1D	LB5-1D	5/5/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
LB5	1D	LB5-1D	5/5/2016	67-66-3	Chloroform	ND	µg/kg	1
LB5	1D	LB5-1D	5/5/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
LB5	1D	LB5-1D	5/5/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
LB5	1D	LB5-1D	5/5/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
LB5	1D	LB5-1D	5/5/2016	74-95-3	Dibromomethane	ND	µg/kg	1
LB5	1D	LB5-1D	5/5/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
LB5	1D	LB5-1D	5/5/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
LB5	1D	LB5-1D	5/5/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
LB5	1D	LB5-1D	5/5/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
LB5	1D	LB5-1D	5/5/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
LB5	1D	LB5-1D	5/5/2016	76-13-1	Freon 113	ND	µg/kg	5
LB5	1D	LB5-1D	5/5/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
LB5	1D	LB5-1D	5/5/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
LB5	1D	LB5-1D	5/5/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
LB5	1D	LB5-1D	5/5/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
LB5	1D	LB5-1D	5/5/2016	91-20-3	Naphthalene	ND	µg/kg	1
LB5	1D	LB5-1D	5/5/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
LB5	1D	LB5-1D	5/5/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
LB5	1D	LB5-1D	5/5/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
LB5	1D	LB5-1D	5/5/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
LB5	1D	LB5-1D	5/5/2016	100-42-5	Styrene	ND	µg/kg	1
LB5	1D	LB5-1D	5/5/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
LB5	1D	LB5-1D	5/5/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
LB5	1D	LB5-1D	5/5/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
LB5	1D	LB5-1D	5/5/2016	127-18-4	Tetrachloroethylene	ND	µg/kg	1
LB5	1D	LB5-1D	5/5/2016	108-88-3	Toluene	ND	µg/kg	1
LB5	1D	LB5-1D	5/5/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
LB5	1D	LB5-1D	5/5/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
LB5	1D	LB5-1D	5/5/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
LB5	1D	LB5-1D	5/5/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
LB5	1D	LB5-1D	5/5/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
LB5	1D	LB5-1D	5/5/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
LB5	1D	LB5-1D	5/5/2016	108-38-3	Xylenes	ND	µg/kg	1
LB6	1	LB6-1'	5/5/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
LB6	1	LB6-1'	5/5/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
LB6	1	LB6-1'	5/5/2016	7440-39-3	Barium, Ba	260	mg/kg	0.5
LB6	1	LB6-1'	5/5/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
LB6	1	LB6-1'	5/5/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
LB6	1	LB6-1'	5/5/2016	7440-48-4	Cobalt, Co	19.9	mg/kg	0.5
LB6	1	LB6-1'	5/5/2016	7440-47-3	Chromium, Cr	35.7	mg/kg	0.5
LB6	1	LB6-1'	5/5/2016	7440-50-8	Copper, Cu	45.6	mg/kg	0.5
LB6	1	LB6-1'	5/5/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
LB6	1	LB6-1'	5/5/2016	7440-02-0	Nickel, Ni	26	mg/kg	0.5
LB6	1	LB6-1'	5/5/2016	7439-92-1	Lead, Pb	4.2	mg/kg	0.5
LB6	1	LB6-1'	5/5/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
LB6	1	LB6-1'	5/5/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
LB6	1	LB6-1'	5/5/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
LB6	1	LB6-1'	5/5/2016	7440-62-2	Vanadium, V	75.1	mg/kg	0.5
LB6	1	LB6-1'	5/5/2016	7440-66-6	Zinc, Zn	81.7	mg/kg	0.5
LB6	1	LB6-1'	5/5/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
LB6	1	LB6-1'	5/5/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
LB6	1	LB6-1'	5/5/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
LB6	1	LB6-1'	5/5/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
LB6	1	LB6-1'	5/5/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
LB6	1	LB6-1'	5/5/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
LB6	1	LB6-1'	5/5/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
LB6	1	LB6-1'	5/5/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
LB6	1	LB6-1'	5/5/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
LB6	1	LB6-1'	5/5/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
LB6	1	LB6-1'	5/5/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
LB6	1	LB6-1'	5/5/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
LB6	1	LB6-1'	5/5/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
LB6	1	LB6-1'	5/5/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
LB6	1	LB6-1'	5/5/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
LB6	1	LB6-1'	5/5/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
LB6	1	LB6-1'	5/5/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
LB6	1	LB6-1'	5/5/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
LB6	1	LB6-1'	5/5/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
LB6	1	LB6-1'	5/5/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
LB6	1	LB6-1'	5/5/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
LB6	1	LB6-1'	5/5/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
LB6	1	LB6-1'	5/5/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
LB6	1	LB6-1'	5/5/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
LB6	1	LB6-1'	5/5/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
LB6	1	LB6-1'	5/5/2016	71-43-2	Benzene	ND	µg/kg	1
LB6	1	LB6-1'	5/5/2016	108-86-1	Bromobenzene	ND	µg/kg	1
LB6	1	LB6-1'	5/5/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
LB6	1	LB6-1'	5/5/2016	75-25-2	Bromoform	ND	µg/kg	1
LB6	1	LB6-1'	5/5/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
LB6	1	LB6-1'	5/5/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
LB6	1	LB6-1'	5/5/2016	67-66-3	Chloroform	ND	µg/kg	1
LB6	1	LB6-1'	5/5/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
LB6	1	LB6-1'	5/5/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
LB6	1	LB6-1'	5/5/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
LB6	1	LB6-1'	5/5/2016	74-95-3	Dibromomethane	ND	µg/kg	1
LB6	1	LB6-1'	5/5/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
LB6	1	LB6-1'	5/5/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
LB6	1	LB6-1'	5/5/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
LB6	1	LB6-1'	5/5/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
LB6	1	LB6-1'	5/5/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
LB6	1	LB6-1'	5/5/2016	76-13-1	Freon 113	ND	µg/kg	5
LB6	1	LB6-1'	5/5/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
LB6	1	LB6-1'	5/5/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
LB6	1	LB6-1'	5/5/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
LB6	1	LB6-1'	5/5/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
LB6	1	LB6-1'	5/5/2016	91-20-3	Naphthalene	ND	µg/kg	1
LB6	1	LB6-1'	5/5/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
LB6	1	LB6-1'	5/5/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
LB6	1	LB6-1'	5/5/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
LB6	1	LB6-1'	5/5/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
LB6	1	LB6-1'	5/5/2016	100-42-5	Styrene	ND	µg/kg	1
LB6	1	LB6-1'	5/5/2016	75-65-0	Tert-Butylalcohol (TBA)	ND	µg/kg	50
LB6	1	LB6-1'	5/5/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
LB6	1	LB6-1'	5/5/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
LB6	1	LB6-1'	5/5/2016	127-18-4	Tetrachloroethylene	1	µg/kg	1
LB6	1	LB6-1'	5/5/2016	108-88-3	Toluene	ND	µg/kg	1
LB6	1	LB6-1'	5/5/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
LB6	1	LB6-1'	5/5/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
LB6	1	LB6-1'	5/5/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
LB6	1	LB6-1'	5/5/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
LB6	1	LB6-1'	5/5/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
LB6	1	LB6-1'	5/5/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
LB6	1	LB6-1'	5/5/2016	108-38-3	Xylenes	ND	µg/kg	1
LB6	5	LB6-5'	5/5/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
LB6	5	LB6-5'	5/5/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
LB6	5	LB6-5'	5/5/2016	7440-39-3	Barium, Ba	205	mg/kg	0.5
LB6	5	LB6-5'	5/5/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
LB6	5	LB6-5'	5/5/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
LB6	5	LB6-5'	5/5/2016	7440-48-4	Cobalt, Co	17.1	mg/kg	0.5
LB6	5	LB6-5'	5/5/2016	7440-47-3	Chromium, Cr	30.1	mg/kg	0.5
LB6	5	LB6-5'	5/5/2016	7440-50-8	Copper, Cu	32.6	mg/kg	0.5
LB6	5	LB6-5'	5/5/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
LB6	5	LB6-5'	5/5/2016	7440-02-0	Nickel, Ni	21.6	mg/kg	0.5
LB6	5	LB6-5'	5/5/2016	7439-92-1	Lead, Pb	2.7	mg/kg	0.5
LB6	5	LB6-5'	5/5/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
LB6	5	LB6-5'	5/5/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
LB6	5	LB6-5'	5/5/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
LB6	5	LB6-5'	5/5/2016	7440-62-2	Vanadium, V	65.4	mg/kg	0.5
LB6	5	LB6-5'	5/5/2016	7440-66-6	Zinc, Zn	73.7	mg/kg	0.5
LB6	5	LB6-5'	5/5/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
LB6	5	LB6-5'	5/5/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
LB6	5	LB6-5'	5/5/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
LB6	5	LB6-5'	5/5/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
LB6	5	LB6-5'	5/5/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
LB6	5	LB6-5'	5/5/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
LB6	5	LB6-5'	5/5/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
LB6	5	LB6-5'	5/5/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
LB6	5	LB6-5'	5/5/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
LB6	5	LB6-5'	5/5/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
LB6	5	LB6-5'	5/5/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
LB6	5	LB6-5'	5/5/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
LB6	5	LB6-5'	5/5/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
LB6	5	LB6-5'	5/5/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
LB6	5	LB6-5'	5/5/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
LB6	5	LB6-5'	5/5/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
LB6	5	LB6-5'	5/5/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
LB6	5	LB6-5'	5/5/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
LB6	5	LB6-5'	5/5/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
LB6	5	LB6-5'	5/5/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
LB6	5	LB6-5'	5/5/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
LB6	5	LB6-5'	5/5/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
LB6	5	LB6-5'	5/5/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
LB6	5	LB6-5'	5/5/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
LB6	5	LB6-5'	5/5/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
LB6	5	LB6-5'	5/5/2016	71-43-2	Benzene	ND	µg/kg	1
LB6	5	LB6-5'	5/5/2016	108-86-1	Bromobenzene	ND	µg/kg	1
LB6	5	LB6-5'	5/5/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
LB6	5	LB6-5'	5/5/2016	75-25-2	Bromoform	ND	µg/kg	1
LB6	5	LB6-5'	5/5/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
LB6	5	LB6-5'	5/5/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
LB6	5	LB6-5'	5/5/2016	67-66-3	Chloroform	ND	µg/kg	1
LB6	5	LB6-5'	5/5/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
LB6	5	LB6-5'	5/5/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
LB6	5	LB6-5'	5/5/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
LB6	5	LB6-5'	5/5/2016	74-95-3	Dibromomethane	ND	µg/kg	1
LB6	5	LB6-5'	5/5/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
LB6	5	LB6-5'	5/5/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
LB6	5	LB6-5'	5/5/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
LB6	5	LB6-5'	5/5/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
LB6	5	LB6-5'	5/5/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
LB6	5	LB6-5'	5/5/2016	76-13-1	Freon 113	ND	µg/kg	5
LB6	5	LB6-5'	5/5/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
LB6	5	LB6-5'	5/5/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
LB6	5	LB6-5'	5/5/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
LB6	5	LB6-5'	5/5/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
LB6	5	LB6-5'	5/5/2016	91-20-3	Naphthalene	ND	µg/kg	1
LB6	5	LB6-5'	5/5/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
LB6	5	LB6-5'	5/5/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
LB6	5	LB6-5'	5/5/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
LB6	5	LB6-5'	5/5/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
LB6	5	LB6-5'	5/5/2016	100-42-5	Styrene	ND	µg/kg	1
LB6	5	LB6-5'	5/5/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
LB6	5	LB6-5'	5/5/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
LB6	5	LB6-5'	5/5/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
LB6	5	LB6-5'	5/5/2016	127-18-4	Tetrachloroethylene	ND	µg/kg	1
LB6	5	LB6-5'	5/5/2016	108-88-3	Toluene	ND	µg/kg	1
LB6	5	LB6-5'	5/5/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
LB6	5	LB6-5'	5/5/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
LB6	5	LB6-5'	5/5/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
LB6	5	LB6-5'	5/5/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
LB6	5	LB6-5'	5/5/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
LB6	5	LB6-5'	5/5/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
LB6	5	LB6-5'	5/5/2016	108-38-3	Xylenes	ND	µg/kg	1
LB6	11	LB6-11'	5/5/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
LB6	11	LB6-11'	5/5/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
LB6	11	LB6-11'	5/5/2016	7440-39-3	Barium, Ba	190	mg/kg	0.5
LB6	11	LB6-11'	5/5/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
LB6	11	LB6-11'	5/5/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
LB6	11	LB6-11'	5/5/2016	7440-48-4	Cobalt, Co	16.3	mg/kg	0.5
LB6	11	LB6-11'	5/5/2016	7440-47-3	Chromium, Cr	28.7	mg/kg	0.5
LB6	11	LB6-11'	5/5/2016	7440-50-8	Copper, Cu	33.3	mg/kg	0.5
LB6	11	LB6-11'	5/5/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
LB6	11	LB6-11'	5/5/2016	7440-02-0	Nickel, Ni	20.6	mg/kg	0.5
LB6	11	LB6-11'	5/5/2016	7439-92-1	Lead, Pb	3.2	mg/kg	0.5
LB6	11	LB6-11'	5/5/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
LB6	11	LB6-11'	5/5/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
LB6	11	LB6-11'	5/5/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
LB6	11	LB6-11'	5/5/2016	7440-62-2	Vanadium, V	63.2	mg/kg	0.5
LB6	11	LB6-11'	5/5/2016	7440-66-6	Zinc, Zn	68.8	mg/kg	0.5
LB6	11	LB6-11'	5/5/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
LB6	11	LB6-11'	5/5/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
LB6	11	LB6-11'	5/5/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
LB6	11	LB6-11'	5/5/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
LB6	11	LB6-11'	5/5/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
LB6	11	LB6-11'	5/5/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
LB6	11	LB6-11'	5/5/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
LB6	11	LB6-11'	5/5/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
LB6	11	LB6-11'	5/5/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
LB6	11	LB6-11'	5/5/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
LB6	11	LB6-11'	5/5/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
LB6	11	LB6-11'	5/5/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
LB6	11	LB6-11'	5/5/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
LB6	11	LB6-11'	5/5/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
LB6	11	LB6-11'	5/5/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
LB6	11	LB6-11'	5/5/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
LB6	11	LB6-11'	5/5/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
LB6	11	LB6-11'	5/5/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
LB6	11	LB6-11'	5/5/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
LB6	11	LB6-11'	5/5/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
LB6	11	LB6-11'	5/5/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
LB6	11	LB6-11'	5/5/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
LB6	11	LB6-11'	5/5/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
LB6	11	LB6-11'	5/5/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
LB6	11	LB6-11'	5/5/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
LB6	11	LB6-11'	5/5/2016	71-43-2	Benzene	ND	µg/kg	1
LB6	11	LB6-11'	5/5/2016	108-86-1	Bromobenzene	ND	µg/kg	1
LB6	11	LB6-11'	5/5/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
LB6	11	LB6-11'	5/5/2016	75-25-2	Bromoform	ND	µg/kg	1
LB6	11	LB6-11'	5/5/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
LB6	11	LB6-11'	5/5/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
LB6	11	LB6-11'	5/5/2016	67-66-3	Chloroform	ND	µg/kg	1
LB6	11	LB6-11'	5/5/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
LB6	11	LB6-11'	5/5/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
LB6	11	LB6-11'	5/5/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
LB6	11	LB6-11'	5/5/2016	74-95-3	Dibromomethane	ND	µg/kg	1
LB6	11	LB6-11'	5/5/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
LB6	11	LB6-11'	5/5/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
LB6	11	LB6-11'	5/5/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
LB6	11	LB6-11'	5/5/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
LB6	11	LB6-11'	5/5/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
LB6	11	LB6-11'	5/5/2016	76-13-1	Freon 113	ND	µg/kg	5
LB6	11	LB6-11'	5/5/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
LB6	11	LB6-11'	5/5/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
LB6	11	LB6-11'	5/5/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
LB6	11	LB6-11'	5/5/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
LB6	11	LB6-11'	5/5/2016	91-20-3	Naphthalene	ND	µg/kg	1
LB6	11	LB6-11'	5/5/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
LB6	11	LB6-11'	5/5/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
LB6	11	LB6-11'	5/5/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
LB6	11	LB6-11'	5/5/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
LB6	11	LB6-11'	5/5/2016	100-42-5	Styrene	ND	µg/kg	1
LB6	11	LB6-11'	5/5/2016	75-65-0	Tert-Butylalcohol (TBA)	ND	µg/kg	50
LB6	11	LB6-11'	5/5/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
LB6	11	LB6-11'	5/5/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
LB6	11	LB6-11'	5/5/2016	127-18-4	Tetrachloroethylene	ND	µg/kg	1
LB6	11	LB6-11'	5/5/2016	108-88-3	Toluene	ND	µg/kg	1
LB6	11	LB6-11'	5/5/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
LB6	11	LB6-11'	5/5/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
LB6	11	LB6-11'	5/5/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
LB6	11	LB6-11'	5/5/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
LB6	11	LB6-11'	5/5/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
LB6	11	LB6-11'	5/5/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
LB6	11	LB6-11'	5/5/2016	108-38-3	Xylenes	ND	µg/kg	1
LB7	1	LB7-1'	5/5/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
LB7	1	LB7-1'	5/5/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
LB7	1	LB7-1'	5/5/2016	7440-39-3	Barium, Ba	166	mg/kg	0.5
LB7	1	LB7-1'	5/5/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
LB7	1	LB7-1'	5/5/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
LB7	1	LB7-1'	5/5/2016	7440-48-4	Cobalt, Co	14.8	mg/kg	0.5
LB7	1	LB7-1'	5/5/2016	7440-47-3	Chromium, Cr	24.7	mg/kg	0.5
LB7	1	LB7-1'	5/5/2016	7440-50-8	Copper, Cu	25.8	mg/kg	0.5
LB7	1	LB7-1'	5/5/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
LB7	1	LB7-1'	5/5/2016	7440-02-0	Nickel, Ni	17.4	mg/kg	0.5
LB7	1	LB7-1'	5/5/2016	7439-92-1	Lead, Pb	5.2	mg/kg	0.5
LB7	1	LB7-1'	5/5/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
LB7	1	LB7-1'	5/5/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
LB7	1	LB7-1'	5/5/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
LB7	1	LB7-1'	5/5/2016	7440-62-2	Vanadium, V	53.4	mg/kg	0.5
LB7	1	LB7-1'	5/5/2016	7440-66-6	Zinc, Zn	73.2	mg/kg	0.5
LB7	1	LB7-1'	5/5/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
LB7	1	LB7-1'	5/5/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
LB7	1	LB7-1'	5/5/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
LB7	1	LB7-1'	5/5/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
LB7	1	LB7-1'	5/5/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
LB7	1	LB7-1'	5/5/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
LB7	1	LB7-1'	5/5/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
LB7	1	LB7-1'	5/5/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
LB7	1	LB7-1'	5/5/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
LB7	1	LB7-1'	5/5/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
LB7	1	LB7-1'	5/5/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
LB7	1	LB7-1'	5/5/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
LB7	1	LB7-1'	5/5/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
LB7	1	LB7-1'	5/5/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
LB7	1	LB7-1'	5/5/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
LB7	1	LB7-1'	5/5/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
LB7	1	LB7-1'	5/5/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
LB7	1	LB7-1'	5/5/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
LB7	1	LB7-1'	5/5/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
LB7	1	LB7-1'	5/5/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
LB7	1	LB7-1'	5/5/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
LB7	1	LB7-1'	5/5/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
LB7	1	LB7-1'	5/5/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
LB7	1	LB7-1'	5/5/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
LB7	1	LB7-1'	5/5/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
LB7	1	LB7-1'	5/5/2016	71-43-2	Benzene	ND	µg/kg	1
LB7	1	LB7-1'	5/5/2016	108-86-1	Bromobenzene	ND	µg/kg	1
LB7	1	LB7-1'	5/5/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
LB7	1	LB7-1'	5/5/2016	75-25-2	Bromoform	ND	µg/kg	1
LB7	1	LB7-1'	5/5/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
LB7	1	LB7-1'	5/5/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
LB7	1	LB7-1'	5/5/2016	67-66-3	Chloroform	ND	µg/kg	1
LB7	1	LB7-1'	5/5/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
LB7	1	LB7-1'	5/5/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
LB7	1	LB7-1'	5/5/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
LB7	1	LB7-1'	5/5/2016	74-95-3	Dibromomethane	ND	µg/kg	1
LB7	1	LB7-1'	5/5/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
LB7	1	LB7-1'	5/5/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
LB7	1	LB7-1'	5/5/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
LB7	1	LB7-1'	5/5/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
LB7	1	LB7-1'	5/5/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
LB7	1	LB7-1'	5/5/2016	76-13-1	Freon 113	ND	µg/kg	5
LB7	1	LB7-1'	5/5/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
LB7	1	LB7-1'	5/5/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
LB7	1	LB7-1'	5/5/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
LB7	1	LB7-1'	5/5/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
LB7	1	LB7-1'	5/5/2016	91-20-3	Naphthalene	ND	µg/kg	1
LB7	1	LB7-1'	5/5/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
LB7	1	LB7-1'	5/5/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
LB7	1	LB7-1'	5/5/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
LB7	1	LB7-1'	5/5/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
LB7	1	LB7-1'	5/5/2016	100-42-5	Styrene	ND	µg/kg	1
LB7	1	LB7-1'	5/5/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
LB7	1	LB7-1'	5/5/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
LB7	1	LB7-1'	5/5/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
LB7	1	LB7-1'	5/5/2016	127-18-4	Tetrachloroethylene	3.5	µg/kg	1
LB7	1	LB7-1'	5/5/2016	108-88-3	Toluene	ND	µg/kg	1
LB7	1	LB7-1'	5/5/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
LB7	1	LB7-1'	5/5/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
LB7	1	LB7-1'	5/5/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
LB7	1	LB7-1'	5/5/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
LB7	1	LB7-1'	5/5/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
LB7	1	LB7-1'	5/5/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
LB7	1	LB7-1'	5/5/2016	108-38-3	Xylenes	ND	µg/kg	1
LB7	5	LB7-5'	5/5/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
LB7	5	LB7-5'	5/5/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
LB7	5	LB7-5'	5/5/2016	7440-39-3	Barium, Ba	201	mg/kg	0.5
LB7	5	LB7-5'	5/5/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
LB7	5	LB7-5'	5/5/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
LB7	5	LB7-5'	5/5/2016	7440-48-4	Cobalt, Co	16.2	mg/kg	0.5

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
LB7	5	LB7-5'	5/5/2016	7440-47-3	Chromium, Cr	29.1	mg/kg	0.5
LB7	5	LB7-5'	5/5/2016	7440-50-8	Copper, Cu	30.2	mg/kg	0.5
LB7	5	LB7-5'	5/5/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
LB7	5	LB7-5'	5/5/2016	7440-02-0	Nickel, Ni	20.5	mg/kg	0.5
LB7	5	LB7-5'	5/5/2016	7439-92-1	Lead, Pb	3.1	mg/kg	0.5
LB7	5	LB7-5'	5/5/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
LB7	5	LB7-5'	5/5/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
LB7	5	LB7-5'	5/5/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
LB7	5	LB7-5'	5/5/2016	7440-62-2	Vanadium, V	62.3	mg/kg	0.5
LB7	5	LB7-5'	5/5/2016	7440-66-6	Zinc, Zn	74.5	mg/kg	0.5
LB7	5	LB7-5'	5/5/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
LB7	5	LB7-5'	5/5/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
LB7	5	LB7-5'	5/5/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
LB7	5	LB7-5'	5/5/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
LB7	5	LB7-5'	5/5/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
LB7	5	LB7-5'	5/5/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
LB7	5	LB7-5'	5/5/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
LB7	5	LB7-5'	5/5/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
LB7	5	LB7-5'	5/5/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
LB7	5	LB7-5'	5/5/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
LB7	5	LB7-5'	5/5/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
LB7	5	LB7-5'	5/5/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
LB7	5	LB7-5'	5/5/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
LB7	5	LB7-5'	5/5/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
LB7	5	LB7-5'	5/5/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
LB7	5	LB7-5'	5/5/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
LB7	5	LB7-5'	5/5/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
LB7	5	LB7-5'	5/5/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
LB7	5	LB7-5'	5/5/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
LB7	5	LB7-5'	5/5/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
LB7	5	LB7-5'	5/5/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
LB7	5	LB7-5'	5/5/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
LB7	5	LB7-5'	5/5/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
LB7	5	LB7-5'	5/5/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
LB7	5	LB7-5'	5/5/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
LB7	5	LB7-5'	5/5/2016	71-43-2	Benzene	ND	µg/kg	1
LB7	5	LB7-5'	5/5/2016	108-86-1	Bromobenzene	ND	µg/kg	1
LB7	5	LB7-5'	5/5/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
LB7	5	LB7-5'	5/5/2016	75-25-2	Bromoform	ND	µg/kg	1
LB7	5	LB7-5'	5/5/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
LB7	5	LB7-5'	5/5/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
LB7	5	LB7-5'	5/5/2016	67-66-3	Chloroform	ND	µg/kg	1
LB7	5	LB7-5'	5/5/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
LB7	5	LB7-5'	5/5/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
LB7	5	LB7-5'	5/5/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
LB7	5	LB7-5'	5/5/2016	74-95-3	Dibromomethane	ND	µg/kg	1
LB7	5	LB7-5'	5/5/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
LB7	5	LB7-5'	5/5/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
LB7	5	LB7-5'	5/5/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
LB7	5	LB7-5'	5/5/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
LB7	5	LB7-5'	5/5/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
LB7	5	LB7-5'	5/5/2016	76-13-1	Freon 113	ND	µg/kg	5
LB7	5	LB7-5'	5/5/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
LB7	5	LB7-5'	5/5/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
LB7	5	LB7-5'	5/5/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
LB7	5	LB7-5'	5/5/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
LB7	5	LB7-5'	5/5/2016	91-20-3	Naphthalene	ND	µg/kg	1
LB7	5	LB7-5'	5/5/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
LB7	5	LB7-5'	5/5/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
LB7	5	LB7-5'	5/5/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
LB7	5	LB7-5'	5/5/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
LB7	5	LB7-5'	5/5/2016	100-42-5	Styrene	ND	µg/kg	1
LB7	5	LB7-5'	5/5/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
LB7	5	LB7-5'	5/5/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
LB7	5	LB7-5'	5/5/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
LB7	5	LB7-5'	5/5/2016	127-18-4	Tetrachloroethylene	ND	µg/kg	1
LB7	5	LB7-5'	5/5/2016	108-88-3	Toluene	ND	µg/kg	1
LB7	5	LB7-5'	5/5/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
LB7	5	LB7-5'	5/5/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
LB7	5	LB7-5'	5/5/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
LB7	5	LB7-5'	5/5/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
LB7	5	LB7-5'	5/5/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
LB7	5	LB7-5'	5/5/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
LB7	5	LB7-5'	5/5/2016	108-38-3	Xylenes	ND	µg/kg	1

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
LB7	11	LB7-11'	5/5/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
LB7	11	LB7-11'	5/5/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
LB7	11	LB7-11'	5/5/2016	7440-39-3	Barium, Ba	161	mg/kg	0.5
LB7	11	LB7-11'	5/5/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
LB7	11	LB7-11'	5/5/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
LB7	11	LB7-11'	5/5/2016	7440-48-4	Cobalt, Co	14.2	mg/kg	0.5
LB7	11	LB7-11'	5/5/2016	7440-47-3	Chromium, Cr	27.3	mg/kg	0.5
LB7	11	LB7-11'	5/5/2016	7440-50-8	Copper, Cu	26.8	mg/kg	0.5
LB7	11	LB7-11'	5/5/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
LB7	11	LB7-11'	5/5/2016	7440-02-0	Nickel, Ni	18.8	mg/kg	0.5
LB7	11	LB7-11'	5/5/2016	7439-92-1	Lead, Pb	2.4	mg/kg	0.5
LB7	11	LB7-11'	5/5/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
LB7	11	LB7-11'	5/5/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
LB7	11	LB7-11'	5/5/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
LB7	11	LB7-11'	5/5/2016	7440-62-2	Vanadium, V	56.9	mg/kg	0.5
LB7	11	LB7-11'	5/5/2016	7440-66-6	Zinc, Zn	57.8	mg/kg	0.5
LB7	11	LB7-11'	5/5/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
LB7	11	LB7-11'	5/5/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
LB7	11	LB7-11'	5/5/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
LB7	11	LB7-11'	5/5/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
LB7	11	LB7-11'	5/5/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
LB7	11	LB7-11'	5/5/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
LB7	11	LB7-11'	5/5/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
LB7	11	LB7-11'	5/5/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
LB7	11	LB7-11'	5/5/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
LB7	11	LB7-11'	5/5/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
LB7	11	LB7-11'	5/5/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
LB7	11	LB7-11'	5/5/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
LB7	11	LB7-11'	5/5/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
LB7	11	LB7-11'	5/5/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
LB7	11	LB7-11'	5/5/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
LB7	11	LB7-11'	5/5/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
LB7	11	LB7-11'	5/5/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
LB7	11	LB7-11'	5/5/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
LB7	11	LB7-11'	5/5/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
LB7	11	LB7-11'	5/5/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
LB7	11	LB7-11'	5/5/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
LB7	11	LB7-11'	5/5/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
LB7	11	LB7-11'	5/5/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
LB7	11	LB7-11'	5/5/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
LB7	11	LB7-11'	5/5/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
LB7	11	LB7-11'	5/5/2016	71-43-2	Benzene	ND	µg/kg	1
LB7	11	LB7-11'	5/5/2016	108-86-1	Bromobenzene	ND	µg/kg	1
LB7	11	LB7-11'	5/5/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
LB7	11	LB7-11'	5/5/2016	75-25-2	Bromoform	ND	µg/kg	1
LB7	11	LB7-11'	5/5/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
LB7	11	LB7-11'	5/5/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
LB7	11	LB7-11'	5/5/2016	67-66-3	Chloroform	ND	µg/kg	1
LB7	11	LB7-11'	5/5/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
LB7	11	LB7-11'	5/5/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
LB7	11	LB7-11'	5/5/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
LB7	11	LB7-11'	5/5/2016	74-95-3	Dibromomethane	ND	µg/kg	1
LB7	11	LB7-11'	5/5/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
LB7	11	LB7-11'	5/5/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
LB7	11	LB7-11'	5/5/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
LB7	11	LB7-11'	5/5/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
LB7	11	LB7-11'	5/5/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
LB7	11	LB7-11'	5/5/2016	76-13-1	Freon 113	ND	µg/kg	5
LB7	11	LB7-11'	5/5/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
LB7	11	LB7-11'	5/5/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
LB7	11	LB7-11'	5/5/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
LB7	11	LB7-11'	5/5/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
LB7	11	LB7-11'	5/5/2016	91-20-3	Naphthalene	ND	µg/kg	1
LB7	11	LB7-11'	5/5/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
LB7	11	LB7-11'	5/5/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
LB7	11	LB7-11'	5/5/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
LB7	11	LB7-11'	5/5/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
LB7	11	LB7-11'	5/5/2016	100-42-5	Styrene	ND	µg/kg	1
LB7	11	LB7-11'	5/5/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
LB7	11	LB7-11'	5/5/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
LB7	11	LB7-11'	5/5/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
LB7	11	LB7-11'	5/5/2016	127-18-4	Tetrachloroethylene	1	µg/kg	1
LB7	11	LB7-11'	5/5/2016	108-88-3	Toluene	ND	µg/kg	1
LB7	11	LB7-11'	5/5/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
LB7	11	LB7-11'	5/5/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
LB7	11	LB7-11'	5/5/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
LB7	11	LB7-11'	5/5/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
LB7	11	LB7-11'	5/5/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
LB7	11	LB7-11'	5/5/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
LB7	11	LB7-11'	5/5/2016	108-38-3	Xylenes	ND	µg/kg	1
LB8	1	LB8-1'	5/5/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
LB8	1	LB8-1'	5/5/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
LB8	1	LB8-1'	5/5/2016	7440-39-3	Barium, Ba	179	mg/kg	0.5
LB8	1	LB8-1'	5/5/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
LB8	1	LB8-1'	5/5/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
LB8	1	LB8-1'	5/5/2016	7440-48-4	Cobalt, Co	14.8	mg/kg	0.5
LB8	1	LB8-1'	5/5/2016	7440-47-3	Chromium, Cr	27.7	mg/kg	0.5
LB8	1	LB8-1'	5/5/2016	7440-50-8	Copper, Cu	29.4	mg/kg	0.5
LB8	1	LB8-1'	5/5/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
LB8	1	LB8-1'	5/5/2016	7440-02-0	Nickel, Ni	19.1	mg/kg	0.5
LB8	1	LB8-1'	5/5/2016	7439-92-1	Lead, Pb	8.2	mg/kg	0.5
LB8	1	LB8-1'	5/5/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
LB8	1	LB8-1'	5/5/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
LB8	1	LB8-1'	5/5/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
LB8	1	LB8-1'	5/5/2016	7440-62-2	Vanadium, V	58.1	mg/kg	0.5
LB8	1	LB8-1'	5/5/2016	7440-66-6	Zinc, Zn	83.4	mg/kg	0.5
LB8	1	LB8-1'	5/5/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
LB8	1	LB8-1'	5/5/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
LB8	1	LB8-1'	5/5/2016	71-55-6	1,1,1-Trichloroethane	20.9	µg/kg	1
LB8	1	LB8-1'	5/5/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
LB8	1	LB8-1'	5/5/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
LB8	1	LB8-1'	5/5/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
LB8	1	LB8-1'	5/5/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
LB8	1	LB8-1'	5/5/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
LB8	1	LB8-1'	5/5/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
LB8	1	LB8-1'	5/5/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
LB8	1	LB8-1'	5/5/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
LB8	1	LB8-1'	5/5/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
LB8	1	LB8-1'	5/5/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
LB8	1	LB8-1'	5/5/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
LB8	1	LB8-1'	5/5/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
LB8	1	LB8-1'	5/5/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
LB8	1	LB8-1'	5/5/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
LB8	1	LB8-1'	5/5/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
LB8	1	LB8-1'	5/5/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
LB8	1	LB8-1'	5/5/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
LB8	1	LB8-1'	5/5/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
LB8	1	LB8-1'	5/5/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
LB8	1	LB8-1'	5/5/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
LB8	1	LB8-1'	5/5/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
LB8	1	LB8-1'	5/5/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
LB8	1	LB8-1'	5/5/2016	71-43-2	Benzene	ND	µg/kg	1
LB8	1	LB8-1'	5/5/2016	108-86-1	Bromobenzene	ND	µg/kg	1
LB8	1	LB8-1'	5/5/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
LB8	1	LB8-1'	5/5/2016	75-25-2	Bromoform	ND	µg/kg	1
LB8	1	LB8-1'	5/5/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
LB8	1	LB8-1'	5/5/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
LB8	1	LB8-1'	5/5/2016	67-66-3	Chloroform	ND	µg/kg	1
LB8	1	LB8-1'	5/5/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
LB8	1	LB8-1'	5/5/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
LB8	1	LB8-1'	5/5/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
LB8	1	LB8-1'	5/5/2016	74-95-3	Dibromomethane	ND	µg/kg	1
LB8	1	LB8-1'	5/5/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
LB8	1	LB8-1'	5/5/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
LB8	1	LB8-1'	5/5/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
LB8	1	LB8-1'	5/5/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
LB8	1	LB8-1'	5/5/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
LB8	1	LB8-1'	5/5/2016	76-13-1	Freon 113	ND	µg/kg	5
LB8	1	LB8-1'	5/5/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
LB8	1	LB8-1'	5/5/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
LB8	1	LB8-1'	5/5/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
LB8	1	LB8-1'	5/5/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
LB8	1	LB8-1'	5/5/2016	91-20-3	Naphthalene	ND	µg/kg	1
LB8	1	LB8-1'	5/5/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
LB8	1	LB8-1'	5/5/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
LB8	1	LB8-1'	5/5/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
LB8	1	LB8-1'	5/5/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
LB8	1	LB8-1'	5/5/2016	100-42-5	Styrene	ND	µg/kg	1

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
LB8	1	LB8-1'	5/5/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
LB8	1	LB8-1'	5/5/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
LB8	1	LB8-1'	5/5/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
LB8	1	LB8-1'	5/5/2016	127-18-4	Tetrachloroethylene	187	µg/kg	1
LB8	1	LB8-1'	5/5/2016	108-88-3	Toluene	ND	µg/kg	1
LB8	1	LB8-1'	5/5/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
LB8	1	LB8-1'	5/5/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
LB8	1	LB8-1'	5/5/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
LB8	1	LB8-1'	5/5/2016	79-01-6	Trichloroethylene	1.7	µg/kg	1
LB8	1	LB8-1'	5/5/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
LB8	1	LB8-1'	5/5/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
LB8	1	LB8-1'	5/5/2016	108-38-3	Xylenes	ND	µg/kg	1
LB8	5	LB8-5'	5/5/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
LB8	5	LB8-5'	5/5/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
LB8	5	LB8-5'	5/5/2016	7440-39-3	Barium, Ba	227	mg/kg	0.5
LB8	5	LB8-5'	5/5/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
LB8	5	LB8-5'	5/5/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
LB8	5	LB8-5'	5/5/2016	7440-48-4	Cobalt, Co	20	mg/kg	0.5
LB8	5	LB8-5'	5/5/2016	7440-47-3	Chromium, Cr	35.1	mg/kg	0.5
LB8	5	LB8-5'	5/5/2016	7440-50-8	Copper, Cu	38.2	mg/kg	0.5
LB8	5	LB8-5'	5/5/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
LB8	5	LB8-5'	5/5/2016	7440-02-0	Nickel, Ni	25.4	mg/kg	0.5
LB8	5	LB8-5'	5/5/2016	7439-92-1	Lead, Pb	4.2	mg/kg	0.5
LB8	5	LB8-5'	5/5/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
LB8	5	LB8-5'	5/5/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
LB8	5	LB8-5'	5/5/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
LB8	5	LB8-5'	5/5/2016	7440-62-2	Vanadium, V	74.6	mg/kg	0.5
LB8	5	LB8-5'	5/5/2016	7440-66-6	Zinc, Zn	82	mg/kg	0.5
LB8	5	LB8-5'	5/5/2016	7439-97-6	Mercury, Hg	0.062	mg/kg	0.02
LB8	5	LB8-5'	5/5/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
LB8	5	LB8-5'	5/5/2016	71-55-6	1,1,1-Trichloroethane	4.1	µg/kg	1
LB8	5	LB8-5'	5/5/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
LB8	5	LB8-5'	5/5/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
LB8	5	LB8-5'	5/5/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
LB8	5	LB8-5'	5/5/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
LB8	5	LB8-5'	5/5/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
LB8	5	LB8-5'	5/5/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
LB8	5	LB8-5'	5/5/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
LB8	5	LB8-5'	5/5/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
LB8	5	LB8-5'	5/5/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
LB8	5	LB8-5'	5/5/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
LB8	5	LB8-5'	5/5/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
LB8	5	LB8-5'	5/5/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
LB8	5	LB8-5'	5/5/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
LB8	5	LB8-5'	5/5/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
LB8	5	LB8-5'	5/5/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
LB8	5	LB8-5'	5/5/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
LB8	5	LB8-5'	5/5/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
LB8	5	LB8-5'	5/5/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
LB8	5	LB8-5'	5/5/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
LB8	5	LB8-5'	5/5/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
LB8	5	LB8-5'	5/5/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
LB8	5	LB8-5'	5/5/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
LB8	5	LB8-5'	5/5/2016	71-43-2	Benzene	ND	µg/kg	1
LB8	5	LB8-5'	5/5/2016	108-86-1	Bromobenzene	ND	µg/kg	1
LB8	5	LB8-5'	5/5/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
LB8	5	LB8-5'	5/5/2016	75-25-2	Bromoform	ND	µg/kg	1
LB8	5	LB8-5'	5/5/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
LB8	5	LB8-5'	5/5/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
LB8	5	LB8-5'	5/5/2016	67-66-3	Chloroform	ND	µg/kg	1
LB8	5	LB8-5'	5/5/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
LB8	5	LB8-5'	5/5/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
LB8	5	LB8-5'	5/5/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
LB8	5	LB8-5'	5/5/2016	74-95-3	Dibromomethane	ND	µg/kg	1
LB8	5	LB8-5'	5/5/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
LB8	5	LB8-5'	5/5/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
LB8	5	LB8-5'	5/5/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
LB8	5	LB8-5'	5/5/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
LB8	5	LB8-5'	5/5/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
LB8	5	LB8-5'	5/5/2016	76-13-1	Freon 113	ND	µg/kg	5
LB8	5	LB8-5'	5/5/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
LB8	5	LB8-5'	5/5/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
LB8	5	LB8-5'	5/5/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
LB8	5	LB8-5'	5/5/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
LB8	5	LB8-5'	5/5/2016	91-20-3	Naphthalene	ND	µg/kg	1
LB8	5	LB8-5'	5/5/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
LB8	5	LB8-5'	5/5/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
LB8	5	LB8-5'	5/5/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
LB8	5	LB8-5'	5/5/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
LB8	5	LB8-5'	5/5/2016	100-42-5	Styrene	ND	µg/kg	1
LB8	5	LB8-5'	5/5/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
LB8	5	LB8-5'	5/5/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
LB8	5	LB8-5'	5/5/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
LB8	5	LB8-5'	5/5/2016	127-18-4	Tetrachloroethylene	21.5	µg/kg	1
LB8	5	LB8-5'	5/5/2016	108-88-3	Toluene	ND	µg/kg	1
LB8	5	LB8-5'	5/5/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
LB8	5	LB8-5'	5/5/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
LB8	5	LB8-5'	5/5/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
LB8	5	LB8-5'	5/5/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
LB8	5	LB8-5'	5/5/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
LB8	5	LB8-5'	5/5/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
LB8	5	LB8-5'	5/5/2016	108-38-3	Xylenes	ND	µg/kg	1
LB8	11	LB8-11'	5/5/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
LB8	11	LB8-11'	5/5/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
LB8	11	LB8-11'	5/5/2016	7440-39-3	Barium, Ba	211	mg/kg	0.5
LB8	11	LB8-11'	5/5/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
LB8	11	LB8-11'	5/5/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
LB8	11	LB8-11'	5/5/2016	7440-48-4	Cobalt, Co	16.4	mg/kg	0.5
LB8	11	LB8-11'	5/5/2016	7440-47-3	Chromium, Cr	30	mg/kg	0.5
LB8	11	LB8-11'	5/5/2016	7440-50-8	Copper, Cu	31.3	mg/kg	0.5
LB8	11	LB8-11'	5/5/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
LB8	11	LB8-11'	5/5/2016	7440-02-0	Nickel, Ni	20	mg/kg	0.5
LB8	11	LB8-11'	5/5/2016	7439-92-1	Lead, Pb	2.7	mg/kg	0.5
LB8	11	LB8-11'	5/5/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
LB8	11	LB8-11'	5/5/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
LB8	11	LB8-11'	5/5/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
LB8	11	LB8-11'	5/5/2016	7440-62-2	Vanadium, V	64.8	mg/kg	0.5
LB8	11	LB8-11'	5/5/2016	7440-66-6	Zinc, Zn	71.7	mg/kg	0.5
LB8	11	LB8-11'	5/5/2016	7439-97-6	Mercury, Hg	0.023	mg/kg	0.02
LB8	11	LB8-11'	5/5/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
LB8	11	LB8-11'	5/5/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
LB8	11	LB8-11'	5/5/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
LB8	11	LB8-11'	5/5/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
LB8	11	LB8-11'	5/5/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
LB8	11	LB8-11'	5/5/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
LB8	11	LB8-11'	5/5/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
LB8	11	LB8-11'	5/5/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
LB8	11	LB8-11'	5/5/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
LB8	11	LB8-11'	5/5/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
LB8	11	LB8-11'	5/5/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
LB8	11	LB8-11'	5/5/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
LB8	11	LB8-11'	5/5/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
LB8	11	LB8-11'	5/5/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
LB8	11	LB8-11'	5/5/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
LB8	11	LB8-11'	5/5/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
LB8	11	LB8-11'	5/5/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
LB8	11	LB8-11'	5/5/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
LB8	11	LB8-11'	5/5/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
LB8	11	LB8-11'	5/5/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
LB8	11	LB8-11'	5/5/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
LB8	11	LB8-11'	5/5/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
LB8	11	LB8-11'	5/5/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
LB8	11	LB8-11'	5/5/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
LB8	11	LB8-11'	5/5/2016	71-43-2	Benzene	ND	µg/kg	1
LB8	11	LB8-11'	5/5/2016	108-86-1	Bromobenzene	ND	µg/kg	1
LB8	11	LB8-11'	5/5/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
LB8	11	LB8-11'	5/5/2016	75-25-2	Bromoform	ND	µg/kg	1
LB8	11	LB8-11'	5/5/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
LB8	11	LB8-11'	5/5/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
LB8	11	LB8-11'	5/5/2016	67-66-3	Chloroform	ND	µg/kg	1
LB8	11	LB8-11'	5/5/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
LB8	11	LB8-11'	5/5/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
LB8	11	LB8-11'	5/5/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
LB8	11	LB8-11'	5/5/2016	74-95-3	Dibromomethane	ND	µg/kg	1
LB8	11	LB8-11'	5/5/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
LB8	11	LB8-11'	5/5/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
LB8	11	LB8-11'	5/5/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
LB8	11	LB8-11'	5/5/2016	100-41-4	Ethylbenzene	ND	µg/kg	1

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
LB8	11	LB8-11'	5/5/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
LB8	11	LB8-11'	5/5/2016	76-13-1	Freon 113	ND	µg/kg	5
LB8	11	LB8-11'	5/5/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
LB8	11	LB8-11'	5/5/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
LB8	11	LB8-11'	5/5/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
LB8	11	LB8-11'	5/5/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
LB8	11	LB8-11'	5/5/2016	91-20-3	Naphthalene	ND	µg/kg	1
LB8	11	LB8-11'	5/5/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
LB8	11	LB8-11'	5/5/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
LB8	11	LB8-11'	5/5/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
LB8	11	LB8-11'	5/5/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
LB8	11	LB8-11'	5/5/2016	100-42-5	Styrene	ND	µg/kg	1
LB8	11	LB8-11'	5/5/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
LB8	11	LB8-11'	5/5/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
LB8	11	LB8-11'	5/5/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
LB8	11	LB8-11'	5/5/2016	127-18-4	Tetrachloroethylene	3	µg/kg	1
LB8	11	LB8-11'	5/5/2016	108-88-3	Toluene	ND	µg/kg	1
LB8	11	LB8-11'	5/5/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
LB8	11	LB8-11'	5/5/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
LB8	11	LB8-11'	5/5/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
LB8	11	LB8-11'	5/5/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
LB8	11	LB8-11'	5/5/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
LB8	11	LB8-11'	5/5/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
LB8	11	LB8-11'	5/5/2016	108-38-3	Xylenes	ND	µg/kg	1
SS-1	5	SS-1-5	6/28/2012	18540-29-9	Chromium, Hexavalent	ND	µg/kg	400
SS-1	10	SS-1-10	6/28/2012	18540-29-9	Chromium, Hexavalent	ND	µg/kg	400
SS-2	5	SS-2-5	6/28/2012	18540-29-9	Chromium, Hexavalent	1100	µg/kg	400
SS-2	10	SS-2-10	6/28/2012	7439-97-6	Mercury	ND	mg/kg	0.0835
SS-2	10	SS-2-10	6/28/2012	7440-36-0	Antimony	ND	mg/kg	0.75
SS-2	10	SS-2-10	6/28/2012	7440-38-2	Arsenic	6.23	mg/kg	0.75
SS-2	10	SS-2-10	6/28/2012	7440-39-3	Barium	75.7	mg/kg	0.5
SS-2	10	SS-2-10	6/28/2012	7440-41-7	Beryllium	ND	mg/kg	0.25
SS-2	10	SS-2-10	6/28/2012	7440-43-9	Cadmium	ND	mg/kg	0.5
SS-2	10	SS-2-10	6/28/2012	7440-47-3	Chromium	33	mg/kg	0.25
SS-2	10	SS-2-10	6/28/2012	7440-48-4	Cobalt	7.02	mg/kg	0.25
SS-2	10	SS-2-10	6/28/2012	7440-50-8	Copper	244	mg/kg	0.5
SS-2	10	SS-2-10	6/28/2012	7439-92-1	Lead	1.67	mg/kg	0.5
SS-2	10	SS-2-10	6/28/2012	7439-98-7	Molybdenum	ND	mg/kg	0.25
SS-2	10	SS-2-10	6/28/2012	7440-02-0	Nickel	10.8	mg/kg	0.25
SS-2	10	SS-2-10	6/28/2012	7782-49-2	Selenium	ND	mg/kg	0.75
SS-2	10	SS-2-10	6/28/2012	7440-22-4	Silver	ND	mg/kg	0.25
SS-2	10	SS-2-10	6/28/2012	7440-28-0	Thallium	ND	mg/kg	0.75
SS-2	10	SS-2-10	6/28/2012	7440-62-2	Vanadium	31.1	mg/kg	0.25
SS-2	10	SS-2-10	6/28/2012	7440-66-6	Zinc	753	mg/kg	1
SS-2	10	SS-2-10	6/28/2012	18540-29-9	Chromium, Hexavalent	960	µg/kg	400
SS-3	5	SS-3-5	6/28/2012	18540-29-9	Chromium, Hexavalent	ND	µg/kg	400
SS-3	10	SS-3-10	6/28/2012	7439-97-6	Mercury	ND	mg/kg	0.0835
SS-3	10	SS-3-10	6/28/2012	7440-36-0	Antimony	ND	mg/kg	0.75
SS-3	10	SS-3-10	6/28/2012	7440-38-2	Arsenic	6.83	mg/kg	0.75
SS-3	10	SS-3-10	6/28/2012	7440-39-3	Barium	168	mg/kg	0.5
SS-3	10	SS-3-10	6/28/2012	7440-41-7	Beryllium	0.387	mg/kg	0.25
SS-3	10	SS-3-10	6/28/2012	7440-43-9	Cadmium	ND	mg/kg	0.5
SS-3	10	SS-3-10	6/28/2012	7440-47-3	Chromium	22.6	mg/kg	0.25
SS-3	10	SS-3-10	6/28/2012	7440-48-4	Cobalt	14.2	mg/kg	0.25
SS-3	10	SS-3-10	6/28/2012	7440-50-8	Copper	23.9	mg/kg	0.5
SS-3	10	SS-3-10	6/28/2012	7439-92-1	Lead	1.89	mg/kg	0.5
SS-3	10	SS-3-10	6/28/2012	7439-98-7	Molybdenum	ND	mg/kg	0.25
SS-3	10	SS-3-10	6/28/2012	7440-02-0	Nickel	17.6	mg/kg	0.25
SS-3	10	SS-3-10	6/28/2012	7782-49-2	Selenium	ND	mg/kg	0.75
SS-3	10	SS-3-10	6/28/2012	7440-22-4	Silver	ND	mg/kg	0.25
SS-3	10	SS-3-10	6/28/2012	7440-28-0	Thallium	ND	mg/kg	0.75
SS-3	10	SS-3-10	6/28/2012	7440-62-2	Vanadium	44.5	mg/kg	0.25
SS-3	10	SS-3-10	6/28/2012	7440-66-6	Zinc	63.8	mg/kg	1
SS-3	10	SS-3-10	6/28/2012	18540-29-9	Chromium, Hexavalent	ND	µg/kg	400
SS-4	5	SS-4-5	6/28/2012	18540-29-9	Chromium, Hexavalent	ND	µg/kg	400
SS-4	10	SS-4-10	6/28/2012	18540-29-9	Chromium, Hexavalent	ND	µg/kg	400
SS-5	5	SS-5-5	6/28/2012	18540-29-9	Chromium, Hexavalent	1300	µg/kg	400
SS-5	10	SS-5-10	6/28/2012	18540-29-9	Chromium, Hexavalent	ND	µg/kg	400
SS-6	10	SS-6-10	6/28/2012	7439-97-6	Mercury	ND	mg/kg	0.0835
SS-6	10	SS-6-10	6/28/2012	7440-36-0	Antimony	ND	mg/kg	0.75
SS-6	10	SS-6-10	6/28/2012	7440-38-2	Arsenic	6.59	mg/kg	0.75
SS-6	10	SS-6-10	6/28/2012	7440-39-3	Barium	166	mg/kg	0.5
SS-6	10	SS-6-10	6/28/2012	7440-41-7	Beryllium	0.337	mg/kg	0.25
SS-6	10	SS-6-10	6/28/2012	7440-43-9	Cadmium	ND	mg/kg	0.5

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
SS-6	10	SS-6-10	6/28/2012	7440-47-3	Chromium	19	mg/kg	0.25
SS-6	10	SS-6-10	6/28/2012	7440-48-4	Cobalt	12.5	mg/kg	0.25
SS-6	10	SS-6-10	6/28/2012	7440-50-8	Copper	21.2	mg/kg	0.5
SS-6	10	SS-6-10	6/28/2012	7439-92-1	Lead	1.7	mg/kg	0.5
SS-6	10	SS-6-10	6/28/2012	7439-98-7	Molybdenum	ND	mg/kg	0.25
SS-6	10	SS-6-10	6/28/2012	7440-02-0	Nickel	15.1	mg/kg	0.25
SS-6	10	SS-6-10	6/28/2012	7782-49-2	Selenium	ND	mg/kg	0.75
SS-6	10	SS-6-10	6/28/2012	7440-22-4	Silver	ND	mg/kg	0.25
SS-6	10	SS-6-10	6/28/2012	7440-28-0	Thallium	ND	mg/kg	0.75
SS-6	10	SS-6-10	6/28/2012	7440-62-2	Vanadium	37.8	mg/kg	0.25
SS-6	10	SS-6-10	6/28/2012	7440-66-6	Zinc	55	mg/kg	1
SS-6	10	SS-6-10	6/28/2012	18540-29-9	Chromium, Hexavalent	ND	µg/kg	400

Sample Name	Sample Date	Analytical Method	CAS Number	Analyte	Result	Unit	Detection Limit	Lab Qualifier
A1-16'	5/6/2016	EPA 8260B	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/m ³	8	
A1-16'	5/6/2016	EPA 8260B	71-55-6	1,1,1-Trichloroethane	203	µg/m ³	8	
A1-16'	5/6/2016	EPA 8260B	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/m ³	8	
A1-16'	5/6/2016	EPA 8260B	79-00-5	1,1,2-Trichloroethane	ND	µg/m ³	8	
A1-16'	5/6/2016	EPA 8260B	75-34-3	1,1-Dichloroethane	ND	µg/m ³	8	
A1-16'	5/6/2016	EPA 8260B	75-35-4	1,1-Dichloroethene	ND	µg/m ³	8	
A1-16'	5/6/2016	EPA 8260B	563-58-6	1,1-Dichloropropene	ND	µg/m ³	8	
A1-16'	5/6/2016	EPA 8260B	87-61-6	1,2,3-Trichlorobenzene	ND	µg/m ³	8	
A1-16'	5/6/2016	EPA 8260B	96-18-4	1,2,3-Trichloropropane	ND	µg/m ³	8	
A1-16'	5/6/2016	EPA 8260B	120-82-1	1,2,4-Trichlorobenzene	ND	µg/m ³	8	
A1-16'	5/6/2016	EPA 8260B	95-63-6	1,2,4-Trimethylbenzene	288	µg/m ³	8	
A1-16'	5/6/2016	EPA 8260B	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/m ³	8	
A1-16'	5/6/2016	EPA 8260B	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/m ³	8	
A1-16'	5/6/2016	EPA 8260B	95-50-1	1,2-Dichlorobenzene	ND	µg/m ³	8	
A1-16'	5/6/2016	EPA 8260B	107-06-2	1,2-Dichloroethane	ND	µg/m ³	8	
A1-16'	5/6/2016	EPA 8260B	78-87-5	1,2-Dichloropropane	ND	µg/m ³	8	
A1-16'	5/6/2016	EPA 8260B	108-67-8	1,3,5-Trimethylbenzene	144	µg/m ³	8	
A1-16'	5/6/2016	EPA 8260B	541-73-1	1,3-Dichlorobenzene	ND	µg/m ³	8	
A1-16'	5/6/2016	EPA 8260B	142-28-9	1,3-Dichloropropane	ND	µg/m ³	8	
A1-16'	5/6/2016	EPA 8260B	106-46-7	1,4-Dichlorobenzene	ND	µg/m ³	8	
A1-16'	5/6/2016	EPA 8260B	594-20-7	2,2-Dichloropropane	ND	µg/m ³	8	
A1-16'	5/6/2016	EPA 8260B	95-49-8	2-Chlorotoluene	ND	µg/m ³	8	
A1-16'	5/6/2016	EPA 8260B	106-43-4	4-Chlorotoluene	ND	µg/m ³	8	
A1-16'	5/6/2016	EPA 8260B	99-87-6	4-Isopropyltoluene	51.8	µg/m ³	8	
A1-16'	5/6/2016	EPA 8260B	71-43-2	Benzene	ND	µg/m ³	8	
A1-16'	5/6/2016	EPA 8260B	108-86-1	Bromobenzene	ND	µg/m ³	8	
A1-16'	5/6/2016	EPA 8260B	75-27-4	Bromodichloromethane	ND	µg/m ³	8	
A1-16'	5/6/2016	EPA 8260B	75-25-2	Bromoform	ND	µg/m ³	8	
A1-16'	5/6/2016	EPA 8260B	56-23-5	Carbon Tetrachloride	ND	µg/m ³	8	
A1-16'	5/6/2016	EPA 8260B	108-90-7	Chlorobenzene	ND	µg/m ³	8	
A1-16'	5/6/2016	EPA 8260B	67-66-3	Chloroform	ND	µg/m ³	8	
A1-16'	5/6/2016	EPA 8260B	156-59-2	cis-1,2-Dichloroethene	ND	µg/m ³	8	
A1-16'	5/6/2016	EPA 8260B	10061-01-5	cis-1,3-Dichloropropene	ND	µg/m ³	8	
A1-16'	5/6/2016	EPA 8260B	124-48-1	Dibromochloromethane	ND	µg/m ³	8	
A1-16'	5/6/2016	EPA 8260B	74-95-3	Dibromomethane	ND	µg/m ³	8	
A1-16'	5/6/2016	EPA 8260B	75-71-8	Dichlorodifluoromethane	110	µg/m ³	8	
A1-16'	5/6/2016	EPA 8260B	108-20-3	Di-isopropylether (DIPE)	ND	µg/m ³	40	
A1-16'	5/6/2016	EPA 8260B	100-41-4	Ethylbenzene	84.2	µg/m ³	8	
A1-16'	5/6/2016	EPA 8260B	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/m ³	40	
A1-16'	5/6/2016	EPA 8260B	76-13-1	Freon 113	ND	µg/m ³	40	
A1-16'	5/6/2016	EPA 8260B	87-68-3	Hexachlorobutadiene	ND	µg/m ³	8	
A1-16'	5/6/2016	EPA 8260B	98-82-8	Isopropylbenzene	ND	µg/m ³	8	
A1-16'	5/6/2016	EPA 8260B	75-09-2	Methylene Chloride	ND	µg/m ³	8	
A1-16'	5/6/2016	EPA 8260B	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/m ³	40	
A1-16'	5/6/2016	EPA 8260B	91-20-3	Naphthalene	ND	µg/m ³	8	
A1-16'	5/6/2016	EPA 8260B	104-51-8	n-Butylbenzene	11	µg/m ³	8	
A1-16'	5/6/2016	EPA 8260B	109-66-0	n-Pentane	ND	µg/m ³	8	
A1-16'	5/6/2016	EPA 8260B	103-65-1	n-Propylbenzene	16.2	µg/m ³	8	
A1-16'	5/6/2016	EPA 8260B	135-98-8	sec-Butylbenzene	ND	µg/m ³	8	
A1-16'	5/6/2016	EPA 8260B	100-42-5	Styrene	ND	µg/m ³	8	
A1-16'	5/6/2016	EPA 8260B	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/m ³	400	
A1-16'	5/6/2016	EPA 8260B	994-05-8	Tert-amylmethylether (TAME)	ND	µg/m ³	40	
A1-16'	5/6/2016	EPA 8260B	98-06-6	tert-Butylbenzene	ND	µg/m ³	8	

Sample Name	Sample Date	Analytical Method	CAS Number	Analyte	Result	Unit	Detection Limit	Lab Qualifier
A1-16'	5/6/2016	EPA 8260B	127-18-4	Tetrachloroethylene	9860	µg/m ³	8	
A1-16'	5/6/2016	EPA 8260B	108-88-3	Toluene	281	µg/m ³	8	
A1-16'	5/6/2016	EPA 8260B	156-60-5	trans-1,2-Dichloroethene	ND	µg/m ³	8	
A1-16'	5/6/2016	EPA 8260B	10061-02-6	trans-1,3-Dichloropropene	ND	µg/m ³	8	
A1-16'	5/6/2016	EPA 8260B	79-01-6	Trichloroethylene	143	µg/m ³	8	
A1-16'	5/6/2016	EPA 8260B	75-69-4	Trichlorofluoromethane	ND	µg/m ³	8	
A1-16'	5/6/2016	EPA 8260B	75-01-4	Vinyl Chloride	ND	µg/m ³	8	
A1-16'	5/6/2016	EPA 8260B	1330-20-7	Xylenes	550	µg/m ³	8	
A2-16'	5/6/2016	EPA 8260B	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/m ³	8	
A2-16'	5/6/2016	EPA 8260B	71-55-6	1,1,1-Trichloroethane	182	µg/m ³	8	
A2-16'	5/6/2016	EPA 8260B	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/m ³	8	
A2-16'	5/6/2016	EPA 8260B	79-00-5	1,1,2-Trichloroethane	ND	µg/m ³	8	
A2-16'	5/6/2016	EPA 8260B	75-34-3	1,1-Dichloroethane	ND	µg/m ³	8	
A2-16'	5/6/2016	EPA 8260B	75-35-4	1,1-Dichloroethene	ND	µg/m ³	8	
A2-16'	5/6/2016	EPA 8260B	563-58-6	1,1-Dichloropropene	ND	µg/m ³	8	
A2-16'	5/6/2016	EPA 8260B	87-61-6	1,2,3-Trichlorobenzene	ND	µg/m ³	8	
A2-16'	5/6/2016	EPA 8260B	96-18-4	1,2,3-Trichloropropane	ND	µg/m ³	8	
A2-16'	5/6/2016	EPA 8260B	120-82-1	1,2,4-Trichlorobenzene	ND	µg/m ³	8	
A2-16'	5/6/2016	EPA 8260B	95-63-6	1,2,4-Trimethylbenzene	329	µg/m ³	8	
A2-16'	5/6/2016	EPA 8260B	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/m ³	8	
A2-16'	5/6/2016	EPA 8260B	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/m ³	8	
A2-16'	5/6/2016	EPA 8260B	95-50-1	1,2-Dichlorobenzene	ND	µg/m ³	8	
A2-16'	5/6/2016	EPA 8260B	107-06-2	1,2-Dichloroethane	ND	µg/m ³	8	
A2-16'	5/6/2016	EPA 8260B	78-87-5	1,2-Dichloropropane	ND	µg/m ³	8	
A2-16'	5/6/2016	EPA 8260B	108-67-8	1,3,5-Trimethylbenzene	174	µg/m ³	8	
A2-16'	5/6/2016	EPA 8260B	541-73-1	1,3-Dichlorobenzene	ND	µg/m ³	8	
A2-16'	5/6/2016	EPA 8260B	142-28-9	1,3-Dichloropropane	ND	µg/m ³	8	
A2-16'	5/6/2016	EPA 8260B	106-46-7	1,4-Dichlorobenzene	ND	µg/m ³	8	
A2-16'	5/6/2016	EPA 8260B	594-20-7	2,2-Dichloropropane	ND	µg/m ³	8	
A2-16'	5/6/2016	EPA 8260B	95-49-8	2-Chlorotoluene	ND	µg/m ³	8	
A2-16'	5/6/2016	EPA 8260B	106-43-4	4-Chlorotoluene	ND	µg/m ³	8	
A2-16'	5/6/2016	EPA 8260B	99-87-6	4-Isopropyltoluene	50	µg/m ³	8	
A2-16'	5/6/2016	EPA 8260B	71-43-2	Benzene	ND	µg/m ³	8	
A2-16'	5/6/2016	EPA 8260B	108-86-1	Bromobenzene	ND	µg/m ³	8	
A2-16'	5/6/2016	EPA 8260B	75-27-4	Bromodichloromethane	ND	µg/m ³	8	
A2-16'	5/6/2016	EPA 8260B	75-25-2	Bromoform	ND	µg/m ³	8	
A2-16'	5/6/2016	EPA 8260B	56-23-5	Carbon Tetrachloride	ND	µg/m ³	8	
A2-16'	5/6/2016	EPA 8260B	108-90-7	Chlorobenzene	ND	µg/m ³	8	
A2-16'	5/6/2016	EPA 8260B	67-66-3	Chloroform	ND	µg/m ³	8	
A2-16'	5/6/2016	EPA 8260B	156-59-2	cis-1,2-Dichloroethene	ND	µg/m ³	8	
A2-16'	5/6/2016	EPA 8260B	10061-01-5	cis-1,3-Dichloropropene	ND	µg/m ³	8	
A2-16'	5/6/2016	EPA 8260B	124-48-1	Dibromochloromethane	ND	µg/m ³	8	
A2-16'	5/6/2016	EPA 8260B	74-95-3	Dibromomethane	ND	µg/m ³	8	
A2-16'	5/6/2016	EPA 8260B	75-71-8	Dichlorodifluoromethane	111	µg/m ³	8	
A2-16'	5/6/2016	EPA 8260B	108-20-3	Di-isopropylether (DIPE)	ND	µg/m ³	40	
A2-16'	5/6/2016	EPA 8260B	100-41-4	Ethylbenzene	85.8	µg/m ³	8	
A2-16'	5/6/2016	EPA 8260B	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/m ³	40	
A2-16'	5/6/2016	EPA 8260B	76-13-1	Freon 113	ND	µg/m ³	40	
A2-16'	5/6/2016	EPA 8260B	87-68-3	Hexachlorobutadiene	ND	µg/m ³	8	
A2-16'	5/6/2016	EPA 8260B	98-82-8	Isopropylbenzene	ND	µg/m ³	8	
A2-16'	5/6/2016	EPA 8260B	75-09-2	Methylene Chloride	ND	µg/m ³	8	
A2-16'	5/6/2016	EPA 8260B	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/m ³	40	
A2-16'	5/6/2016	EPA 8260B	91-20-3	Naphthalene	ND	µg/m ³	8	

Sample Name	Sample Date	Analytical Method	CAS Number	Analyte	Result	Unit	Detection Limit	Lab Qualifier
A2-16'	5/6/2016	EPA 8260B	104-51-8	n-Butylbenzene	ND	µg/m ³	8	
A2-16'	5/6/2016	EPA 8260B	109-66-0	n-Pentane	ND	µg/m ³	8	
A2-16'	5/6/2016	EPA 8260B	103-65-1	n-Propylbenzene	16.4	µg/m ³	8	
A2-16'	5/6/2016	EPA 8260B	135-98-8	sec-Butylbenzene	ND	µg/m ³	8	
A2-16'	5/6/2016	EPA 8260B	100-42-5	Styrene	ND	µg/m ³	8	
A2-16'	5/6/2016	EPA 8260B	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/m ³	400	
A2-16'	5/6/2016	EPA 8260B	994-05-8	Tert-amylmethylether (TAME)	ND	µg/m ³	40	
A2-16'	5/6/2016	EPA 8260B	98-06-6	tert-Butylbenzene	ND	µg/m ³	8	
A2-16'	5/6/2016	EPA 8260B	127-18-4	Tetrachloroethylene	6680	µg/m ³	8	
A2-16'	5/6/2016	EPA 8260B	108-88-3	Toluene	244	µg/m ³	8	
A2-16'	5/6/2016	EPA 8260B	156-60-5	trans-1,2-Dichloroethene	ND	µg/m ³	8	
A2-16'	5/6/2016	EPA 8260B	10061-02-6	trans-1,3-Dichloropropene	ND	µg/m ³	8	
A2-16'	5/6/2016	EPA 8260B	79-01-6	Trichloroethylene	110	µg/m ³	8	
A2-16'	5/6/2016	EPA 8260B	75-69-4	Trichlorofluoromethane	ND	µg/m ³	8	
A2-16'	5/6/2016	EPA 8260B	75-01-4	Vinyl Chloride	ND	µg/m ³	8	
A2-16'	5/6/2016	EPA 8260B	1330-20-7	Xylenes	590	µg/m ³	8	
A3-20.5'	5/6/2016	EPA 8260B	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/m ³	8	
A3-20.5'	5/6/2016	EPA 8260B	71-55-6	1,1,1-Trichloroethane	ND	µg/m ³	8	
A3-20.5'	5/6/2016	EPA 8260B	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/m ³	8	
A3-20.5'	5/6/2016	EPA 8260B	79-00-5	1,1,2-Trichloroethane	ND	µg/m ³	8	
A3-20.5'	5/6/2016	EPA 8260B	75-34-3	1,1-Dichloroethane	ND	µg/m ³	8	
A3-20.5'	5/6/2016	EPA 8260B	75-35-4	1,1-Dichloroethene	ND	µg/m ³	8	
A3-20.5'	5/6/2016	EPA 8260B	563-58-6	1,1-Dichloropropene	ND	µg/m ³	8	
A3-20.5'	5/6/2016	EPA 8260B	87-61-6	1,2,3-Trichlorobenzene	ND	µg/m ³	8	
A3-20.5'	5/6/2016	EPA 8260B	96-18-4	1,2,3-Trichloropropane	ND	µg/m ³	8	
A3-20.5'	5/6/2016	EPA 8260B	120-82-1	1,2,4-Trichlorobenzene	ND	µg/m ³	8	
A3-20.5'	5/6/2016	EPA 8260B	95-63-6	1,2,4-Trimethylbenzene	ND	µg/m ³	8	
A3-20.5'	5/6/2016	EPA 8260B	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/m ³	8	
A3-20.5'	5/6/2016	EPA 8260B	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/m ³	8	
A3-20.5'	5/6/2016	EPA 8260B	95-50-1	1,2-Dichlorobenzene	ND	µg/m ³	8	
A3-20.5'	5/6/2016	EPA 8260B	107-06-2	1,2-Dichloroethane	ND	µg/m ³	8	
A3-20.5'	5/6/2016	EPA 8260B	78-87-5	1,2-Dichloropropane	ND	µg/m ³	8	
A3-20.5'	5/6/2016	EPA 8260B	108-67-8	1,3,5-Trimethylbenzene	ND	µg/m ³	8	
A3-20.5'	5/6/2016	EPA 8260B	541-73-1	1,3-Dichlorobenzene	ND	µg/m ³	8	
A3-20.5'	5/6/2016	EPA 8260B	142-28-9	1,3-Dichloropropane	ND	µg/m ³	8	
A3-20.5'	5/6/2016	EPA 8260B	106-46-7	1,4-Dichlorobenzene	ND	µg/m ³	8	
A3-20.5'	5/6/2016	EPA 8260B	594-20-7	2,2-Dichloropropane	ND	µg/m ³	8	
A3-20.5'	5/6/2016	EPA 8260B	95-49-8	2-Chlorotoluene	ND	µg/m ³	8	
A3-20.5'	5/6/2016	EPA 8260B	106-43-4	4-Chlorotoluene	ND	µg/m ³	8	
A3-20.5'	5/6/2016	EPA 8260B	99-87-6	4-Isopropyltoluene	ND	µg/m ³	8	
A3-20.5'	5/6/2016	EPA 8260B	71-43-2	Benzene	ND	µg/m ³	8	
A3-20.5'	5/6/2016	EPA 8260B	108-86-1	Bromobenzene	ND	µg/m ³	8	
A3-20.5'	5/6/2016	EPA 8260B	75-27-4	Bromodichloromethane	ND	µg/m ³	8	
A3-20.5'	5/6/2016	EPA 8260B	75-25-2	Bromoform	ND	µg/m ³	8	
A3-20.5'	5/6/2016	EPA 8260B	56-23-5	Carbon Tetrachloride	ND	µg/m ³	8	
A3-20.5'	5/6/2016	EPA 8260B	108-90-7	Chlorobenzene	ND	µg/m ³	8	
A3-20.5'	5/6/2016	EPA 8260B	67-66-3	Chloroform	ND	µg/m ³	8	
A3-20.5'	5/6/2016	EPA 8260B	156-59-2	cis-1,2-Dichloroethene	ND	µg/m ³	8	
A3-20.5'	5/6/2016	EPA 8260B	10061-01-5	cis-1,3-Dichloropropene	ND	µg/m ³	8	
A3-20.5'	5/6/2016	EPA 8260B	124-48-1	Dibromochloromethane	ND	µg/m ³	8	
A3-20.5'	5/6/2016	EPA 8260B	74-95-3	Dibromomethane	ND	µg/m ³	8	
A3-20.5'	5/6/2016	EPA 8260B	75-71-8	Dichlorodifluoromethane	109	µg/m ³	8	
A3-20.5'	5/6/2016	EPA 8260B	108-20-3	Di-isopropylether (DIPE)	ND	µg/m ³	40	

Sample Name	Sample Date	Analytical Method	CAS Number	Analyte	Result	Unit	Detection Limit	Lab Qualifier
A3-20.5'	5/6/2016	EPA 8260B	100-41-4	Ethylbenzene	ND	µg/m ³	8	
A3-20.5'	5/6/2016	EPA 8260B	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/m ³	40	
A3-20.5'	5/6/2016	EPA 8260B	76-13-1	Freon 113	ND	µg/m ³	40	
A3-20.5'	5/6/2016	EPA 8260B	87-68-3	Hexachlorobutadiene	ND	µg/m ³	8	
A3-20.5'	5/6/2016	EPA 8260B	98-82-8	Isopropylbenzene	ND	µg/m ³	8	
A3-20.5'	5/6/2016	EPA 8260B	75-09-2	Methylene Chloride	ND	µg/m ³	8	
A3-20.5'	5/6/2016	EPA 8260B	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/m ³	40	
A3-20.5'	5/6/2016	EPA 8260B	91-20-3	Naphthalene	ND	µg/m ³	8	
A3-20.5'	5/6/2016	EPA 8260B	104-51-8	n-Butylbenzene	ND	µg/m ³	8	
A3-20.5'	5/6/2016	EPA 8260B	109-66-0	n-Pentane	ND	µg/m ³	8	
A3-20.5'	5/6/2016	EPA 8260B	103-65-1	n-Propylbenzene	ND	µg/m ³	8	
A3-20.5'	5/6/2016	EPA 8260B	135-98-8	sec-Butylbenzene	ND	µg/m ³	8	
A3-20.5'	5/6/2016	EPA 8260B	100-42-5	Styrene	ND	µg/m ³	8	
A3-20.5'	5/6/2016	EPA 8260B	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/m ³	400	
A3-20.5'	5/6/2016	EPA 8260B	994-05-8	Tert-amylmethylether (TAME)	ND	µg/m ³	40	
A3-20.5'	5/6/2016	EPA 8260B	98-06-6	tert-Butylbenzene	ND	µg/m ³	8	
A3-20.5'	5/6/2016	EPA 8260B	127-18-4	Tetrachloroethylene	56500	µg/m ³	80	D
A3-20.5'	5/6/2016	EPA 8260B	108-88-3	Toluene	15	µg/m ³	8	
A3-20.5'	5/6/2016	EPA 8260B	156-60-5	trans-1,2-Dichloroethene	ND	µg/m ³	8	
A3-20.5'	5/6/2016	EPA 8260B	10061-02-6	trans-1,3-Dichloropropene	ND	µg/m ³	8	
A3-20.5'	5/6/2016	EPA 8260B	79-01-6	Trichloroethylene	59.8	µg/m ³	8	
A3-20.5'	5/6/2016	EPA 8260B	75-69-4	Trichlorofluoromethane	ND	µg/m ³	8	
A3-20.5'	5/6/2016	EPA 8260B	75-01-4	Vinyl Chloride	ND	µg/m ³	8	
A3-20.5'	5/6/2016	EPA 8260B	1330-20-7	Xylenes	ND	µg/m ³	8	
A4-20.5'	5/6/2016	EPA 8260B	630-20-6	1,1,1,2-Tetrachloroethane	243	µg/m ³	8	
A4-20.5'	5/6/2016	EPA 8260B	71-55-6	1,1,1-Trichloroethane	ND	µg/m ³	8	
A4-20.5'	5/6/2016	EPA 8260B	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/m ³	8	
A4-20.5'	5/6/2016	EPA 8260B	79-00-5	1,1,2-Trichloroethane	ND	µg/m ³	8	
A4-20.5'	5/6/2016	EPA 8260B	75-34-3	1,1-Dichloroethane	ND	µg/m ³	8	
A4-20.5'	5/6/2016	EPA 8260B	75-35-4	1,1-Dichloroethene	ND	µg/m ³	8	
A4-20.5'	5/6/2016	EPA 8260B	563-58-6	1,1-Dichloropropene	ND	µg/m ³	8	
A4-20.5'	5/6/2016	EPA 8260B	87-61-6	1,2,3-Trichlorobenzene	ND	µg/m ³	8	
A4-20.5'	5/6/2016	EPA 8260B	96-18-4	1,2,3-Trichloropropane	ND	µg/m ³	8	
A4-20.5'	5/6/2016	EPA 8260B	120-82-1	1,2,4-Trichlorobenzene	ND	µg/m ³	8	
A4-20.5'	5/6/2016	EPA 8260B	95-63-6	1,2,4-Trimethylbenzene	11	µg/m ³	8	
A4-20.5'	5/6/2016	EPA 8260B	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/m ³	8	
A4-20.5'	5/6/2016	EPA 8260B	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/m ³	8	
A4-20.5'	5/6/2016	EPA 8260B	95-50-1	1,2-Dichlorobenzene	ND	µg/m ³	8	
A4-20.5'	5/6/2016	EPA 8260B	107-06-2	1,2-Dichloroethane	ND	µg/m ³	8	
A4-20.5'	5/6/2016	EPA 8260B	78-87-5	1,2-Dichloropropane	ND	µg/m ³	8	
A4-20.5'	5/6/2016	EPA 8260B	108-67-8	1,3,5-Trimethylbenzene	ND	µg/m ³	8	
A4-20.5'	5/6/2016	EPA 8260B	541-73-1	1,3-Dichlorobenzene	ND	µg/m ³	8	
A4-20.5'	5/6/2016	EPA 8260B	142-28-9	1,3-Dichloropropane	ND	µg/m ³	8	
A4-20.5'	5/6/2016	EPA 8260B	106-46-7	1,4-Dichlorobenzene	ND	µg/m ³	8	
A4-20.5'	5/6/2016	EPA 8260B	594-20-7	2,2-Dichloropropane	ND	µg/m ³	8	
A4-20.5'	5/6/2016	EPA 8260B	95-49-8	2-Chlorotoluene	ND	µg/m ³	8	
A4-20.5'	5/6/2016	EPA 8260B	106-43-4	4-Chlorotoluene	ND	µg/m ³	8	
A4-20.5'	5/6/2016	EPA 8260B	99-87-6	4-Isopropyltoluene	18.8	µg/m ³	8	
A4-20.5'	5/6/2016	EPA 8260B	71-43-2	Benzene	ND	µg/m ³	8	
A4-20.5'	5/6/2016	EPA 8260B	108-86-1	Bromobenzene	ND	µg/m ³	8	
A4-20.5'	5/6/2016	EPA 8260B	75-27-4	Bromodichloromethane	ND	µg/m ³	8	
A4-20.5'	5/6/2016	EPA 8260B	75-25-2	Bromoform	ND	µg/m ³	8	
A4-20.5'	5/6/2016	EPA 8260B	56-23-5	Carbon Tetrachloride	ND	µg/m ³	8	

Sample Name	Sample Date	Analytical Method	CAS Number	Analyte	Result	Unit	Detection Limit	Lab Qualifier
A4-20.5'	5/6/2016	EPA 8260B	108-90-7	Chlorobenzene	ND	µg/m ³	8	
A4-20.5'	5/6/2016	EPA 8260B	67-66-3	Chloroform	47.4	µg/m ³	8	
A4-20.5'	5/6/2016	EPA 8260B	156-59-2	cis-1,2-Dichloroethene	ND	µg/m ³	8	
A4-20.5'	5/6/2016	EPA 8260B	10061-01-5	cis-1,3-Dichloropropene	ND	µg/m ³	8	
A4-20.5'	5/6/2016	EPA 8260B	124-48-1	Dibromochloromethane	ND	µg/m ³	8	
A4-20.5'	5/6/2016	EPA 8260B	74-95-3	Dibromomethane	ND	µg/m ³	8	
A4-20.5'	5/6/2016	EPA 8260B	75-71-8	Dichlorodifluoromethane	191	µg/m ³	8	
A4-20.5'	5/6/2016	EPA 8260B	108-20-3	Di-isopropylether (DIPE)	ND	µg/m ³	40	
A4-20.5'	5/6/2016	EPA 8260B	100-41-4	Ethylbenzene	ND	µg/m ³	8	
A4-20.5'	5/6/2016	EPA 8260B	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/m ³	40	
A4-20.5'	5/6/2016	EPA 8260B	76-13-1	Freon 113	ND	µg/m ³	40	
A4-20.5'	5/6/2016	EPA 8260B	87-68-3	Hexachlorobutadiene	ND	µg/m ³	8	
A4-20.5'	5/6/2016	EPA 8260B	98-82-8	Isopropylbenzene	ND	µg/m ³	8	
A4-20.5'	5/6/2016	EPA 8260B	75-09-2	Methylene Chloride	ND	µg/m ³	8	
A4-20.5'	5/6/2016	EPA 8260B	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/m ³	40	
A4-20.5'	5/6/2016	EPA 8260B	91-20-3	Naphthalene	ND	µg/m ³	8	
A4-20.5'	5/6/2016	EPA 8260B	104-51-8	n-Butylbenzene	ND	µg/m ³	8	
A4-20.5'	5/6/2016	EPA 8260B	109-66-0	n-Pentane	ND	µg/m ³	8	
A4-20.5'	5/6/2016	EPA 8260B	103-65-1	n-Propylbenzene	ND	µg/m ³	8	
A4-20.5'	5/6/2016	EPA 8260B	135-98-8	sec-Butylbenzene	ND	µg/m ³	8	
A4-20.5'	5/6/2016	EPA 8260B	100-42-5	Styrene	ND	µg/m ³	8	
A4-20.5'	5/6/2016	EPA 8260B	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/m ³	400	
A4-20.5'	5/6/2016	EPA 8260B	994-05-8	Tert-amylmethylether (TAME)	ND	µg/m ³	40	
A4-20.5'	5/6/2016	EPA 8260B	98-06-6	tert-Butylbenzene	ND	µg/m ³	8	
A4-20.5'	5/6/2016	EPA 8260B	127-18-4	Tetrachloroethylene	1080000	µg/m ³	2000	D
A4-20.5'	5/6/2016	EPA 8260B	108-88-3	Toluene	9.4	µg/m ³	8	
A4-20.5'	5/6/2016	EPA 8260B	156-60-5	trans-1,2-Dichloroethene	ND	µg/m ³	8	
A4-20.5'	5/6/2016	EPA 8260B	10061-02-6	trans-1,3-Dichloropropene	ND	µg/m ³	8	
A4-20.5'	5/6/2016	EPA 8260B	79-01-6	Trichloroethylene	4350	µg/m ³	8	
A4-20.5'	5/6/2016	EPA 8260B	75-69-4	Trichlorofluoromethane	ND	µg/m ³	8	
A4-20.5'	5/6/2016	EPA 8260B	75-01-4	Vinyl Chloride	ND	µg/m ³	8	
A4-20.5'	5/6/2016	EPA 8260B	1330-20-7	Xylenes	8	µg/m ³	8	
A5-20.5'	5/6/2016	EPA 8260B	630-20-6	1,1,1,2-Tetrachloroethane	847	µg/m ³	8	
A5-20.5'	5/6/2016	EPA 8260B	71-55-6	1,1,1-Trichloroethane	26.6	µg/m ³	8	
A5-20.5'	5/6/2016	EPA 8260B	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/m ³	8	
A5-20.5'	5/6/2016	EPA 8260B	79-00-5	1,1,2-Trichloroethane	ND	µg/m ³	8	
A5-20.5'	5/6/2016	EPA 8260B	75-34-3	1,1-Dichloroethane	ND	µg/m ³	8	
A5-20.5'	5/6/2016	EPA 8260B	75-35-4	1,1-Dichloroethene	ND	µg/m ³	8	
A5-20.5'	5/6/2016	EPA 8260B	563-58-6	1,1-Dichloropropene	ND	µg/m ³	8	
A5-20.5'	5/6/2016	EPA 8260B	87-61-6	1,2,3-Trichlorobenzene	ND	µg/m ³	8	
A5-20.5'	5/6/2016	EPA 8260B	96-18-4	1,2,3-Trichloropropane	ND	µg/m ³	8	
A5-20.5'	5/6/2016	EPA 8260B	120-82-1	1,2,4-Trichlorobenzene	ND	µg/m ³	8	
A5-20.5'	5/6/2016	EPA 8260B	95-63-6	1,2,4-Trimethylbenzene	ND	µg/m ³	8	
A5-20.5'	5/6/2016	EPA 8260B	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/m ³	8	
A5-20.5'	5/6/2016	EPA 8260B	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/m ³	8	
A5-20.5'	5/6/2016	EPA 8260B	95-50-1	1,2-Dichlorobenzene	ND	µg/m ³	8	
A5-20.5'	5/6/2016	EPA 8260B	107-06-2	1,2-Dichloroethane	ND	µg/m ³	8	
A5-20.5'	5/6/2016	EPA 8260B	78-87-5	1,2-Dichloropropane	ND	µg/m ³	8	
A5-20.5'	5/6/2016	EPA 8260B	108-67-8	1,3,5-Trimethylbenzene	ND	µg/m ³	8	
A5-20.5'	5/6/2016	EPA 8260B	541-73-1	1,3-Dichlorobenzene	ND	µg/m ³	8	
A5-20.5'	5/6/2016	EPA 8260B	142-28-9	1,3-Dichloropropane	ND	µg/m ³	8	
A5-20.5'	5/6/2016	EPA 8260B	106-46-7	1,4-Dichlorobenzene	ND	µg/m ³	8	
A5-20.5'	5/6/2016	EPA 8260B	594-20-7	2,2-Dichloropropane	ND	µg/m ³	8	

Sample Name	Sample Date	Analytical Method	CAS Number	Analyte	Result	Unit	Detection Limit	Lab Qualifier
A5-20.5'	5/6/2016	EPA 8260B	95-49-8	2-Chlorotoluene	ND	µg/m ³	8	
A5-20.5'	5/6/2016	EPA 8260B	106-43-4	4-Chlorotoluene	ND	µg/m ³	8	
A5-20.5'	5/6/2016	EPA 8260B	99-87-6	4-Isopropyltoluene	ND	µg/m ³	8	
A5-20.5'	5/6/2016	EPA 8260B	71-43-2	Benzene	20.2	µg/m ³	8	
A5-20.5'	5/6/2016	EPA 8260B	108-86-1	Bromobenzene	ND	µg/m ³	8	
A5-20.5'	5/6/2016	EPA 8260B	75-27-4	Bromodichloromethane	ND	µg/m ³	8	
A5-20.5'	5/6/2016	EPA 8260B	75-25-2	Bromoform	ND	µg/m ³	8	
A5-20.5'	5/6/2016	EPA 8260B	56-23-5	Carbon Tetrachloride	ND	µg/m ³	8	
A5-20.5'	5/6/2016	EPA 8260B	108-90-7	Chlorobenzene	9	µg/m ³	8	
A5-20.5'	5/6/2016	EPA 8260B	67-66-3	Chloroform	121	µg/m ³	8	
A5-20.5'	5/6/2016	EPA 8260B	156-59-2	cis-1,2-Dichloroethene	ND	µg/m ³	8	
A5-20.5'	5/6/2016	EPA 8260B	10061-01-5	cis-1,3-Dichloropropene	ND	µg/m ³	8	
A5-20.5'	5/6/2016	EPA 8260B	124-48-1	Dibromochloromethane	ND	µg/m ³	8	
A5-20.5'	5/6/2016	EPA 8260B	74-95-3	Dibromomethane	ND	µg/m ³	8	
A5-20.5'	5/6/2016	EPA 8260B	75-71-8	Dichlorodifluoromethane	331	µg/m ³	8	
A5-20.5'	5/6/2016	EPA 8260B	108-20-3	Di-isopropylether (DIPE)	ND	µg/m ³	40	
A5-20.5'	5/6/2016	EPA 8260B	100-41-4	Ethylbenzene	ND	µg/m ³	8	
A5-20.5'	5/6/2016	EPA 8260B	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/m ³	40	
A5-20.5'	5/6/2016	EPA 8260B	76-13-1	Freon 113	66.4	µg/m ³	40	
A5-20.5'	5/6/2016	EPA 8260B	87-68-3	Hexachlorobutadiene	ND	µg/m ³	8	
A5-20.5'	5/6/2016	EPA 8260B	98-82-8	Isopropylbenzene	ND	µg/m ³	8	
A5-20.5'	5/6/2016	EPA 8260B	75-09-2	Methylene Chloride	ND	µg/m ³	8	
A5-20.5'	5/6/2016	EPA 8260B	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/m ³	40	
A5-20.5'	5/6/2016	EPA 8260B	91-20-3	Naphthalene	ND	µg/m ³	8	
A5-20.5'	5/6/2016	EPA 8260B	104-51-8	n-Butylbenzene	ND	µg/m ³	8	
A5-20.5'	5/6/2016	EPA 8260B	109-66-0	n-Pentane	ND	µg/m ³	8	
A5-20.5'	5/6/2016	EPA 8260B	103-65-1	n-Propylbenzene	ND	µg/m ³	8	
A5-20.5'	5/6/2016	EPA 8260B	135-98-8	sec-Butylbenzene	ND	µg/m ³	8	
A5-20.5'	5/6/2016	EPA 8260B	100-42-5	Styrene	ND	µg/m ³	8	
A5-20.5'	5/6/2016	EPA 8260B	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/m ³	400	
A5-20.5'	5/6/2016	EPA 8260B	994-05-8	Tert-amylmethylether (TAME)	ND	µg/m ³	40	
A5-20.5'	5/6/2016	EPA 8260B	98-06-6	tert-Butylbenzene	ND	µg/m ³	8	
A5-20.5'	5/6/2016	EPA 8260B	127-18-4	Tetrachloroethylene	3120000	µg/m ³	2000 D	
A5-20.5'	5/6/2016	EPA 8260B	108-88-3	Toluene	84	µg/m ³	8	
A5-20.5'	5/6/2016	EPA 8260B	156-60-5	trans-1,2-Dichloroethene	ND	µg/m ³	8	
A5-20.5'	5/6/2016	EPA 8260B	10061-02-6	trans-1,3-Dichloropropene	ND	µg/m ³	8	
A5-20.5'	5/6/2016	EPA 8260B	79-01-6	Trichloroethylene	8400	µg/m ³	8	
A5-20.5'	5/6/2016	EPA 8260B	75-69-4	Trichlorofluoromethane	ND	µg/m ³	8	
A5-20.5'	5/6/2016	EPA 8260B	75-01-4	Vinyl Chloride	ND	µg/m ³	8	
A5-20.5'	5/6/2016	EPA 8260B	1330-20-7	Xylenes	ND	µg/m ³	8	
A6-20.5'	5/6/2016	EPA 8260B	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/m ³	8	
A6-20.5'	5/6/2016	EPA 8260B	71-55-6	1,1,1-Trichloroethane	10.8	µg/m ³	8	
A6-20.5'	5/6/2016	EPA 8260B	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/m ³	8	
A6-20.5'	5/6/2016	EPA 8260B	79-00-5	1,1,2-Trichloroethane	ND	µg/m ³	8	
A6-20.5'	5/6/2016	EPA 8260B	75-34-3	1,1-Dichloroethane	ND	µg/m ³	8	
A6-20.5'	5/6/2016	EPA 8260B	75-35-4	1,1-Dichloroethene	ND	µg/m ³	8	
A6-20.5'	5/6/2016	EPA 8260B	563-58-6	1,1-Dichloropropene	ND	µg/m ³	8	
A6-20.5'	5/6/2016	EPA 8260B	87-61-6	1,2,3-Trichlorobenzene	ND	µg/m ³	8	
A6-20.5'	5/6/2016	EPA 8260B	96-18-4	1,2,3-Trichloropropane	ND	µg/m ³	8	
A6-20.5'	5/6/2016	EPA 8260B	120-82-1	1,2,4-Trichlorobenzene	ND	µg/m ³	8	
A6-20.5'	5/6/2016	EPA 8260B	95-63-6	1,2,4-Trimethylbenzene	31.8	µg/m ³	8	
A6-20.5'	5/6/2016	EPA 8260B	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/m ³	8	
A6-20.5'	5/6/2016	EPA 8260B	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/m ³	8	

Sample Name	Sample Date	Analytical Method	CAS Number	Analyte	Result	Unit	Detection Limit	Lab Qualifier
A6-20.5'	5/6/2016	EPA 8260B	95-50-1	1,2-Dichlorobenzene	ND	µg/m ³	8	
A6-20.5'	5/6/2016	EPA 8260B	107-06-2	1,2-Dichloroethane	ND	µg/m ³	8	
A6-20.5'	5/6/2016	EPA 8260B	78-87-5	1,2-Dichloropropane	ND	µg/m ³	8	
A6-20.5'	5/6/2016	EPA 8260B	108-67-8	1,3,5-Trimethylbenzene	ND	µg/m ³	8	
A6-20.5'	5/6/2016	EPA 8260B	541-73-1	1,3-Dichlorobenzene	ND	µg/m ³	8	
A6-20.5'	5/6/2016	EPA 8260B	142-28-9	1,3-Dichloropropane	ND	µg/m ³	8	
A6-20.5'	5/6/2016	EPA 8260B	106-46-7	1,4-Dichlorobenzene	ND	µg/m ³	8	
A6-20.5'	5/6/2016	EPA 8260B	594-20-7	2,2-Dichloropropane	ND	µg/m ³	8	
A6-20.5'	5/6/2016	EPA 8260B	95-49-8	2-Chlorotoluene	ND	µg/m ³	8	
A6-20.5'	5/6/2016	EPA 8260B	106-43-4	4-Chlorotoluene	ND	µg/m ³	8	
A6-20.5'	5/6/2016	EPA 8260B	99-87-6	4-Isopropyltoluene	ND	µg/m ³	8	
A6-20.5'	5/6/2016	EPA 8260B	71-43-2	Benzene	20.8	µg/m ³	8	
A6-20.5'	5/6/2016	EPA 8260B	108-86-1	Bromobenzene	ND	µg/m ³	8	
A6-20.5'	5/6/2016	EPA 8260B	75-27-4	Bromodichloromethane	ND	µg/m ³	8	
A6-20.5'	5/6/2016	EPA 8260B	75-25-2	Bromoform	ND	µg/m ³	8	
A6-20.5'	5/6/2016	EPA 8260B	56-23-5	Carbon Tetrachloride	ND	µg/m ³	8	
A6-20.5'	5/6/2016	EPA 8260B	108-90-7	Chlorobenzene	ND	µg/m ³	8	
A6-20.5'	5/6/2016	EPA 8260B	67-66-3	Chloroform	34.8	µg/m ³	8	
A6-20.5'	5/6/2016	EPA 8260B	156-59-2	cis-1,2-Dichloroethene	ND	µg/m ³	8	
A6-20.5'	5/6/2016	EPA 8260B	10061-01-5	cis-1,3-Dichloropropene	ND	µg/m ³	8	
A6-20.5'	5/6/2016	EPA 8260B	124-48-1	Dibromochloromethane	ND	µg/m ³	8	
A6-20.5'	5/6/2016	EPA 8260B	74-95-3	Dibromomethane	ND	µg/m ³	8	
A6-20.5'	5/6/2016	EPA 8260B	75-71-8	Dichlorodifluoromethane	505	µg/m ³	8	
A6-20.5'	5/6/2016	EPA 8260B	108-20-3	Di-isopropylether (DIPE)	ND	µg/m ³	40	
A6-20.5'	5/6/2016	EPA 8260B	100-41-4	Ethylbenzene	34.2	µg/m ³	8	
A6-20.5'	5/6/2016	EPA 8260B	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/m ³	40	
A6-20.5'	5/6/2016	EPA 8260B	76-13-1	Freon 113	124	µg/m ³	40	
A6-20.5'	5/6/2016	EPA 8260B	87-68-3	Hexachlorobutadiene	ND	µg/m ³	8	
A6-20.5'	5/6/2016	EPA 8260B	98-82-8	Isopropylbenzene	ND	µg/m ³	8	
A6-20.5'	5/6/2016	EPA 8260B	75-09-2	Methylene Chloride	ND	µg/m ³	8	
A6-20.5'	5/6/2016	EPA 8260B	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/m ³	40	
A6-20.5'	5/6/2016	EPA 8260B	91-20-3	Naphthalene	ND	µg/m ³	8	
A6-20.5'	5/6/2016	EPA 8260B	104-51-8	n-Butylbenzene	ND	µg/m ³	8	
A6-20.5'	5/6/2016	EPA 8260B	109-66-0	n-Pentane	ND	µg/m ³	8	
A6-20.5'	5/6/2016	EPA 8260B	103-65-1	n-Propylbenzene	ND	µg/m ³	8	
A6-20.5'	5/6/2016	EPA 8260B	135-98-8	sec-Butylbenzene	ND	µg/m ³	8	
A6-20.5'	5/6/2016	EPA 8260B	100-42-5	Styrene	ND	µg/m ³	8	
A6-20.5'	5/6/2016	EPA 8260B	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/m ³	400	
A6-20.5'	5/6/2016	EPA 8260B	994-05-8	Tert-amylmethylether (TAME)	ND	µg/m ³	40	
A6-20.5'	5/6/2016	EPA 8260B	98-06-6	tert-Butylbenzene	ND	µg/m ³	8	
A6-20.5'	5/6/2016	EPA 8260B	127-18-4	Tetrachloroethylene	105000	µg/m ³	80	D
A6-20.5'	5/6/2016	EPA 8260B	108-88-3	Toluene	234	µg/m ³	8	
A6-20.5'	5/6/2016	EPA 8260B	156-60-5	trans-1,2-Dichloroethene	ND	µg/m ³	8	
A6-20.5'	5/6/2016	EPA 8260B	10061-02-6	trans-1,3-Dichloropropene	ND	µg/m ³	8	
A6-20.5'	5/6/2016	EPA 8260B	79-01-6	Trichloroethylene	2020	µg/m ³	8	
A6-20.5'	5/6/2016	EPA 8260B	75-69-4	Trichlorofluoromethane	ND	µg/m ³	8	
A6-20.5'	5/6/2016	EPA 8260B	75-01-4	Vinyl Chloride	ND	µg/m ³	8	
A6-20.5'	5/6/2016	EPA 8260B	1330-20-7	Xylenes	187	µg/m ³	8	
A7-20.5'	5/6/2016	EPA 8260B	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/m ³	8	
A7-20.5'	5/6/2016	EPA 8260B	71-55-6	1,1,1-Trichloroethane	22.2	µg/m ³	8	
A7-20.5'	5/6/2016	EPA 8260B	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/m ³	8	
A7-20.5'	5/6/2016	EPA 8260B	79-00-5	1,1,2-Trichloroethane	ND	µg/m ³	8	
A7-20.5'	5/6/2016	EPA 8260B	75-34-3	1,1-Dichloroethane	ND	µg/m ³	8	

Sample Name	Sample Date	Analytical Method	CAS Number	Analyte	Result	Unit	Detection Limit	Lab Qualifier
A7-20.5'	5/6/2016	EPA 8260B	75-35-4	1,1-Dichloroethene	ND	µg/m ³	8	
A7-20.5'	5/6/2016	EPA 8260B	563-58-6	1,1-Dichloropropene	ND	µg/m ³	8	
A7-20.5'	5/6/2016	EPA 8260B	87-61-6	1,2,3-Trichlorobenzene	ND	µg/m ³	8	
A7-20.5'	5/6/2016	EPA 8260B	96-18-4	1,2,3-Trichloropropane	ND	µg/m ³	8	
A7-20.5'	5/6/2016	EPA 8260B	120-82-1	1,2,4-Trichlorobenzene	ND	µg/m ³	8	
A7-20.5'	5/6/2016	EPA 8260B	95-63-6	1,2,4-Trimethylbenzene	ND	µg/m ³	8	
A7-20.5'	5/6/2016	EPA 8260B	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/m ³	8	
A7-20.5'	5/6/2016	EPA 8260B	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/m ³	8	
A7-20.5'	5/6/2016	EPA 8260B	95-50-1	1,2-Dichlorobenzene	ND	µg/m ³	8	
A7-20.5'	5/6/2016	EPA 8260B	107-06-2	1,2-Dichloroethane	ND	µg/m ³	8	
A7-20.5'	5/6/2016	EPA 8260B	78-87-5	1,2-Dichloropropane	ND	µg/m ³	8	
A7-20.5'	5/6/2016	EPA 8260B	108-67-8	1,3,5-Trimethylbenzene	ND	µg/m ³	8	
A7-20.5'	5/6/2016	EPA 8260B	541-73-1	1,3-Dichlorobenzene	ND	µg/m ³	8	
A7-20.5'	5/6/2016	EPA 8260B	142-28-9	1,3-Dichloropropane	ND	µg/m ³	8	
A7-20.5'	5/6/2016	EPA 8260B	106-46-7	1,4-Dichlorobenzene	ND	µg/m ³	8	
A7-20.5'	5/6/2016	EPA 8260B	594-20-7	2,2-Dichloropropane	ND	µg/m ³	8	
A7-20.5'	5/6/2016	EPA 8260B	95-49-8	2-Chlorotoluene	ND	µg/m ³	8	
A7-20.5'	5/6/2016	EPA 8260B	106-43-4	4-Chlorotoluene	ND	µg/m ³	8	
A7-20.5'	5/6/2016	EPA 8260B	99-87-6	4-Isopropyltoluene	ND	µg/m ³	8	
A7-20.5'	5/6/2016	EPA 8260B	71-43-2	Benzene	ND	µg/m ³	8	
A7-20.5'	5/6/2016	EPA 8260B	108-86-1	Bromobenzene	ND	µg/m ³	8	
A7-20.5'	5/6/2016	EPA 8260B	75-27-4	Bromodichloromethane	ND	µg/m ³	8	
A7-20.5'	5/6/2016	EPA 8260B	75-25-2	Bromoform	ND	µg/m ³	8	
A7-20.5'	5/6/2016	EPA 8260B	56-23-5	Carbon Tetrachloride	ND	µg/m ³	8	
A7-20.5'	5/6/2016	EPA 8260B	108-90-7	Chlorobenzene	ND	µg/m ³	8	
A7-20.5'	5/6/2016	EPA 8260B	67-66-3	Chloroform	101	µg/m ³	8	
A7-20.5'	5/6/2016	EPA 8260B	156-59-2	cis-1,2-Dichloroethene	21.6	µg/m ³	8	
A7-20.5'	5/6/2016	EPA 8260B	10061-01-5	cis-1,3-Dichloropropene	ND	µg/m ³	8	
A7-20.5'	5/6/2016	EPA 8260B	124-48-1	Dibromochloromethane	ND	µg/m ³	8	
A7-20.5'	5/6/2016	EPA 8260B	74-95-3	Dibromomethane	ND	µg/m ³	8	
A7-20.5'	5/6/2016	EPA 8260B	75-71-8	Dichlorodifluoromethane	978	µg/m ³	8	
A7-20.5'	5/6/2016	EPA 8260B	108-20-3	Di-isopropylether (DIPE)	ND	µg/m ³	40	
A7-20.5'	5/6/2016	EPA 8260B	100-41-4	Ethylbenzene	ND	µg/m ³	8	
A7-20.5'	5/6/2016	EPA 8260B	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/m ³	40	
A7-20.5'	5/6/2016	EPA 8260B	76-13-1	Freon 113	290	µg/m ³	40	
A7-20.5'	5/6/2016	EPA 8260B	87-68-3	Hexachlorobutadiene	ND	µg/m ³	8	
A7-20.5'	5/6/2016	EPA 8260B	98-82-8	Isopropylbenzene	ND	µg/m ³	8	
A7-20.5'	5/6/2016	EPA 8260B	75-09-2	Methylene Chloride	ND	µg/m ³	8	
A7-20.5'	5/6/2016	EPA 8260B	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/m ³	40	
A7-20.5'	5/6/2016	EPA 8260B	91-20-3	Naphthalene	ND	µg/m ³	8	
A7-20.5'	5/6/2016	EPA 8260B	104-51-8	n-Butylbenzene	ND	µg/m ³	8	
A7-20.5'	5/6/2016	EPA 8260B	109-66-0	n-Pentane	ND	µg/m ³	8	
A7-20.5'	5/6/2016	EPA 8260B	103-65-1	n-Propylbenzene	ND	µg/m ³	8	
A7-20.5'	5/6/2016	EPA 8260B	135-98-8	sec-Butylbenzene	ND	µg/m ³	8	
A7-20.5'	5/6/2016	EPA 8260B	100-42-5	Styrene	ND	µg/m ³	8	
A7-20.5'	5/6/2016	EPA 8260B	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/m ³	400	
A7-20.5'	5/6/2016	EPA 8260B	994-05-8	Tert-amylmethylether (TAME)	ND	µg/m ³	40	
A7-20.5'	5/6/2016	EPA 8260B	98-06-6	tert-Butylbenzene	ND	µg/m ³	8	
A7-20.5'	5/6/2016	EPA 8260B	127-18-4	Tetrachloroethylene	38000	µg/m ³	80	D
A7-20.5'	5/6/2016	EPA 8260B	108-88-3	Toluene	ND	µg/m ³	8	
A7-20.5'	5/6/2016	EPA 8260B	156-60-5	trans-1,2-Dichloroethene	ND	µg/m ³	8	
A7-20.5'	5/6/2016	EPA 8260B	10061-02-6	trans-1,3-Dichloropropene	ND	µg/m ³	8	
A7-20.5'	5/6/2016	EPA 8260B	79-01-6	Trichloroethylene	40500	µg/m ³	80	D

Sample Name	Sample Date	Analytical Method	CAS Number	Analyte	Result	Unit	Detection Limit	Lab Qualifier
A7-20.5'	5/6/2016	EPA 8260B	75-69-4	Trichlorofluoromethane	29.4	µg/m ³	8	
A7-20.5'	5/6/2016	EPA 8260B	75-01-4	Vinyl Chloride	ND	µg/m ³	8	
A7-20.5'	5/6/2016	EPA 8260B	1330-20-7	Xylenes	ND	µg/m ³	8	
A8-20.5'	5/6/2016	EPA 8260B	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/m ³	8	
A8-20.5'	5/6/2016	EPA 8260B	71-55-6	1,1,1-Trichloroethane	15	µg/m ³	8	
A8-20.5'	5/6/2016	EPA 8260B	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/m ³	8	
A8-20.5'	5/6/2016	EPA 8260B	79-00-5	1,1,2-Trichloroethane	ND	µg/m ³	8	
A8-20.5'	5/6/2016	EPA 8260B	75-34-3	1,1-Dichloroethane	ND	µg/m ³	8	
A8-20.5'	5/6/2016	EPA 8260B	75-35-4	1,1-Dichloroethene	ND	µg/m ³	8	
A8-20.5'	5/6/2016	EPA 8260B	563-58-6	1,1-Dichloropropene	ND	µg/m ³	8	
A8-20.5'	5/6/2016	EPA 8260B	87-61-6	1,2,3-Trichlorobenzene	ND	µg/m ³	8	
A8-20.5'	5/6/2016	EPA 8260B	96-18-4	1,2,3-Trichloropropane	ND	µg/m ³	8	
A8-20.5'	5/6/2016	EPA 8260B	120-82-1	1,2,4-Trichlorobenzene	ND	µg/m ³	8	
A8-20.5'	5/6/2016	EPA 8260B	95-63-6	1,2,4-Trimethylbenzene	47.6	µg/m ³	8	
A8-20.5'	5/6/2016	EPA 8260B	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/m ³	8	
A8-20.5'	5/6/2016	EPA 8260B	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/m ³	8	
A8-20.5'	5/6/2016	EPA 8260B	95-50-1	1,2-Dichlorobenzene	ND	µg/m ³	8	
A8-20.5'	5/6/2016	EPA 8260B	107-06-2	1,2-Dichloroethane	ND	µg/m ³	8	
A8-20.5'	5/6/2016	EPA 8260B	78-87-5	1,2-Dichloropropane	ND	µg/m ³	8	
A8-20.5'	5/6/2016	EPA 8260B	108-67-8	1,3,5-Trimethylbenzene	ND	µg/m ³	8	
A8-20.5'	5/6/2016	EPA 8260B	541-73-1	1,3-Dichlorobenzene	ND	µg/m ³	8	
A8-20.5'	5/6/2016	EPA 8260B	142-28-9	1,3-Dichloropropane	ND	µg/m ³	8	
A8-20.5'	5/6/2016	EPA 8260B	106-46-7	1,4-Dichlorobenzene	ND	µg/m ³	8	
A8-20.5'	5/6/2016	EPA 8260B	594-20-7	2,2-Dichloropropane	ND	µg/m ³	8	
A8-20.5'	5/6/2016	EPA 8260B	95-49-8	2-Chlorotoluene	ND	µg/m ³	8	
A8-20.5'	5/6/2016	EPA 8260B	106-43-4	4-Chlorotoluene	ND	µg/m ³	8	
A8-20.5'	5/6/2016	EPA 8260B	99-87-6	4-Isopropyltoluene	38.8	µg/m ³	8	
A8-20.5'	5/6/2016	EPA 8260B	71-43-2	Benzene	29	µg/m ³	8	
A8-20.5'	5/6/2016	EPA 8260B	108-86-1	Bromobenzene	ND	µg/m ³	8	
A8-20.5'	5/6/2016	EPA 8260B	75-27-4	Bromodichloromethane	ND	µg/m ³	8	
A8-20.5'	5/6/2016	EPA 8260B	75-25-2	Bromoform	ND	µg/m ³	8	
A8-20.5'	5/6/2016	EPA 8260B	56-23-5	Carbon Tetrachloride	ND	µg/m ³	8	
A8-20.5'	5/6/2016	EPA 8260B	108-90-7	Chlorobenzene	ND	µg/m ³	8	
A8-20.5'	5/6/2016	EPA 8260B	67-66-3	Chloroform	21.8	µg/m ³	8	
A8-20.5'	5/6/2016	EPA 8260B	156-59-2	cis-1,2-Dichloroethene	ND	µg/m ³	8	
A8-20.5'	5/6/2016	EPA 8260B	10061-01-5	cis-1,3-Dichloropropene	ND	µg/m ³	8	
A8-20.5'	5/6/2016	EPA 8260B	124-48-1	Dibromochloromethane	ND	µg/m ³	8	
A8-20.5'	5/6/2016	EPA 8260B	74-95-3	Dibromomethane	ND	µg/m ³	8	
A8-20.5'	5/6/2016	EPA 8260B	75-71-8	Dichlorodifluoromethane	326	µg/m ³	8	
A8-20.5'	5/6/2016	EPA 8260B	108-20-3	Di-isopropylether (DIPE)	ND	µg/m ³	40	
A8-20.5'	5/6/2016	EPA 8260B	100-41-4	Ethylbenzene	35.4	µg/m ³	8	
A8-20.5'	5/6/2016	EPA 8260B	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/m ³	40	
A8-20.5'	5/6/2016	EPA 8260B	76-13-1	Freon 113	90.2	µg/m ³	40	
A8-20.5'	5/6/2016	EPA 8260B	87-68-3	Hexachlorobutadiene	ND	µg/m ³	8	
A8-20.5'	5/6/2016	EPA 8260B	98-82-8	Isopropylbenzene	ND	µg/m ³	8	
A8-20.5'	5/6/2016	EPA 8260B	75-09-2	Methylene Chloride	ND	µg/m ³	8	
A8-20.5'	5/6/2016	EPA 8260B	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/m ³	40	
A8-20.5'	5/6/2016	EPA 8260B	91-20-3	Naphthalene	ND	µg/m ³	8	
A8-20.5'	5/6/2016	EPA 8260B	104-51-8	n-Butylbenzene	ND	µg/m ³	8	
A8-20.5'	5/6/2016	EPA 8260B	109-66-0	n-Pentane	ND	µg/m ³	8	
A8-20.5'	5/6/2016	EPA 8260B	103-65-1	n-Propylbenzene	ND	µg/m ³	8	
A8-20.5'	5/6/2016	EPA 8260B	135-98-8	sec-Butylbenzene	ND	µg/m ³	8	
A8-20.5'	5/6/2016	EPA 8260B	100-42-5	Styrene	ND	µg/m ³	8	

Sample Name	Sample Date	Analytical Method	CAS Number	Analyte	Result	Unit	Detection Limit	Lab Qualifier
A8-20.5'	5/6/2016	EPA 8260B	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/m ³	400	
A8-20.5'	5/6/2016	EPA 8260B	994-05-8	Tert-amylmethylether (TAME)	ND	µg/m ³	40	
A8-20.5'	5/6/2016	EPA 8260B	98-06-6	tert-Butylbenzene	ND	µg/m ³	8	
A8-20.5'	5/6/2016	EPA 8260B	127-18-4	Tetrachloroethylene	12900	µg/m ³	8	
A8-20.5'	5/6/2016	EPA 8260B	108-88-3	Toluene	204	µg/m ³	8	
A8-20.5'	5/6/2016	EPA 8260B	156-60-5	trans-1,2-Dichloroethene	ND	µg/m ³	8	
A8-20.5'	5/6/2016	EPA 8260B	10061-02-6	trans-1,3-Dichloropropene	ND	µg/m ³	8	
A8-20.5'	5/6/2016	EPA 8260B	79-01-6	Trichloroethylene	1820	µg/m ³	8	
A8-20.5'	5/6/2016	EPA 8260B	75-69-4	Trichlorofluoromethane	ND	µg/m ³	8	
A8-20.5'	5/6/2016	EPA 8260B	75-01-4	Vinyl Chloride	ND	µg/m ³	8	
A8-20.5'	5/6/2016	EPA 8260B	1330-20-7	Xylenes	213	µg/m ³	8	
A9-30.5'	5/6/2016	EPA 8260B	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/m ³	8	
A9-30.5'	5/6/2016	EPA 8260B	71-55-6	1,1,1-Trichloroethane	ND	µg/m ³	8	
A9-30.5'	5/6/2016	EPA 8260B	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/m ³	8	
A9-30.5'	5/6/2016	EPA 8260B	79-00-5	1,1,2-Trichloroethane	ND	µg/m ³	8	
A9-30.5'	5/6/2016	EPA 8260B	75-34-3	1,1-Dichloroethane	ND	µg/m ³	8	
A9-30.5'	5/6/2016	EPA 8260B	75-35-4	1,1-Dichloroethene	345	µg/m ³	8	
A9-30.5'	5/6/2016	EPA 8260B	563-58-6	1,1-Dichloropropene	ND	µg/m ³	8	
A9-30.5'	5/6/2016	EPA 8260B	87-61-6	1,2,3-Trichlorobenzene	ND	µg/m ³	8	
A9-30.5'	5/6/2016	EPA 8260B	96-18-4	1,2,3-Trichloropropane	ND	µg/m ³	8	
A9-30.5'	5/6/2016	EPA 8260B	120-82-1	1,2,4-Trichlorobenzene	ND	µg/m ³	8	
A9-30.5'	5/6/2016	EPA 8260B	95-63-6	1,2,4-Trimethylbenzene	ND	µg/m ³	8	
A9-30.5'	5/6/2016	EPA 8260B	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/m ³	8	
A9-30.5'	5/6/2016	EPA 8260B	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/m ³	8	
A9-30.5'	5/6/2016	EPA 8260B	95-50-1	1,2-Dichlorobenzene	ND	µg/m ³	8	
A9-30.5'	5/6/2016	EPA 8260B	107-06-2	1,2-Dichloroethane	ND	µg/m ³	8	
A9-30.5'	5/6/2016	EPA 8260B	78-87-5	1,2-Dichloropropane	ND	µg/m ³	8	
A9-30.5'	5/6/2016	EPA 8260B	108-67-8	1,3,5-Trimethylbenzene	ND	µg/m ³	8	
A9-30.5'	5/6/2016	EPA 8260B	541-73-1	1,3-Dichlorobenzene	ND	µg/m ³	8	
A9-30.5'	5/6/2016	EPA 8260B	142-28-9	1,3-Dichloropropane	ND	µg/m ³	8	
A9-30.5'	5/6/2016	EPA 8260B	106-46-7	1,4-Dichlorobenzene	ND	µg/m ³	8	
A9-30.5'	5/6/2016	EPA 8260B	594-20-7	2,2-Dichloropropane	ND	µg/m ³	8	
A9-30.5'	5/6/2016	EPA 8260B	95-49-8	2-Chlorotoluene	ND	µg/m ³	8	
A9-30.5'	5/6/2016	EPA 8260B	106-43-4	4-Chlorotoluene	ND	µg/m ³	8	
A9-30.5'	5/6/2016	EPA 8260B	99-87-6	4-Isopropyltoluene	ND	µg/m ³	8	
A9-30.5'	5/6/2016	EPA 8260B	71-43-2	Benzene	ND	µg/m ³	8	
A9-30.5'	5/6/2016	EPA 8260B	108-86-1	Bromobenzene	ND	µg/m ³	8	
A9-30.5'	5/6/2016	EPA 8260B	75-27-4	Bromodichloromethane	ND	µg/m ³	8	
A9-30.5'	5/6/2016	EPA 8260B	75-25-2	Bromoform	ND	µg/m ³	8	
A9-30.5'	5/6/2016	EPA 8260B	56-23-5	Carbon Tetrachloride	ND	µg/m ³	8	
A9-30.5'	5/6/2016	EPA 8260B	108-90-7	Chlorobenzene	ND	µg/m ³	8	
A9-30.5'	5/6/2016	EPA 8260B	67-66-3	Chloroform	29.2	µg/m ³	8	
A9-30.5'	5/6/2016	EPA 8260B	156-59-2	cis-1,2-Dichloroethene	ND	µg/m ³	8	
A9-30.5'	5/6/2016	EPA 8260B	10061-01-5	cis-1,3-Dichloropropene	ND	µg/m ³	8	
A9-30.5'	5/6/2016	EPA 8260B	124-48-1	Dibromochloromethane	ND	µg/m ³	8	
A9-30.5'	5/6/2016	EPA 8260B	74-95-3	Dibromomethane	ND	µg/m ³	8	
A9-30.5'	5/6/2016	EPA 8260B	75-71-8	Dichlorodifluoromethane	454	µg/m ³	8	
A9-30.5'	5/6/2016	EPA 8260B	108-20-3	Di-isopropylether (DIPE)	ND	µg/m ³	40	
A9-30.5'	5/6/2016	EPA 8260B	100-41-4	Ethylbenzene	ND	µg/m ³	8	
A9-30.5'	5/6/2016	EPA 8260B	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/m ³	40	
A9-30.5'	5/6/2016	EPA 8260B	76-13-1	Freon 113	122	µg/m ³	40	
A9-30.5'	5/6/2016	EPA 8260B	87-68-3	Hexachlorobutadiene	ND	µg/m ³	8	
A9-30.5'	5/6/2016	EPA 8260B	98-82-8	Isopropylbenzene	ND	µg/m ³	8	

Sample Name	Sample Date	Analytical Method	CAS Number	Analyte	Result	Unit	Detection Limit	Lab Qualifier
A9-30.5'	5/6/2016	EPA 8260B	75-09-2	Methylene Chloride	ND	µg/m ³	8	
A9-30.5'	5/6/2016	EPA 8260B	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/m ³	40	
A9-30.5'	5/6/2016	EPA 8260B	91-20-3	Naphthalene	ND	µg/m ³	8	
A9-30.5'	5/6/2016	EPA 8260B	104-51-8	n-Butylbenzene	ND	µg/m ³	8	
A9-30.5'	5/6/2016	EPA 8260B	109-66-0	n-Pentane	ND	µg/m ³	8	
A9-30.5'	5/6/2016	EPA 8260B	103-65-1	n-Propylbenzene	ND	µg/m ³	8	
A9-30.5'	5/6/2016	EPA 8260B	135-98-8	sec-Butylbenzene	ND	µg/m ³	8	
A9-30.5'	5/6/2016	EPA 8260B	100-42-5	Styrene	ND	µg/m ³	8	
A9-30.5'	5/6/2016	EPA 8260B	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/m ³	400	
A9-30.5'	5/6/2016	EPA 8260B	994-05-8	Tert-amylmethylether (TAME)	ND	µg/m ³	40	
A9-30.5'	5/6/2016	EPA 8260B	98-06-6	tert-Butylbenzene	ND	µg/m ³	8	
A9-30.5'	5/6/2016	EPA 8260B	127-18-4	Tetrachloroethylene	8010	µg/m ³	8	
A9-30.5'	5/6/2016	EPA 8260B	108-88-3	Toluene	ND	µg/m ³	8	
A9-30.5'	5/6/2016	EPA 8260B	156-60-5	trans-1,2-Dichloroethene	ND	µg/m ³	8	
A9-30.5'	5/6/2016	EPA 8260B	10061-02-6	trans-1,3-Dichloropropene	ND	µg/m ³	8	
A9-30.5'	5/6/2016	EPA 8260B	79-01-6	Trichloroethylene	2140	µg/m ³	8	
A9-30.5'	5/6/2016	EPA 8260B	75-69-4	Trichlorofluoromethane	ND	µg/m ³	8	
A9-30.5'	5/6/2016	EPA 8260B	75-01-4	Vinyl Chloride	ND	µg/m ³	8	
A9-30.5'	5/6/2016	EPA 8260B	1330-20-7	Xylenes	ND	µg/m ³	8	
A10-30.5'	5/6/2016	EPA 8260B	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/m ³	8	
A10-30.5'	5/6/2016	EPA 8260B	71-55-6	1,1,1-Trichloroethane	19.4	µg/m ³	8	
A10-30.5'	5/6/2016	EPA 8260B	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/m ³	8	
A10-30.5'	5/6/2016	EPA 8260B	79-00-5	1,1,2-Trichloroethane	ND	µg/m ³	8	
A10-30.5'	5/6/2016	EPA 8260B	75-34-3	1,1-Dichloroethane	ND	µg/m ³	8	
A10-30.5'	5/6/2016	EPA 8260B	75-35-4	1,1-Dichloroethene	ND	µg/m ³	8	
A10-30.5'	5/6/2016	EPA 8260B	563-58-6	1,1-Dichloropropene	ND	µg/m ³	8	
A10-30.5'	5/6/2016	EPA 8260B	87-61-6	1,2,3-Trichlorobenzene	ND	µg/m ³	8	
A10-30.5'	5/6/2016	EPA 8260B	96-18-4	1,2,3-Trichloropropane	ND	µg/m ³	8	
A10-30.5'	5/6/2016	EPA 8260B	120-82-1	1,2,4-Trichlorobenzene	ND	µg/m ³	8	
A10-30.5'	5/6/2016	EPA 8260B	95-63-6	1,2,4-Trimethylbenzene	ND	µg/m ³	8	
A10-30.5'	5/6/2016	EPA 8260B	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/m ³	8	
A10-30.5'	5/6/2016	EPA 8260B	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/m ³	8	
A10-30.5'	5/6/2016	EPA 8260B	95-50-1	1,2-Dichlorobenzene	ND	µg/m ³	8	
A10-30.5'	5/6/2016	EPA 8260B	107-06-2	1,2-Dichloroethane	ND	µg/m ³	8	
A10-30.5'	5/6/2016	EPA 8260B	78-87-5	1,2-Dichloropropane	ND	µg/m ³	8	
A10-30.5'	5/6/2016	EPA 8260B	108-67-8	1,3,5-Trimethylbenzene	ND	µg/m ³	8	
A10-30.5'	5/6/2016	EPA 8260B	541-73-1	1,3-Dichlorobenzene	ND	µg/m ³	8	
A10-30.5'	5/6/2016	EPA 8260B	142-28-9	1,3-Dichloropropane	ND	µg/m ³	8	
A10-30.5'	5/6/2016	EPA 8260B	106-46-7	1,4-Dichlorobenzene	ND	µg/m ³	8	
A10-30.5'	5/6/2016	EPA 8260B	594-20-7	2,2-Dichloropropane	ND	µg/m ³	8	
A10-30.5'	5/6/2016	EPA 8260B	95-49-8	2-Chlorotoluene	ND	µg/m ³	8	
A10-30.5'	5/6/2016	EPA 8260B	106-43-4	4-Chlorotoluene	ND	µg/m ³	8	
A10-30.5'	5/6/2016	EPA 8260B	99-87-6	4-Isopropyltoluene	ND	µg/m ³	8	
A10-30.5'	5/6/2016	EPA 8260B	71-43-2	Benzene	ND	µg/m ³	8	
A10-30.5'	5/6/2016	EPA 8260B	108-86-1	Bromobenzene	ND	µg/m ³	8	
A10-30.5'	5/6/2016	EPA 8260B	75-27-4	Bromodichloromethane	ND	µg/m ³	8	
A10-30.5'	5/6/2016	EPA 8260B	75-25-2	Bromoform	ND	µg/m ³	8	
A10-30.5'	5/6/2016	EPA 8260B	56-23-5	Carbon Tetrachloride	ND	µg/m ³	8	
A10-30.5'	5/6/2016	EPA 8260B	108-90-7	Chlorobenzene	ND	µg/m ³	8	
A10-30.5'	5/6/2016	EPA 8260B	67-66-3	Chloroform	ND	µg/m ³	8	
A10-30.5'	5/6/2016	EPA 8260B	156-59-2	cis-1,2-Dichloroethene	ND	µg/m ³	8	
A10-30.5'	5/6/2016	EPA 8260B	10061-01-5	cis-1,3-Dichloropropene	ND	µg/m ³	8	
A10-30.5'	5/6/2016	EPA 8260B	124-48-1	Dibromochloromethane	ND	µg/m ³	8	

Sample Name	Sample Date	Analytical Method	CAS Number	Analyte	Result	Unit	Detection Limit	Lab Qualifier
A10-30.5'	5/6/2016	EPA 8260B	74-95-3	Dibromomethane	ND	µg/m ³	8	
A10-30.5'	5/6/2016	EPA 8260B	75-71-8	Dichlorodifluoromethane	307	µg/m ³	8	
A10-30.5'	5/6/2016	EPA 8260B	108-20-3	Di-isopropylether (DIPE)	ND	µg/m ³	40	
A10-30.5'	5/6/2016	EPA 8260B	100-41-4	Ethylbenzene	ND	µg/m ³	8	
A10-30.5'	5/6/2016	EPA 8260B	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/m ³	40	
A10-30.5'	5/6/2016	EPA 8260B	76-13-1	Freon 113	94.4	µg/m ³	40	
A10-30.5'	5/6/2016	EPA 8260B	87-68-3	Hexachlorobutadiene	ND	µg/m ³	8	
A10-30.5'	5/6/2016	EPA 8260B	98-82-8	Isopropylbenzene	ND	µg/m ³	8	
A10-30.5'	5/6/2016	EPA 8260B	75-09-2	Methylene Chloride	ND	µg/m ³	8	
A10-30.5'	5/6/2016	EPA 8260B	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/m ³	40	
A10-30.5'	5/6/2016	EPA 8260B	91-20-3	Naphthalene	ND	µg/m ³	8	
A10-30.5'	5/6/2016	EPA 8260B	104-51-8	n-Butylbenzene	ND	µg/m ³	8	
A10-30.5'	5/6/2016	EPA 8260B	109-66-0	n-Pentane	ND	µg/m ³	8	
A10-30.5'	5/6/2016	EPA 8260B	103-65-1	n-Propylbenzene	ND	µg/m ³	8	
A10-30.5'	5/6/2016	EPA 8260B	135-98-8	sec-Butylbenzene	ND	µg/m ³	8	
A10-30.5'	5/6/2016	EPA 8260B	100-42-5	Styrene	ND	µg/m ³	8	
A10-30.5'	5/6/2016	EPA 8260B	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/m ³	400	
A10-30.5'	5/6/2016	EPA 8260B	994-05-8	Tert-amylmethylether (TAME)	ND	µg/m ³	40	
A10-30.5'	5/6/2016	EPA 8260B	98-06-6	tert-Butylbenzene	ND	µg/m ³	8	
A10-30.5'	5/6/2016	EPA 8260B	127-18-4	Tetrachloroethylene	8810	µg/m ³	8	
A10-30.5'	5/6/2016	EPA 8260B	108-88-3	Toluene	60.6	µg/m ³	8	
A10-30.5'	5/6/2016	EPA 8260B	156-60-5	trans-1,2-Dichloroethene	ND	µg/m ³	8	
A10-30.5'	5/6/2016	EPA 8260B	10061-02-6	trans-1,3-Dichloropropene	ND	µg/m ³	8	
A10-30.5'	5/6/2016	EPA 8260B	79-01-6	Trichloroethylene	801	µg/m ³	8	
A10-30.5'	5/6/2016	EPA 8260B	75-69-4	Trichlorofluoromethane	ND	µg/m ³	8	
A10-30.5'	5/6/2016	EPA 8260B	75-01-4	Vinyl Chloride	ND	µg/m ³	8	
A10-30.5'	5/6/2016	EPA 8260B	1330-20-7	Xylenes	31.4	µg/m ³	8	
A11-20.5'	5/6/2016	EPA 8260B	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/m ³	8	
A11-20.5'	5/6/2016	EPA 8260B	71-55-6	1,1,1-Trichloroethane	25.8	µg/m ³	8	
A11-20.5'	5/6/2016	EPA 8260B	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/m ³	8	
A11-20.5'	5/6/2016	EPA 8260B	79-00-5	1,1,2-Trichloroethane	ND	µg/m ³	8	
A11-20.5'	5/6/2016	EPA 8260B	75-34-3	1,1-Dichloroethane	ND	µg/m ³	8	
A11-20.5'	5/6/2016	EPA 8260B	75-35-4	1,1-Dichloroethene	ND	µg/m ³	8	
A11-20.5'	5/6/2016	EPA 8260B	563-58-6	1,1-Dichloropropene	ND	µg/m ³	8	
A11-20.5'	5/6/2016	EPA 8260B	87-61-6	1,2,3-Trichlorobenzene	ND	µg/m ³	8	
A11-20.5'	5/6/2016	EPA 8260B	96-18-4	1,2,3-Trichloropropane	ND	µg/m ³	8	
A11-20.5'	5/6/2016	EPA 8260B	120-82-1	1,2,4-Trichlorobenzene	ND	µg/m ³	8	
A11-20.5'	5/6/2016	EPA 8260B	95-63-6	1,2,4-Trimethylbenzene	22.2	µg/m ³	8	
A11-20.5'	5/6/2016	EPA 8260B	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/m ³	8	
A11-20.5'	5/6/2016	EPA 8260B	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/m ³	8	
A11-20.5'	5/6/2016	EPA 8260B	95-50-1	1,2-Dichlorobenzene	ND	µg/m ³	8	
A11-20.5'	5/6/2016	EPA 8260B	107-06-2	1,2-Dichloroethane	ND	µg/m ³	8	
A11-20.5'	5/6/2016	EPA 8260B	78-87-5	1,2-Dichloropropane	ND	µg/m ³	8	
A11-20.5'	5/6/2016	EPA 8260B	108-67-8	1,3,5-Trimethylbenzene	ND	µg/m ³	8	
A11-20.5'	5/6/2016	EPA 8260B	541-73-1	1,3-Dichlorobenzene	ND	µg/m ³	8	
A11-20.5'	5/6/2016	EPA 8260B	142-28-9	1,3-Dichloropropane	ND	µg/m ³	8	
A11-20.5'	5/6/2016	EPA 8260B	106-46-7	1,4-Dichlorobenzene	ND	µg/m ³	8	
A11-20.5'	5/6/2016	EPA 8260B	594-20-7	2,2-Dichloropropane	ND	µg/m ³	8	
A11-20.5'	5/6/2016	EPA 8260B	95-49-8	2-Chlorotoluene	ND	µg/m ³	8	
A11-20.5'	5/6/2016	EPA 8260B	106-43-4	4-Chlorotoluene	ND	µg/m ³	8	
A11-20.5'	5/6/2016	EPA 8260B	99-87-6	4-Isopropyltoluene	ND	µg/m ³	8	
A11-20.5'	5/6/2016	EPA 8260B	71-43-2	Benzene	ND	µg/m ³	8	
A11-20.5'	5/6/2016	EPA 8260B	108-86-1	Bromobenzene	ND	µg/m ³	8	

Sample Name	Sample Date	Analytical Method	CAS Number	Analyte	Result	Unit	Detection Limit	Lab Qualifier
A11-20.5'	5/6/2016	EPA 8260B	75-27-4	Bromodichloromethane	ND	µg/m ³	8	
A11-20.5'	5/6/2016	EPA 8260B	75-25-2	Bromoform	ND	µg/m ³	8	
A11-20.5'	5/6/2016	EPA 8260B	56-23-5	Carbon Tetrachloride	ND	µg/m ³	8	
A11-20.5'	5/6/2016	EPA 8260B	108-90-7	Chlorobenzene	ND	µg/m ³	8	
A11-20.5'	5/6/2016	EPA 8260B	67-66-3	Chloroform	ND	µg/m ³	8	
A11-20.5'	5/6/2016	EPA 8260B	156-59-2	cis-1,2-Dichloroethene	ND	µg/m ³	8	
A11-20.5'	5/6/2016	EPA 8260B	10061-01-5	cis-1,3-Dichloropropene	ND	µg/m ³	8	
A11-20.5'	5/6/2016	EPA 8260B	124-48-1	Dibromochloromethane	ND	µg/m ³	8	
A11-20.5'	5/6/2016	EPA 8260B	74-95-3	Dibromomethane	ND	µg/m ³	8	
A11-20.5'	5/6/2016	EPA 8260B	75-71-8	Dichlorodifluoromethane	66	µg/m ³	8	
A11-20.5'	5/6/2016	EPA 8260B	108-20-3	Di-isopropylether (DIPE)	ND	µg/m ³	40	
A11-20.5'	5/6/2016	EPA 8260B	100-41-4	Ethylbenzene	ND	µg/m ³	8	
A11-20.5'	5/6/2016	EPA 8260B	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/m ³	40	
A11-20.5'	5/6/2016	EPA 8260B	76-13-1	Freon 113	ND	µg/m ³	40	
A11-20.5'	5/6/2016	EPA 8260B	87-68-3	Hexachlorobutadiene	ND	µg/m ³	8	
A11-20.5'	5/6/2016	EPA 8260B	98-82-8	Isopropylbenzene	ND	µg/m ³	8	
A11-20.5'	5/6/2016	EPA 8260B	75-09-2	Methylene Chloride	ND	µg/m ³	8	
A11-20.5'	5/6/2016	EPA 8260B	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/m ³	40	
A11-20.5'	5/6/2016	EPA 8260B	91-20-3	Naphthalene	ND	µg/m ³	8	
A11-20.5'	5/6/2016	EPA 8260B	104-51-8	n-Butylbenzene	ND	µg/m ³	8	
A11-20.5'	5/6/2016	EPA 8260B	109-66-0	n-Pentane	ND	µg/m ³	8	
A11-20.5'	5/6/2016	EPA 8260B	103-65-1	n-Propylbenzene	ND	µg/m ³	8	
A11-20.5'	5/6/2016	EPA 8260B	135-98-8	sec-Butylbenzene	ND	µg/m ³	8	
A11-20.5'	5/6/2016	EPA 8260B	100-42-5	Styrene	ND	µg/m ³	8	
A11-20.5'	5/6/2016	EPA 8260B	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/m ³	400	
A11-20.5'	5/6/2016	EPA 8260B	994-05-8	Tert-amylmethylether (TAME)	ND	µg/m ³	40	
A11-20.5'	5/6/2016	EPA 8260B	98-06-6	tert-Butylbenzene	ND	µg/m ³	8	
A11-20.5'	5/6/2016	EPA 8260B	127-18-4	Tetrachloroethylene	1800	µg/m ³	8	
A11-20.5'	5/6/2016	EPA 8260B	108-88-3	Toluene	67.6	µg/m ³	8	
A11-20.5'	5/6/2016	EPA 8260B	156-60-5	trans-1,2-Dichloroethene	ND	µg/m ³	8	
A11-20.5'	5/6/2016	EPA 8260B	10061-02-6	trans-1,3-Dichloropropene	ND	µg/m ³	8	
A11-20.5'	5/6/2016	EPA 8260B	79-01-6	Trichloroethylene	30.8	µg/m ³	8	
A11-20.5'	5/6/2016	EPA 8260B	75-69-4	Trichlorofluoromethane	ND	µg/m ³	8	
A11-20.5'	5/6/2016	EPA 8260B	75-01-4	Vinyl Chloride	ND	µg/m ³	8	
A11-20.5'	5/6/2016	EPA 8260B	1330-20-7	Xylenes	59	µg/m ³	8	
A12-17'	5/6/2016	EPA 8260B	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/m ³	8	
A12-17'	5/6/2016	EPA 8260B	71-55-6	1,1,1-Trichloroethane	146	µg/m ³	8	
A12-17'	5/6/2016	EPA 8260B	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/m ³	8	
A12-17'	5/6/2016	EPA 8260B	79-00-5	1,1,2-Trichloroethane	ND	µg/m ³	8	
A12-17'	5/6/2016	EPA 8260B	75-34-3	1,1-Dichloroethane	ND	µg/m ³	8	
A12-17'	5/6/2016	EPA 8260B	75-35-4	1,1-Dichloroethene	ND	µg/m ³	8	
A12-17'	5/6/2016	EPA 8260B	563-58-6	1,1-Dichloropropene	ND	µg/m ³	8	
A12-17'	5/6/2016	EPA 8260B	87-61-6	1,2,3-Trichlorobenzene	ND	µg/m ³	8	
A12-17'	5/6/2016	EPA 8260B	96-18-4	1,2,3-Trichloropropane	ND	µg/m ³	8	
A12-17'	5/6/2016	EPA 8260B	120-82-1	1,2,4-Trichlorobenzene	ND	µg/m ³	8	
A12-17'	5/6/2016	EPA 8260B	95-63-6	1,2,4-Trimethylbenzene	ND	µg/m ³	8	
A12-17'	5/6/2016	EPA 8260B	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/m ³	8	
A12-17'	5/6/2016	EPA 8260B	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/m ³	8	
A12-17'	5/6/2016	EPA 8260B	95-50-1	1,2-Dichlorobenzene	ND	µg/m ³	8	
A12-17'	5/6/2016	EPA 8260B	107-06-2	1,2-Dichloroethane	ND	µg/m ³	8	
A12-17'	5/6/2016	EPA 8260B	78-87-5	1,2-Dichloropropane	ND	µg/m ³	8	
A12-17'	5/6/2016	EPA 8260B	108-67-8	1,3,5-Trimethylbenzene	ND	µg/m ³	8	
A12-17'	5/6/2016	EPA 8260B	541-73-1	1,3-Dichlorobenzene	ND	µg/m ³	8	

Sample Name	Sample Date	Analytical Method	CAS Number	Analyte	Result	Unit	Detection Limit	Lab Qualifier
A12-17'	5/6/2016	EPA 8260B	142-28-9	1,3-Dichloropropane	ND	µg/m ³	8	
A12-17'	5/6/2016	EPA 8260B	106-46-7	1,4-Dichlorobenzene	ND	µg/m ³	8	
A12-17'	5/6/2016	EPA 8260B	594-20-7	2,2-Dichloropropane	ND	µg/m ³	8	
A12-17'	5/6/2016	EPA 8260B	95-49-8	2-Chlorotoluene	ND	µg/m ³	8	
A12-17'	5/6/2016	EPA 8260B	106-43-4	4-Chlorotoluene	ND	µg/m ³	8	
A12-17'	5/6/2016	EPA 8260B	99-87-6	4-Isopropyltoluene	ND	µg/m ³	8	
A12-17'	5/6/2016	EPA 8260B	71-43-2	Benzene	ND	µg/m ³	8	
A12-17'	5/6/2016	EPA 8260B	108-86-1	Bromobenzene	ND	µg/m ³	8	
A12-17'	5/6/2016	EPA 8260B	75-27-4	Bromodichloromethane	ND	µg/m ³	8	
A12-17'	5/6/2016	EPA 8260B	75-25-2	Bromoform	ND	µg/m ³	8	
A12-17'	5/6/2016	EPA 8260B	56-23-5	Carbon Tetrachloride	ND	µg/m ³	8	
A12-17'	5/6/2016	EPA 8260B	108-90-7	Chlorobenzene	ND	µg/m ³	8	
A12-17'	5/6/2016	EPA 8260B	67-66-3	Chloroform	ND	µg/m ³	8	
A12-17'	5/6/2016	EPA 8260B	156-59-2	cis-1,2-Dichloroethene	ND	µg/m ³	8	
A12-17'	5/6/2016	EPA 8260B	10061-01-5	cis-1,3-Dichloropropene	ND	µg/m ³	8	
A12-17'	5/6/2016	EPA 8260B	124-48-1	Dibromochloromethane	ND	µg/m ³	8	
A12-17'	5/6/2016	EPA 8260B	74-95-3	Dibromomethane	ND	µg/m ³	8	
A12-17'	5/6/2016	EPA 8260B	75-71-8	Dichlorodifluoromethane	38.8	µg/m ³	8	
A12-17'	5/6/2016	EPA 8260B	108-20-3	Di-isopropylether (DIPE)	ND	µg/m ³	40	
A12-17'	5/6/2016	EPA 8260B	100-41-4	Ethylbenzene	ND	µg/m ³	8	
A12-17'	5/6/2016	EPA 8260B	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/m ³	40	
A12-17'	5/6/2016	EPA 8260B	76-13-1	Freon 113	ND	µg/m ³	40	
A12-17'	5/6/2016	EPA 8260B	87-68-3	Hexachlorobutadiene	ND	µg/m ³	8	
A12-17'	5/6/2016	EPA 8260B	98-82-8	Isopropylbenzene	ND	µg/m ³	8	
A12-17'	5/6/2016	EPA 8260B	75-09-2	Methylene Chloride	ND	µg/m ³	8	
A12-17'	5/6/2016	EPA 8260B	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/m ³	40	
A12-17'	5/6/2016	EPA 8260B	91-20-3	Naphthalene	ND	µg/m ³	8	
A12-17'	5/6/2016	EPA 8260B	104-51-8	n-Butylbenzene	ND	µg/m ³	8	
A12-17'	5/6/2016	EPA 8260B	109-66-0	n-Pentane	ND	µg/m ³	8	
A12-17'	5/6/2016	EPA 8260B	103-65-1	n-Propylbenzene	ND	µg/m ³	8	
A12-17'	5/6/2016	EPA 8260B	135-98-8	sec-Butylbenzene	ND	µg/m ³	8	
A12-17'	5/6/2016	EPA 8260B	100-42-5	Styrene	ND	µg/m ³	8	
A12-17'	5/6/2016	EPA 8260B	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/m ³	400	
A12-17'	5/6/2016	EPA 8260B	994-05-8	Tert-amylmethylether (TAME)	ND	µg/m ³	40	
A12-17'	5/6/2016	EPA 8260B	98-06-6	tert-Butylbenzene	ND	µg/m ³	8	
A12-17'	5/6/2016	EPA 8260B	127-18-4	Tetrachloroethylene	972	µg/m ³	8	
A12-17'	5/6/2016	EPA 8260B	108-88-3	Toluene	72	µg/m ³	8	
A12-17'	5/6/2016	EPA 8260B	156-60-5	trans-1,2-Dichloroethene	ND	µg/m ³	8	
A12-17'	5/6/2016	EPA 8260B	10061-02-6	trans-1,3-Dichloropropene	ND	µg/m ³	8	
A12-17'	5/6/2016	EPA 8260B	79-01-6	Trichloroethylene	94.4	µg/m ³	8	
A12-17'	5/6/2016	EPA 8260B	75-69-4	Trichlorofluoromethane	ND	µg/m ³	8	
A12-17'	5/6/2016	EPA 8260B	75-01-4	Vinyl Chloride	ND	µg/m ³	8	
A12-17'	5/6/2016	EPA 8260B	1330-20-7	Xylenes	32.2	µg/m ³	8	
A13-17'	5/6/2016	EPA 8260B	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/m ³	8	
A13-17'	5/6/2016	EPA 8260B	71-55-6	1,1,1-Trichloroethane	6060	µg/m ³	8	
A13-17'	5/6/2016	EPA 8260B	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/m ³	8	
A13-17'	5/6/2016	EPA 8260B	79-00-5	1,1,2-Trichloroethane	ND	µg/m ³	8	
A13-17'	5/6/2016	EPA 8260B	75-34-3	1,1-Dichloroethane	ND	µg/m ³	8	
A13-17'	5/6/2016	EPA 8260B	75-35-4	1,1-Dichloroethene	909	µg/m ³	8	
A13-17'	5/6/2016	EPA 8260B	563-58-6	1,1-Dichloropropene	ND	µg/m ³	8	
A13-17'	5/6/2016	EPA 8260B	87-61-6	1,2,3-Trichlorobenzene	ND	µg/m ³	8	
A13-17'	5/6/2016	EPA 8260B	96-18-4	1,2,3-Trichloropropane	ND	µg/m ³	8	
A13-17'	5/6/2016	EPA 8260B	120-82-1	1,2,4-Trichlorobenzene	ND	µg/m ³	8	

Sample Name	Sample Date	Analytical Method	CAS Number	Analyte	Result	Unit	Detection Limit	Lab Qualifier
A13-17'	5/6/2016	EPA 8260B	95-63-6	1,2,4-Trimethylbenzene	ND	µg/m ³	8	
A13-17'	5/6/2016	EPA 8260B	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/m ³	8	
A13-17'	5/6/2016	EPA 8260B	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/m ³	8	
A13-17'	5/6/2016	EPA 8260B	95-50-1	1,2-Dichlorobenzene	ND	µg/m ³	8	
A13-17'	5/6/2016	EPA 8260B	107-06-2	1,2-Dichloroethane	ND	µg/m ³	8	
A13-17'	5/6/2016	EPA 8260B	78-87-5	1,2-Dichloropropane	ND	µg/m ³	8	
A13-17'	5/6/2016	EPA 8260B	108-67-8	1,3,5-Trimethylbenzene	ND	µg/m ³	8	
A13-17'	5/6/2016	EPA 8260B	541-73-1	1,3-Dichlorobenzene	ND	µg/m ³	8	
A13-17'	5/6/2016	EPA 8260B	142-28-9	1,3-Dichloropropane	ND	µg/m ³	8	
A13-17'	5/6/2016	EPA 8260B	106-46-7	1,4-Dichlorobenzene	ND	µg/m ³	8	
A13-17'	5/6/2016	EPA 8260B	594-20-7	2,2-Dichloropropane	ND	µg/m ³	8	
A13-17'	5/6/2016	EPA 8260B	95-49-8	2-Chlorotoluene	ND	µg/m ³	8	
A13-17'	5/6/2016	EPA 8260B	106-43-4	4-Chlorotoluene	ND	µg/m ³	8	
A13-17'	5/6/2016	EPA 8260B	99-87-6	4-Isopropyltoluene	ND	µg/m ³	8	
A13-17'	5/6/2016	EPA 8260B	71-43-2	Benzene	ND	µg/m ³	8	
A13-17'	5/6/2016	EPA 8260B	108-86-1	Bromobenzene	ND	µg/m ³	8	
A13-17'	5/6/2016	EPA 8260B	75-27-4	Bromodichloromethane	ND	µg/m ³	8	
A13-17'	5/6/2016	EPA 8260B	75-25-2	Bromoform	ND	µg/m ³	8	
A13-17'	5/6/2016	EPA 8260B	56-23-5	Carbon Tetrachloride	ND	µg/m ³	8	
A13-17'	5/6/2016	EPA 8260B	108-90-7	Chlorobenzene	ND	µg/m ³	8	
A13-17'	5/6/2016	EPA 8260B	67-66-3	Chloroform	ND	µg/m ³	8	
A13-17'	5/6/2016	EPA 8260B	156-59-2	cis-1,2-Dichloroethene	ND	µg/m ³	8	
A13-17'	5/6/2016	EPA 8260B	10061-01-5	cis-1,3-Dichloropropene	ND	µg/m ³	8	
A13-17'	5/6/2016	EPA 8260B	124-48-1	Dibromochloromethane	ND	µg/m ³	8	
A13-17'	5/6/2016	EPA 8260B	74-95-3	Dibromomethane	ND	µg/m ³	8	
A13-17'	5/6/2016	EPA 8260B	75-71-8	Dichlorodifluoromethane	22.2	µg/m ³	8	
A13-17'	5/6/2016	EPA 8260B	108-20-3	Di-isopropylether (DIPE)	ND	µg/m ³	40	
A13-17'	5/6/2016	EPA 8260B	100-41-4	Ethylbenzene	ND	µg/m ³	8	
A13-17'	5/6/2016	EPA 8260B	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/m ³	40	
A13-17'	5/6/2016	EPA 8260B	76-13-1	Freon 113	ND	µg/m ³	40	
A13-17'	5/6/2016	EPA 8260B	87-68-3	Hexachlorobutadiene	ND	µg/m ³	8	
A13-17'	5/6/2016	EPA 8260B	98-82-8	Isopropylbenzene	ND	µg/m ³	8	
A13-17'	5/6/2016	EPA 8260B	75-09-2	Methylene Chloride	ND	µg/m ³	8	
A13-17'	5/6/2016	EPA 8260B	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/m ³	40	
A13-17'	5/6/2016	EPA 8260B	91-20-3	Naphthalene	ND	µg/m ³	8	
A13-17'	5/6/2016	EPA 8260B	104-51-8	n-Butylbenzene	ND	µg/m ³	8	
A13-17'	5/6/2016	EPA 8260B	109-66-0	n-Pentane	ND	µg/m ³	8	
A13-17'	5/6/2016	EPA 8260B	103-65-1	n-Propylbenzene	ND	µg/m ³	8	
A13-17'	5/6/2016	EPA 8260B	135-98-8	sec-Butylbenzene	ND	µg/m ³	8	
A13-17'	5/6/2016	EPA 8260B	100-42-5	Styrene	ND	µg/m ³	8	
A13-17'	5/6/2016	EPA 8260B	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/m ³	400	
A13-17'	5/6/2016	EPA 8260B	994-05-8	Tert-amylmethylether (TAME)	ND	µg/m ³	40	
A13-17'	5/6/2016	EPA 8260B	98-06-6	tert-Butylbenzene	ND	µg/m ³	8	
A13-17'	5/6/2016	EPA 8260B	127-18-4	Tetrachloroethylene	845	µg/m ³	8	
A13-17'	5/6/2016	EPA 8260B	108-88-3	Toluene	52.4	µg/m ³	8	
A13-17'	5/6/2016	EPA 8260B	156-60-5	trans-1,2-Dichloroethene	ND	µg/m ³	8	
A13-17'	5/6/2016	EPA 8260B	10061-02-6	trans-1,3-Dichloropropene	ND	µg/m ³	8	
A13-17'	5/6/2016	EPA 8260B	79-01-6	Trichloroethylene	82.6	µg/m ³	8	
A13-17'	5/6/2016	EPA 8260B	75-69-4	Trichlorofluoromethane	ND	µg/m ³	8	
A13-17'	5/6/2016	EPA 8260B	75-01-4	Vinyl Chloride	ND	µg/m ³	8	
A13-17'	5/6/2016	EPA 8260B	1330-20-7	Xylenes	ND	µg/m ³	8	
A13-17' REP	5/6/2016	EPA 8260B	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/m ³	8	
A13-17' REP	5/6/2016	EPA 8260B	71-55-6	1,1,1-Trichloroethane	5880	µg/m ³	8	

Sample Name	Sample Date	Analytical Method	CAS Number	Analyte	Result	Unit	Detection Limit	Lab Qualifier
A13-17' REP	5/6/2016	EPA 8260B	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/m ³	8	
A13-17' REP	5/6/2016	EPA 8260B	79-00-5	1,1,2-Trichloroethane	ND	µg/m ³	8	
A13-17' REP	5/6/2016	EPA 8260B	75-34-3	1,1-Dichloroethane	ND	µg/m ³	8	
A13-17' REP	5/6/2016	EPA 8260B	75-35-4	1,1-Dichloroethene	907	µg/m ³	8	
A13-17' REP	5/6/2016	EPA 8260B	563-58-6	1,1-Dichloropropene	ND	µg/m ³	8	
A13-17' REP	5/6/2016	EPA 8260B	87-61-6	1,2,3-Trichlorobenzene	ND	µg/m ³	8	
A13-17' REP	5/6/2016	EPA 8260B	96-18-4	1,2,3-Trichloropropane	ND	µg/m ³	8	
A13-17' REP	5/6/2016	EPA 8260B	120-82-1	1,2,4-Trichlorobenzene	ND	µg/m ³	8	
A13-17' REP	5/6/2016	EPA 8260B	95-63-6	1,2,4-Trimethylbenzene	ND	µg/m ³	8	
A13-17' REP	5/6/2016	EPA 8260B	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/m ³	8	
A13-17' REP	5/6/2016	EPA 8260B	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/m ³	8	
A13-17' REP	5/6/2016	EPA 8260B	95-50-1	1,2-Dichlorobenzene	ND	µg/m ³	8	
A13-17' REP	5/6/2016	EPA 8260B	107-06-2	1,2-Dichloroethane	ND	µg/m ³	8	
A13-17' REP	5/6/2016	EPA 8260B	78-87-5	1,2-Dichloropropane	ND	µg/m ³	8	
A13-17' REP	5/6/2016	EPA 8260B	108-67-8	1,3,5-Trimethylbenzene	ND	µg/m ³	8	
A13-17' REP	5/6/2016	EPA 8260B	541-73-1	1,3-Dichlorobenzene	ND	µg/m ³	8	
A13-17' REP	5/6/2016	EPA 8260B	142-28-9	1,3-Dichloropropane	ND	µg/m ³	8	
A13-17' REP	5/6/2016	EPA 8260B	106-46-7	1,4-Dichlorobenzene	ND	µg/m ³	8	
A13-17' REP	5/6/2016	EPA 8260B	594-20-7	2,2-Dichloropropane	ND	µg/m ³	8	
A13-17' REP	5/6/2016	EPA 8260B	95-49-8	2-Chlorotoluene	ND	µg/m ³	8	
A13-17' REP	5/6/2016	EPA 8260B	106-43-4	4-Chlorotoluene	ND	µg/m ³	8	
A13-17' REP	5/6/2016	EPA 8260B	99-87-6	4-Isopropyltoluene	ND	µg/m ³	8	
A13-17' REP	5/6/2016	EPA 8260B	71-43-2	Benzene	ND	µg/m ³	8	
A13-17' REP	5/6/2016	EPA 8260B	108-86-1	Bromobenzene	ND	µg/m ³	8	
A13-17' REP	5/6/2016	EPA 8260B	75-27-4	Bromodichloromethane	ND	µg/m ³	8	
A13-17' REP	5/6/2016	EPA 8260B	75-25-2	Bromoform	ND	µg/m ³	8	
A13-17' REP	5/6/2016	EPA 8260B	56-23-5	Carbon Tetrachloride	ND	µg/m ³	8	
A13-17' REP	5/6/2016	EPA 8260B	108-90-7	Chlorobenzene	ND	µg/m ³	8	
A13-17' REP	5/6/2016	EPA 8260B	67-66-3	Chloroform	ND	µg/m ³	8	
A13-17' REP	5/6/2016	EPA 8260B	156-59-2	cis-1,2-Dichloroethene	ND	µg/m ³	8	
A13-17' REP	5/6/2016	EPA 8260B	10061-01-5	cis-1,3-Dichloropropene	ND	µg/m ³	8	
A13-17' REP	5/6/2016	EPA 8260B	124-48-1	Dibromochloromethane	ND	µg/m ³	8	
A13-17' REP	5/6/2016	EPA 8260B	74-95-3	Dibromomethane	ND	µg/m ³	8	
A13-17' REP	5/6/2016	EPA 8260B	75-71-8	Dichlorodifluoromethane	23.6	µg/m ³	8	
A13-17' REP	5/6/2016	EPA 8260B	108-20-3	Di-isopropylether (DIPE)	ND	µg/m ³	40	
A13-17' REP	5/6/2016	EPA 8260B	100-41-4	Ethylbenzene	ND	µg/m ³	8	
A13-17' REP	5/6/2016	EPA 8260B	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/m ³	40	
A13-17' REP	5/6/2016	EPA 8260B	76-13-1	Freon 113	ND	µg/m ³	40	
A13-17' REP	5/6/2016	EPA 8260B	87-68-3	Hexachlorobutadiene	ND	µg/m ³	8	
A13-17' REP	5/6/2016	EPA 8260B	98-82-8	Isopropylbenzene	ND	µg/m ³	8	
A13-17' REP	5/6/2016	EPA 8260B	75-09-2	Methylene Chloride	ND	µg/m ³	8	
A13-17' REP	5/6/2016	EPA 8260B	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/m ³	40	
A13-17' REP	5/6/2016	EPA 8260B	91-20-3	Naphthalene	ND	µg/m ³	8	
A13-17' REP	5/6/2016	EPA 8260B	104-51-8	n-Butylbenzene	ND	µg/m ³	8	
A13-17' REP	5/6/2016	EPA 8260B	109-66-0	n-Pentane	ND	µg/m ³	8	
A13-17' REP	5/6/2016	EPA 8260B	103-65-1	n-Propylbenzene	ND	µg/m ³	8	
A13-17' REP	5/6/2016	EPA 8260B	135-98-8	sec-Butylbenzene	ND	µg/m ³	8	
A13-17' REP	5/6/2016	EPA 8260B	100-42-5	Styrene	ND	µg/m ³	8	
A13-17' REP	5/6/2016	EPA 8260B	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/m ³	400	
A13-17' REP	5/6/2016	EPA 8260B	994-05-8	Tert-amylmethylether (TAME)	ND	µg/m ³	40	
A13-17' REP	5/6/2016	EPA 8260B	98-06-6	tert-Butylbenzene	ND	µg/m ³	8	
A13-17' REP	5/6/2016	EPA 8260B	127-18-4	Tetrachloroethylene	1070	µg/m ³	8	
A13-17' REP	5/6/2016	EPA 8260B	108-88-3	Toluene	ND	µg/m ³	8	

Sample Name	Sample Date	Analytical Method	CAS Number	Analyte	Result	Unit	Detection Limit	Lab Qualifier
A13-17' REP	5/6/2016	EPA 8260B	156-60-5	trans-1,2-Dichloroethene	ND	µg/m ³	8	
A13-17' REP	5/6/2016	EPA 8260B	10061-02-6	trans-1,3-Dichloropropene	ND	µg/m ³	8	
A13-17' REP	5/6/2016	EPA 8260B	79-01-6	Trichloroethylene	243	µg/m ³	8	
A13-17' REP	5/6/2016	EPA 8260B	75-69-4	Trichlorofluoromethane	ND	µg/m ³	8	
A13-17' REP	5/6/2016	EPA 8260B	75-01-4	Vinyl Chloride	ND	µg/m ³	8	
A13-17' REP	5/6/2016	EPA 8260B	1330-20-7	Xylenes	ND	µg/m ³	8	
B2-16.5'	5/6/2016	EPA 8260B	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/m ³	8	
B2-16.5'	5/6/2016	EPA 8260B	71-55-6	1,1,1-Trichloroethane	67.6	µg/m ³	8	
B2-16.5'	5/6/2016	EPA 8260B	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/m ³	8	
B2-16.5'	5/6/2016	EPA 8260B	79-00-5	1,1,2-Trichloroethane	ND	µg/m ³	8	
B2-16.5'	5/6/2016	EPA 8260B	75-34-3	1,1-Dichloroethane	ND	µg/m ³	8	
B2-16.5'	5/6/2016	EPA 8260B	75-35-4	1,1-Dichloroethene	ND	µg/m ³	8	
B2-16.5'	5/6/2016	EPA 8260B	563-58-6	1,1-Dichloropropene	ND	µg/m ³	8	
B2-16.5'	5/6/2016	EPA 8260B	87-61-6	1,2,3-Trichlorobenzene	ND	µg/m ³	8	
B2-16.5'	5/6/2016	EPA 8260B	96-18-4	1,2,3-Trichloropropane	ND	µg/m ³	8	
B2-16.5'	5/6/2016	EPA 8260B	120-82-1	1,2,4-Trichlorobenzene	ND	µg/m ³	8	
B2-16.5'	5/6/2016	EPA 8260B	95-63-6	1,2,4-Trimethylbenzene	124	µg/m ³	8	
B2-16.5'	5/6/2016	EPA 8260B	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/m ³	8	
B2-16.5'	5/6/2016	EPA 8260B	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/m ³	8	
B2-16.5'	5/6/2016	EPA 8260B	95-50-1	1,2-Dichlorobenzene	ND	µg/m ³	8	
B2-16.5'	5/6/2016	EPA 8260B	107-06-2	1,2-Dichloroethane	ND	µg/m ³	8	
B2-16.5'	5/6/2016	EPA 8260B	78-87-5	1,2-Dichloropropane	ND	µg/m ³	8	
B2-16.5'	5/6/2016	EPA 8260B	108-67-8	1,3,5-Trimethylbenzene	31.8	µg/m ³	8	
B2-16.5'	5/6/2016	EPA 8260B	541-73-1	1,3-Dichlorobenzene	ND	µg/m ³	8	
B2-16.5'	5/6/2016	EPA 8260B	142-28-9	1,3-Dichloropropane	ND	µg/m ³	8	
B2-16.5'	5/6/2016	EPA 8260B	106-46-7	1,4-Dichlorobenzene	ND	µg/m ³	8	
B2-16.5'	5/6/2016	EPA 8260B	594-20-7	2,2-Dichloropropane	ND	µg/m ³	8	
B2-16.5'	5/6/2016	EPA 8260B	95-49-8	2-Chlorotoluene	ND	µg/m ³	8	
B2-16.5'	5/6/2016	EPA 8260B	106-43-4	4-Chlorotoluene	ND	µg/m ³	8	
B2-16.5'	5/6/2016	EPA 8260B	99-87-6	4-Isopropyltoluene	23.2	µg/m ³	8	
B2-16.5'	5/6/2016	EPA 8260B	71-43-2	Benzene	65	µg/m ³	8	
B2-16.5'	5/6/2016	EPA 8260B	108-86-1	Bromobenzene	ND	µg/m ³	8	
B2-16.5'	5/6/2016	EPA 8260B	75-27-4	Bromodichloromethane	ND	µg/m ³	8	
B2-16.5'	5/6/2016	EPA 8260B	75-25-2	Bromoform	ND	µg/m ³	8	
B2-16.5'	5/6/2016	EPA 8260B	56-23-5	Carbon Tetrachloride	ND	µg/m ³	8	
B2-16.5'	5/6/2016	EPA 8260B	108-90-7	Chlorobenzene	ND	µg/m ³	8	
B2-16.5'	5/6/2016	EPA 8260B	67-66-3	Chloroform	ND	µg/m ³	8	
B2-16.5'	5/6/2016	EPA 8260B	156-59-2	cis-1,2-Dichloroethene	ND	µg/m ³	8	
B2-16.5'	5/6/2016	EPA 8260B	10061-01-5	cis-1,3-Dichloropropene	ND	µg/m ³	8	
B2-16.5'	5/6/2016	EPA 8260B	124-48-1	Dibromochloromethane	ND	µg/m ³	8	
B2-16.5'	5/6/2016	EPA 8260B	74-95-3	Dibromomethane	ND	µg/m ³	8	
B2-16.5'	5/6/2016	EPA 8260B	75-71-8	Dichlorodifluoromethane	116	µg/m ³	8	
B2-16.5'	5/6/2016	EPA 8260B	108-20-3	Di-isopropylether (DIPE)	ND	µg/m ³	40	
B2-16.5'	5/6/2016	EPA 8260B	100-41-4	Ethylbenzene	105	µg/m ³	8	
B2-16.5'	5/6/2016	EPA 8260B	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/m ³	40	
B2-16.5'	5/6/2016	EPA 8260B	76-13-1	Freon 113	ND	µg/m ³	40	
B2-16.5'	5/6/2016	EPA 8260B	87-68-3	Hexachlorobutadiene	ND	µg/m ³	8	
B2-16.5'	5/6/2016	EPA 8260B	98-82-8	Isopropylbenzene	ND	µg/m ³	8	
B2-16.5'	5/6/2016	EPA 8260B	75-09-2	Methylene Chloride	ND	µg/m ³	8	
B2-16.5'	5/6/2016	EPA 8260B	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/m ³	40	
B2-16.5'	5/6/2016	EPA 8260B	91-20-3	Naphthalene	ND	µg/m ³	8	
B2-16.5'	5/6/2016	EPA 8260B	104-51-8	n-Butylbenzene	ND	µg/m ³	8	
B2-16.5'	5/6/2016	EPA 8260B	109-66-0	n-Pentane	ND	µg/m ³	8	

Sample Name	Sample Date	Analytical Method	CAS Number	Analyte	Result	Unit	Detection Limit	Lab Qualifier
B2-16.5'	5/6/2016	EPA 8260B	103-65-1	n-Propylbenzene	ND	µg/m ³	8	
B2-16.5'	5/6/2016	EPA 8260B	135-98-8	sec-Butylbenzene	ND	µg/m ³	8	
B2-16.5'	5/6/2016	EPA 8260B	100-42-5	Styrene	ND	µg/m ³	8	
B2-16.5'	5/6/2016	EPA 8260B	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/m ³	400	
B2-16.5'	5/6/2016	EPA 8260B	994-05-8	Tert-amylmethylether (TAME)	ND	µg/m ³	40	
B2-16.5'	5/6/2016	EPA 8260B	98-06-6	tert-Butylbenzene	ND	µg/m ³	8	
B2-16.5'	5/6/2016	EPA 8260B	127-18-4	Tetrachloroethylene	3310	µg/m ³	8	
B2-16.5'	5/6/2016	EPA 8260B	108-88-3	Toluene	574	µg/m ³	8	
B2-16.5'	5/6/2016	EPA 8260B	156-60-5	trans-1,2-Dichloroethene	ND	µg/m ³	8	
B2-16.5'	5/6/2016	EPA 8260B	10061-02-6	trans-1,3-Dichloropropene	ND	µg/m ³	8	
B2-16.5'	5/6/2016	EPA 8260B	79-01-6	Trichloroethylene	78.4	µg/m ³	8	
B2-16.5'	5/6/2016	EPA 8260B	75-69-4	Trichlorofluoromethane	10.8	µg/m ³	8	
B2-16.5'	5/6/2016	EPA 8260B	75-01-4	Vinyl Chloride	ND	µg/m ³	8	
B2-16.5'	5/6/2016	EPA 8260B	1330-20-7	Xylenes	628	µg/m ³	8	
B3-17'	5/6/2016	EPA 8260B	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/m ³	8	
B3-17'	5/6/2016	EPA 8260B	71-55-6	1,1,1-Trichloroethane	28.2	µg/m ³	8	
B3-17'	5/6/2016	EPA 8260B	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/m ³	8	
B3-17'	5/6/2016	EPA 8260B	79-00-5	1,1,2-Trichloroethane	ND	µg/m ³	8	
B3-17'	5/6/2016	EPA 8260B	75-34-3	1,1-Dichloroethane	ND	µg/m ³	8	
B3-17'	5/6/2016	EPA 8260B	75-35-4	1,1-Dichloroethene	ND	µg/m ³	8	
B3-17'	5/6/2016	EPA 8260B	563-58-6	1,1-Dichloropropene	ND	µg/m ³	8	
B3-17'	5/6/2016	EPA 8260B	87-61-6	1,2,3-Trichlorobenzene	ND	µg/m ³	8	
B3-17'	5/6/2016	EPA 8260B	96-18-4	1,2,3-Trichloropropane	ND	µg/m ³	8	
B3-17'	5/6/2016	EPA 8260B	120-82-1	1,2,4-Trichlorobenzene	ND	µg/m ³	8	
B3-17'	5/6/2016	EPA 8260B	95-63-6	1,2,4-Trimethylbenzene	619	µg/m ³	8	
B3-17'	5/6/2016	EPA 8260B	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/m ³	8	
B3-17'	5/6/2016	EPA 8260B	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/m ³	8	
B3-17'	5/6/2016	EPA 8260B	95-50-1	1,2-Dichlorobenzene	ND	µg/m ³	8	
B3-17'	5/6/2016	EPA 8260B	107-06-2	1,2-Dichloroethane	ND	µg/m ³	8	
B3-17'	5/6/2016	EPA 8260B	78-87-5	1,2-Dichloropropane	ND	µg/m ³	8	
B3-17'	5/6/2016	EPA 8260B	108-67-8	1,3,5-Trimethylbenzene	177	µg/m ³	8	
B3-17'	5/6/2016	EPA 8260B	541-73-1	1,3-Dichlorobenzene	ND	µg/m ³	8	
B3-17'	5/6/2016	EPA 8260B	142-28-9	1,3-Dichloropropane	ND	µg/m ³	8	
B3-17'	5/6/2016	EPA 8260B	106-46-7	1,4-Dichlorobenzene	ND	µg/m ³	8	
B3-17'	5/6/2016	EPA 8260B	594-20-7	2,2-Dichloropropane	ND	µg/m ³	8	
B3-17'	5/6/2016	EPA 8260B	95-49-8	2-Chlorotoluene	ND	µg/m ³	8	
B3-17'	5/6/2016	EPA 8260B	106-43-4	4-Chlorotoluene	ND	µg/m ³	8	
B3-17'	5/6/2016	EPA 8260B	99-87-6	4-Isopropyltoluene	4050	µg/m ³	8	
B3-17'	5/6/2016	EPA 8260B	71-43-2	Benzene	124	µg/m ³	8	
B3-17'	5/6/2016	EPA 8260B	108-86-1	Bromobenzene	ND	µg/m ³	8	
B3-17'	5/6/2016	EPA 8260B	75-27-4	Bromodichloromethane	ND	µg/m ³	8	
B3-17'	5/6/2016	EPA 8260B	75-25-2	Bromoform	ND	µg/m ³	8	
B3-17'	5/6/2016	EPA 8260B	56-23-5	Carbon Tetrachloride	ND	µg/m ³	8	
B3-17'	5/6/2016	EPA 8260B	108-90-7	Chlorobenzene	ND	µg/m ³	8	
B3-17'	5/6/2016	EPA 8260B	67-66-3	Chloroform	ND	µg/m ³	8	
B3-17'	5/6/2016	EPA 8260B	156-59-2	cis-1,2-Dichloroethene	ND	µg/m ³	8	
B3-17'	5/6/2016	EPA 8260B	10061-01-5	cis-1,3-Dichloropropene	ND	µg/m ³	8	
B3-17'	5/6/2016	EPA 8260B	124-48-1	Dibromochloromethane	ND	µg/m ³	8	
B3-17'	5/6/2016	EPA 8260B	74-95-3	Dibromomethane	ND	µg/m ³	8	
B3-17'	5/6/2016	EPA 8260B	75-71-8	Dichlorodifluoromethane	32.8	µg/m ³	8	
B3-17'	5/6/2016	EPA 8260B	108-20-3	Di-isopropylether (DIPE)	ND	µg/m ³	40	
B3-17'	5/6/2016	EPA 8260B	100-41-4	Ethylbenzene	335	µg/m ³	8	
B3-17'	5/6/2016	EPA 8260B	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/m ³	40	

Sample Name	Sample Date	Analytical Method	CAS Number	Analyte	Result	Unit	Detection Limit	Lab Qualifier
B3-17'	5/6/2016	EPA 8260B	76-13-1	Freon 113	ND	µg/m ³	40	
B3-17'	5/6/2016	EPA 8260B	87-68-3	Hexachlorobutadiene	ND	µg/m ³	8	
B3-17'	5/6/2016	EPA 8260B	98-82-8	Isopropylbenzene	ND	µg/m ³	8	
B3-17'	5/6/2016	EPA 8260B	75-09-2	Methylene Chloride	ND	µg/m ³	8	
B3-17'	5/6/2016	EPA 8260B	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/m ³	40	
B3-17'	5/6/2016	EPA 8260B	91-20-3	Naphthalene	ND	µg/m ³	8	
B3-17'	5/6/2016	EPA 8260B	104-51-8	n-Butylbenzene	ND	µg/m ³	8	
B3-17'	5/6/2016	EPA 8260B	109-66-0	n-Pentane	ND	µg/m ³	8	
B3-17'	5/6/2016	EPA 8260B	103-65-1	n-Propylbenzene	67.6	µg/m ³	8	
B3-17'	5/6/2016	EPA 8260B	135-98-8	sec-Butylbenzene	ND	µg/m ³	8	
B3-17'	5/6/2016	EPA 8260B	100-42-5	Styrene	ND	µg/m ³	8	
B3-17'	5/6/2016	EPA 8260B	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/m ³	400	
B3-17'	5/6/2016	EPA 8260B	994-05-8	Tert-amylmethylether (TAME)	ND	µg/m ³	40	
B3-17'	5/6/2016	EPA 8260B	98-06-6	tert-Butylbenzene	ND	µg/m ³	8	
B3-17'	5/6/2016	EPA 8260B	127-18-4	Tetrachloroethylene	11300	µg/m ³	8	
B3-17'	5/6/2016	EPA 8260B	108-88-3	Toluene	1290	µg/m ³	8	
B3-17'	5/6/2016	EPA 8260B	156-60-5	trans-1,2-Dichloroethene	ND	µg/m ³	8	
B3-17'	5/6/2016	EPA 8260B	10061-02-6	trans-1,3-Dichloropropene	ND	µg/m ³	8	
B3-17'	5/6/2016	EPA 8260B	79-01-6	Trichloroethylene	69.6	µg/m ³	8	
B3-17'	5/6/2016	EPA 8260B	75-69-4	Trichlorofluoromethane	ND	µg/m ³	8	
B3-17'	5/6/2016	EPA 8260B	75-01-4	Vinyl Chloride	ND	µg/m ³	8	
B3-17'	5/6/2016	EPA 8260B	1330-20-7	Xylenes	1850	µg/m ³	8	
B4-19'	5/6/2016	EPA 8260B	630-20-6	1,1,1,2-Tetrachloroethane	48.2	µg/m ³	8	
B4-19'	5/6/2016	EPA 8260B	71-55-6	1,1,1-Trichloroethane	ND	µg/m ³	8	
B4-19'	5/6/2016	EPA 8260B	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/m ³	8	
B4-19'	5/6/2016	EPA 8260B	79-00-5	1,1,2-Trichloroethane	ND	µg/m ³	8	
B4-19'	5/6/2016	EPA 8260B	75-34-3	1,1-Dichloroethane	ND	µg/m ³	8	
B4-19'	5/6/2016	EPA 8260B	75-35-4	1,1-Dichloroethene	ND	µg/m ³	8	
B4-19'	5/6/2016	EPA 8260B	563-58-6	1,1-Dichloropropene	ND	µg/m ³	8	
B4-19'	5/6/2016	EPA 8260B	87-61-6	1,2,3-Trichlorobenzene	ND	µg/m ³	8	
B4-19'	5/6/2016	EPA 8260B	96-18-4	1,2,3-Trichloropropane	ND	µg/m ³	8	
B4-19'	5/6/2016	EPA 8260B	120-82-1	1,2,4-Trichlorobenzene	ND	µg/m ³	8	
B4-19'	5/6/2016	EPA 8260B	95-63-6	1,2,4-Trimethylbenzene	56.9	µg/m ³	8	
B4-19'	5/6/2016	EPA 8260B	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/m ³	8	
B4-19'	5/6/2016	EPA 8260B	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/m ³	8	
B4-19'	5/6/2016	EPA 8260B	95-50-1	1,2-Dichlorobenzene	ND	µg/m ³	8	
B4-19'	5/6/2016	EPA 8260B	107-06-2	1,2-Dichloroethane	ND	µg/m ³	8	
B4-19'	5/6/2016	EPA 8260B	78-87-5	1,2-Dichloropropane	ND	µg/m ³	8	
B4-19'	5/6/2016	EPA 8260B	108-67-8	1,3,5-Trimethylbenzene	20.4	µg/m ³	8	
B4-19'	5/6/2016	EPA 8260B	541-73-1	1,3-Dichlorobenzene	ND	µg/m ³	8	
B4-19'	5/6/2016	EPA 8260B	142-28-9	1,3-Dichloropropane	ND	µg/m ³	8	
B4-19'	5/6/2016	EPA 8260B	106-46-7	1,4-Dichlorobenzene	ND	µg/m ³	8	
B4-19'	5/6/2016	EPA 8260B	594-20-7	2,2-Dichloropropane	ND	µg/m ³	8	
B4-19'	5/6/2016	EPA 8260B	95-49-8	2-Chlorotoluene	ND	µg/m ³	8	
B4-19'	5/6/2016	EPA 8260B	106-43-4	4-Chlorotoluene	ND	µg/m ³	8	
B4-19'	5/6/2016	EPA 8260B	99-87-6	4-Isopropyltoluene	60.6	µg/m ³	8	
B4-19'	5/6/2016	EPA 8260B	71-43-2	Benzene	20.8	µg/m ³	8	
B4-19'	5/6/2016	EPA 8260B	108-86-1	Bromobenzene	ND	µg/m ³	8	
B4-19'	5/6/2016	EPA 8260B	75-27-4	Bromodichloromethane	ND	µg/m ³	8	
B4-19'	5/6/2016	EPA 8260B	75-25-2	Bromoform	ND	µg/m ³	8	
B4-19'	5/6/2016	EPA 8260B	56-23-5	Carbon Tetrachloride	ND	µg/m ³	8	
B4-19'	5/6/2016	EPA 8260B	108-90-7	Chlorobenzene	ND	µg/m ³	8	
B4-19'	5/6/2016	EPA 8260B	67-66-3	Chloroform	ND	µg/m ³	8	

Sample Name	Sample Date	Analytical Method	CAS Number	Analyte	Result	Unit	Detection Limit	Lab Qualifier
B4-19'	5/6/2016	EPA 8260B	156-59-2	cis-1,2-Dichloroethene	ND	µg/m ³	8	
B4-19'	5/6/2016	EPA 8260B	10061-01-5	cis-1,3-Dichloropropene	ND	µg/m ³	8	
B4-19'	5/6/2016	EPA 8260B	124-48-1	Dibromochloromethane	ND	µg/m ³	8	
B4-19'	5/6/2016	EPA 8260B	74-95-3	Dibromomethane	ND	µg/m ³	8	
B4-19'	5/6/2016	EPA 8260B	75-71-8	Dichlorodifluoromethane	90.8	µg/m ³	8	
B4-19'	5/6/2016	EPA 8260B	108-20-3	Di-isopropylether (DIPE)	ND	µg/m ³	40	
B4-19'	5/6/2016	EPA 8260B	100-41-4	Ethylbenzene	30.5	µg/m ³	8	
B4-19'	5/6/2016	EPA 8260B	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/m ³	40	
B4-19'	5/6/2016	EPA 8260B	76-13-1	Freon 113	ND	µg/m ³	40	
B4-19'	5/6/2016	EPA 8260B	87-68-3	Hexachlorobutadiene	ND	µg/m ³	8	
B4-19'	5/6/2016	EPA 8260B	98-82-8	Isopropylbenzene	ND	µg/m ³	8	
B4-19'	5/6/2016	EPA 8260B	75-09-2	Methylene Chloride	ND	µg/m ³	8	
B4-19'	5/6/2016	EPA 8260B	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/m ³	40	
B4-19'	5/6/2016	EPA 8260B	91-20-3	Naphthalene	ND	µg/m ³	8	
B4-19'	5/6/2016	EPA 8260B	104-51-8	n-Butylbenzene	24.2	µg/m ³	8	
B4-19'	5/6/2016	EPA 8260B	109-66-0	n-Pentane	ND	µg/m ³	8	
B4-19'	5/6/2016	EPA 8260B	103-65-1	n-Propylbenzene	ND	µg/m ³	8	
B4-19'	5/6/2016	EPA 8260B	135-98-8	sec-Butylbenzene	ND	µg/m ³	8	
B4-19'	5/6/2016	EPA 8260B	100-42-5	Styrene	ND	µg/m ³	8	
B4-19'	5/6/2016	EPA 8260B	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/m ³	400	
B4-19'	5/6/2016	EPA 8260B	994-05-8	Tert-amylmethylether (TAME)	ND	µg/m ³	40	
B4-19'	5/6/2016	EPA 8260B	98-06-6	tert-Butylbenzene	ND	µg/m ³	8	
B4-19'	5/6/2016	EPA 8260B	127-18-4	Tetrachloroethylene	1030000	µg/m ³	8	D
B4-19'	5/6/2016	EPA 8260B	108-88-3	Toluene	127	µg/m ³	8	
B4-19'	5/6/2016	EPA 8260B	156-60-5	trans-1,2-Dichloroethene	ND	µg/m ³	8	
B4-19'	5/6/2016	EPA 8260B	10061-02-6	trans-1,3-Dichloropropene	ND	µg/m ³	8	
B4-19'	5/6/2016	EPA 8260B	79-01-6	Trichloroethylene	431	µg/m ³	8	
B4-19'	5/6/2016	EPA 8260B	75-69-4	Trichlorofluoromethane	ND	µg/m ³	8	
B4-19'	5/6/2016	EPA 8260B	75-01-4	Vinyl Chloride	ND	µg/m ³	8	
B4-19'	5/6/2016	EPA 8260B	1330-20-7	Xylenes	182	µg/m ³	8	
B5-20'	5/6/2016	EPA 8260B	630-20-6	1,1,1,2-Tetrachloroethane	103	µg/m ³	8	
B5-20'	5/6/2016	EPA 8260B	71-55-6	1,1,1-Trichloroethane	ND	µg/m ³	8	
B5-20'	5/6/2016	EPA 8260B	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/m ³	8	
B5-20'	5/6/2016	EPA 8260B	79-00-5	1,1,2-Trichloroethane	ND	µg/m ³	8	
B5-20'	5/6/2016	EPA 8260B	75-34-3	1,1-Dichloroethane	ND	µg/m ³	8	
B5-20'	5/6/2016	EPA 8260B	75-35-4	1,1-Dichloroethene	ND	µg/m ³	8	
B5-20'	5/6/2016	EPA 8260B	563-58-6	1,1-Dichloropropene	ND	µg/m ³	8	
B5-20'	5/6/2016	EPA 8260B	87-61-6	1,2,3-Trichlorobenzene	ND	µg/m ³	8	
B5-20'	5/6/2016	EPA 8260B	96-18-4	1,2,3-Trichloropropane	ND	µg/m ³	8	
B5-20'	5/6/2016	EPA 8260B	120-82-1	1,2,4-Trichlorobenzene	ND	µg/m ³	8	
B5-20'	5/6/2016	EPA 8260B	95-63-6	1,2,4-Trimethylbenzene	20	µg/m ³	8	
B5-20'	5/6/2016	EPA 8260B	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/m ³	8	
B5-20'	5/6/2016	EPA 8260B	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/m ³	8	
B5-20'	5/6/2016	EPA 8260B	95-50-1	1,2-Dichlorobenzene	ND	µg/m ³	8	
B5-20'	5/6/2016	EPA 8260B	107-06-2	1,2-Dichloroethane	ND	µg/m ³	8	
B5-20'	5/6/2016	EPA 8260B	78-87-5	1,2-Dichloropropane	ND	µg/m ³	8	
B5-20'	5/6/2016	EPA 8260B	108-67-8	1,3,5-Trimethylbenzene	ND	µg/m ³	8	
B5-20'	5/6/2016	EPA 8260B	541-73-1	1,3-Dichlorobenzene	ND	µg/m ³	8	
B5-20'	5/6/2016	EPA 8260B	142-28-9	1,3-Dichloropropane	ND	µg/m ³	8	
B5-20'	5/6/2016	EPA 8260B	106-46-7	1,4-Dichlorobenzene	ND	µg/m ³	8	
B5-20'	5/6/2016	EPA 8260B	594-20-7	2,2-Dichloropropane	ND	µg/m ³	8	
B5-20'	5/6/2016	EPA 8260B	95-49-8	2-Chlorotoluene	ND	µg/m ³	8	
B5-20'	5/6/2016	EPA 8260B	106-43-4	4-Chlorotoluene	ND	µg/m ³	8	

Sample Name	Sample Date	Analytical Method	CAS Number	Analyte	Result	Unit	Detection Limit	Lab Qualifier
B5-20'	5/6/2016	EPA 8260B	99-87-6	4-Isopropyltoluene	27.9	µg/m ³	8	
B5-20'	5/6/2016	EPA 8260B	71-43-2	Benzene	13.4	µg/m ³	8	
B5-20'	5/6/2016	EPA 8260B	108-86-1	Bromobenzene	ND	µg/m ³	8	
B5-20'	5/6/2016	EPA 8260B	75-27-4	Bromodichloromethane	ND	µg/m ³	8	
B5-20'	5/6/2016	EPA 8260B	75-25-2	Bromoform	ND	µg/m ³	8	
B5-20'	5/6/2016	EPA 8260B	56-23-5	Carbon Tetrachloride	ND	µg/m ³	8	
B5-20'	5/6/2016	EPA 8260B	108-90-7	Chlorobenzene	ND	µg/m ³	8	
B5-20'	5/6/2016	EPA 8260B	67-66-3	Chloroform	ND	µg/m ³	8	
B5-20'	5/6/2016	EPA 8260B	156-59-2	cis-1,2-Dichloroethene	ND	µg/m ³	8	
B5-20'	5/6/2016	EPA 8260B	10061-01-5	cis-1,3-Dichloropropene	ND	µg/m ³	8	
B5-20'	5/6/2016	EPA 8260B	124-48-1	Dibromochloromethane	ND	µg/m ³	8	
B5-20'	5/6/2016	EPA 8260B	74-95-3	Dibromomethane	ND	µg/m ³	8	
B5-20'	5/6/2016	EPA 8260B	75-71-8	Dichlorodifluoromethane	269	µg/m ³	8	
B5-20'	5/6/2016	EPA 8260B	108-20-3	Di-isopropylether (DIPE)	ND	µg/m ³	40	
B5-20'	5/6/2016	EPA 8260B	100-41-4	Ethylbenzene	72.4	µg/m ³	8	
B5-20'	5/6/2016	EPA 8260B	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/m ³	40	
B5-20'	5/6/2016	EPA 8260B	76-13-1	Freon 113	ND	µg/m ³	40	
B5-20'	5/6/2016	EPA 8260B	87-68-3	Hexachlorobutadiene	ND	µg/m ³	8	
B5-20'	5/6/2016	EPA 8260B	98-82-8	Isopropylbenzene	ND	µg/m ³	8	
B5-20'	5/6/2016	EPA 8260B	75-09-2	Methylene Chloride	ND	µg/m ³	8	
B5-20'	5/6/2016	EPA 8260B	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/m ³	40	
B5-20'	5/6/2016	EPA 8260B	91-20-3	Naphthalene	ND	µg/m ³	8	
B5-20'	5/6/2016	EPA 8260B	104-51-8	n-Butylbenzene	ND	µg/m ³	8	
B5-20'	5/6/2016	EPA 8260B	109-66-0	n-Pentane	ND	µg/m ³	8	
B5-20'	5/6/2016	EPA 8260B	103-65-1	n-Propylbenzene	ND	µg/m ³	8	
B5-20'	5/6/2016	EPA 8260B	135-98-8	sec-Butylbenzene	ND	µg/m ³	8	
B5-20'	5/6/2016	EPA 8260B	100-42-5	Styrene	ND	µg/m ³	8	
B5-20'	5/6/2016	EPA 8260B	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/m ³	400	
B5-20'	5/6/2016	EPA 8260B	994-05-8	Tert-amylmethylether (TAME)	ND	µg/m ³	40	
B5-20'	5/6/2016	EPA 8260B	98-06-6	tert-Butylbenzene	ND	µg/m ³	8	
B5-20'	5/6/2016	EPA 8260B	127-18-4	Tetrachloroethylene	1410000	µg/m ³	800	D
B5-20'	5/6/2016	EPA 8260B	108-88-3	Toluene	72.5	µg/m ³	8	
B5-20'	5/6/2016	EPA 8260B	156-60-5	trans-1,2-Dichloroethene	ND	µg/m ³	8	
B5-20'	5/6/2016	EPA 8260B	10061-02-6	trans-1,3-Dichloropropene	ND	µg/m ³	8	
B5-20'	5/6/2016	EPA 8260B	79-01-6	Trichloroethylene	373	µg/m ³	8	
B5-20'	5/6/2016	EPA 8260B	75-69-4	Trichlorofluoromethane	ND	µg/m ³	8	
B5-20'	5/6/2016	EPA 8260B	75-01-4	Vinyl Chloride	ND	µg/m ³	8	
B5-20'	5/6/2016	EPA 8260B	1330-20-7	Xylenes	85.2	µg/m ³	8	
B8-20.5'	5/6/2016	EPA 8260B	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/m ³	8	
B8-20.5'	5/6/2016	EPA 8260B	71-55-6	1,1,1-Trichloroethane	ND	µg/m ³	8	
B8-20.5'	5/6/2016	EPA 8260B	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/m ³	8	
B8-20.5'	5/6/2016	EPA 8260B	79-00-5	1,1,2-Trichloroethane	ND	µg/m ³	8	
B8-20.5'	5/6/2016	EPA 8260B	75-34-3	1,1-Dichloroethane	20.2	µg/m ³	8	
B8-20.5'	5/6/2016	EPA 8260B	75-35-4	1,1-Dichloroethene	341	µg/m ³	8	
B8-20.5'	5/6/2016	EPA 8260B	563-58-6	1,1-Dichloropropene	ND	µg/m ³	8	
B8-20.5'	5/6/2016	EPA 8260B	87-61-6	1,2,3-Trichlorobenzene	ND	µg/m ³	8	
B8-20.5'	5/6/2016	EPA 8260B	96-18-4	1,2,3-Trichloropropane	ND	µg/m ³	8	
B8-20.5'	5/6/2016	EPA 8260B	120-82-1	1,2,4-Trichlorobenzene	ND	µg/m ³	8	
B8-20.5'	5/6/2016	EPA 8260B	95-63-6	1,2,4-Trimethylbenzene	ND	µg/m ³	8	
B8-20.5'	5/6/2016	EPA 8260B	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/m ³	8	
B8-20.5'	5/6/2016	EPA 8260B	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/m ³	8	
B8-20.5'	5/6/2016	EPA 8260B	95-50-1	1,2-Dichlorobenzene	ND	µg/m ³	8	
B8-20.5'	5/6/2016	EPA 8260B	107-06-2	1,2-Dichloroethane	ND	µg/m ³	8	

Sample Name	Sample Date	Analytical Method	CAS Number	Analyte	Result	Unit	Detection Limit	Lab Qualifier
B8-20.5'	5/6/2016	EPA 8260B	78-87-5	1,2-Dichloropropane	ND	µg/m ³	8	
B8-20.5'	5/6/2016	EPA 8260B	108-67-8	1,3,5-Trimethylbenzene	ND	µg/m ³	8	
B8-20.5'	5/6/2016	EPA 8260B	541-73-1	1,3-Dichlorobenzene	ND	µg/m ³	8	
B8-20.5'	5/6/2016	EPA 8260B	142-28-9	1,3-Dichloropropane	ND	µg/m ³	8	
B8-20.5'	5/6/2016	EPA 8260B	106-46-7	1,4-Dichlorobenzene	ND	µg/m ³	8	
B8-20.5'	5/6/2016	EPA 8260B	594-20-7	2,2-Dichloropropane	ND	µg/m ³	8	
B8-20.5'	5/6/2016	EPA 8260B	95-49-8	2-Chlorotoluene	ND	µg/m ³	8	
B8-20.5'	5/6/2016	EPA 8260B	106-43-4	4-Chlorotoluene	ND	µg/m ³	8	
B8-20.5'	5/6/2016	EPA 8260B	99-87-6	4-Isopropyltoluene	ND	µg/m ³	8	
B8-20.5'	5/6/2016	EPA 8260B	71-43-2	Benzene	ND	µg/m ³	8	
B8-20.5'	5/6/2016	EPA 8260B	108-86-1	Bromobenzene	ND	µg/m ³	8	
B8-20.5'	5/6/2016	EPA 8260B	75-27-4	Bromodichloromethane	ND	µg/m ³	8	
B8-20.5'	5/6/2016	EPA 8260B	75-25-2	Bromoform	ND	µg/m ³	8	
B8-20.5'	5/6/2016	EPA 8260B	56-23-5	Carbon Tetrachloride	ND	µg/m ³	8	
B8-20.5'	5/6/2016	EPA 8260B	108-90-7	Chlorobenzene	ND	µg/m ³	8	
B8-20.5'	5/6/2016	EPA 8260B	67-66-3	Chloroform	58.7	µg/m ³	8	
B8-20.5'	5/6/2016	EPA 8260B	156-59-2	cis-1,2-Dichloroethene	ND	µg/m ³	8	
B8-20.5'	5/6/2016	EPA 8260B	10061-01-5	cis-1,3-Dichloropropene	ND	µg/m ³	8	
B8-20.5'	5/6/2016	EPA 8260B	124-48-1	Dibromochloromethane	ND	µg/m ³	8	
B8-20.5'	5/6/2016	EPA 8260B	74-95-3	Dibromomethane	ND	µg/m ³	8	
B8-20.5'	5/6/2016	EPA 8260B	75-71-8	Dichlorodifluoromethane	3060	µg/m ³	8	
B8-20.5'	5/6/2016	EPA 8260B	108-20-3	Di-isopropylether (DIPE)	ND	µg/m ³	40	
B8-20.5'	5/6/2016	EPA 8260B	100-41-4	Ethylbenzene	ND	µg/m ³	8	
B8-20.5'	5/6/2016	EPA 8260B	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/m ³	40	
B8-20.5'	5/6/2016	EPA 8260B	76-13-1	Freon 113	390	µg/m ³	40	
B8-20.5'	5/6/2016	EPA 8260B	87-68-3	Hexachlorobutadiene	ND	µg/m ³	8	
B8-20.5'	5/6/2016	EPA 8260B	98-82-8	Isopropylbenzene	ND	µg/m ³	8	
B8-20.5'	5/6/2016	EPA 8260B	75-09-2	Methylene Chloride	ND	µg/m ³	8	
B8-20.5'	5/6/2016	EPA 8260B	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/m ³	40	
B8-20.5'	5/6/2016	EPA 8260B	91-20-3	Naphthalene	ND	µg/m ³	8	
B8-20.5'	5/6/2016	EPA 8260B	104-51-8	n-Butylbenzene	ND	µg/m ³	8	
B8-20.5'	5/6/2016	EPA 8260B	109-66-0	n-Pentane	ND	µg/m ³	8	
B8-20.5'	5/6/2016	EPA 8260B	103-65-1	n-Propylbenzene	ND	µg/m ³	8	
B8-20.5'	5/6/2016	EPA 8260B	135-98-8	sec-Butylbenzene	ND	µg/m ³	8	
B8-20.5'	5/6/2016	EPA 8260B	100-42-5	Styrene	ND	µg/m ³	8	
B8-20.5'	5/6/2016	EPA 8260B	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/m ³	400	
B8-20.5'	5/6/2016	EPA 8260B	994-05-8	Tert-amylmethylether (TAME)	ND	µg/m ³	40	
B8-20.5'	5/6/2016	EPA 8260B	98-06-6	tert-Butylbenzene	ND	µg/m ³	8	
B8-20.5'	5/6/2016	EPA 8260B	127-18-4	Tetrachloroethylene	14600	µg/m ³	8	
B8-20.5'	5/6/2016	EPA 8260B	108-88-3	Toluene	11.3	µg/m ³	8	
B8-20.5'	5/6/2016	EPA 8260B	156-60-5	trans-1,2-Dichloroethene	ND	µg/m ³	8	
B8-20.5'	5/6/2016	EPA 8260B	10061-02-6	trans-1,3-Dichloropropene	ND	µg/m ³	8	
B8-20.5'	5/6/2016	EPA 8260B	79-01-6	Trichloroethylene	6380	µg/m ³	8	
B8-20.5'	5/6/2016	EPA 8260B	75-69-4	Trichlorofluoromethane	ND	µg/m ³	8	
B8-20.5'	5/6/2016	EPA 8260B	75-01-4	Vinyl Chloride	ND	µg/m ³	8	
B8-20.5'	5/6/2016	EPA 8260B	1330-20-7	Xylenes	ND	µg/m ³	8	
B9-30.5'	5/6/2016	EPA 8260B	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/m ³	8	
B9-30.5'	5/6/2016	EPA 8260B	71-55-6	1,1,1-Trichloroethane	ND	µg/m ³	8	
B9-30.5'	5/6/2016	EPA 8260B	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/m ³	8	
B9-30.5'	5/6/2016	EPA 8260B	79-00-5	1,1,2-Trichloroethane	ND	µg/m ³	8	
B9-30.5'	5/6/2016	EPA 8260B	75-34-3	1,1-Dichloroethane	21.2	µg/m ³	8	
B9-30.5'	5/6/2016	EPA 8260B	75-35-4	1,1-Dichloroethene	449	µg/m ³	8	
B9-30.5'	5/6/2016	EPA 8260B	563-58-6	1,1-Dichloropropene	ND	µg/m ³	8	

Sample Name	Sample Date	Analytical Method	CAS Number	Analyte	Result	Unit	Detection Limit	Lab Qualifier
B9-30.5'	5/6/2016	EPA 8260B	87-61-6	1,2,3-Trichlorobenzene	ND	µg/m ³	8	
B9-30.5'	5/6/2016	EPA 8260B	96-18-4	1,2,3-Trichloropropane	ND	µg/m ³	8	
B9-30.5'	5/6/2016	EPA 8260B	120-82-1	1,2,4-Trichlorobenzene	ND	µg/m ³	8	
B9-30.5'	5/6/2016	EPA 8260B	95-63-6	1,2,4-Trimethylbenzene	71.1	µg/m ³	8	
B9-30.5'	5/6/2016	EPA 8260B	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/m ³	8	
B9-30.5'	5/6/2016	EPA 8260B	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/m ³	8	
B9-30.5'	5/6/2016	EPA 8260B	95-50-1	1,2-Dichlorobenzene	ND	µg/m ³	8	
B9-30.5'	5/6/2016	EPA 8260B	107-06-2	1,2-Dichloroethane	ND	µg/m ³	8	
B9-30.5'	5/6/2016	EPA 8260B	78-87-5	1,2-Dichloropropane	ND	µg/m ³	8	
B9-30.5'	5/6/2016	EPA 8260B	108-67-8	1,3,5-Trimethylbenzene	26.2	µg/m ³	8	
B9-30.5'	5/6/2016	EPA 8260B	541-73-1	1,3-Dichlorobenzene	ND	µg/m ³	8	
B9-30.5'	5/6/2016	EPA 8260B	142-28-9	1,3-Dichloropropane	ND	µg/m ³	8	
B9-30.5'	5/6/2016	EPA 8260B	106-46-7	1,4-Dichlorobenzene	ND	µg/m ³	8	
B9-30.5'	5/6/2016	EPA 8260B	594-20-7	2,2-Dichloropropane	ND	µg/m ³	8	
B9-30.5'	5/6/2016	EPA 8260B	95-49-8	2-Chlorotoluene	ND	µg/m ³	8	
B9-30.5'	5/6/2016	EPA 8260B	106-43-4	4-Chlorotoluene	ND	µg/m ³	8	
B9-30.5'	5/6/2016	EPA 8260B	99-87-6	4-Isopropyltoluene	36.3	µg/m ³	8	
B9-30.5'	5/6/2016	EPA 8260B	71-43-2	Benzene	33	µg/m ³	8	
B9-30.5'	5/6/2016	EPA 8260B	108-86-1	Bromobenzene	ND	µg/m ³	8	
B9-30.5'	5/6/2016	EPA 8260B	75-27-4	Bromodichloromethane	ND	µg/m ³	8	
B9-30.5'	5/6/2016	EPA 8260B	75-25-2	Bromoform	ND	µg/m ³	8	
B9-30.5'	5/6/2016	EPA 8260B	56-23-5	Carbon Tetrachloride	ND	µg/m ³	8	
B9-30.5'	5/6/2016	EPA 8260B	108-90-7	Chlorobenzene	ND	µg/m ³	8	
B9-30.5'	5/6/2016	EPA 8260B	67-66-3	Chloroform	78.6	µg/m ³	8	
B9-30.5'	5/6/2016	EPA 8260B	156-59-2	cis-1,2-Dichloroethene	ND	µg/m ³	8	
B9-30.5'	5/6/2016	EPA 8260B	10061-01-5	cis-1,3-Dichloropropene	ND	µg/m ³	8	
B9-30.5'	5/6/2016	EPA 8260B	124-48-1	Dibromochloromethane	ND	µg/m ³	8	
B9-30.5'	5/6/2016	EPA 8260B	74-95-3	Dibromomethane	ND	µg/m ³	8	
B9-30.5'	5/6/2016	EPA 8260B	75-71-8	Dichlorodifluoromethane	2400	µg/m ³	8	
B9-30.5'	5/6/2016	EPA 8260B	108-20-3	Di-isopropylether (DIPE)	ND	µg/m ³	40	
B9-30.5'	5/6/2016	EPA 8260B	100-41-4	Ethylbenzene	40.1	µg/m ³	8	
B9-30.5'	5/6/2016	EPA 8260B	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/m ³	40	
B9-30.5'	5/6/2016	EPA 8260B	76-13-1	Freon 113	385	µg/m ³	40	
B9-30.5'	5/6/2016	EPA 8260B	87-68-3	Hexachlorobutadiene	ND	µg/m ³	8	
B9-30.5'	5/6/2016	EPA 8260B	98-82-8	Isopropylbenzene	ND	µg/m ³	8	
B9-30.5'	5/6/2016	EPA 8260B	75-09-2	Methylene Chloride	ND	µg/m ³	8	
B9-30.5'	5/6/2016	EPA 8260B	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/m ³	40	
B9-30.5'	5/6/2016	EPA 8260B	91-20-3	Naphthalene	ND	µg/m ³	8	
B9-30.5'	5/6/2016	EPA 8260B	104-51-8	n-Butylbenzene	24.8	µg/m ³	8	
B9-30.5'	5/6/2016	EPA 8260B	109-66-0	n-Pentane	ND	µg/m ³	8	
B9-30.5'	5/6/2016	EPA 8260B	103-65-1	n-Propylbenzene	ND	µg/m ³	8	
B9-30.5'	5/6/2016	EPA 8260B	135-98-8	sec-Butylbenzene	ND	µg/m ³	8	
B9-30.5'	5/6/2016	EPA 8260B	100-42-5	Styrene	ND	µg/m ³	8	
B9-30.5'	5/6/2016	EPA 8260B	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/m ³	400	
B9-30.5'	5/6/2016	EPA 8260B	994-05-8	Tert-amylmethylether (TAME)	ND	µg/m ³	40	
B9-30.5'	5/6/2016	EPA 8260B	98-06-6	tert-Butylbenzene	ND	µg/m ³	8	
B9-30.5'	5/6/2016	EPA 8260B	127-18-4	Tetrachloroethylene	14400	µg/m ³	8	
B9-30.5'	5/6/2016	EPA 8260B	108-88-3	Toluene	171	µg/m ³	8	
B9-30.5'	5/6/2016	EPA 8260B	156-60-5	trans-1,2-Dichloroethene	ND	µg/m ³	8	
B9-30.5'	5/6/2016	EPA 8260B	10061-02-6	trans-1,3-Dichloropropene	ND	µg/m ³	8	
B9-30.5'	5/6/2016	EPA 8260B	79-01-6	Trichloroethylene	8270	µg/m ³	8	
B9-30.5'	5/6/2016	EPA 8260B	75-69-4	Trichlorofluoromethane	ND	µg/m ³	8	
B9-30.5'	5/6/2016	EPA 8260B	75-01-4	Vinyl Chloride	ND	µg/m ³	8	

Sample Name	Sample Date	Analytical Method	CAS Number	Analyte	Result	Unit	Detection Limit	Lab Qualifier
B9-30.5'	5/6/2016	EPA 8260B	1330-20-7	Xylenes	235	µg/m ³	8	
B10-30.5'	5/6/2016	EPA 8260B	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/m ³	8	
B10-30.5'	5/6/2016	EPA 8260B	71-55-6	1,1,1-Trichloroethane	ND	µg/m ³	8	
B10-30.5'	5/6/2016	EPA 8260B	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/m ³	8	
B10-30.5'	5/6/2016	EPA 8260B	79-00-5	1,1,2-Trichloroethane	ND	µg/m ³	8	
B10-30.5'	5/6/2016	EPA 8260B	75-34-3	1,1-Dichloroethane	ND	µg/m ³	8	
B10-30.5'	5/6/2016	EPA 8260B	75-35-4	1,1-Dichloroethene	424	µg/m ³	8	
B10-30.5'	5/6/2016	EPA 8260B	563-58-6	1,1-Dichloropropene	ND	µg/m ³	8	
B10-30.5'	5/6/2016	EPA 8260B	87-61-6	1,2,3-Trichlorobenzene	ND	µg/m ³	8	
B10-30.5'	5/6/2016	EPA 8260B	96-18-4	1,2,3-Trichloropropane	ND	µg/m ³	8	
B10-30.5'	5/6/2016	EPA 8260B	120-82-1	1,2,4-Trichlorobenzene	ND	µg/m ³	8	
B10-30.5'	5/6/2016	EPA 8260B	95-63-6	1,2,4-Trimethylbenzene	ND	µg/m ³	8	
B10-30.5'	5/6/2016	EPA 8260B	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/m ³	8	
B10-30.5'	5/6/2016	EPA 8260B	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/m ³	8	
B10-30.5'	5/6/2016	EPA 8260B	95-50-1	1,2-Dichlorobenzene	ND	µg/m ³	8	
B10-30.5'	5/6/2016	EPA 8260B	107-06-2	1,2-Dichloroethane	ND	µg/m ³	8	
B10-30.5'	5/6/2016	EPA 8260B	78-87-5	1,2-Dichloropropane	ND	µg/m ³	8	
B10-30.5'	5/6/2016	EPA 8260B	108-67-8	1,3,5-Trimethylbenzene	ND	µg/m ³	8	
B10-30.5'	5/6/2016	EPA 8260B	541-73-1	1,3-Dichlorobenzene	ND	µg/m ³	8	
B10-30.5'	5/6/2016	EPA 8260B	142-28-9	1,3-Dichloropropane	ND	µg/m ³	8	
B10-30.5'	5/6/2016	EPA 8260B	106-46-7	1,4-Dichlorobenzene	ND	µg/m ³	8	
B10-30.5'	5/6/2016	EPA 8260B	594-20-7	2,2-Dichloropropane	ND	µg/m ³	8	
B10-30.5'	5/6/2016	EPA 8260B	95-49-8	2-Chlorotoluene	ND	µg/m ³	8	
B10-30.5'	5/6/2016	EPA 8260B	106-43-4	4-Chlorotoluene	ND	µg/m ³	8	
B10-30.5'	5/6/2016	EPA 8260B	99-87-6	4-Isopropyltoluene	ND	µg/m ³	8	
B10-30.5'	5/6/2016	EPA 8260B	71-43-2	Benzene	ND	µg/m ³	8	
B10-30.5'	5/6/2016	EPA 8260B	108-86-1	Bromobenzene	ND	µg/m ³	8	
B10-30.5'	5/6/2016	EPA 8260B	75-27-4	Bromodichloromethane	ND	µg/m ³	8	
B10-30.5'	5/6/2016	EPA 8260B	75-25-2	Bromoform	ND	µg/m ³	8	
B10-30.5'	5/6/2016	EPA 8260B	56-23-5	Carbon Tetrachloride	ND	µg/m ³	8	
B10-30.5'	5/6/2016	EPA 8260B	108-90-7	Chlorobenzene	ND	µg/m ³	8	
B10-30.5'	5/6/2016	EPA 8260B	67-66-3	Chloroform	55.2	µg/m ³	8	
B10-30.5'	5/6/2016	EPA 8260B	156-59-2	cis-1,2-Dichloroethene	ND	µg/m ³	8	
B10-30.5'	5/6/2016	EPA 8260B	10061-01-5	cis-1,3-Dichloropropene	ND	µg/m ³	8	
B10-30.5'	5/6/2016	EPA 8260B	124-48-1	Dibromochloromethane	ND	µg/m ³	8	
B10-30.5'	5/6/2016	EPA 8260B	74-95-3	Dibromomethane	ND	µg/m ³	8	
B10-30.5'	5/6/2016	EPA 8260B	75-71-8	Dichlorodifluoromethane	1730	µg/m ³	8	
B10-30.5'	5/6/2016	EPA 8260B	108-20-3	Di-isopropylether (DIPE)	ND	µg/m ³	40	
B10-30.5'	5/6/2016	EPA 8260B	100-41-4	Ethylbenzene	ND	µg/m ³	8	
B10-30.5'	5/6/2016	EPA 8260B	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/m ³	40	
B10-30.5'	5/6/2016	EPA 8260B	76-13-1	Freon 113	297	µg/m ³	40	
B10-30.5'	5/6/2016	EPA 8260B	87-68-3	Hexachlorobutadiene	ND	µg/m ³	8	
B10-30.5'	5/6/2016	EPA 8260B	98-82-8	Isopropylbenzene	ND	µg/m ³	8	
B10-30.5'	5/6/2016	EPA 8260B	75-09-2	Methylene Chloride	ND	µg/m ³	8	
B10-30.5'	5/6/2016	EPA 8260B	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/m ³	40	
B10-30.5'	5/6/2016	EPA 8260B	91-20-3	Naphthalene	ND	µg/m ³	8	
B10-30.5'	5/6/2016	EPA 8260B	104-51-8	n-Butylbenzene	ND	µg/m ³	8	
B10-30.5'	5/6/2016	EPA 8260B	109-66-0	n-Pentane	ND	µg/m ³	8	
B10-30.5'	5/6/2016	EPA 8260B	103-65-1	n-Propylbenzene	ND	µg/m ³	8	
B10-30.5'	5/6/2016	EPA 8260B	135-98-8	sec-Butylbenzene	ND	µg/m ³	8	
B10-30.5'	5/6/2016	EPA 8260B	100-42-5	Styrene	ND	µg/m ³	8	
B10-30.5'	5/6/2016	EPA 8260B	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/m ³	400	
B10-30.5'	5/6/2016	EPA 8260B	994-05-8	Tert-amylmethylether (TAME)	ND	µg/m ³	40	

Sample Name	Sample Date	Analytical Method	CAS Number	Analyte	Result	Unit	Detection Limit	Lab Qualifier
B10-30.5'	5/6/2016	EPA 8260B	98-06-6	tert-Butylbenzene	ND	µg/m ³	8	
B10-30.5'	5/6/2016	EPA 8260B	127-18-4	Tetrachloroethylene	13300	µg/m ³	8	
B10-30.5'	5/6/2016	EPA 8260B	108-88-3	Toluene	11.9	µg/m ³	8	
B10-30.5'	5/6/2016	EPA 8260B	156-60-5	trans-1,2-Dichloroethene	ND	µg/m ³	8	
B10-30.5'	5/6/2016	EPA 8260B	10061-02-6	trans-1,3-Dichloropropene	ND	µg/m ³	8	
B10-30.5'	5/6/2016	EPA 8260B	79-01-6	Trichloroethylene	4540	µg/m ³	8	
B10-30.5'	5/6/2016	EPA 8260B	75-69-4	Trichlorofluoromethane	ND	µg/m ³	8	
B10-30.5'	5/6/2016	EPA 8260B	75-01-4	Vinyl Chloride	ND	µg/m ³	8	
B10-30.5'	5/6/2016	EPA 8260B	1330-20-7	Xylenes	ND	µg/m ³	8	
B10-30.5' REP	5/6/2016	EPA 8260B	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/m ³	8	
B10-30.5' REP	5/6/2016	EPA 8260B	71-55-6	1,1,1-Trichloroethane	ND	µg/m ³	8	
B10-30.5' REP	5/6/2016	EPA 8260B	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/m ³	8	
B10-30.5' REP	5/6/2016	EPA 8260B	79-00-5	1,1,2-Trichloroethane	ND	µg/m ³	8	
B10-30.5' REP	5/6/2016	EPA 8260B	75-34-3	1,1-Dichloroethane	ND	µg/m ³	8	
B10-30.5' REP	5/6/2016	EPA 8260B	75-35-4	1,1-Dichloroethene	417	µg/m ³	8	
B10-30.5' REP	5/6/2016	EPA 8260B	563-58-6	1,1-Dichloropropene	ND	µg/m ³	8	
B10-30.5' REP	5/6/2016	EPA 8260B	87-61-6	1,2,3-Trichlorobenzene	ND	µg/m ³	8	
B10-30.5' REP	5/6/2016	EPA 8260B	96-18-4	1,2,3-Trichloropropane	ND	µg/m ³	8	
B10-30.5' REP	5/6/2016	EPA 8260B	120-82-1	1,2,4-Trichlorobenzene	ND	µg/m ³	8	
B10-30.5' REP	5/6/2016	EPA 8260B	95-63-6	1,2,4-Trimethylbenzene	ND	µg/m ³	8	
B10-30.5' REP	5/6/2016	EPA 8260B	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/m ³	8	
B10-30.5' REP	5/6/2016	EPA 8260B	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/m ³	8	
B10-30.5' REP	5/6/2016	EPA 8260B	95-50-1	1,2-Dichlorobenzene	ND	µg/m ³	8	
B10-30.5' REP	5/6/2016	EPA 8260B	107-06-2	1,2-Dichloroethane	ND	µg/m ³	8	
B10-30.5' REP	5/6/2016	EPA 8260B	78-87-5	1,2-Dichloropropane	ND	µg/m ³	8	
B10-30.5' REP	5/6/2016	EPA 8260B	108-67-8	1,3,5-Trimethylbenzene	ND	µg/m ³	8	
B10-30.5' REP	5/6/2016	EPA 8260B	541-73-1	1,3-Dichlorobenzene	ND	µg/m ³	8	
B10-30.5' REP	5/6/2016	EPA 8260B	142-28-9	1,3-Dichloropropane	ND	µg/m ³	8	
B10-30.5' REP	5/6/2016	EPA 8260B	106-46-7	1,4-Dichlorobenzene	ND	µg/m ³	8	
B10-30.5' REP	5/6/2016	EPA 8260B	594-20-7	2,2-Dichloropropane	ND	µg/m ³	8	
B10-30.5' REP	5/6/2016	EPA 8260B	95-49-8	2-Chlorotoluene	ND	µg/m ³	8	
B10-30.5' REP	5/6/2016	EPA 8260B	106-43-4	4-Chlorotoluene	ND	µg/m ³	8	
B10-30.5' REP	5/6/2016	EPA 8260B	99-87-6	4-Isopropyltoluene	ND	µg/m ³	8	
B10-30.5' REP	5/6/2016	EPA 8260B	71-43-2	Benzene	ND	µg/m ³	8	
B10-30.5' REP	5/6/2016	EPA 8260B	108-86-1	Bromobenzene	ND	µg/m ³	8	
B10-30.5' REP	5/6/2016	EPA 8260B	75-27-4	Bromodichloromethane	ND	µg/m ³	8	
B10-30.5' REP	5/6/2016	EPA 8260B	75-25-2	Bromoform	ND	µg/m ³	8	
B10-30.5' REP	5/6/2016	EPA 8260B	56-23-5	Carbon Tetrachloride	ND	µg/m ³	8	
B10-30.5' REP	5/6/2016	EPA 8260B	108-90-7	Chlorobenzene	ND	µg/m ³	8	
B10-30.5' REP	5/6/2016	EPA 8260B	67-66-3	Chloroform	54.5	µg/m ³	8	
B10-30.5' REP	5/6/2016	EPA 8260B	156-59-2	cis-1,2-Dichloroethene	ND	µg/m ³	8	
B10-30.5' REP	5/6/2016	EPA 8260B	10061-01-5	cis-1,3-Dichloropropene	ND	µg/m ³	8	
B10-30.5' REP	5/6/2016	EPA 8260B	124-48-1	Dibromochloromethane	ND	µg/m ³	8	
B10-30.5' REP	5/6/2016	EPA 8260B	74-95-3	Dibromomethane	ND	µg/m ³	8	
B10-30.5' REP	5/6/2016	EPA 8260B	75-71-8	Dichlorodifluoromethane	1690	µg/m ³	8	
B10-30.5' REP	5/6/2016	EPA 8260B	108-20-3	Di-isopropylether (DIPE)	ND	µg/m ³	40	
B10-30.5' REP	5/6/2016	EPA 8260B	100-41-4	Ethylbenzene	ND	µg/m ³	8	
B10-30.5' REP	5/6/2016	EPA 8260B	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/m ³	40	
B10-30.5' REP	5/6/2016	EPA 8260B	76-13-1	Freon 113	296	µg/m ³	40	
B10-30.5' REP	5/6/2016	EPA 8260B	87-68-3	Hexachlorobutadiene	ND	µg/m ³	8	
B10-30.5' REP	5/6/2016	EPA 8260B	98-82-8	Isopropylbenzene	ND	µg/m ³	8	
B10-30.5' REP	5/6/2016	EPA 8260B	75-09-2	Methylene Chloride	ND	µg/m ³	8	
B10-30.5' REP	5/6/2016	EPA 8260B	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/m ³	40	

Sample Name	Sample Date	Analytical Method	CAS Number	Analyte	Result	Unit	Detection Limit	Lab Qualifier
B10-30.5' REP	5/6/2016	EPA 8260B	91-20-3	Naphthalene	ND	µg/m ³	8	
B10-30.5' REP	5/6/2016	EPA 8260B	104-51-8	n-Butylbenzene	ND	µg/m ³	8	
B10-30.5' REP	5/6/2016	EPA 8260B	109-66-0	n-Pentane	ND	µg/m ³	8	
B10-30.5' REP	5/6/2016	EPA 8260B	103-65-1	n-Propylbenzene	ND	µg/m ³	8	
B10-30.5' REP	5/6/2016	EPA 8260B	135-98-8	sec-Butylbenzene	ND	µg/m ³	8	
B10-30.5' REP	5/6/2016	EPA 8260B	100-42-5	Styrene	ND	µg/m ³	8	
B10-30.5' REP	5/6/2016	EPA 8260B	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/m ³	400	
B10-30.5' REP	5/6/2016	EPA 8260B	994-05-8	Tert-amylmethylether (TAME)	ND	µg/m ³	40	
B10-30.5' REP	5/6/2016	EPA 8260B	98-06-6	tert-Butylbenzene	ND	µg/m ³	8	
B10-30.5' REP	5/6/2016	EPA 8260B	127-18-4	Tetrachloroethylene	13800	µg/m ³	8	
B10-30.5' REP	5/6/2016	EPA 8260B	108-88-3	Toluene	16.1	µg/m ³	8	
B10-30.5' REP	5/6/2016	EPA 8260B	156-60-5	trans-1,2-Dichloroethene	ND	µg/m ³	8	
B10-30.5' REP	5/6/2016	EPA 8260B	10061-02-6	trans-1,3-Dichloropropene	ND	µg/m ³	8	
B10-30.5' REP	5/6/2016	EPA 8260B	79-01-6	Trichloroethylene	4400	µg/m ³	8	
B10-30.5' REP	5/6/2016	EPA 8260B	75-69-4	Trichlorofluoromethane	ND	µg/m ³	8	
B10-30.5' REP	5/6/2016	EPA 8260B	75-01-4	Vinyl Chloride	ND	µg/m ³	8	
B10-30.5' REP	5/6/2016	EPA 8260B	1330-20-7	Xylenes	ND	µg/m ³	8	
B11-20.5'	5/6/2016	EPA 8260B	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/m ³	8	
B11-20.5'	5/6/2016	EPA 8260B	71-55-6	1,1,1-Trichloroethane	44.3	µg/m ³	8	
B11-20.5'	5/6/2016	EPA 8260B	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/m ³	8	
B11-20.5'	5/6/2016	EPA 8260B	79-00-5	1,1,2-Trichloroethane	ND	µg/m ³	8	
B11-20.5'	5/6/2016	EPA 8260B	75-34-3	1,1-Dichloroethane	ND	µg/m ³	8	
B11-20.5'	5/6/2016	EPA 8260B	75-35-4	1,1-Dichloroethene	ND	µg/m ³	8	
B11-20.5'	5/6/2016	EPA 8260B	563-58-6	1,1-Dichloropropene	ND	µg/m ³	8	
B11-20.5'	5/6/2016	EPA 8260B	87-61-6	1,2,3-Trichlorobenzene	ND	µg/m ³	8	
B11-20.5'	5/6/2016	EPA 8260B	96-18-4	1,2,3-Trichloropropane	ND	µg/m ³	8	
B11-20.5'	5/6/2016	EPA 8260B	120-82-1	1,2,4-Trichlorobenzene	ND	µg/m ³	8	
B11-20.5'	5/6/2016	EPA 8260B	95-63-6	1,2,4-Trimethylbenzene	ND	µg/m ³	8	
B11-20.5'	5/6/2016	EPA 8260B	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/m ³	8	
B11-20.5'	5/6/2016	EPA 8260B	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/m ³	8	
B11-20.5'	5/6/2016	EPA 8260B	95-50-1	1,2-Dichlorobenzene	ND	µg/m ³	8	
B11-20.5'	5/6/2016	EPA 8260B	107-06-2	1,2-Dichloroethane	ND	µg/m ³	8	
B11-20.5'	5/6/2016	EPA 8260B	78-87-5	1,2-Dichloropropane	ND	µg/m ³	8	
B11-20.5'	5/6/2016	EPA 8260B	108-67-8	1,3,5-Trimethylbenzene	ND	µg/m ³	8	
B11-20.5'	5/6/2016	EPA 8260B	541-73-1	1,3-Dichlorobenzene	ND	µg/m ³	8	
B11-20.5'	5/6/2016	EPA 8260B	142-28-9	1,3-Dichloropropane	ND	µg/m ³	8	
B11-20.5'	5/6/2016	EPA 8260B	106-46-7	1,4-Dichlorobenzene	ND	µg/m ³	8	
B11-20.5'	5/6/2016	EPA 8260B	594-20-7	2,2-Dichloropropane	ND	µg/m ³	8	
B11-20.5'	5/6/2016	EPA 8260B	95-49-8	2-Chlorotoluene	ND	µg/m ³	8	
B11-20.5'	5/6/2016	EPA 8260B	106-43-4	4-Chlorotoluene	ND	µg/m ³	8	
B11-20.5'	5/6/2016	EPA 8260B	99-87-6	4-Isopropyltoluene	22.6	µg/m ³	8	
B11-20.5'	5/6/2016	EPA 8260B	71-43-2	Benzene	ND	µg/m ³	8	
B11-20.5'	5/6/2016	EPA 8260B	108-86-1	Bromobenzene	ND	µg/m ³	8	
B11-20.5'	5/6/2016	EPA 8260B	75-27-4	Bromodichloromethane	ND	µg/m ³	8	
B11-20.5'	5/6/2016	EPA 8260B	75-25-2	Bromoform	ND	µg/m ³	8	
B11-20.5'	5/6/2016	EPA 8260B	56-23-5	Carbon Tetrachloride	ND	µg/m ³	8	
B11-20.5'	5/6/2016	EPA 8260B	108-90-7	Chlorobenzene	ND	µg/m ³	8	
B11-20.5'	5/6/2016	EPA 8260B	67-66-3	Chloroform	ND	µg/m ³	8	
B11-20.5'	5/6/2016	EPA 8260B	156-59-2	cis-1,2-Dichloroethene	ND	µg/m ³	8	
B11-20.5'	5/6/2016	EPA 8260B	10061-01-5	cis-1,3-Dichloropropene	ND	µg/m ³	8	
B11-20.5'	5/6/2016	EPA 8260B	124-48-1	Dibromochloromethane	ND	µg/m ³	8	
B11-20.5'	5/6/2016	EPA 8260B	74-95-3	Dibromomethane	ND	µg/m ³	8	
B11-20.5'	5/6/2016	EPA 8260B	75-71-8	Dichlorodifluoromethane	312	µg/m ³	8	

Sample Name	Sample Date	Analytical Method	CAS Number	Analyte	Result	Unit	Detection Limit	Lab Qualifier
B11-20.5'	5/6/2016	EPA 8260B	108-20-3	Di-isopropylether (DIPE)	ND	µg/m ³	40	
B11-20.5'	5/6/2016	EPA 8260B	100-41-4	Ethylbenzene	ND	µg/m ³	8	
B11-20.5'	5/6/2016	EPA 8260B	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/m ³	40	
B11-20.5'	5/6/2016	EPA 8260B	76-13-1	Freon 113	89	µg/m ³	40	
B11-20.5'	5/6/2016	EPA 8260B	87-68-3	Hexachlorobutadiene	ND	µg/m ³	8	
B11-20.5'	5/6/2016	EPA 8260B	98-82-8	Isopropylbenzene	ND	µg/m ³	8	
B11-20.5'	5/6/2016	EPA 8260B	75-09-2	Methylene Chloride	ND	µg/m ³	8	
B11-20.5'	5/6/2016	EPA 8260B	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/m ³	40	
B11-20.5'	5/6/2016	EPA 8260B	91-20-3	Naphthalene	ND	µg/m ³	8	
B11-20.5'	5/6/2016	EPA 8260B	104-51-8	n-Butylbenzene	ND	µg/m ³	8	
B11-20.5'	5/6/2016	EPA 8260B	109-66-0	n-Pentane	ND	µg/m ³	8	
B11-20.5'	5/6/2016	EPA 8260B	103-65-1	n-Propylbenzene	ND	µg/m ³	8	
B11-20.5'	5/6/2016	EPA 8260B	135-98-8	sec-Butylbenzene	ND	µg/m ³	8	
B11-20.5'	5/6/2016	EPA 8260B	100-42-5	Styrene	ND	µg/m ³	8	
B11-20.5'	5/6/2016	EPA 8260B	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/m ³	400	
B11-20.5'	5/6/2016	EPA 8260B	994-05-8	Tert-amylmethylether (TAME)	ND	µg/m ³	40	
B11-20.5'	5/6/2016	EPA 8260B	98-06-6	tert-Butylbenzene	ND	µg/m ³	8	
B11-20.5'	5/6/2016	EPA 8260B	127-18-4	Tetrachloroethylene	3630	µg/m ³	8	
B11-20.5'	5/6/2016	EPA 8260B	108-88-3	Toluene	ND	µg/m ³	8	
B11-20.5'	5/6/2016	EPA 8260B	156-60-5	trans-1,2-Dichloroethene	ND	µg/m ³	8	
B11-20.5'	5/6/2016	EPA 8260B	10061-02-6	trans-1,3-Dichloropropene	ND	µg/m ³	8	
B11-20.5'	5/6/2016	EPA 8260B	79-01-6	Trichloroethylene	19.1	µg/m ³	8	
B11-20.5'	5/6/2016	EPA 8260B	75-69-4	Trichlorofluoromethane	ND	µg/m ³	8	
B11-20.5'	5/6/2016	EPA 8260B	75-01-4	Vinyl Chloride	ND	µg/m ³	8	
B11-20.5'	5/6/2016	EPA 8260B	1330-20-7	Xylenes	ND	µg/m ³	8	
B12-17'	5/6/2016	EPA 8260B	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/m ³	8	
B12-17'	5/6/2016	EPA 8260B	71-55-6	1,1,1-Trichloroethane	491	µg/m ³	8	
B12-17'	5/6/2016	EPA 8260B	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/m ³	8	
B12-17'	5/6/2016	EPA 8260B	79-00-5	1,1,2-Trichloroethane	ND	µg/m ³	8	
B12-17'	5/6/2016	EPA 8260B	75-34-3	1,1-Dichloroethane	ND	µg/m ³	8	
B12-17'	5/6/2016	EPA 8260B	75-35-4	1,1-Dichloroethene	71.4	µg/m ³	8	
B12-17'	5/6/2016	EPA 8260B	563-58-6	1,1-Dichloropropene	ND	µg/m ³	8	
B12-17'	5/6/2016	EPA 8260B	87-61-6	1,2,3-Trichlorobenzene	ND	µg/m ³	8	
B12-17'	5/6/2016	EPA 8260B	96-18-4	1,2,3-Trichloropropane	ND	µg/m ³	8	
B12-17'	5/6/2016	EPA 8260B	120-82-1	1,2,4-Trichlorobenzene	ND	µg/m ³	8	
B12-17'	5/6/2016	EPA 8260B	95-63-6	1,2,4-Trimethylbenzene	ND	µg/m ³	8	
B12-17'	5/6/2016	EPA 8260B	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/m ³	8	
B12-17'	5/6/2016	EPA 8260B	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/m ³	8	
B12-17'	5/6/2016	EPA 8260B	95-50-1	1,2-Dichlorobenzene	ND	µg/m ³	8	
B12-17'	5/6/2016	EPA 8260B	107-06-2	1,2-Dichloroethane	ND	µg/m ³	8	
B12-17'	5/6/2016	EPA 8260B	78-87-5	1,2-Dichloropropane	ND	µg/m ³	8	
B12-17'	5/6/2016	EPA 8260B	108-67-8	1,3,5-Trimethylbenzene	ND	µg/m ³	8	
B12-17'	5/6/2016	EPA 8260B	541-73-1	1,3-Dichlorobenzene	ND	µg/m ³	8	
B12-17'	5/6/2016	EPA 8260B	142-28-9	1,3-Dichloropropane	ND	µg/m ³	8	
B12-17'	5/6/2016	EPA 8260B	106-46-7	1,4-Dichlorobenzene	ND	µg/m ³	8	
B12-17'	5/6/2016	EPA 8260B	594-20-7	2,2-Dichloropropane	ND	µg/m ³	8	
B12-17'	5/6/2016	EPA 8260B	95-49-8	2-Chlorotoluene	ND	µg/m ³	8	
B12-17'	5/6/2016	EPA 8260B	106-43-4	4-Chlorotoluene	ND	µg/m ³	8	
B12-17'	5/6/2016	EPA 8260B	99-87-6	4-Isopropyltoluene	ND	µg/m ³	8	
B12-17'	5/6/2016	EPA 8260B	71-43-2	Benzene	ND	µg/m ³	8	
B12-17'	5/6/2016	EPA 8260B	108-86-1	Bromobenzene	ND	µg/m ³	8	
B12-17'	5/6/2016	EPA 8260B	75-27-4	Bromodichloromethane	ND	µg/m ³	8	
B12-17'	5/6/2016	EPA 8260B	75-25-2	Bromoform	ND	µg/m ³	8	

Sample Name	Sample Date	Analytical Method	CAS Number	Analyte	Result	Unit	Detection Limit	Lab Qualifier
B12-17'	5/6/2016	EPA 8260B	56-23-5	Carbon Tetrachloride	ND	µg/m ³	8	
B12-17'	5/6/2016	EPA 8260B	108-90-7	Chlorobenzene	ND	µg/m ³	8	
B12-17'	5/6/2016	EPA 8260B	67-66-3	Chloroform	ND	µg/m ³	8	
B12-17'	5/6/2016	EPA 8260B	156-59-2	cis-1,2-Dichloroethene	ND	µg/m ³	8	
B12-17'	5/6/2016	EPA 8260B	10061-01-5	cis-1,3-Dichloropropene	ND	µg/m ³	8	
B12-17'	5/6/2016	EPA 8260B	124-48-1	Dibromochloromethane	ND	µg/m ³	8	
B12-17'	5/6/2016	EPA 8260B	74-95-3	Dibromomethane	ND	µg/m ³	8	
B12-17'	5/6/2016	EPA 8260B	75-71-8	Dichlorodifluoromethane	ND	µg/m ³	8	
B12-17'	5/6/2016	EPA 8260B	108-20-3	Di-isopropylether (DIPE)	ND	µg/m ³	40	
B12-17'	5/6/2016	EPA 8260B	100-41-4	Ethylbenzene	ND	µg/m ³	8	
B12-17'	5/6/2016	EPA 8260B	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/m ³	40	
B12-17'	5/6/2016	EPA 8260B	76-13-1	Freon 113	ND	µg/m ³	40	
B12-17'	5/6/2016	EPA 8260B	87-68-3	Hexachlorobutadiene	ND	µg/m ³	8	
B12-17'	5/6/2016	EPA 8260B	98-82-8	Isopropylbenzene	ND	µg/m ³	8	
B12-17'	5/6/2016	EPA 8260B	75-09-2	Methylene Chloride	ND	µg/m ³	8	
B12-17'	5/6/2016	EPA 8260B	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/m ³	40	
B12-17'	5/6/2016	EPA 8260B	91-20-3	Naphthalene	ND	µg/m ³	8	
B12-17'	5/6/2016	EPA 8260B	104-51-8	n-Butylbenzene	ND	µg/m ³	8	
B12-17'	5/6/2016	EPA 8260B	109-66-0	n-Pentane	ND	µg/m ³	8	
B12-17'	5/6/2016	EPA 8260B	103-65-1	n-Propylbenzene	ND	µg/m ³	8	
B12-17'	5/6/2016	EPA 8260B	135-98-8	sec-Butylbenzene	ND	µg/m ³	8	
B12-17'	5/6/2016	EPA 8260B	100-42-5	Styrene	ND	µg/m ³	8	
B12-17'	5/6/2016	EPA 8260B	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/m ³	400	
B12-17'	5/6/2016	EPA 8260B	994-05-8	Tert-amylmethylether (TAME)	ND	µg/m ³	40	
B12-17'	5/6/2016	EPA 8260B	98-06-6	tert-Butylbenzene	ND	µg/m ³	8	
B12-17'	5/6/2016	EPA 8260B	127-18-4	Tetrachloroethylene	5790	µg/m ³	8	
B12-17'	5/6/2016	EPA 8260B	108-88-3	Toluene	ND	µg/m ³	8	
B12-17'	5/6/2016	EPA 8260B	156-60-5	trans-1,2-Dichloroethene	ND	µg/m ³	8	
B12-17'	5/6/2016	EPA 8260B	10061-02-6	trans-1,3-Dichloropropene	ND	µg/m ³	8	
B12-17'	5/6/2016	EPA 8260B	79-01-6	Trichloroethylene	ND	µg/m ³	8	
B12-17'	5/6/2016	EPA 8260B	75-69-4	Trichlorofluoromethane	ND	µg/m ³	8	
B12-17'	5/6/2016	EPA 8260B	75-01-4	Vinyl Chloride	ND	µg/m ³	8	
B12-17'	5/6/2016	EPA 8260B	1330-20-7	Xylenes	ND	µg/m ³	8	
B13-17'	5/6/2016	EPA 8260B	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/m ³	8	
B13-17'	5/6/2016	EPA 8260B	71-55-6	1,1,1-Trichloroethane	107	µg/m ³	8	
B13-17'	5/6/2016	EPA 8260B	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/m ³	8	
B13-17'	5/6/2016	EPA 8260B	79-00-5	1,1,2-Trichloroethane	ND	µg/m ³	8	
B13-17'	5/6/2016	EPA 8260B	75-34-3	1,1-Dichloroethane	ND	µg/m ³	8	
B13-17'	5/6/2016	EPA 8260B	75-35-4	1,1-Dichloroethene	ND	µg/m ³	8	
B13-17'	5/6/2016	EPA 8260B	563-58-6	1,1-Dichloropropene	ND	µg/m ³	8	
B13-17'	5/6/2016	EPA 8260B	87-61-6	1,2,3-Trichlorobenzene	ND	µg/m ³	8	
B13-17'	5/6/2016	EPA 8260B	96-18-4	1,2,3-Trichloropropane	ND	µg/m ³	8	
B13-17'	5/6/2016	EPA 8260B	120-82-1	1,2,4-Trichlorobenzene	ND	µg/m ³	8	
B13-17'	5/6/2016	EPA 8260B	95-63-6	1,2,4-Trimethylbenzene	ND	µg/m ³	8	
B13-17'	5/6/2016	EPA 8260B	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/m ³	8	
B13-17'	5/6/2016	EPA 8260B	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/m ³	8	
B13-17'	5/6/2016	EPA 8260B	95-50-1	1,2-Dichlorobenzene	ND	µg/m ³	8	
B13-17'	5/6/2016	EPA 8260B	107-06-2	1,2-Dichloroethane	ND	µg/m ³	8	
B13-17'	5/6/2016	EPA 8260B	78-87-5	1,2-Dichloropropane	ND	µg/m ³	8	
B13-17'	5/6/2016	EPA 8260B	108-67-8	1,3,5-Trimethylbenzene	ND	µg/m ³	8	
B13-17'	5/6/2016	EPA 8260B	541-73-1	1,3-Dichlorobenzene	ND	µg/m ³	8	
B13-17'	5/6/2016	EPA 8260B	142-28-9	1,3-Dichloropropane	ND	µg/m ³	8	
B13-17'	5/6/2016	EPA 8260B	106-46-7	1,4-Dichlorobenzene	ND	µg/m ³	8	

Sample Name	Sample Date	Analytical Method	CAS Number	Analyte	Result	Unit	Detection Limit	Lab Qualifier
B13-17'	5/6/2016	EPA 8260B	594-20-7	2,2-Dichloropropane	ND	µg/m ³	8	
B13-17'	5/6/2016	EPA 8260B	95-49-8	2-Chlorotoluene	ND	µg/m ³	8	
B13-17'	5/6/2016	EPA 8260B	106-43-4	4-Chlorotoluene	ND	µg/m ³	8	
B13-17'	5/6/2016	EPA 8260B	99-87-6	4-Isopropyltoluene	ND	µg/m ³	8	
B13-17'	5/6/2016	EPA 8260B	71-43-2	Benzene	ND	µg/m ³	8	
B13-17'	5/6/2016	EPA 8260B	108-86-1	Bromobenzene	ND	µg/m ³	8	
B13-17'	5/6/2016	EPA 8260B	75-27-4	Bromodichloromethane	ND	µg/m ³	8	
B13-17'	5/6/2016	EPA 8260B	75-25-2	Bromoform	ND	µg/m ³	8	
B13-17'	5/6/2016	EPA 8260B	56-23-5	Carbon Tetrachloride	ND	µg/m ³	8	
B13-17'	5/6/2016	EPA 8260B	108-90-7	Chlorobenzene	ND	µg/m ³	8	
B13-17'	5/6/2016	EPA 8260B	67-66-3	Chloroform	ND	µg/m ³	8	
B13-17'	5/6/2016	EPA 8260B	156-59-2	cis-1,2-Dichloroethene	ND	µg/m ³	8	
B13-17'	5/6/2016	EPA 8260B	10061-01-5	cis-1,3-Dichloropropene	ND	µg/m ³	8	
B13-17'	5/6/2016	EPA 8260B	124-48-1	Dibromochloromethane	ND	µg/m ³	8	
B13-17'	5/6/2016	EPA 8260B	74-95-3	Dibromomethane	ND	µg/m ³	8	
B13-17'	5/6/2016	EPA 8260B	75-71-8	Dichlorodifluoromethane	11.6	µg/m ³	8	
B13-17'	5/6/2016	EPA 8260B	108-20-3	Di-isopropylether (DIPE)	ND	µg/m ³	40	
B13-17'	5/6/2016	EPA 8260B	100-41-4	Ethylbenzene	ND	µg/m ³	8	
B13-17'	5/6/2016	EPA 8260B	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/m ³	40	
B13-17'	5/6/2016	EPA 8260B	76-13-1	Freon 113	ND	µg/m ³	40	
B13-17'	5/6/2016	EPA 8260B	87-68-3	Hexachlorobutadiene	ND	µg/m ³	8	
B13-17'	5/6/2016	EPA 8260B	98-82-8	Isopropylbenzene	ND	µg/m ³	8	
B13-17'	5/6/2016	EPA 8260B	75-09-2	Methylene Chloride	ND	µg/m ³	8	
B13-17'	5/6/2016	EPA 8260B	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/m ³	40	
B13-17'	5/6/2016	EPA 8260B	91-20-3	Naphthalene	ND	µg/m ³	8	
B13-17'	5/6/2016	EPA 8260B	104-51-8	n-Butylbenzene	ND	µg/m ³	8	
B13-17'	5/6/2016	EPA 8260B	109-66-0	n-Pentane	ND	µg/m ³	8	
B13-17'	5/6/2016	EPA 8260B	103-65-1	n-Propylbenzene	ND	µg/m ³	8	
B13-17'	5/6/2016	EPA 8260B	135-98-8	sec-Butylbenzene	ND	µg/m ³	8	
B13-17'	5/6/2016	EPA 8260B	100-42-5	Styrene	ND	µg/m ³	8	
B13-17'	5/6/2016	EPA 8260B	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/m ³	400	
B13-17'	5/6/2016	EPA 8260B	994-05-8	Tert-amylmethylether (TAME)	ND	µg/m ³	40	
B13-17'	5/6/2016	EPA 8260B	98-06-6	tert-Butylbenzene	ND	µg/m ³	8	
B13-17'	5/6/2016	EPA 8260B	127-18-4	Tetrachloroethylene	323	µg/m ³	8	
B13-17'	5/6/2016	EPA 8260B	108-88-3	Toluene	10	µg/m ³	8	
B13-17'	5/6/2016	EPA 8260B	156-60-5	trans-1,2-Dichloroethene	ND	µg/m ³	8	
B13-17'	5/6/2016	EPA 8260B	10061-02-6	trans-1,3-Dichloropropene	ND	µg/m ³	8	
B13-17'	5/6/2016	EPA 8260B	79-01-6	Trichloroethylene	17	µg/m ³	8	
B13-17'	5/6/2016	EPA 8260B	75-69-4	Trichlorofluoromethane	ND	µg/m ³	8	
B13-17'	5/6/2016	EPA 8260B	75-01-4	Vinyl Chloride	ND	µg/m ³	8	
B13-17'	5/6/2016	EPA 8260B	1330-20-7	Xylenes	ND	µg/m ³	8	
B14-17'	5/6/2016	EPA 8260B	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/m ³	8	
B14-17'	5/6/2016	EPA 8260B	71-55-6	1,1,1-Trichloroethane	14.4	µg/m ³	8	
B14-17'	5/6/2016	EPA 8260B	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/m ³	8	
B14-17'	5/6/2016	EPA 8260B	79-00-5	1,1,2-Trichloroethane	ND	µg/m ³	8	
B14-17'	5/6/2016	EPA 8260B	75-34-3	1,1-Dichloroethane	ND	µg/m ³	8	
B14-17'	5/6/2016	EPA 8260B	75-35-4	1,1-Dichloroethene	ND	µg/m ³	8	
B14-17'	5/6/2016	EPA 8260B	563-58-6	1,1-Dichloropropene	ND	µg/m ³	8	
B14-17'	5/6/2016	EPA 8260B	87-61-6	1,2,3-Trichlorobenzene	ND	µg/m ³	8	
B14-17'	5/6/2016	EPA 8260B	96-18-4	1,2,3-Trichloropropane	ND	µg/m ³	8	
B14-17'	5/6/2016	EPA 8260B	120-82-1	1,2,4-Trichlorobenzene	ND	µg/m ³	8	
B14-17'	5/6/2016	EPA 8260B	95-63-6	1,2,4-Trimethylbenzene	ND	µg/m ³	8	
B14-17'	5/6/2016	EPA 8260B	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/m ³	8	

Sample Name	Sample Date	Analytical Method	CAS Number	Analyte	Result	Unit	Detection Limit	Lab Qualifier
B14-17'	5/6/2016	EPA 8260B	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/m ³	8	
B14-17'	5/6/2016	EPA 8260B	95-50-1	1,2-Dichlorobenzene	ND	µg/m ³	8	
B14-17'	5/6/2016	EPA 8260B	107-06-2	1,2-Dichloroethane	ND	µg/m ³	8	
B14-17'	5/6/2016	EPA 8260B	78-87-5	1,2-Dichloropropane	ND	µg/m ³	8	
B14-17'	5/6/2016	EPA 8260B	108-67-8	1,3,5-Trimethylbenzene	ND	µg/m ³	8	
B14-17'	5/6/2016	EPA 8260B	541-73-1	1,3-Dichlorobenzene	ND	µg/m ³	8	
B14-17'	5/6/2016	EPA 8260B	142-28-9	1,3-Dichloropropane	ND	µg/m ³	8	
B14-17'	5/6/2016	EPA 8260B	106-46-7	1,4-Dichlorobenzene	ND	µg/m ³	8	
B14-17'	5/6/2016	EPA 8260B	594-20-7	2,2-Dichloropropane	ND	µg/m ³	8	
B14-17'	5/6/2016	EPA 8260B	95-49-8	2-Chlorotoluene	ND	µg/m ³	8	
B14-17'	5/6/2016	EPA 8260B	106-43-4	4-Chlorotoluene	ND	µg/m ³	8	
B14-17'	5/6/2016	EPA 8260B	99-87-6	4-Isopropyltoluene	ND	µg/m ³	8	
B14-17'	5/6/2016	EPA 8260B	71-43-2	Benzene	ND	µg/m ³	8	
B14-17'	5/6/2016	EPA 8260B	108-86-1	Bromobenzene	ND	µg/m ³	8	
B14-17'	5/6/2016	EPA 8260B	75-27-4	Bromodichloromethane	ND	µg/m ³	8	
B14-17'	5/6/2016	EPA 8260B	75-25-2	Bromoform	ND	µg/m ³	8	
B14-17'	5/6/2016	EPA 8260B	56-23-5	Carbon Tetrachloride	ND	µg/m ³	8	
B14-17'	5/6/2016	EPA 8260B	108-90-7	Chlorobenzene	ND	µg/m ³	8	
B14-17'	5/6/2016	EPA 8260B	67-66-3	Chloroform	ND	µg/m ³	8	
B14-17'	5/6/2016	EPA 8260B	156-59-2	cis-1,2-Dichloroethene	ND	µg/m ³	8	
B14-17'	5/6/2016	EPA 8260B	10061-01-5	cis-1,3-Dichloropropene	ND	µg/m ³	8	
B14-17'	5/6/2016	EPA 8260B	124-48-1	Dibromochloromethane	ND	µg/m ³	8	
B14-17'	5/6/2016	EPA 8260B	74-95-3	Dibromomethane	ND	µg/m ³	8	
B14-17'	5/6/2016	EPA 8260B	75-71-8	Dichlorodifluoromethane	8.2	µg/m ³	8	
B14-17'	5/6/2016	EPA 8260B	108-20-3	Di-isopropylether (DIPE)	ND	µg/m ³	40	
B14-17'	5/6/2016	EPA 8260B	100-41-4	Ethylbenzene	ND	µg/m ³	8	
B14-17'	5/6/2016	EPA 8260B	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/m ³	40	
B14-17'	5/6/2016	EPA 8260B	76-13-1	Freon 113	ND	µg/m ³	40	
B14-17'	5/6/2016	EPA 8260B	87-68-3	Hexachlorobutadiene	ND	µg/m ³	8	
B14-17'	5/6/2016	EPA 8260B	98-82-8	Isopropylbenzene	ND	µg/m ³	8	
B14-17'	5/6/2016	EPA 8260B	75-09-2	Methylene Chloride	ND	µg/m ³	8	
B14-17'	5/6/2016	EPA 8260B	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/m ³	40	
B14-17'	5/6/2016	EPA 8260B	91-20-3	Naphthalene	ND	µg/m ³	8	
B14-17'	5/6/2016	EPA 8260B	104-51-8	n-Butylbenzene	ND	µg/m ³	8	
B14-17'	5/6/2016	EPA 8260B	109-66-0	n-Pentane	ND	µg/m ³	8	
B14-17'	5/6/2016	EPA 8260B	103-65-1	n-Propylbenzene	ND	µg/m ³	8	
B14-17'	5/6/2016	EPA 8260B	135-98-8	sec-Butylbenzene	ND	µg/m ³	8	
B14-17'	5/6/2016	EPA 8260B	100-42-5	Styrene	ND	µg/m ³	8	
B14-17'	5/6/2016	EPA 8260B	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/m ³	400	
B14-17'	5/6/2016	EPA 8260B	994-05-8	Tert-amylmethylether (TAME)	ND	µg/m ³	40	
B14-17'	5/6/2016	EPA 8260B	98-06-6	tert-Butylbenzene	ND	µg/m ³	8	
B14-17'	5/6/2016	EPA 8260B	127-18-4	Tetrachloroethylene	143	µg/m ³	8	
B14-17'	5/6/2016	EPA 8260B	108-88-3	Toluene	80.6	µg/m ³	8	
B14-17'	5/6/2016	EPA 8260B	156-60-5	trans-1,2-Dichloroethene	ND	µg/m ³	8	
B14-17'	5/6/2016	EPA 8260B	10061-02-6	trans-1,3-Dichloropropene	ND	µg/m ³	8	
B14-17'	5/6/2016	EPA 8260B	79-01-6	Trichloroethylene	41.4	µg/m ³	8	
B14-17'	5/6/2016	EPA 8260B	75-69-4	Trichlorofluoromethane	ND	µg/m ³	8	
B14-17'	5/6/2016	EPA 8260B	75-01-4	Vinyl Chloride	ND	µg/m ³	8	
B14-17'	5/6/2016	EPA 8260B	1330-20-7	Xylenes	27	µg/m ³	8	
B15-4'	5/6/2016	EPA 8260B	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/m ³	8	
B15-4'	5/6/2016	EPA 8260B	71-55-6	1,1,1-Trichloroethane	ND	µg/m ³	8	
B15-4'	5/6/2016	EPA 8260B	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/m ³	8	
B15-4'	5/6/2016	EPA 8260B	79-00-5	1,1,2-Trichloroethane	ND	µg/m ³	8	

Sample Name	Sample Date	Analytical Method	CAS Number	Analyte	Result	Unit	Detection Limit	Lab Qualifier
B15-4'	5/6/2016	EPA 8260B	75-34-3	1,1-Dichloroethane	ND	µg/m ³	8	
B15-4'	5/6/2016	EPA 8260B	75-35-4	1,1-Dichloroethene	ND	µg/m ³	8	
B15-4'	5/6/2016	EPA 8260B	563-58-6	1,1-Dichloropropene	ND	µg/m ³	8	
B15-4'	5/6/2016	EPA 8260B	87-61-6	1,2,3-Trichlorobenzene	ND	µg/m ³	8	
B15-4'	5/6/2016	EPA 8260B	96-18-4	1,2,3-Trichloropropane	ND	µg/m ³	8	
B15-4'	5/6/2016	EPA 8260B	120-82-1	1,2,4-Trichlorobenzene	ND	µg/m ³	8	
B15-4'	5/6/2016	EPA 8260B	95-63-6	1,2,4-Trimethylbenzene	ND	µg/m ³	8	
B15-4'	5/6/2016	EPA 8260B	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/m ³	8	
B15-4'	5/6/2016	EPA 8260B	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/m ³	8	
B15-4'	5/6/2016	EPA 8260B	95-50-1	1,2-Dichlorobenzene	ND	µg/m ³	8	
B15-4'	5/6/2016	EPA 8260B	107-06-2	1,2-Dichloroethane	ND	µg/m ³	8	
B15-4'	5/6/2016	EPA 8260B	78-87-5	1,2-Dichloropropane	ND	µg/m ³	8	
B15-4'	5/6/2016	EPA 8260B	108-67-8	1,3,5-Trimethylbenzene	ND	µg/m ³	8	
B15-4'	5/6/2016	EPA 8260B	541-73-1	1,3-Dichlorobenzene	ND	µg/m ³	8	
B15-4'	5/6/2016	EPA 8260B	142-28-9	1,3-Dichloropropane	ND	µg/m ³	8	
B15-4'	5/6/2016	EPA 8260B	106-46-7	1,4-Dichlorobenzene	ND	µg/m ³	8	
B15-4'	5/6/2016	EPA 8260B	594-20-7	2,2-Dichloropropane	ND	µg/m ³	8	
B15-4'	5/6/2016	EPA 8260B	95-49-8	2-Chlorotoluene	ND	µg/m ³	8	
B15-4'	5/6/2016	EPA 8260B	106-43-4	4-Chlorotoluene	ND	µg/m ³	8	
B15-4'	5/6/2016	EPA 8260B	99-87-6	4-Isopropyltoluene	ND	µg/m ³	8	
B15-4'	5/6/2016	EPA 8260B	71-43-2	Benzene	ND	µg/m ³	8	
B15-4'	5/6/2016	EPA 8260B	108-86-1	Bromobenzene	ND	µg/m ³	8	
B15-4'	5/6/2016	EPA 8260B	75-27-4	Bromodichloromethane	ND	µg/m ³	8	
B15-4'	5/6/2016	EPA 8260B	75-25-2	Bromoform	ND	µg/m ³	8	
B15-4'	5/6/2016	EPA 8260B	56-23-5	Carbon Tetrachloride	ND	µg/m ³	8	
B15-4'	5/6/2016	EPA 8260B	108-90-7	Chlorobenzene	ND	µg/m ³	8	
B15-4'	5/6/2016	EPA 8260B	67-66-3	Chloroform	ND	µg/m ³	8	
B15-4'	5/6/2016	EPA 8260B	156-59-2	cis-1,2-Dichloroethene	ND	µg/m ³	8	
B15-4'	5/6/2016	EPA 8260B	10061-01-5	cis-1,3-Dichloropropene	ND	µg/m ³	8	
B15-4'	5/6/2016	EPA 8260B	124-48-1	Dibromochloromethane	ND	µg/m ³	8	
B15-4'	5/6/2016	EPA 8260B	74-95-3	Dibromomethane	ND	µg/m ³	8	
B15-4'	5/6/2016	EPA 8260B	75-71-8	Dichlorodifluoromethane	16.6	µg/m ³	8	
B15-4'	5/6/2016	EPA 8260B	108-20-3	Di-isopropylether (DIPE)	ND	µg/m ³	40	
B15-4'	5/6/2016	EPA 8260B	100-41-4	Ethylbenzene	ND	µg/m ³	8	
B15-4'	5/6/2016	EPA 8260B	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/m ³	40	
B15-4'	5/6/2016	EPA 8260B	76-13-1	Freon 113	ND	µg/m ³	40	
B15-4'	5/6/2016	EPA 8260B	87-68-3	Hexachlorobutadiene	ND	µg/m ³	8	
B15-4'	5/6/2016	EPA 8260B	98-82-8	Isopropylbenzene	ND	µg/m ³	8	
B15-4'	5/6/2016	EPA 8260B	75-09-2	Methylene Chloride	ND	µg/m ³	8	
B15-4'	5/6/2016	EPA 8260B	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/m ³	40	
B15-4'	5/6/2016	EPA 8260B	91-20-3	Naphthalene	ND	µg/m ³	8	
B15-4'	5/6/2016	EPA 8260B	104-51-8	n-Butylbenzene	ND	µg/m ³	8	
B15-4'	5/6/2016	EPA 8260B	109-66-0	n-Pentane	ND	µg/m ³	8	
B15-4'	5/6/2016	EPA 8260B	103-65-1	n-Propylbenzene	ND	µg/m ³	8	
B15-4'	5/6/2016	EPA 8260B	135-98-8	sec-Butylbenzene	ND	µg/m ³	8	
B15-4'	5/6/2016	EPA 8260B	100-42-5	Styrene	ND	µg/m ³	8	
B15-4'	5/6/2016	EPA 8260B	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/m ³	400	
B15-4'	5/6/2016	EPA 8260B	994-05-8	Tert-amylmethylether (TAME)	ND	µg/m ³	40	
B15-4'	5/6/2016	EPA 8260B	98-06-6	tert-Butylbenzene	ND	µg/m ³	8	
B15-4'	5/6/2016	EPA 8260B	127-18-4	Tetrachloroethylene	222	µg/m ³	8	
B15-4'	5/6/2016	EPA 8260B	108-88-3	Toluene	18.4	µg/m ³	8	
B15-4'	5/6/2016	EPA 8260B	156-60-5	trans-1,2-Dichloroethene	ND	µg/m ³	8	
B15-4'	5/6/2016	EPA 8260B	10061-02-6	trans-1,3-Dichloropropene	ND	µg/m ³	8	

Sample Name	Sample Date	Analytical Method	CAS Number	Analyte	Result	Unit	Detection Limit	Lab Qualifier
B15-4'	5/6/2016	EPA 8260B	79-01-6	Trichloroethylene	31.8	µg/m ³	8	
B15-4'	5/6/2016	EPA 8260B	75-69-4	Trichlorofluoromethane	ND	µg/m ³	8	
B15-4'	5/6/2016	EPA 8260B	75-01-4	Vinyl Chloride	ND	µg/m ³	8	
B15-4'	5/6/2016	EPA 8260B	1330-20-7	Xylenes	ND	µg/m ³	8	
LB1-15'	5/6/2016	EPA 8260B	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/m ³	8	
LB1-15'	5/6/2016	EPA 8260B	71-55-6	1,1,1-Trichloroethane	39.2	µg/m ³	8	
LB1-15'	5/6/2016	EPA 8260B	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/m ³	8	
LB1-15'	5/6/2016	EPA 8260B	79-00-5	1,1,2-Trichloroethane	ND	µg/m ³	8	
LB1-15'	5/6/2016	EPA 8260B	75-34-3	1,1-Dichloroethane	ND	µg/m ³	8	
LB1-15'	5/6/2016	EPA 8260B	75-35-4	1,1-Dichloroethene	ND	µg/m ³	8	
LB1-15'	5/6/2016	EPA 8260B	563-58-6	1,1-Dichloropropene	ND	µg/m ³	8	
LB1-15'	5/6/2016	EPA 8260B	87-61-6	1,2,3-Trichlorobenzene	ND	µg/m ³	8	
LB1-15'	5/6/2016	EPA 8260B	96-18-4	1,2,3-Trichloropropane	ND	µg/m ³	8	
LB1-15'	5/6/2016	EPA 8260B	120-82-1	1,2,4-Trichlorobenzene	ND	µg/m ³	8	
LB1-15'	5/6/2016	EPA 8260B	95-63-6	1,2,4-Trimethylbenzene	ND	µg/m ³	8	
LB1-15'	5/6/2016	EPA 8260B	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/m ³	8	
LB1-15'	5/6/2016	EPA 8260B	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/m ³	8	
LB1-15'	5/6/2016	EPA 8260B	95-50-1	1,2-Dichlorobenzene	ND	µg/m ³	8	
LB1-15'	5/6/2016	EPA 8260B	107-06-2	1,2-Dichloroethane	ND	µg/m ³	8	
LB1-15'	5/6/2016	EPA 8260B	78-87-5	1,2-Dichloropropane	ND	µg/m ³	8	
LB1-15'	5/6/2016	EPA 8260B	108-67-8	1,3,5-Trimethylbenzene	ND	µg/m ³	8	
LB1-15'	5/6/2016	EPA 8260B	541-73-1	1,3-Dichlorobenzene	ND	µg/m ³	8	
LB1-15'	5/6/2016	EPA 8260B	142-28-9	1,3-Dichloropropane	ND	µg/m ³	8	
LB1-15'	5/6/2016	EPA 8260B	106-46-7	1,4-Dichlorobenzene	ND	µg/m ³	8	
LB1-15'	5/6/2016	EPA 8260B	594-20-7	2,2-Dichloropropane	ND	µg/m ³	8	
LB1-15'	5/6/2016	EPA 8260B	95-49-8	2-Chlorotoluene	ND	µg/m ³	8	
LB1-15'	5/6/2016	EPA 8260B	106-43-4	4-Chlorotoluene	ND	µg/m ³	8	
LB1-15'	5/6/2016	EPA 8260B	99-87-6	4-Isopropyltoluene	ND	µg/m ³	8	
LB1-15'	5/6/2016	EPA 8260B	71-43-2	Benzene	ND	µg/m ³	8	
LB1-15'	5/6/2016	EPA 8260B	108-86-1	Bromobenzene	ND	µg/m ³	8	
LB1-15'	5/6/2016	EPA 8260B	75-27-4	Bromodichloromethane	ND	µg/m ³	8	
LB1-15'	5/6/2016	EPA 8260B	75-25-2	Bromoform	ND	µg/m ³	8	
LB1-15'	5/6/2016	EPA 8260B	56-23-5	Carbon Tetrachloride	ND	µg/m ³	8	
LB1-15'	5/6/2016	EPA 8260B	108-90-7	Chlorobenzene	ND	µg/m ³	8	
LB1-15'	5/6/2016	EPA 8260B	67-66-3	Chloroform	ND	µg/m ³	8	
LB1-15'	5/6/2016	EPA 8260B	156-59-2	cis-1,2-Dichloroethene	ND	µg/m ³	8	
LB1-15'	5/6/2016	EPA 8260B	10061-01-5	cis-1,3-Dichloropropene	ND	µg/m ³	8	
LB1-15'	5/6/2016	EPA 8260B	124-48-1	Dibromochloromethane	ND	µg/m ³	8	
LB1-15'	5/6/2016	EPA 8260B	74-95-3	Dibromomethane	ND	µg/m ³	8	
LB1-15'	5/6/2016	EPA 8260B	75-71-8	Dichlorodifluoromethane	43.4	µg/m ³	8	
LB1-15'	5/6/2016	EPA 8260B	108-20-3	Di-isopropylether (DIPE)	ND	µg/m ³	40	
LB1-15'	5/6/2016	EPA 8260B	100-41-4	Ethylbenzene	ND	µg/m ³	8	
LB1-15'	5/6/2016	EPA 8260B	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/m ³	40	
LB1-15'	5/6/2016	EPA 8260B	76-13-1	Freon 113	ND	µg/m ³	40	
LB1-15'	5/6/2016	EPA 8260B	87-68-3	Hexachlorobutadiene	ND	µg/m ³	8	
LB1-15'	5/6/2016	EPA 8260B	98-82-8	Isopropylbenzene	ND	µg/m ³	8	
LB1-15'	5/6/2016	EPA 8260B	75-09-2	Methylene Chloride	ND	µg/m ³	8	
LB1-15'	5/6/2016	EPA 8260B	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/m ³	40	
LB1-15'	5/6/2016	EPA 8260B	91-20-3	Naphthalene	ND	µg/m ³	8	
LB1-15'	5/6/2016	EPA 8260B	104-51-8	n-Butylbenzene	ND	µg/m ³	8	
LB1-15'	5/6/2016	EPA 8260B	109-66-0	n-Pentane	ND	µg/m ³	8	
LB1-15'	5/6/2016	EPA 8260B	103-65-1	n-Propylbenzene	ND	µg/m ³	8	
LB1-15'	5/6/2016	EPA 8260B	135-98-8	sec-Butylbenzene	ND	µg/m ³	8	

Sample Name	Sample Date	Analytical Method	CAS Number	Analyte	Result	Unit	Detection Limit	Lab Qualifier
LB1-15'	5/6/2016	EPA 8260B	100-42-5	Styrene	ND	µg/m ³	8	
LB1-15'	5/6/2016	EPA 8260B	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/m ³	400	
LB1-15'	5/6/2016	EPA 8260B	994-05-8	Tert-amylmethylether (TAME)	ND	µg/m ³	40	
LB1-15'	5/6/2016	EPA 8260B	98-06-6	tert-Butylbenzene	ND	µg/m ³	8	
LB1-15'	5/6/2016	EPA 8260B	127-18-4	Tetrachloroethylene	423	µg/m ³	8	
LB1-15'	5/6/2016	EPA 8260B	108-88-3	Toluene	76	µg/m ³	8	
LB1-15'	5/6/2016	EPA 8260B	156-60-5	trans-1,2-Dichloroethene	ND	µg/m ³	8	
LB1-15'	5/6/2016	EPA 8260B	10061-02-6	trans-1,3-Dichloropropene	ND	µg/m ³	8	
LB1-15'	5/6/2016	EPA 8260B	79-01-6	Trichloroethylene	38	µg/m ³	8	
LB1-15'	5/6/2016	EPA 8260B	75-69-4	Trichlorofluoromethane	ND	µg/m ³	8	
LB1-15'	5/6/2016	EPA 8260B	75-01-4	Vinyl Chloride	ND	µg/m ³	8	
LB1-15'	5/6/2016	EPA 8260B	1330-20-7	Xylenes	11.6	µg/m ³	8	
LB1-20.5'	5/6/2016	EPA 8260B	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/m ³	8	
LB1-20.5'	5/6/2016	EPA 8260B	71-55-6	1,1,1-Trichloroethane	167	µg/m ³	8	
LB1-20.5'	5/6/2016	EPA 8260B	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/m ³	8	
LB1-20.5'	5/6/2016	EPA 8260B	79-00-5	1,1,2-Trichloroethane	ND	µg/m ³	8	
LB1-20.5'	5/6/2016	EPA 8260B	75-34-3	1,1-Dichloroethane	ND	µg/m ³	8	
LB1-20.5'	5/6/2016	EPA 8260B	75-35-4	1,1-Dichloroethene	ND	µg/m ³	8	
LB1-20.5'	5/6/2016	EPA 8260B	563-58-6	1,1-Dichloropropene	ND	µg/m ³	8	
LB1-20.5'	5/6/2016	EPA 8260B	87-61-6	1,2,3-Trichlorobenzene	ND	µg/m ³	8	
LB1-20.5'	5/6/2016	EPA 8260B	96-18-4	1,2,3-Trichloropropane	ND	µg/m ³	8	
LB1-20.5'	5/6/2016	EPA 8260B	120-82-1	1,2,4-Trichlorobenzene	ND	µg/m ³	8	
LB1-20.5'	5/6/2016	EPA 8260B	95-63-6	1,2,4-Trimethylbenzene	ND	µg/m ³	8	
LB1-20.5'	5/6/2016	EPA 8260B	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/m ³	8	
LB1-20.5'	5/6/2016	EPA 8260B	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/m ³	8	
LB1-20.5'	5/6/2016	EPA 8260B	95-50-1	1,2-Dichlorobenzene	ND	µg/m ³	8	
LB1-20.5'	5/6/2016	EPA 8260B	107-06-2	1,2-Dichloroethane	ND	µg/m ³	8	
LB1-20.5'	5/6/2016	EPA 8260B	78-87-5	1,2-Dichloropropane	ND	µg/m ³	8	
LB1-20.5'	5/6/2016	EPA 8260B	108-67-8	1,3,5-Trimethylbenzene	ND	µg/m ³	8	
LB1-20.5'	5/6/2016	EPA 8260B	541-73-1	1,3-Dichlorobenzene	ND	µg/m ³	8	
LB1-20.5'	5/6/2016	EPA 8260B	142-28-9	1,3-Dichloropropane	ND	µg/m ³	8	
LB1-20.5'	5/6/2016	EPA 8260B	106-46-7	1,4-Dichlorobenzene	ND	µg/m ³	8	
LB1-20.5'	5/6/2016	EPA 8260B	594-20-7	2,2-Dichloropropane	ND	µg/m ³	8	
LB1-20.5'	5/6/2016	EPA 8260B	95-49-8	2-Chlorotoluene	ND	µg/m ³	8	
LB1-20.5'	5/6/2016	EPA 8260B	106-43-4	4-Chlorotoluene	ND	µg/m ³	8	
LB1-20.5'	5/6/2016	EPA 8260B	99-87-6	4-Isopropyltoluene	ND	µg/m ³	8	
LB1-20.5'	5/6/2016	EPA 8260B	71-43-2	Benzene	ND	µg/m ³	8	
LB1-20.5'	5/6/2016	EPA 8260B	108-86-1	Bromobenzene	ND	µg/m ³	8	
LB1-20.5'	5/6/2016	EPA 8260B	75-27-4	Bromodichloromethane	ND	µg/m ³	8	
LB1-20.5'	5/6/2016	EPA 8260B	75-25-2	Bromoform	ND	µg/m ³	8	
LB1-20.5'	5/6/2016	EPA 8260B	56-23-5	Carbon Tetrachloride	ND	µg/m ³	8	
LB1-20.5'	5/6/2016	EPA 8260B	108-90-7	Chlorobenzene	ND	µg/m ³	8	
LB1-20.5'	5/6/2016	EPA 8260B	67-66-3	Chloroform	ND	µg/m ³	8	
LB1-20.5'	5/6/2016	EPA 8260B	156-59-2	cis-1,2-Dichloroethene	ND	µg/m ³	8	
LB1-20.5'	5/6/2016	EPA 8260B	10061-01-5	cis-1,3-Dichloropropene	ND	µg/m ³	8	
LB1-20.5'	5/6/2016	EPA 8260B	124-48-1	Dibromochloromethane	ND	µg/m ³	8	
LB1-20.5'	5/6/2016	EPA 8260B	74-95-3	Dibromomethane	ND	µg/m ³	8	
LB1-20.5'	5/6/2016	EPA 8260B	75-71-8	Dichlorodifluoromethane	33	µg/m ³	8	
LB1-20.5'	5/6/2016	EPA 8260B	108-20-3	Di-isopropylether (DIPE)	ND	µg/m ³	40	
LB1-20.5'	5/6/2016	EPA 8260B	100-41-4	Ethylbenzene	ND	µg/m ³	8	
LB1-20.5'	5/6/2016	EPA 8260B	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/m ³	40	
LB1-20.5'	5/6/2016	EPA 8260B	76-13-1	Freon 113	ND	µg/m ³	40	
LB1-20.5'	5/6/2016	EPA 8260B	87-68-3	Hexachlorobutadiene	ND	µg/m ³	8	

Sample Name	Sample Date	Analytical Method	CAS Number	Analyte	Result	Unit	Detection Limit	Lab Qualifier
LB1-20.5'	5/6/2016	EPA 8260B	98-82-8	Isopropylbenzene	ND	µg/m ³	8	
LB1-20.5'	5/6/2016	EPA 8260B	75-09-2	Methylene Chloride	ND	µg/m ³	8	
LB1-20.5'	5/6/2016	EPA 8260B	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/m ³	40	
LB1-20.5'	5/6/2016	EPA 8260B	91-20-3	Naphthalene	ND	µg/m ³	8	
LB1-20.5'	5/6/2016	EPA 8260B	104-51-8	n-Butylbenzene	ND	µg/m ³	8	
LB1-20.5'	5/6/2016	EPA 8260B	109-66-0	n-Pentane	ND	µg/m ³	8	
LB1-20.5'	5/6/2016	EPA 8260B	103-65-1	n-Propylbenzene	ND	µg/m ³	8	
LB1-20.5'	5/6/2016	EPA 8260B	135-98-8	sec-Butylbenzene	ND	µg/m ³	8	
LB1-20.5'	5/6/2016	EPA 8260B	100-42-5	Styrene	ND	µg/m ³	8	
LB1-20.5'	5/6/2016	EPA 8260B	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/m ³	400	
LB1-20.5'	5/6/2016	EPA 8260B	994-05-8	Tert-amylmethylether (TAME)	ND	µg/m ³	40	
LB1-20.5'	5/6/2016	EPA 8260B	98-06-6	tert-Butylbenzene	ND	µg/m ³	8	
LB1-20.5'	5/6/2016	EPA 8260B	127-18-4	Tetrachloroethylene	11000	µg/m ³	8	
LB1-20.5'	5/6/2016	EPA 8260B	108-88-3	Toluene	45.4	µg/m ³	8	
LB1-20.5'	5/6/2016	EPA 8260B	156-60-5	trans-1,2-Dichloroethene	ND	µg/m ³	8	
LB1-20.5'	5/6/2016	EPA 8260B	10061-02-6	trans-1,3-Dichloropropene	ND	µg/m ³	8	
LB1-20.5'	5/6/2016	EPA 8260B	79-01-6	Trichloroethylene	332	µg/m ³	8	
LB1-20.5'	5/6/2016	EPA 8260B	75-69-4	Trichlorofluoromethane	ND	µg/m ³	8	
LB1-20.5'	5/6/2016	EPA 8260B	75-01-4	Vinyl Chloride	ND	µg/m ³	8	
LB1-20.5'	5/6/2016	EPA 8260B	1330-20-7	Xylenes	ND	µg/m ³	8	
LB2-19.5'	5/6/2016	EPA 8260B	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/m ³	8	
LB2-19.5'	5/6/2016	EPA 8260B	71-55-6	1,1,1-Trichloroethane	ND	µg/m ³	8	
LB2-19.5'	5/6/2016	EPA 8260B	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/m ³	8	
LB2-19.5'	5/6/2016	EPA 8260B	79-00-5	1,1,2-Trichloroethane	ND	µg/m ³	8	
LB2-19.5'	5/6/2016	EPA 8260B	75-34-3	1,1-Dichloroethane	ND	µg/m ³	8	
LB2-19.5'	5/6/2016	EPA 8260B	75-35-4	1,1-Dichloroethene	ND	µg/m ³	8	
LB2-19.5'	5/6/2016	EPA 8260B	563-58-6	1,1-Dichloropropene	ND	µg/m ³	8	
LB2-19.5'	5/6/2016	EPA 8260B	87-61-6	1,2,3-Trichlorobenzene	ND	µg/m ³	8	
LB2-19.5'	5/6/2016	EPA 8260B	96-18-4	1,2,3-Trichloropropane	ND	µg/m ³	8	
LB2-19.5'	5/6/2016	EPA 8260B	120-82-1	1,2,4-Trichlorobenzene	ND	µg/m ³	8	
LB2-19.5'	5/6/2016	EPA 8260B	95-63-6	1,2,4-Trimethylbenzene	ND	µg/m ³	8	
LB2-19.5'	5/6/2016	EPA 8260B	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/m ³	8	
LB2-19.5'	5/6/2016	EPA 8260B	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/m ³	8	
LB2-19.5'	5/6/2016	EPA 8260B	95-50-1	1,2-Dichlorobenzene	ND	µg/m ³	8	
LB2-19.5'	5/6/2016	EPA 8260B	107-06-2	1,2-Dichloroethane	ND	µg/m ³	8	
LB2-19.5'	5/6/2016	EPA 8260B	78-87-5	1,2-Dichloropropane	ND	µg/m ³	8	
LB2-19.5'	5/6/2016	EPA 8260B	108-67-8	1,3,5-Trimethylbenzene	ND	µg/m ³	8	
LB2-19.5'	5/6/2016	EPA 8260B	541-73-1	1,3-Dichlorobenzene	ND	µg/m ³	8	
LB2-19.5'	5/6/2016	EPA 8260B	142-28-9	1,3-Dichloropropane	ND	µg/m ³	8	
LB2-19.5'	5/6/2016	EPA 8260B	106-46-7	1,4-Dichlorobenzene	ND	µg/m ³	8	
LB2-19.5'	5/6/2016	EPA 8260B	594-20-7	2,2-Dichloropropane	ND	µg/m ³	8	
LB2-19.5'	5/6/2016	EPA 8260B	95-49-8	2-Chlorotoluene	ND	µg/m ³	8	
LB2-19.5'	5/6/2016	EPA 8260B	106-43-4	4-Chlorotoluene	ND	µg/m ³	8	
LB2-19.5'	5/6/2016	EPA 8260B	99-87-6	4-Isopropyltoluene	ND	µg/m ³	8	
LB2-19.5'	5/6/2016	EPA 8260B	71-43-2	Benzene	15.2	µg/m ³	8	
LB2-19.5'	5/6/2016	EPA 8260B	108-86-1	Bromobenzene	ND	µg/m ³	8	
LB2-19.5'	5/6/2016	EPA 8260B	75-27-4	Bromodichloromethane	ND	µg/m ³	8	
LB2-19.5'	5/6/2016	EPA 8260B	75-25-2	Bromoform	ND	µg/m ³	8	
LB2-19.5'	5/6/2016	EPA 8260B	56-23-5	Carbon Tetrachloride	ND	µg/m ³	8	
LB2-19.5'	5/6/2016	EPA 8260B	108-90-7	Chlorobenzene	ND	µg/m ³	8	
LB2-19.5'	5/6/2016	EPA 8260B	67-66-3	Chloroform	ND	µg/m ³	8	
LB2-19.5'	5/6/2016	EPA 8260B	156-59-2	cis-1,2-Dichloroethene	ND	µg/m ³	8	
LB2-19.5'	5/6/2016	EPA 8260B	10061-01-5	cis-1,3-Dichloropropene	ND	µg/m ³	8	

Sample Name	Sample Date	Analytical Method	CAS Number	Analyte	Result	Unit	Detection Limit	Lab Qualifier
LB2-19.5'	5/6/2016	EPA 8260B	124-48-1	Dibromochloromethane	ND	µg/m ³	8	
LB2-19.5'	5/6/2016	EPA 8260B	74-95-3	Dibromomethane	ND	µg/m ³	8	
LB2-19.5'	5/6/2016	EPA 8260B	75-71-8	Dichlorodifluoromethane	99.2	µg/m ³	8	
LB2-19.5'	5/6/2016	EPA 8260B	108-20-3	Di-isopropylether (DIPE)	ND	µg/m ³	40	
LB2-19.5'	5/6/2016	EPA 8260B	100-41-4	Ethylbenzene	ND	µg/m ³	8	
LB2-19.5'	5/6/2016	EPA 8260B	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/m ³	40	
LB2-19.5'	5/6/2016	EPA 8260B	76-13-1	Freon 113	ND	µg/m ³	40	
LB2-19.5'	5/6/2016	EPA 8260B	87-68-3	Hexachlorobutadiene	ND	µg/m ³	8	
LB2-19.5'	5/6/2016	EPA 8260B	98-82-8	Isopropylbenzene	ND	µg/m ³	8	
LB2-19.5'	5/6/2016	EPA 8260B	75-09-2	Methylene Chloride	ND	µg/m ³	8	
LB2-19.5'	5/6/2016	EPA 8260B	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/m ³	40	
LB2-19.5'	5/6/2016	EPA 8260B	91-20-3	Naphthalene	ND	µg/m ³	8	
LB2-19.5'	5/6/2016	EPA 8260B	104-51-8	n-Butylbenzene	ND	µg/m ³	8	
LB2-19.5'	5/6/2016	EPA 8260B	109-66-0	n-Pentane	ND	µg/m ³	8	
LB2-19.5'	5/6/2016	EPA 8260B	103-65-1	n-Propylbenzene	ND	µg/m ³	8	
LB2-19.5'	5/6/2016	EPA 8260B	135-98-8	sec-Butylbenzene	ND	µg/m ³	8	
LB2-19.5'	5/6/2016	EPA 8260B	100-42-5	Styrene	ND	µg/m ³	8	
LB2-19.5'	5/6/2016	EPA 8260B	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/m ³	400	
LB2-19.5'	5/6/2016	EPA 8260B	994-05-8	Tert-amylmethylether (TAME)	ND	µg/m ³	40	
LB2-19.5'	5/6/2016	EPA 8260B	98-06-6	tert-Butylbenzene	ND	µg/m ³	8	
LB2-19.5'	5/6/2016	EPA 8260B	127-18-4	Tetrachloroethylene	63200	µg/m ³	80	D
LB2-19.5'	5/6/2016	EPA 8260B	108-88-3	Toluene	68.2	µg/m ³	8	
LB2-19.5'	5/6/2016	EPA 8260B	156-60-5	trans-1,2-Dichloroethene	ND	µg/m ³	8	
LB2-19.5'	5/6/2016	EPA 8260B	10061-02-6	trans-1,3-Dichloropropene	ND	µg/m ³	8	
LB2-19.5'	5/6/2016	EPA 8260B	79-01-6	Trichloroethylene	110	µg/m ³	8	
LB2-19.5'	5/6/2016	EPA 8260B	75-69-4	Trichlorofluoromethane	ND	µg/m ³	8	
LB2-19.5'	5/6/2016	EPA 8260B	75-01-4	Vinyl Chloride	ND	µg/m ³	8	
LB2-19.5'	5/6/2016	EPA 8260B	1330-20-7	Xylenes	ND	µg/m ³	8	
LB3-20'	5/6/2016	EPA 8260B	630-20-6	1,1,1,2-Tetrachloroethane	635	µg/m ³	8	
LB3-20'	5/6/2016	EPA 8260B	71-55-6	1,1,1-Trichloroethane	8	µg/m ³	8	
LB3-20'	5/6/2016	EPA 8260B	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/m ³	8	
LB3-20'	5/6/2016	EPA 8260B	79-00-5	1,1,2-Trichloroethane	ND	µg/m ³	8	
LB3-20'	5/6/2016	EPA 8260B	75-34-3	1,1-Dichloroethane	ND	µg/m ³	8	
LB3-20'	5/6/2016	EPA 8260B	75-35-4	1,1-Dichloroethene	242	µg/m ³	8	
LB3-20'	5/6/2016	EPA 8260B	563-58-6	1,1-Dichloropropene	ND	µg/m ³	8	
LB3-20'	5/6/2016	EPA 8260B	87-61-6	1,2,3-Trichlorobenzene	ND	µg/m ³	8	
LB3-20'	5/6/2016	EPA 8260B	96-18-4	1,2,3-Trichloropropane	ND	µg/m ³	8	
LB3-20'	5/6/2016	EPA 8260B	120-82-1	1,2,4-Trichlorobenzene	ND	µg/m ³	8	
LB3-20'	5/6/2016	EPA 8260B	95-63-6	1,2,4-Trimethylbenzene	ND	µg/m ³	8	
LB3-20'	5/6/2016	EPA 8260B	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/m ³	8	
LB3-20'	5/6/2016	EPA 8260B	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/m ³	8	
LB3-20'	5/6/2016	EPA 8260B	95-50-1	1,2-Dichlorobenzene	ND	µg/m ³	8	
LB3-20'	5/6/2016	EPA 8260B	107-06-2	1,2-Dichloroethane	ND	µg/m ³	8	
LB3-20'	5/6/2016	EPA 8260B	78-87-5	1,2-Dichloropropane	ND	µg/m ³	8	
LB3-20'	5/6/2016	EPA 8260B	108-67-8	1,3,5-Trimethylbenzene	ND	µg/m ³	8	
LB3-20'	5/6/2016	EPA 8260B	541-73-1	1,3-Dichlorobenzene	ND	µg/m ³	8	
LB3-20'	5/6/2016	EPA 8260B	142-28-9	1,3-Dichloropropane	ND	µg/m ³	8	
LB3-20'	5/6/2016	EPA 8260B	106-46-7	1,4-Dichlorobenzene	ND	µg/m ³	8	
LB3-20'	5/6/2016	EPA 8260B	594-20-7	2,2-Dichloropropane	ND	µg/m ³	8	
LB3-20'	5/6/2016	EPA 8260B	95-49-8	2-Chlorotoluene	ND	µg/m ³	8	
LB3-20'	5/6/2016	EPA 8260B	106-43-4	4-Chlorotoluene	ND	µg/m ³	8	
LB3-20'	5/6/2016	EPA 8260B	99-87-6	4-Isopropyltoluene	ND	µg/m ³	8	
LB3-20'	5/6/2016	EPA 8260B	71-43-2	Benzene	26.9	µg/m ³	8	

Sample Name	Sample Date	Analytical Method	CAS Number	Analyte	Result	Unit	Detection Limit	Lab Qualifier
LB3-20'	5/6/2016	EPA 8260B	108-86-1	Bromobenzene	ND	µg/m ³	8	
LB3-20'	5/6/2016	EPA 8260B	75-27-4	Bromodichloromethane	ND	µg/m ³	8	
LB3-20'	5/6/2016	EPA 8260B	75-25-2	Bromoform	ND	µg/m ³	8	
LB3-20'	5/6/2016	EPA 8260B	56-23-5	Carbon Tetrachloride	ND	µg/m ³	8	
LB3-20'	5/6/2016	EPA 8260B	108-90-7	Chlorobenzene	ND	µg/m ³	8	
LB3-20'	5/6/2016	EPA 8260B	67-66-3	Chloroform	67	µg/m ³	8	
LB3-20'	5/6/2016	EPA 8260B	156-59-2	cis-1,2-Dichloroethene	ND	µg/m ³	8	
LB3-20'	5/6/2016	EPA 8260B	10061-01-5	cis-1,3-Dichloropropene	ND	µg/m ³	8	
LB3-20'	5/6/2016	EPA 8260B	124-48-1	Dibromochloromethane	ND	µg/m ³	8	
LB3-20'	5/6/2016	EPA 8260B	74-95-3	Dibromomethane	ND	µg/m ³	8	
LB3-20'	5/6/2016	EPA 8260B	75-71-8	Dichlorodifluoromethane	200	µg/m ³	8	
LB3-20'	5/6/2016	EPA 8260B	108-20-3	Di-isopropylether (DIPE)	ND	µg/m ³	40	
LB3-20'	5/6/2016	EPA 8260B	100-41-4	Ethylbenzene	35.7	µg/m ³	8	
LB3-20'	5/6/2016	EPA 8260B	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/m ³	40	
LB3-20'	5/6/2016	EPA 8260B	76-13-1	Freon 113	ND	µg/m ³	40	
LB3-20'	5/6/2016	EPA 8260B	87-68-3	Hexachlorobutadiene	ND	µg/m ³	8	
LB3-20'	5/6/2016	EPA 8260B	98-82-8	Isopropylbenzene	ND	µg/m ³	8	
LB3-20'	5/6/2016	EPA 8260B	75-09-2	Methylene Chloride	ND	µg/m ³	8	
LB3-20'	5/6/2016	EPA 8260B	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/m ³	40	
LB3-20'	5/6/2016	EPA 8260B	91-20-3	Naphthalene	ND	µg/m ³	8	
LB3-20'	5/6/2016	EPA 8260B	104-51-8	n-Butylbenzene	ND	µg/m ³	8	
LB3-20'	5/6/2016	EPA 8260B	109-66-0	n-Pentane	ND	µg/m ³	8	
LB3-20'	5/6/2016	EPA 8260B	103-65-1	n-Propylbenzene	ND	µg/m ³	8	
LB3-20'	5/6/2016	EPA 8260B	135-98-8	sec-Butylbenzene	ND	µg/m ³	8	
LB3-20'	5/6/2016	EPA 8260B	100-42-5	Styrene	ND	µg/m ³	8	
LB3-20'	5/6/2016	EPA 8260B	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/m ³	400	
LB3-20'	5/6/2016	EPA 8260B	994-05-8	Tert-amylmethylether (TAME)	ND	µg/m ³	40	
LB3-20'	5/6/2016	EPA 8260B	98-06-6	tert-Butylbenzene	ND	µg/m ³	8	
LB3-20'	5/6/2016	EPA 8260B	127-18-4	Tetrachloroethylene	10600000	µg/m ³	8000	D
LB3-20'	5/6/2016	EPA 8260B	108-88-3	Toluene	114	µg/m ³	8	
LB3-20'	5/6/2016	EPA 8260B	156-60-5	trans-1,2-Dichloroethene	ND	µg/m ³	8	
LB3-20'	5/6/2016	EPA 8260B	10061-02-6	trans-1,3-Dichloropropene	ND	µg/m ³	8	
LB3-20'	5/6/2016	EPA 8260B	79-01-6	Trichloroethylene	4930	µg/m ³	8	
LB3-20'	5/6/2016	EPA 8260B	75-69-4	Trichlorofluoromethane	ND	µg/m ³	8	
LB3-20'	5/6/2016	EPA 8260B	75-01-4	Vinyl Chloride	ND	µg/m ³	8	
LB3-20'	5/6/2016	EPA 8260B	1330-20-7	Xylenes	35.3	µg/m ³	8	
LB4-20.5'	5/6/2016	EPA 8260B	630-20-6	1,1,1,2-Tetrachloroethane	10.6	µg/m ³	8	
LB4-20.5'	5/6/2016	EPA 8260B	71-55-6	1,1,1-Trichloroethane	ND	µg/m ³	8	
LB4-20.5'	5/6/2016	EPA 8260B	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/m ³	8	
LB4-20.5'	5/6/2016	EPA 8260B	79-00-5	1,1,2-Trichloroethane	ND	µg/m ³	8	
LB4-20.5'	5/6/2016	EPA 8260B	75-34-3	1,1-Dichloroethane	ND	µg/m ³	8	
LB4-20.5'	5/6/2016	EPA 8260B	75-35-4	1,1-Dichloroethene	ND	µg/m ³	8	
LB4-20.5'	5/6/2016	EPA 8260B	563-58-6	1,1-Dichloropropene	ND	µg/m ³	8	
LB4-20.5'	5/6/2016	EPA 8260B	87-61-6	1,2,3-Trichlorobenzene	ND	µg/m ³	8	
LB4-20.5'	5/6/2016	EPA 8260B	96-18-4	1,2,3-Trichloropropane	ND	µg/m ³	8	
LB4-20.5'	5/6/2016	EPA 8260B	120-82-1	1,2,4-Trichlorobenzene	ND	µg/m ³	8	
LB4-20.5'	5/6/2016	EPA 8260B	95-63-6	1,2,4-Trimethylbenzene	10.6	µg/m ³	8	
LB4-20.5'	5/6/2016	EPA 8260B	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/m ³	8	
LB4-20.5'	5/6/2016	EPA 8260B	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/m ³	8	
LB4-20.5'	5/6/2016	EPA 8260B	95-50-1	1,2-Dichlorobenzene	ND	µg/m ³	8	
LB4-20.5'	5/6/2016	EPA 8260B	107-06-2	1,2-Dichloroethane	ND	µg/m ³	8	
LB4-20.5'	5/6/2016	EPA 8260B	78-87-5	1,2-Dichloropropane	ND	µg/m ³	8	
LB4-20.5'	5/6/2016	EPA 8260B	108-67-8	1,3,5-Trimethylbenzene	ND	µg/m ³	8	

Sample Name	Sample Date	Analytical Method	CAS Number	Analyte	Result	Unit	Detection Limit	Lab Qualifier
LB4-20.5'	5/6/2016	EPA 8260B	541-73-1	1,3-Dichlorobenzene	ND	µg/m ³	8	
LB4-20.5'	5/6/2016	EPA 8260B	142-28-9	1,3-Dichloropropane	ND	µg/m ³	8	
LB4-20.5'	5/6/2016	EPA 8260B	106-46-7	1,4-Dichlorobenzene	ND	µg/m ³	8	
LB4-20.5'	5/6/2016	EPA 8260B	594-20-7	2,2-Dichloropropane	ND	µg/m ³	8	
LB4-20.5'	5/6/2016	EPA 8260B	95-49-8	2-Chlorotoluene	ND	µg/m ³	8	
LB4-20.5'	5/6/2016	EPA 8260B	106-43-4	4-Chlorotoluene	ND	µg/m ³	8	
LB4-20.5'	5/6/2016	EPA 8260B	99-87-6	4-Isopropyltoluene	18.3	µg/m ³	8	
LB4-20.5'	5/6/2016	EPA 8260B	71-43-2	Benzene	25.2	µg/m ³	8	
LB4-20.5'	5/6/2016	EPA 8260B	108-86-1	Bromobenzene	ND	µg/m ³	8	
LB4-20.5'	5/6/2016	EPA 8260B	75-27-4	Bromodichloromethane	ND	µg/m ³	8	
LB4-20.5'	5/6/2016	EPA 8260B	75-25-2	Bromoform	ND	µg/m ³	8	
LB4-20.5'	5/6/2016	EPA 8260B	56-23-5	Carbon Tetrachloride	ND	µg/m ³	8	
LB4-20.5'	5/6/2016	EPA 8260B	108-90-7	Chlorobenzene	ND	µg/m ³	8	
LB4-20.5'	5/6/2016	EPA 8260B	67-66-3	Chloroform	ND	µg/m ³	8	
LB4-20.5'	5/6/2016	EPA 8260B	156-59-2	cis-1,2-Dichloroethene	ND	µg/m ³	8	
LB4-20.5'	5/6/2016	EPA 8260B	10061-01-5	cis-1,3-Dichloropropene	ND	µg/m ³	8	
LB4-20.5'	5/6/2016	EPA 8260B	124-48-1	Dibromochloromethane	ND	µg/m ³	8	
LB4-20.5'	5/6/2016	EPA 8260B	74-95-3	Dibromomethane	ND	µg/m ³	8	
LB4-20.5'	5/6/2016	EPA 8260B	75-71-8	Dichlorodifluoromethane	698	µg/m ³	8	
LB4-20.5'	5/6/2016	EPA 8260B	108-20-3	Di-isopropylether (DIPE)	ND	µg/m ³	40	
LB4-20.5'	5/6/2016	EPA 8260B	100-41-4	Ethylbenzene	32	µg/m ³	8	
LB4-20.5'	5/6/2016	EPA 8260B	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/m ³	40	
LB4-20.5'	5/6/2016	EPA 8260B	76-13-1	Freon 113	107	µg/m ³	40	
LB4-20.5'	5/6/2016	EPA 8260B	87-68-3	Hexachlorobutadiene	ND	µg/m ³	8	
LB4-20.5'	5/6/2016	EPA 8260B	98-82-8	Isopropylbenzene	ND	µg/m ³	8	
LB4-20.5'	5/6/2016	EPA 8260B	75-09-2	Methylene Chloride	ND	µg/m ³	8	
LB4-20.5'	5/6/2016	EPA 8260B	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/m ³	40	
LB4-20.5'	5/6/2016	EPA 8260B	91-20-3	Naphthalene	ND	µg/m ³	8	
LB4-20.5'	5/6/2016	EPA 8260B	104-51-8	n-Butylbenzene	ND	µg/m ³	8	
LB4-20.5'	5/6/2016	EPA 8260B	109-66-0	n-Pentane	ND	µg/m ³	8	
LB4-20.5'	5/6/2016	EPA 8260B	103-65-1	n-Propylbenzene	ND	µg/m ³	8	
LB4-20.5'	5/6/2016	EPA 8260B	135-98-8	sec-Butylbenzene	ND	µg/m ³	8	
LB4-20.5'	5/6/2016	EPA 8260B	100-42-5	Styrene	ND	µg/m ³	8	
LB4-20.5'	5/6/2016	EPA 8260B	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/m ³	400	
LB4-20.5'	5/6/2016	EPA 8260B	994-05-8	Tert-amylmethylether (TAME)	ND	µg/m ³	40	
LB4-20.5'	5/6/2016	EPA 8260B	98-06-6	tert-Butylbenzene	ND	µg/m ³	8	
LB4-20.5'	5/6/2016	EPA 8260B	127-18-4	Tetrachloroethylene	544000	µg/m ³	800	D
LB4-20.5'	5/6/2016	EPA 8260B	108-88-3	Toluene	175	µg/m ³	8	
LB4-20.5'	5/6/2016	EPA 8260B	156-60-5	trans-1,2-Dichloroethene	ND	µg/m ³	8	
LB4-20.5'	5/6/2016	EPA 8260B	10061-02-6	trans-1,3-Dichloropropene	ND	µg/m ³	8	
LB4-20.5'	5/6/2016	EPA 8260B	79-01-6	Trichloroethylene	648	µg/m ³	8	
LB4-20.5'	5/6/2016	EPA 8260B	75-69-4	Trichlorofluoromethane	ND	µg/m ³	8	
LB4-20.5'	5/6/2016	EPA 8260B	75-01-4	Vinyl Chloride	ND	µg/m ³	8	
LB4-20.5'	5/6/2016	EPA 8260B	1330-20-7	Xylenes	156	µg/m ³	8	
LB5-14.5'	5/6/2016	EPA 8260B	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/m ³	8	
LB5-14.5'	5/6/2016	EPA 8260B	71-55-6	1,1,1-Trichloroethane	ND	µg/m ³	8	
LB5-14.5'	5/6/2016	EPA 8260B	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/m ³	8	
LB5-14.5'	5/6/2016	EPA 8260B	79-00-5	1,1,2-Trichloroethane	ND	µg/m ³	8	
LB5-14.5'	5/6/2016	EPA 8260B	75-34-3	1,1-Dichloroethane	ND	µg/m ³	8	
LB5-14.5'	5/6/2016	EPA 8260B	75-35-4	1,1-Dichloroethene	ND	µg/m ³	8	
LB5-14.5'	5/6/2016	EPA 8260B	563-58-6	1,1-Dichloropropene	ND	µg/m ³	8	
LB5-14.5'	5/6/2016	EPA 8260B	87-61-6	1,2,3-Trichlorobenzene	ND	µg/m ³	8	
LB5-14.5'	5/6/2016	EPA 8260B	96-18-4	1,2,3-Trichloropropane	ND	µg/m ³	8	

Sample Name	Sample Date	Analytical Method	CAS Number	Analyte	Result	Unit	Detection Limit	Lab Qualifier
LB5-14.5'	5/6/2016	EPA 8260B	120-82-1	1,2,4-Trichlorobenzene	ND	µg/m ³	8	
LB5-14.5'	5/6/2016	EPA 8260B	95-63-6	1,2,4-Trimethylbenzene	ND	µg/m ³	8	
LB5-14.5'	5/6/2016	EPA 8260B	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/m ³	8	
LB5-14.5'	5/6/2016	EPA 8260B	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/m ³	8	
LB5-14.5'	5/6/2016	EPA 8260B	95-50-1	1,2-Dichlorobenzene	ND	µg/m ³	8	
LB5-14.5'	5/6/2016	EPA 8260B	107-06-2	1,2-Dichloroethane	ND	µg/m ³	8	
LB5-14.5'	5/6/2016	EPA 8260B	78-87-5	1,2-Dichloropropane	ND	µg/m ³	8	
LB5-14.5'	5/6/2016	EPA 8260B	108-67-8	1,3,5-Trimethylbenzene	ND	µg/m ³	8	
LB5-14.5'	5/6/2016	EPA 8260B	541-73-1	1,3-Dichlorobenzene	ND	µg/m ³	8	
LB5-14.5'	5/6/2016	EPA 8260B	142-28-9	1,3-Dichloropropane	ND	µg/m ³	8	
LB5-14.5'	5/6/2016	EPA 8260B	106-46-7	1,4-Dichlorobenzene	ND	µg/m ³	8	
LB5-14.5'	5/6/2016	EPA 8260B	594-20-7	2,2-Dichloropropane	ND	µg/m ³	8	
LB5-14.5'	5/6/2016	EPA 8260B	95-49-8	2-Chlorotoluene	ND	µg/m ³	8	
LB5-14.5'	5/6/2016	EPA 8260B	106-43-4	4-Chlorotoluene	ND	µg/m ³	8	
LB5-14.5'	5/6/2016	EPA 8260B	99-87-6	4-Isopropyltoluene	ND	µg/m ³	8	
LB5-14.5'	5/6/2016	EPA 8260B	71-43-2	Benzene	ND	µg/m ³	8	
LB5-14.5'	5/6/2016	EPA 8260B	108-86-1	Bromobenzene	ND	µg/m ³	8	
LB5-14.5'	5/6/2016	EPA 8260B	75-27-4	Bromodichloromethane	ND	µg/m ³	8	
LB5-14.5'	5/6/2016	EPA 8260B	75-25-2	Bromoform	ND	µg/m ³	8	
LB5-14.5'	5/6/2016	EPA 8260B	56-23-5	Carbon Tetrachloride	ND	µg/m ³	8	
LB5-14.5'	5/6/2016	EPA 8260B	108-90-7	Chlorobenzene	ND	µg/m ³	8	
LB5-14.5'	5/6/2016	EPA 8260B	67-66-3	Chloroform	ND	µg/m ³	8	
LB5-14.5'	5/6/2016	EPA 8260B	156-59-2	cis-1,2-Dichloroethene	ND	µg/m ³	8	
LB5-14.5'	5/6/2016	EPA 8260B	10061-01-5	cis-1,3-Dichloropropene	ND	µg/m ³	8	
LB5-14.5'	5/6/2016	EPA 8260B	124-48-1	Dibromochloromethane	ND	µg/m ³	8	
LB5-14.5'	5/6/2016	EPA 8260B	74-95-3	Dibromomethane	ND	µg/m ³	8	
LB5-14.5'	5/6/2016	EPA 8260B	75-71-8	Dichlorodifluoromethane	754	µg/m ³	8	
LB5-14.5'	5/6/2016	EPA 8260B	108-20-3	Di-isopropylether (DIPE)	ND	µg/m ³	40	
LB5-14.5'	5/6/2016	EPA 8260B	100-41-4	Ethylbenzene	ND	µg/m ³	8	
LB5-14.5'	5/6/2016	EPA 8260B	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/m ³	40	
LB5-14.5'	5/6/2016	EPA 8260B	76-13-1	Freon 113	141	µg/m ³	40	
LB5-14.5'	5/6/2016	EPA 8260B	87-68-3	Hexachlorobutadiene	ND	µg/m ³	8	
LB5-14.5'	5/6/2016	EPA 8260B	98-82-8	Isopropylbenzene	ND	µg/m ³	8	
LB5-14.5'	5/6/2016	EPA 8260B	75-09-2	Methylene Chloride	ND	µg/m ³	8	
LB5-14.5'	5/6/2016	EPA 8260B	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/m ³	40	
LB5-14.5'	5/6/2016	EPA 8260B	91-20-3	Naphthalene	ND	µg/m ³	8	
LB5-14.5'	5/6/2016	EPA 8260B	104-51-8	n-Butylbenzene	ND	µg/m ³	8	
LB5-14.5'	5/6/2016	EPA 8260B	109-66-0	n-Pentane	ND	µg/m ³	8	
LB5-14.5'	5/6/2016	EPA 8260B	103-65-1	n-Propylbenzene	ND	µg/m ³	8	
LB5-14.5'	5/6/2016	EPA 8260B	135-98-8	sec-Butylbenzene	ND	µg/m ³	8	
LB5-14.5'	5/6/2016	EPA 8260B	100-42-5	Styrene	ND	µg/m ³	8	
LB5-14.5'	5/6/2016	EPA 8260B	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/m ³	400	
LB5-14.5'	5/6/2016	EPA 8260B	994-05-8	Tert-amylmethylether (TAME)	ND	µg/m ³	40	
LB5-14.5'	5/6/2016	EPA 8260B	98-06-6	tert-Butylbenzene	ND	µg/m ³	8	
LB5-14.5'	5/6/2016	EPA 8260B	127-18-4	Tetrachloroethylene	11800	µg/m ³	8	
LB5-14.5'	5/6/2016	EPA 8260B	108-88-3	Toluene	54.7	µg/m ³	8	
LB5-14.5'	5/6/2016	EPA 8260B	156-60-5	trans-1,2-Dichloroethene	ND	µg/m ³	8	
LB5-14.5'	5/6/2016	EPA 8260B	10061-02-6	trans-1,3-Dichloropropene	ND	µg/m ³	8	
LB5-14.5'	5/6/2016	EPA 8260B	79-01-6	Trichloroethylene	881	µg/m ³	8	
LB5-14.5'	5/6/2016	EPA 8260B	75-69-4	Trichlorofluoromethane	ND	µg/m ³	8	
LB5-14.5'	5/6/2016	EPA 8260B	75-01-4	Vinyl Chloride	ND	µg/m ³	8	
LB5-14.5'	5/6/2016	EPA 8260B	1330-20-7	Xylenes	21.4	µg/m ³	8	
LB5-20.5'	5/6/2016	EPA 8260B	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/m ³	8	

Sample Name	Sample Date	Analytical Method	CAS Number	Analyte	Result	Unit	Detection Limit	Lab Qualifier
LB5-20.5'	5/6/2016	EPA 8260B	71-55-6	1,1,1-Trichloroethane	ND	µg/m ³	8	
LB5-20.5'	5/6/2016	EPA 8260B	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/m ³	8	
LB5-20.5'	5/6/2016	EPA 8260B	79-00-5	1,1,2-Trichloroethane	ND	µg/m ³	8	
LB5-20.5'	5/6/2016	EPA 8260B	75-34-3	1,1-Dichloroethane	ND	µg/m ³	8	
LB5-20.5'	5/6/2016	EPA 8260B	75-35-4	1,1-Dichloroethene	ND	µg/m ³	8	
LB5-20.5'	5/6/2016	EPA 8260B	563-58-6	1,1-Dichloropropene	ND	µg/m ³	8	
LB5-20.5'	5/6/2016	EPA 8260B	87-61-6	1,2,3-Trichlorobenzene	ND	µg/m ³	8	
LB5-20.5'	5/6/2016	EPA 8260B	96-18-4	1,2,3-Trichloropropane	ND	µg/m ³	8	
LB5-20.5'	5/6/2016	EPA 8260B	120-82-1	1,2,4-Trichlorobenzene	ND	µg/m ³	8	
LB5-20.5'	5/6/2016	EPA 8260B	95-63-6	1,2,4-Trimethylbenzene	12.3	µg/m ³	8	
LB5-20.5'	5/6/2016	EPA 8260B	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/m ³	8	
LB5-20.5'	5/6/2016	EPA 8260B	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/m ³	8	
LB5-20.5'	5/6/2016	EPA 8260B	95-50-1	1,2-Dichlorobenzene	ND	µg/m ³	8	
LB5-20.5'	5/6/2016	EPA 8260B	107-06-2	1,2-Dichloroethane	ND	µg/m ³	8	
LB5-20.5'	5/6/2016	EPA 8260B	78-87-5	1,2-Dichloropropane	ND	µg/m ³	8	
LB5-20.5'	5/6/2016	EPA 8260B	108-67-8	1,3,5-Trimethylbenzene	ND	µg/m ³	8	
LB5-20.5'	5/6/2016	EPA 8260B	541-73-1	1,3-Dichlorobenzene	ND	µg/m ³	8	
LB5-20.5'	5/6/2016	EPA 8260B	142-28-9	1,3-Dichloropropane	ND	µg/m ³	8	
LB5-20.5'	5/6/2016	EPA 8260B	106-46-7	1,4-Dichlorobenzene	ND	µg/m ³	8	
LB5-20.5'	5/6/2016	EPA 8260B	594-20-7	2,2-Dichloropropane	ND	µg/m ³	8	
LB5-20.5'	5/6/2016	EPA 8260B	95-49-8	2-Chlorotoluene	ND	µg/m ³	8	
LB5-20.5'	5/6/2016	EPA 8260B	106-43-4	4-Chlorotoluene	ND	µg/m ³	8	
LB5-20.5'	5/6/2016	EPA 8260B	99-87-6	4-Isopropyltoluene	16.9	µg/m ³	8	
LB5-20.5'	5/6/2016	EPA 8260B	71-43-2	Benzene	27.4	µg/m ³	8	
LB5-20.5'	5/6/2016	EPA 8260B	108-86-1	Bromobenzene	ND	µg/m ³	8	
LB5-20.5'	5/6/2016	EPA 8260B	75-27-4	Bromodichloromethane	ND	µg/m ³	8	
LB5-20.5'	5/6/2016	EPA 8260B	75-25-2	Bromoform	ND	µg/m ³	8	
LB5-20.5'	5/6/2016	EPA 8260B	56-23-5	Carbon Tetrachloride	ND	µg/m ³	8	
LB5-20.5'	5/6/2016	EPA 8260B	108-90-7	Chlorobenzene	ND	µg/m ³	8	
LB5-20.5'	5/6/2016	EPA 8260B	67-66-3	Chloroform	14.2	µg/m ³	8	
LB5-20.5'	5/6/2016	EPA 8260B	156-59-2	cis-1,2-Dichloroethene	ND	µg/m ³	8	
LB5-20.5'	5/6/2016	EPA 8260B	10061-01-5	cis-1,3-Dichloropropene	ND	µg/m ³	8	
LB5-20.5'	5/6/2016	EPA 8260B	124-48-1	Dibromochloromethane	ND	µg/m ³	8	
LB5-20.5'	5/6/2016	EPA 8260B	74-95-3	Dibromomethane	ND	µg/m ³	8	
LB5-20.5'	5/6/2016	EPA 8260B	75-71-8	Dichlorodifluoromethane	927	µg/m ³	8	
LB5-20.5'	5/6/2016	EPA 8260B	108-20-3	Di-isopropylether (DIPE)	ND	µg/m ³	40	
LB5-20.5'	5/6/2016	EPA 8260B	100-41-4	Ethylbenzene	23.2	µg/m ³	8	
LB5-20.5'	5/6/2016	EPA 8260B	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/m ³	40	
LB5-20.5'	5/6/2016	EPA 8260B	76-13-1	Freon 113	186	µg/m ³	40	
LB5-20.5'	5/6/2016	EPA 8260B	87-68-3	Hexachlorobutadiene	ND	µg/m ³	8	
LB5-20.5'	5/6/2016	EPA 8260B	98-82-8	Isopropylbenzene	ND	µg/m ³	8	
LB5-20.5'	5/6/2016	EPA 8260B	75-09-2	Methylene Chloride	ND	µg/m ³	8	
LB5-20.5'	5/6/2016	EPA 8260B	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/m ³	40	
LB5-20.5'	5/6/2016	EPA 8260B	91-20-3	Naphthalene	ND	µg/m ³	8	
LB5-20.5'	5/6/2016	EPA 8260B	104-51-8	n-Butylbenzene	ND	µg/m ³	8	
LB5-20.5'	5/6/2016	EPA 8260B	109-66-0	n-Pentane	ND	µg/m ³	8	
LB5-20.5'	5/6/2016	EPA 8260B	103-65-1	n-Propylbenzene	ND	µg/m ³	8	
LB5-20.5'	5/6/2016	EPA 8260B	135-98-8	sec-Butylbenzene	ND	µg/m ³	8	
LB5-20.5'	5/6/2016	EPA 8260B	100-42-5	Styrene	ND	µg/m ³	8	
LB5-20.5'	5/6/2016	EPA 8260B	75-65-0	Tert-Butylalcohol (TBA)	ND	µg/m ³	400	
LB5-20.5'	5/6/2016	EPA 8260B	994-05-8	Tert-amylmethylether (TAME)	ND	µg/m ³	40	
LB5-20.5'	5/6/2016	EPA 8260B	98-06-6	tert-Butylbenzene	ND	µg/m ³	8	
LB5-20.5'	5/6/2016	EPA 8260B	127-18-4	Tetrachloroethylene	12400	µg/m ³	8	

Sample Name	Sample Date	Analytical Method	CAS Number	Analyte	Result	Unit	Detection Limit	Lab Qualifier
LB5-20.5'	5/6/2016	EPA 8260B	108-88-3	Toluene	169	µg/m ³	8	
LB5-20.5'	5/6/2016	EPA 8260B	156-60-5	trans-1,2-Dichloroethene	ND	µg/m ³	8	
LB5-20.5'	5/6/2016	EPA 8260B	10061-02-6	trans-1,3-Dichloropropene	ND	µg/m ³	8	
LB5-20.5'	5/6/2016	EPA 8260B	79-01-6	Trichloroethylene	1500	µg/m ³	8	
LB5-20.5'	5/6/2016	EPA 8260B	75-69-4	Trichlorofluoromethane	ND	µg/m ³	8	
LB5-20.5'	5/6/2016	EPA 8260B	75-01-4	Vinyl Chloride	ND	µg/m ³	8	
LB5-20.5'	5/6/2016	EPA 8260B	1330-20-7	Xylenes	115	µg/m ³	8	
LB6-17'	5/6/2016	EPA 8260B	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/m ³	8	
LB6-17'	5/6/2016	EPA 8260B	71-55-6	1,1,1-Trichloroethane	17.4	µg/m ³	8	
LB6-17'	5/6/2016	EPA 8260B	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/m ³	8	
LB6-17'	5/6/2016	EPA 8260B	79-00-5	1,1,2-Trichloroethane	ND	µg/m ³	8	
LB6-17'	5/6/2016	EPA 8260B	75-34-3	1,1-Dichloroethane	ND	µg/m ³	8	
LB6-17'	5/6/2016	EPA 8260B	75-35-4	1,1-Dichloroethene	67.6	µg/m ³	8	
LB6-17'	5/6/2016	EPA 8260B	563-58-6	1,1-Dichloropropene	ND	µg/m ³	8	
LB6-17'	5/6/2016	EPA 8260B	87-61-6	1,2,3-Trichlorobenzene	ND	µg/m ³	8	
LB6-17'	5/6/2016	EPA 8260B	96-18-4	1,2,3-Trichloropropane	ND	µg/m ³	8	
LB6-17'	5/6/2016	EPA 8260B	120-82-1	1,2,4-Trichlorobenzene	ND	µg/m ³	8	
LB6-17'	5/6/2016	EPA 8260B	95-63-6	1,2,4-Trimethylbenzene	ND	µg/m ³	8	
LB6-17'	5/6/2016	EPA 8260B	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/m ³	8	
LB6-17'	5/6/2016	EPA 8260B	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/m ³	8	
LB6-17'	5/6/2016	EPA 8260B	95-50-1	1,2-Dichlorobenzene	ND	µg/m ³	8	
LB6-17'	5/6/2016	EPA 8260B	107-06-2	1,2-Dichloroethane	ND	µg/m ³	8	
LB6-17'	5/6/2016	EPA 8260B	78-87-5	1,2-Dichloropropane	ND	µg/m ³	8	
LB6-17'	5/6/2016	EPA 8260B	108-67-8	1,3,5-Trimethylbenzene	ND	µg/m ³	8	
LB6-17'	5/6/2016	EPA 8260B	541-73-1	1,3-Dichlorobenzene	ND	µg/m ³	8	
LB6-17'	5/6/2016	EPA 8260B	142-28-9	1,3-Dichloropropane	ND	µg/m ³	8	
LB6-17'	5/6/2016	EPA 8260B	106-46-7	1,4-Dichlorobenzene	ND	µg/m ³	8	
LB6-17'	5/6/2016	EPA 8260B	594-20-7	2,2-Dichloropropane	ND	µg/m ³	8	
LB6-17'	5/6/2016	EPA 8260B	95-49-8	2-Chlorotoluene	ND	µg/m ³	8	
LB6-17'	5/6/2016	EPA 8260B	106-43-4	4-Chlorotoluene	ND	µg/m ³	8	
LB6-17'	5/6/2016	EPA 8260B	99-87-6	4-Isopropyltoluene	ND	µg/m ³	8	
LB6-17'	5/6/2016	EPA 8260B	71-43-2	Benzene	ND	µg/m ³	8	
LB6-17'	5/6/2016	EPA 8260B	108-86-1	Bromobenzene	ND	µg/m ³	8	
LB6-17'	5/6/2016	EPA 8260B	75-27-4	Bromodichloromethane	ND	µg/m ³	8	
LB6-17'	5/6/2016	EPA 8260B	75-25-2	Bromoform	ND	µg/m ³	8	
LB6-17'	5/6/2016	EPA 8260B	56-23-5	Carbon Tetrachloride	ND	µg/m ³	8	
LB6-17'	5/6/2016	EPA 8260B	108-90-7	Chlorobenzene	ND	µg/m ³	8	
LB6-17'	5/6/2016	EPA 8260B	67-66-3	Chloroform	ND	µg/m ³	8	
LB6-17'	5/6/2016	EPA 8260B	156-59-2	cis-1,2-Dichloroethene	ND	µg/m ³	8	
LB6-17'	5/6/2016	EPA 8260B	10061-01-5	cis-1,3-Dichloropropene	ND	µg/m ³	8	
LB6-17'	5/6/2016	EPA 8260B	124-48-1	Dibromochloromethane	ND	µg/m ³	8	
LB6-17'	5/6/2016	EPA 8260B	74-95-3	Dibromomethane	ND	µg/m ³	8	
LB6-17'	5/6/2016	EPA 8260B	75-71-8	Dichlorodifluoromethane	ND	µg/m ³	8	
LB6-17'	5/6/2016	EPA 8260B	108-20-3	Di-isopropylether (DIPE)	ND	µg/m ³	40	
LB6-17'	5/6/2016	EPA 8260B	100-41-4	Ethylbenzene	ND	µg/m ³	8	
LB6-17'	5/6/2016	EPA 8260B	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/m ³	40	
LB6-17'	5/6/2016	EPA 8260B	76-13-1	Freon 113	ND	µg/m ³	40	
LB6-17'	5/6/2016	EPA 8260B	87-68-3	Hexachlorobutadiene	ND	µg/m ³	8	
LB6-17'	5/6/2016	EPA 8260B	98-82-8	Isopropylbenzene	ND	µg/m ³	8	
LB6-17'	5/6/2016	EPA 8260B	75-09-2	Methylene Chloride	ND	µg/m ³	8	
LB6-17'	5/6/2016	EPA 8260B	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/m ³	40	
LB6-17'	5/6/2016	EPA 8260B	91-20-3	Naphthalene	ND	µg/m ³	8	
LB6-17'	5/6/2016	EPA 8260B	104-51-8	n-Butylbenzene	ND	µg/m ³	8	

Sample Name	Sample Date	Analytical Method	CAS Number	Analyte	Result	Unit	Detection Limit	Lab Qualifier
LB6-17'	5/6/2016	EPA 8260B	109-66-0	n-Pentane	ND	µg/m ³	8	
LB6-17'	5/6/2016	EPA 8260B	103-65-1	n-Propylbenzene	ND	µg/m ³	8	
LB6-17'	5/6/2016	EPA 8260B	135-98-8	sec-Butylbenzene	ND	µg/m ³	8	
LB6-17'	5/6/2016	EPA 8260B	100-42-5	Styrene	ND	µg/m ³	8	
LB6-17'	5/6/2016	EPA 8260B	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/m ³	400	
LB6-17'	5/6/2016	EPA 8260B	994-05-8	Tert-amylmethylether (TAME)	ND	µg/m ³	40	
LB6-17'	5/6/2016	EPA 8260B	98-06-6	tert-Butylbenzene	ND	µg/m ³	8	
LB6-17'	5/6/2016	EPA 8260B	127-18-4	Tetrachloroethylene	1590	µg/m ³	8	
LB6-17'	5/6/2016	EPA 8260B	108-88-3	Toluene	ND	µg/m ³	8	
LB6-17'	5/6/2016	EPA 8260B	156-60-5	trans-1,2-Dichloroethene	ND	µg/m ³	8	
LB6-17'	5/6/2016	EPA 8260B	10061-02-6	trans-1,3-Dichloropropene	ND	µg/m ³	8	
LB6-17'	5/6/2016	EPA 8260B	79-01-6	Trichloroethylene	115	µg/m ³	8	
LB6-17'	5/6/2016	EPA 8260B	75-69-4	Trichlorofluoromethane	ND	µg/m ³	8	
LB6-17'	5/6/2016	EPA 8260B	75-01-4	Vinyl Chloride	ND	µg/m ³	8	
LB6-17'	5/6/2016	EPA 8260B	1330-20-7	Xylenes	ND	µg/m ³	8	
LB7-17'	5/6/2016	EPA 8260B	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/m ³	8	
LB7-17'	5/6/2016	EPA 8260B	71-55-6	1,1,1-Trichloroethane	85.6	µg/m ³	8	
LB7-17'	5/6/2016	EPA 8260B	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/m ³	8	
LB7-17'	5/6/2016	EPA 8260B	79-00-5	1,1,2-Trichloroethane	ND	µg/m ³	8	
LB7-17'	5/6/2016	EPA 8260B	75-34-3	1,1-Dichloroethane	ND	µg/m ³	8	
LB7-17'	5/6/2016	EPA 8260B	75-35-4	1,1-Dichloroethene	67.3	µg/m ³	8	
LB7-17'	5/6/2016	EPA 8260B	563-58-6	1,1-Dichloropropene	ND	µg/m ³	8	
LB7-17'	5/6/2016	EPA 8260B	87-61-6	1,2,3-Trichlorobenzene	ND	µg/m ³	8	
LB7-17'	5/6/2016	EPA 8260B	96-18-4	1,2,3-Trichloropropane	ND	µg/m ³	8	
LB7-17'	5/6/2016	EPA 8260B	120-82-1	1,2,4-Trichlorobenzene	ND	µg/m ³	8	
LB7-17'	5/6/2016	EPA 8260B	95-63-6	1,2,4-Trimethylbenzene	ND	µg/m ³	8	
LB7-17'	5/6/2016	EPA 8260B	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/m ³	8	
LB7-17'	5/6/2016	EPA 8260B	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/m ³	8	
LB7-17'	5/6/2016	EPA 8260B	95-50-1	1,2-Dichlorobenzene	ND	µg/m ³	8	
LB7-17'	5/6/2016	EPA 8260B	107-06-2	1,2-Dichloroethane	ND	µg/m ³	8	
LB7-17'	5/6/2016	EPA 8260B	78-87-5	1,2-Dichloropropane	ND	µg/m ³	8	
LB7-17'	5/6/2016	EPA 8260B	108-67-8	1,3,5-Trimethylbenzene	ND	µg/m ³	8	
LB7-17'	5/6/2016	EPA 8260B	541-73-1	1,3-Dichlorobenzene	ND	µg/m ³	8	
LB7-17'	5/6/2016	EPA 8260B	142-28-9	1,3-Dichloropropane	ND	µg/m ³	8	
LB7-17'	5/6/2016	EPA 8260B	106-46-7	1,4-Dichlorobenzene	ND	µg/m ³	8	
LB7-17'	5/6/2016	EPA 8260B	594-20-7	2,2-Dichloropropane	ND	µg/m ³	8	
LB7-17'	5/6/2016	EPA 8260B	95-49-8	2-Chlorotoluene	ND	µg/m ³	8	
LB7-17'	5/6/2016	EPA 8260B	106-43-4	4-Chlorotoluene	ND	µg/m ³	8	
LB7-17'	5/6/2016	EPA 8260B	99-87-6	4-Isopropyltoluene	ND	µg/m ³	8	
LB7-17'	5/6/2016	EPA 8260B	71-43-2	Benzene	ND	µg/m ³	8	
LB7-17'	5/6/2016	EPA 8260B	108-86-1	Bromobenzene	ND	µg/m ³	8	
LB7-17'	5/6/2016	EPA 8260B	75-27-4	Bromodichloromethane	ND	µg/m ³	8	
LB7-17'	5/6/2016	EPA 8260B	75-25-2	Bromoform	ND	µg/m ³	8	
LB7-17'	5/6/2016	EPA 8260B	56-23-5	Carbon Tetrachloride	ND	µg/m ³	8	
LB7-17'	5/6/2016	EPA 8260B	108-90-7	Chlorobenzene	ND	µg/m ³	8	
LB7-17'	5/6/2016	EPA 8260B	67-66-3	Chloroform	ND	µg/m ³	8	
LB7-17'	5/6/2016	EPA 8260B	156-59-2	cis-1,2-Dichloroethene	ND	µg/m ³	8	
LB7-17'	5/6/2016	EPA 8260B	10061-01-5	cis-1,3-Dichloropropene	ND	µg/m ³	8	
LB7-17'	5/6/2016	EPA 8260B	124-48-1	Dibromochloromethane	ND	µg/m ³	8	
LB7-17'	5/6/2016	EPA 8260B	74-95-3	Dibromomethane	ND	µg/m ³	8	
LB7-17'	5/6/2016	EPA 8260B	75-71-8	Dichlorodifluoromethane	185	µg/m ³	8	
LB7-17'	5/6/2016	EPA 8260B	108-20-3	Di-isopropylether (DIPE)	ND	µg/m ³	40	
LB7-17'	5/6/2016	EPA 8260B	100-41-4	Ethylbenzene	ND	µg/m ³	8	

Sample Name	Sample Date	Analytical Method	CAS Number	Analyte	Result	Unit	Detection Limit	Lab Qualifier
LB7-17'	5/6/2016	EPA 8260B	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/m ³	40	
LB7-17'	5/6/2016	EPA 8260B	76-13-1	Freon 113	53.2	µg/m ³	40	
LB7-17'	5/6/2016	EPA 8260B	87-68-3	Hexachlorobutadiene	ND	µg/m ³	8	
LB7-17'	5/6/2016	EPA 8260B	98-82-8	Isopropylbenzene	ND	µg/m ³	8	
LB7-17'	5/6/2016	EPA 8260B	75-09-2	Methylene Chloride	ND	µg/m ³	8	
LB7-17'	5/6/2016	EPA 8260B	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/m ³	40	
LB7-17'	5/6/2016	EPA 8260B	91-20-3	Naphthalene	ND	µg/m ³	8	
LB7-17'	5/6/2016	EPA 8260B	104-51-8	n-Butylbenzene	ND	µg/m ³	8	
LB7-17'	5/6/2016	EPA 8260B	109-66-0	n-Pentane	ND	µg/m ³	8	
LB7-17'	5/6/2016	EPA 8260B	103-65-1	n-Propylbenzene	ND	µg/m ³	8	
LB7-17'	5/6/2016	EPA 8260B	135-98-8	sec-Butylbenzene	ND	µg/m ³	8	
LB7-17'	5/6/2016	EPA 8260B	100-42-5	Styrene	ND	µg/m ³	8	
LB7-17'	5/6/2016	EPA 8260B	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/m ³	400	
LB7-17'	5/6/2016	EPA 8260B	994-05-8	Tert-amylmethylether (TAME)	ND	µg/m ³	40	
LB7-17'	5/6/2016	EPA 8260B	98-06-6	tert-Butylbenzene	ND	µg/m ³	8	
LB7-17'	5/6/2016	EPA 8260B	127-18-4	Tetrachloroethylene	3280	µg/m ³	8	
LB7-17'	5/6/2016	EPA 8260B	108-88-3	Toluene	ND	µg/m ³	8	
LB7-17'	5/6/2016	EPA 8260B	156-60-5	trans-1,2-Dichloroethene	ND	µg/m ³	8	
LB7-17'	5/6/2016	EPA 8260B	10061-02-6	trans-1,3-Dichloropropene	ND	µg/m ³	8	
LB7-17'	5/6/2016	EPA 8260B	79-01-6	Trichloroethylene	42	µg/m ³	8	
LB7-17'	5/6/2016	EPA 8260B	75-69-4	Trichlorofluoromethane	ND	µg/m ³	8	
LB7-17'	5/6/2016	EPA 8260B	75-01-4	Vinyl Chloride	ND	µg/m ³	8	
LB7-17'	5/6/2016	EPA 8260B	1330-20-7	Xylenes	ND	µg/m ³	8	
LB8-17'	5/6/2016	EPA 8260B	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/m ³	8	
LB8-17'	5/6/2016	EPA 8260B	71-55-6	1,1,1-Trichloroethane	1630	µg/m ³	8	
LB8-17'	5/6/2016	EPA 8260B	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/m ³	8	
LB8-17'	5/6/2016	EPA 8260B	79-00-5	1,1,2-Trichloroethane	ND	µg/m ³	8	
LB8-17'	5/6/2016	EPA 8260B	75-34-3	1,1-Dichloroethane	ND	µg/m ³	8	
LB8-17'	5/6/2016	EPA 8260B	75-35-4	1,1-Dichloroethene	937	µg/m ³	8	
LB8-17'	5/6/2016	EPA 8260B	563-58-6	1,1-Dichloropropene	ND	µg/m ³	8	
LB8-17'	5/6/2016	EPA 8260B	87-61-6	1,2,3-Trichlorobenzene	ND	µg/m ³	8	
LB8-17'	5/6/2016	EPA 8260B	96-18-4	1,2,3-Trichloropropane	ND	µg/m ³	8	
LB8-17'	5/6/2016	EPA 8260B	120-82-1	1,2,4-Trichlorobenzene	ND	µg/m ³	8	
LB8-17'	5/6/2016	EPA 8260B	95-63-6	1,2,4-Trimethylbenzene	ND	µg/m ³	8	
LB8-17'	5/6/2016	EPA 8260B	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/m ³	8	
LB8-17'	5/6/2016	EPA 8260B	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/m ³	8	
LB8-17'	5/6/2016	EPA 8260B	95-50-1	1,2-Dichlorobenzene	ND	µg/m ³	8	
LB8-17'	5/6/2016	EPA 8260B	107-06-2	1,2-Dichloroethane	ND	µg/m ³	8	
LB8-17'	5/6/2016	EPA 8260B	78-87-5	1,2-Dichloropropane	ND	µg/m ³	8	
LB8-17'	5/6/2016	EPA 8260B	108-67-8	1,3,5-Trimethylbenzene	ND	µg/m ³	8	
LB8-17'	5/6/2016	EPA 8260B	541-73-1	1,3-Dichlorobenzene	ND	µg/m ³	8	
LB8-17'	5/6/2016	EPA 8260B	142-28-9	1,3-Dichloropropane	ND	µg/m ³	8	
LB8-17'	5/6/2016	EPA 8260B	106-46-7	1,4-Dichlorobenzene	ND	µg/m ³	8	
LB8-17'	5/6/2016	EPA 8260B	594-20-7	2,2-Dichloropropane	ND	µg/m ³	8	
LB8-17'	5/6/2016	EPA 8260B	95-49-8	2-Chlorotoluene	ND	µg/m ³	8	
LB8-17'	5/6/2016	EPA 8260B	106-43-4	4-Chlorotoluene	ND	µg/m ³	8	
LB8-17'	5/6/2016	EPA 8260B	99-87-6	4-Isopropyltoluene	8.6	µg/m ³	8	
LB8-17'	5/6/2016	EPA 8260B	71-43-2	Benzene	ND	µg/m ³	8	
LB8-17'	5/6/2016	EPA 8260B	108-86-1	Bromobenzene	ND	µg/m ³	8	
LB8-17'	5/6/2016	EPA 8260B	75-27-4	Bromodichloromethane	ND	µg/m ³	8	
LB8-17'	5/6/2016	EPA 8260B	75-25-2	Bromoform	ND	µg/m ³	8	
LB8-17'	5/6/2016	EPA 8260B	56-23-5	Carbon Tetrachloride	ND	µg/m ³	8	
LB8-17'	5/6/2016	EPA 8260B	108-90-7	Chlorobenzene	ND	µg/m ³	8	

Sample Name	Sample Date	Analytical Method	CAS Number	Analyte	Result	Unit	Detection Limit	Lab Qualifier
LB8-17'	5/6/2016	EPA 8260B	67-66-3	Chloroform	ND	µg/m ³	8	
LB8-17'	5/6/2016	EPA 8260B	156-59-2	cis-1,2-Dichloroethene	ND	µg/m ³	8	
LB8-17'	5/6/2016	EPA 8260B	10061-01-5	cis-1,3-Dichloropropene	ND	µg/m ³	8	
LB8-17'	5/6/2016	EPA 8260B	124-48-1	Dibromochloromethane	ND	µg/m ³	8	
LB8-17'	5/6/2016	EPA 8260B	74-95-3	Dibromomethane	ND	µg/m ³	8	
LB8-17'	5/6/2016	EPA 8260B	75-71-8	Dichlorodifluoromethane	ND	µg/m ³	8	
LB8-17'	5/6/2016	EPA 8260B	108-20-3	Di-isopropylether (DIPE)	ND	µg/m ³	40	
LB8-17'	5/6/2016	EPA 8260B	100-41-4	Ethylbenzene	17.8	µg/m ³	8	
LB8-17'	5/6/2016	EPA 8260B	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/m ³	40	
LB8-17'	5/6/2016	EPA 8260B	76-13-1	Freon 113	ND	µg/m ³	40	
LB8-17'	5/6/2016	EPA 8260B	87-68-3	Hexachlorobutadiene	ND	µg/m ³	8	
LB8-17'	5/6/2016	EPA 8260B	98-82-8	Isopropylbenzene	ND	µg/m ³	8	
LB8-17'	5/6/2016	EPA 8260B	75-09-2	Methylene Chloride	ND	µg/m ³	8	
LB8-17'	5/6/2016	EPA 8260B	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/m ³	40	
LB8-17'	5/6/2016	EPA 8260B	91-20-3	Naphthalene	ND	µg/m ³	8	
LB8-17'	5/6/2016	EPA 8260B	104-51-8	n-Butylbenzene	ND	µg/m ³	8	
LB8-17'	5/6/2016	EPA 8260B	109-66-0	n-Pentane	ND	µg/m ³	8	
LB8-17'	5/6/2016	EPA 8260B	103-65-1	n-Propylbenzene	ND	µg/m ³	8	
LB8-17'	5/6/2016	EPA 8260B	135-98-8	sec-Butylbenzene	ND	µg/m ³	8	
LB8-17'	5/6/2016	EPA 8260B	100-42-5	Styrene	ND	µg/m ³	8	
LB8-17'	5/6/2016	EPA 8260B	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/m ³	400	
LB8-17'	5/6/2016	EPA 8260B	994-05-8	Tert-amylmethylether (TAME)	ND	µg/m ³	40	
LB8-17'	5/6/2016	EPA 8260B	98-06-6	tert-Butylbenzene	ND	µg/m ³	8	
LB8-17'	5/6/2016	EPA 8260B	127-18-4	Tetrachloroethylene	14600	µg/m ³	8	
LB8-17'	5/6/2016	EPA 8260B	108-88-3	Toluene	97.4	µg/m ³	8	
LB8-17'	5/6/2016	EPA 8260B	156-60-5	trans-1,2-Dichloroethene	ND	µg/m ³	8	
LB8-17'	5/6/2016	EPA 8260B	10061-02-6	trans-1,3-Dichloropropene	ND	µg/m ³	8	
LB8-17'	5/6/2016	EPA 8260B	79-01-6	Trichloroethylene	173	µg/m ³	8	
LB8-17'	5/6/2016	EPA 8260B	75-69-4	Trichlorofluoromethane	ND	µg/m ³	8	
LB8-17'	5/6/2016	EPA 8260B	75-01-4	Vinyl Chloride	ND	µg/m ³	8	
LB8-17'	5/6/2016	EPA 8260B	1330-20-7	Xylenes	89.1	µg/m ³	8	

APPENDIX B

Background Metals Evaluation

B.1 INTRODUCTION

For naturally occurring chemicals such as metals, an evaluation of background concentrations was performed to determine whether the metals concentrations at the Site are naturally occurring, and whether they should be considered Site COPCs to be further evaluated in a human health risk assessment (HHRA). Typically, if concentrations of a metal are within background for an area, the metal is not selected as a COPC for the Site and therefore is not carried forward in a HHRA.

Cal-EPA (1997) defines background levels of metals as including both pristine conditions (e.g., natural geological composition at locations unaffected by human activity) and ambient conditions (i.e., chemical concentrations in the vicinity of the Site that are unaffected by Site-related activity). Therefore, background levels of metals can be from both natural and anthropogenic sources, since they are characterized in the context of “pristine conditions” and “ambient conditions”.

For this Site, an evaluation of the analytical data was conducted to assess the background concentrations for each metal detected at the Site. Site-specific background metals concentrations were derived from existing Site data following the approach described in the Cal-EPA DTSC guidance documents entitled “*Arsenic Strategies. Determination of Arsenic Remediation, Development of Arsenic Cleanup Goals*” (Cal-EPA, 2009) and “*Selecting Inorganic Constituents as Potential Chemicals of Concern at Risk Assessments at Hazardous Waste Sites and Permitted Facilities*” (Cal-EPA, 1997).

B.2 APPROACH

The Site metals data were evaluated to determine whether more than one population could be discriminated (e.g., an ambient population and a Site-impacted population) using methods described in Cal-EPA guidance (1997, 2009). If metals data from the Site demonstrated the presence of two or more separate populations, this in itself provided evidence for impacts above ambient conditions (i.e., the lower population representative of local background conditions and the other considered impacted by Site-related activities). The impacted soil sample population, if present, is characterized by higher concentrations, relative to background, of those metals. Cal-EPA recognizes that the dataset analyzed might include data from areas that are possibly contaminated, and refers to this dataset as the “expanded dataset”.

Cal-EPA (1997) recommends a “weight-of-evidence” approach where indicators of background exceedance are considered. The three indicators, or **criteria**, include:

- 1) the degree to which the Site data distributions are fit by a normal, lognormal, or other distribution¹;
- 2) a graphical assessment (probability, or quantile-quantile plots, against the normal, lognormal, or other distribution) to identify breaks or nonlinearity indicative of more than a single population; and
- 3) the skewness of the data as indicated by the coefficient of variation (CV = standard deviation ÷ average).

Although these three criteria provide related information about distribution shape, each focuses on different aspects of the distribution fit, and consideration of all these criteria (not just one) is recommended by Cal-EPA when evaluating whether or not non-ambient data are present.

B.3 STATISTICAL EVALUATION

The Site soil dataset was statistically analyzed to determine whether one or more populations could be identified and distinguished, and to estimate the maximum concentration of each metal that could be attributed to the background population. The statistical evaluation included:

- Computation and review of summary statistics for concentrations of each metal;
- Construction and review of quantile-quantile (Q-Q) plots of concentrations of each metal to determine whether the dataset more closely follows a normal or lognormal distribution, to identify whether more than one population is evident, and to estimate the maximum concentration associated with the background population;
- CV comparison.

Statistical software (ProUCL version 5.1.00), available from the USEPA (USEPA, 2015), was used to test each dataset for normal or lognormal distributions, to compute the raw statistics, and to plot the metal concentrations. The summary statistics are presented in **Table B-1**. The 95 percent upper confidence limits (95UCLs) of the average concentrations for each metal were derived using ProUCL and are presented in **Attachment B-1**.

Each of the three criteria mentioned above for the “weight-of-evidence” approach (Cal-EPA, 1997) was evaluated as providing or not providing evidence for multiple populations (e.g., ambient versus non-ambient) as follows. According to Cal-EPA (1997), distributions that contain multiple populations or a high proportion of non-detects will generally fail the goodness-of-fit (GOF) test for both normality and lognormality. ProUCL software was used to

¹ Cal-EPA (1997) states that ambient metals concentrations tend to follow a normal or lognormal distribution.

determine the type of distribution for the detected results in each dataset as indicated in the Q-Q plots presented in **Figures B-1** through **B-14**. The Q-Q plots and the ProUCL GOF evaluation indicated a normal or lognormal distribution for arsenic, barium, cadmium, cobalt, mercury, nickel, and vanadium. Too few samples had detectable concentrations of beryllium and molybdenum to evaluate a distribution. The plots and GOF evaluation for the remaining metals did not indicate a GOF, which is considered evidence for the presence of multiple populations or concentrations that were above ambient conditions on the Site.

In addition to determining the types of distribution for each metal (Criterion 1), ambient versus non-ambient breakpoints were developed by evaluating the Q-Q plots (Criterion 2) in **Figures B-1** through **B-14** to determine if multiple distributions are present. These plots are constructed by plotting the sorted data against the quantiles of the best-fitting normal or lognormal distribution for the data with large data points being detected values and small data points being non-detected values. In these plots, data points should fall approximately along a diagonal line if the distribution assumption is accurate (small deviations are to be expected and are not significant). Significant breaks or bends in the plots indicate departures from the assumed distribution and suggest multiple populations or outliers.

The Q-Q plots for seven metals (cadmium, total chromium, copper, lead, nickel, vanadium, and zinc) indicated the presence of one or more inflection points (breaks or bends), which suggest the possibility of non-background sources. The second portion of the curve with a change in slope represented a relatively smaller portion of the total number of samples. The population nearest the origin was taken as the background population and the second portion of the curve with a change in slope was thought to represent metals above local background (see **Figures B-1** through **B-14**). The other metals (barium, cobalt, mercury) exhibited a single distribution with no significant inflection points.

The inflection points (breaks in slope on the Q-Q plot) are identified on the Q-Q plots and are also listed in **Table B-1**. These inflection points may potentially be considered preliminary background concentrations for the Site. For arsenic, the regional background value of 12 was applied instead of identifying an inflection point (Cal-EPA 2008). Additionally, an inflection point could not be identified for beryllium due to elevated detection limits, and was therefore carried through as a COPC.

Criterion 3 mentioned above involves the comparison suggested by the Cal-EPA (1997) of the coefficient of variation (CV) of the data with the values typically displayed by ambient distributions of metals. Cal-EPA (1997) states that metals data drawn from just one population typically display a CV of no more than 1. Therefore, if the CV was greater than 1, the data were considered to be from multiple populations, whereas a CV less than 1 implies that the underlying distribution had low skewness and the concentrations may be within background.

The CV was equal to or greater than 1 for cadmium, copper, lead, and zinc, which indicates the relatively high skewness of their datasets and therefore the potential presence of more than one population.

The summary statistics are presented in **Table B-1**.

B.4 CONCLUSIONS

Based on the results of this evaluation, concentrations of barium, cobalt, mercury, molybdenum, and nickel in soils were considered to be within background levels for the Site. For arsenic, beryllium and molybdenum, too few samples had detectable concentrations to perform robust statistical analysis. For arsenic the maximum concentration in soil was compared to the regional background level of 12 mg/kg and was determined to be within background. For molybdenum, the maximum concentration was compared to the range in Bradford et al. (1996) for California soils (0.1 to 9.6 mg/kg) and determined to be within background. Beryllium was carried forward as a COPC due to elevated detection limits in the data set. For cadmium, copper, total chromium, copper, lead, nickel vanadium and zinc, more than one population could be distinguished (an ambient and a potentially Site-impacted population). Additionally, the plots for total chromium, copper, lead, and zinc did not indicate a GOF. The CVs for cadmium, copper, lead and zinc were greater than 1. Hexavalent chromium was included in the background evaluation, however as hexavalent chromium is not naturally occurring and is a known regional contaminant of concern, it was carried forward as a COPC. Therefore, beryllium, cadmium, total chromium, hexavalent chromium, copper, lead, and zinc are considered above background for the Site.

B.5 REFERENCES

- G.R. Bradford, A.C. Chang, A.L. Page, D. Bakhtar, J.A. Frampton, and H. Wright. 1996. Background Concentrations of Trace and Major Elements in California Soils. Kearney Foundation of Soil Science, University of California. March.
- California Environmental Protection Agency (Cal-EPA) Department of Toxic Substance Control (DTSC), 2009. Arsenic Strategies. Determination of Arsenic Remediation, Development of Arsenic Cleanup Goals. January 16.
- Cal-EPA, 1997. Selecting Inorganic Constituents as Chemicals of Potential Concern at Risk Assessments at Hazardous Waste Sites and Permitted Facilities. Final Policy. Human and Ecological Risk Division. DTSC. February.
- Cal-EPA 2008. Determination of a Southern California Regional Background Arsenic Concentration in Soil. March.

United States Environmental Protection Agency (USEPA), 2015. ProUCL Version 5.1 Technical Guide Statistical Software for Environmental Applications for Data Sets with and without Nondetect Observations. EPA/600/R-07/041. October.

Attachments

Table B-1: Summary of Background Metal Concentrations in Soil

Figures B-1 through B-14: Q-Q Plots of Metals

Attachment B-1: 95UCL Concentrations for Metals

Table B-1
Background Metals Summary Statistics
777 North Front Street
Burbank, CA

Metal	Summary Statistics												Inflection Point ⁽⁴⁾ (mg/kg)	Within Background?	Selected Background Level ⁽⁵⁾ (mg/kg)	Selected as a COPC ⁽⁶⁾ ?
	n ^[1]	Number of Detects	Number of NDs	% NDs	Minimum of Detects	Maximum of Detects	Average of Detects	Standard Deviation ⁽²⁾	Skewness ⁽²⁾	CV ⁽²⁾	Distribution	95% UCL				
As	110	4	106	96%	2.3	6.83	4.44	2.426	0.0512	0.546	Lognormal	0.797	None	Yes	12 ⁽⁷⁾	No
Ba	110	110	0	0%	34.5	287	165.7	53.81	-0.229	0.325	Normal	174.2	None	Yes	287	No
Be	110	1	109	99%	0.387	0.387	0.387	--	--	--	-- ⁽⁸⁾	--	--	No	0.387	Yes ⁽⁹⁾
Cd	110	4	106	96%	0.8	6.1	2.325	2.524	1.966	1.085	Approx. Lognormal	0.565	0.8	No	0.8	Yes
Cr	110	110	0	0%	5.2	157	27.12	15.77	5.337	0.582	None	29.62	35.7	No	35.7	Yes
Cr(VI)	13	5	8	62%	0.96	2.8	1.452	0.763	2.099	0.526	Lognormal/Approx. Gamma	1.558	None	No	--	Yes ⁽¹⁰⁾
Co	110	110	0	0%	1.1	22.6	14.24	4.446	-0.39	0.312	Normal	14.94	None	Yes	22.6	No
Cu	110	110	0	0%	6.8	6740	123.8	667.2	9.315	5.389	None	401.1	64.4	No	64.4	Yes
Pb	110	108	2	2%	0.6	1110	19.09	107.6	9.945	5.633	None	63.06	11.9	No	11.9	Yes
Hg	110	32	78	71%	0.02	0.13	0.0397	0.0211	2.779	0.531	Lognormal/Approx. Gamma	0.0283	None	Yes	1.3	No
Mo	110	2	108	98%	2.2	2.7	2.45	0.354	--	0.144	-- ⁽⁸⁾	0.356	None	Yes	2.7	No
Ni	110	110	0	0%	2.3	47.1	18.46	6.513	0.531	0.353	Normal	19.49	26	Yes	26	No
V	110	110	0	0%	11.3	83.8	55.26	14.18	-0.407	0.257	Approx. Normal	57.5	53.8	Yes	53.8	No
Zn	110	110	0	0%	21.7	6920	317.1	1088	5.159	3.431	None	769.3	359	No	359	Yes

Notes:

-- not applicable

mg/kg milligram per kilogram

ND = non-detect

CV = coefficient of variation

95UCL = 95% upper confidence limit

(1) Excludes duplicates

(2) Calculated based on only detections (i.e., omitting NDs from the dataset)

(3) Distribution of the data and 95 percent upper confidence limit (95UCL) of the average concentration determined using USEPA ProUCL version 5.0.00 software

(4) Cal-EPA, 2009. Arsenic Strategies. Determination of Arsenic Remediation, Development of Arsenic Cleanup Goals for Proposed and Existing School Sites.

(5) Selected background level = inflection point from the Q-Q plots (Figures B-1 through B-18) or the maximum detected value.

(6) A Metal was selected as a COPC based on a weight of evidence approach, including if at least one of the following criteria were met:

a) Coefficient of Variation (CV) > 1

b) If the distribution can not be determined from the Q-Q plots or the Goodness of Fit (GOF) test

c) If an inflection point can be identified in the Q-Q plots (Figures B-1 to B-18)

(7) Regional background of 12 mg/kg applied.

(8) Not enough data to perform Goodness of Fit Test

(9) Be is carried forward as COPC due to elevated NDs

(10) Cr(VI) is carried forward as COPC due to known impacts in region and lack of natural sources.

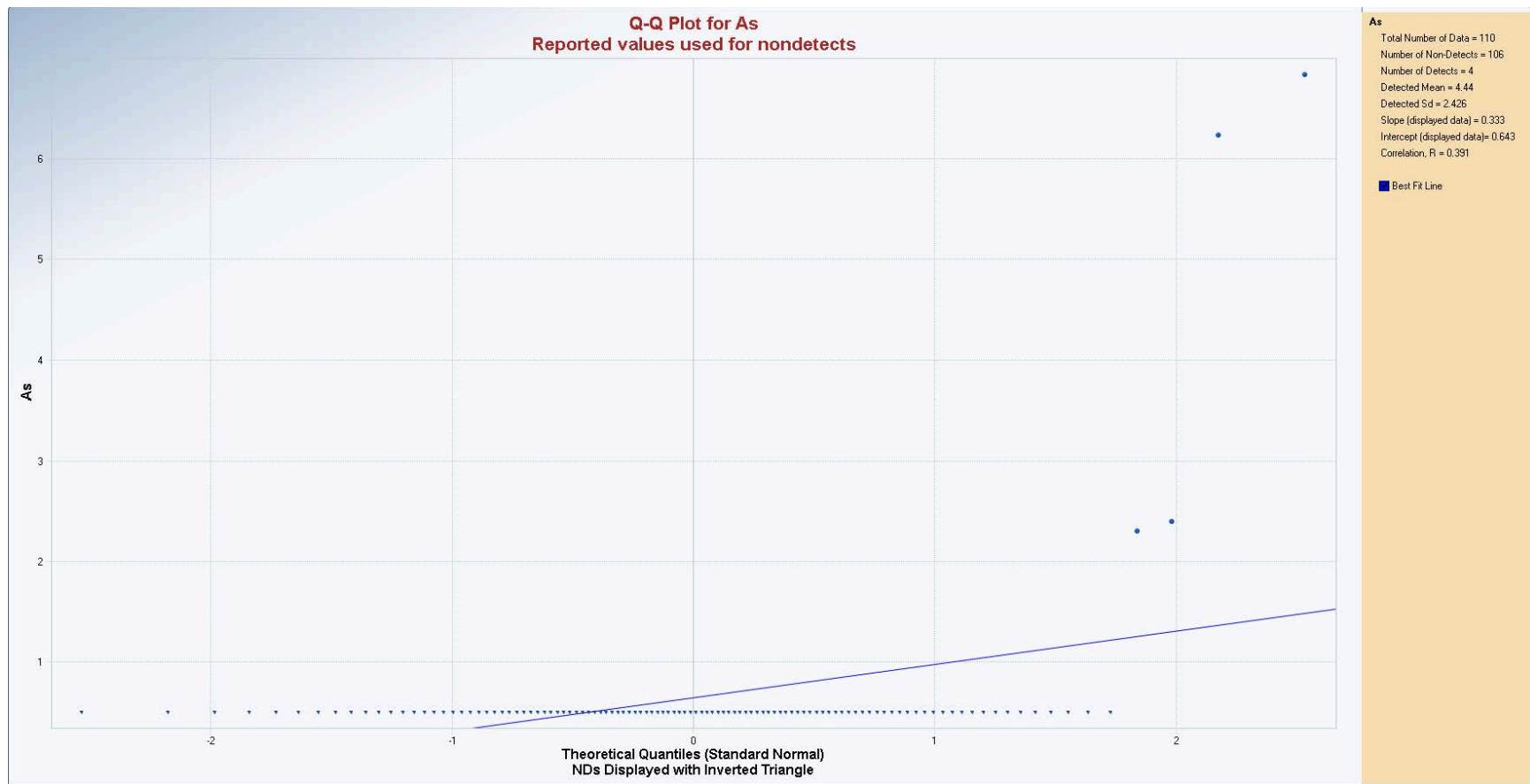


Figure B-1: Arsenic

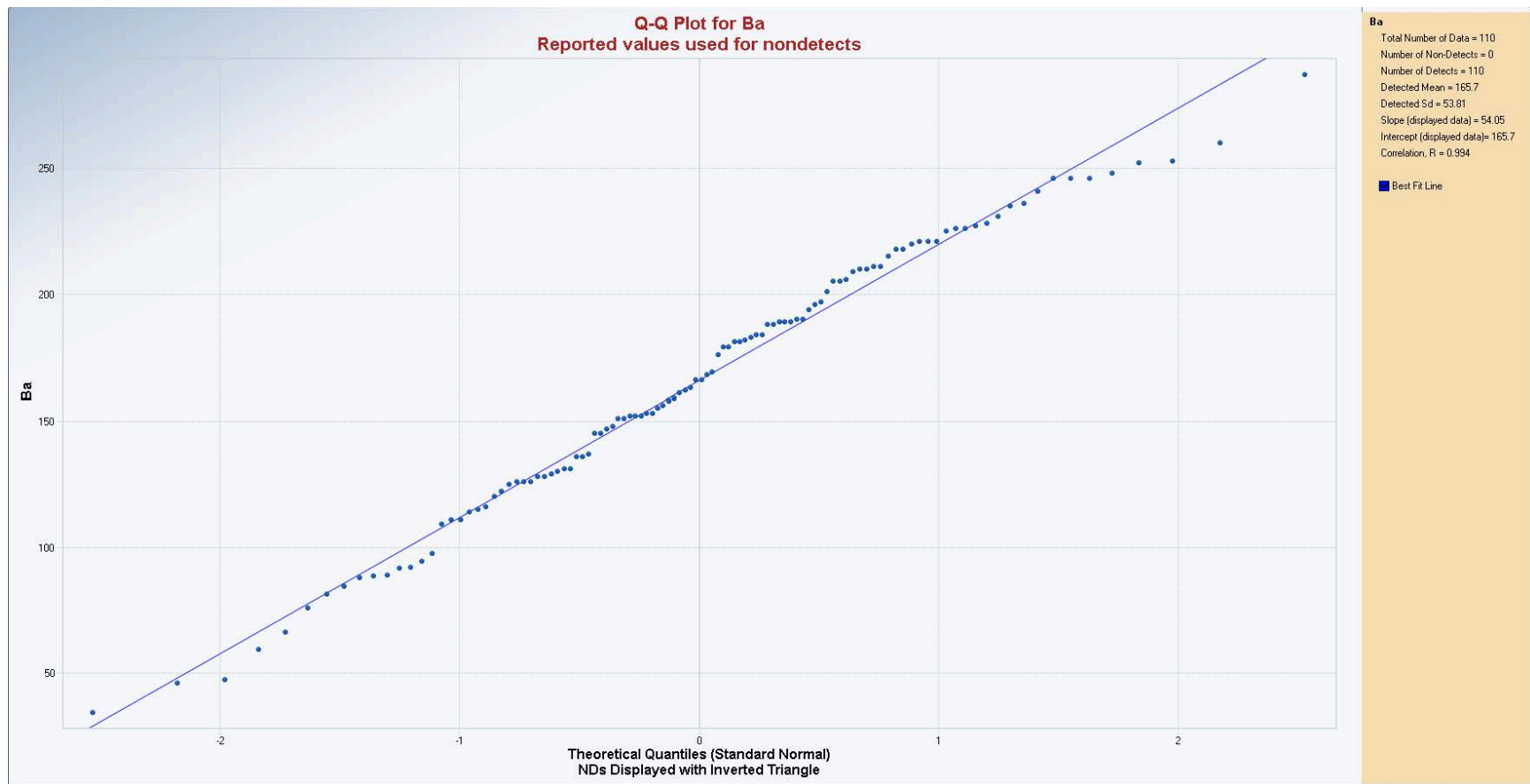


Figure B-2: Barium

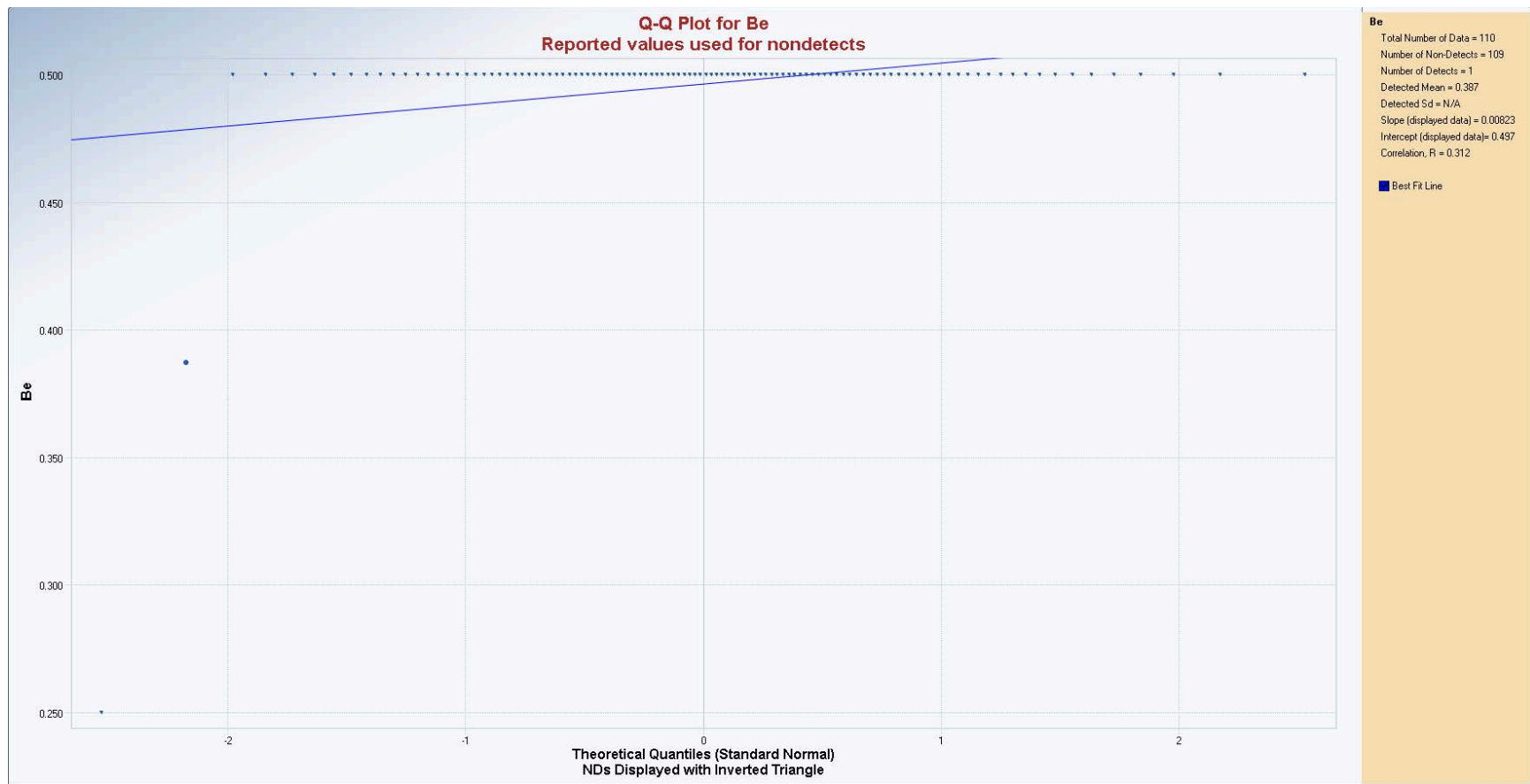


Figure B-3: Beryllium

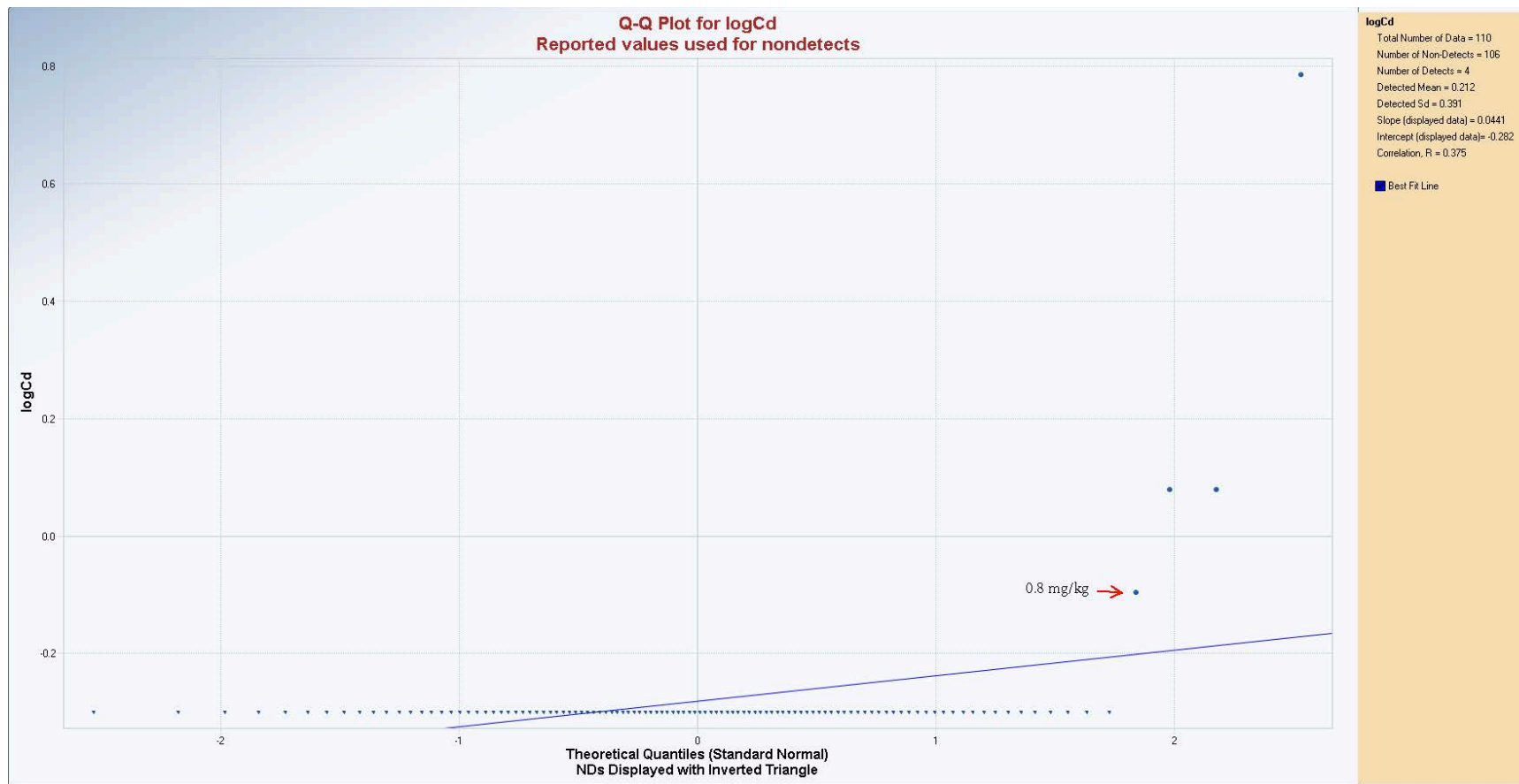


Figure B-4: Cadmium

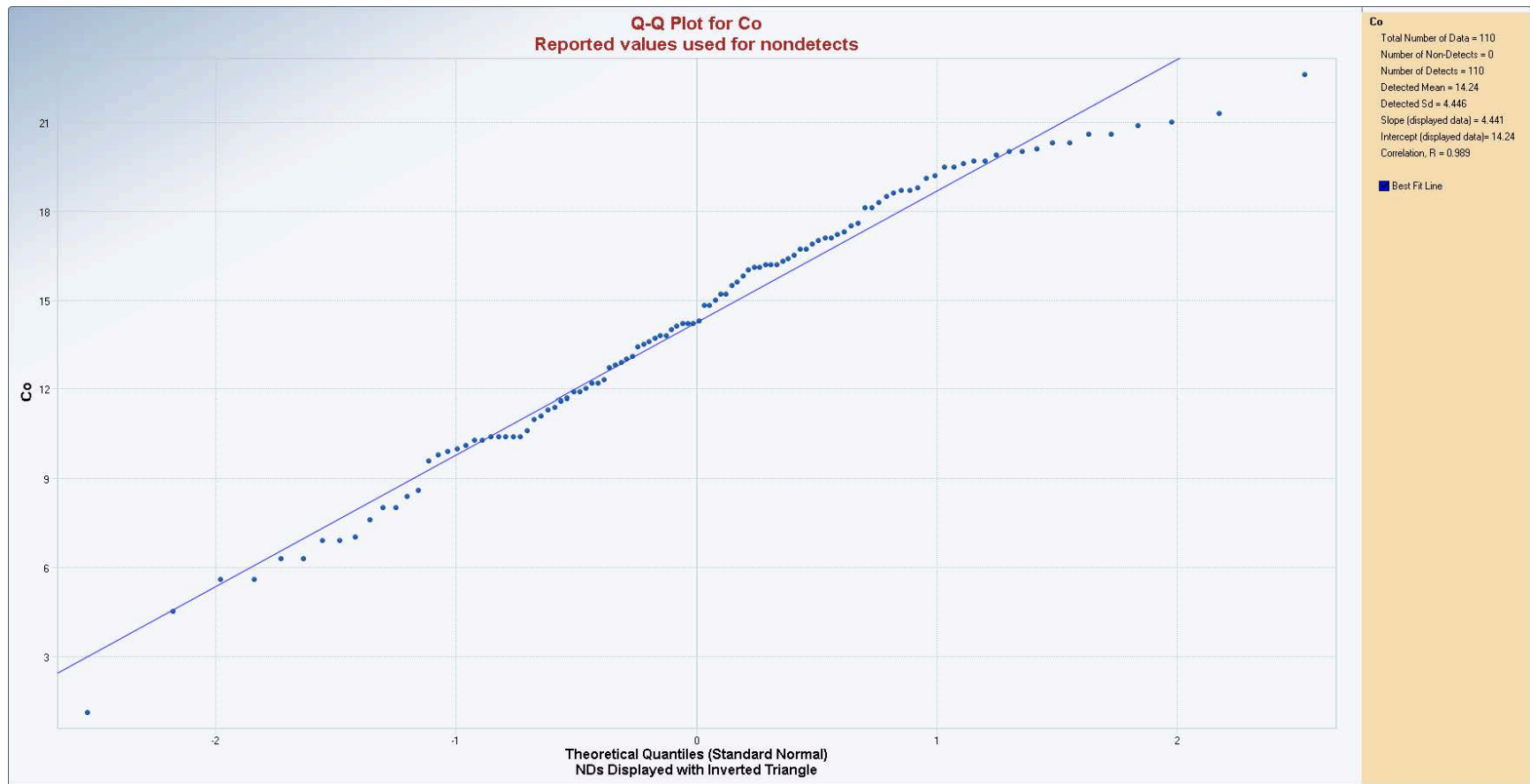


Figure B-5: Cobalt

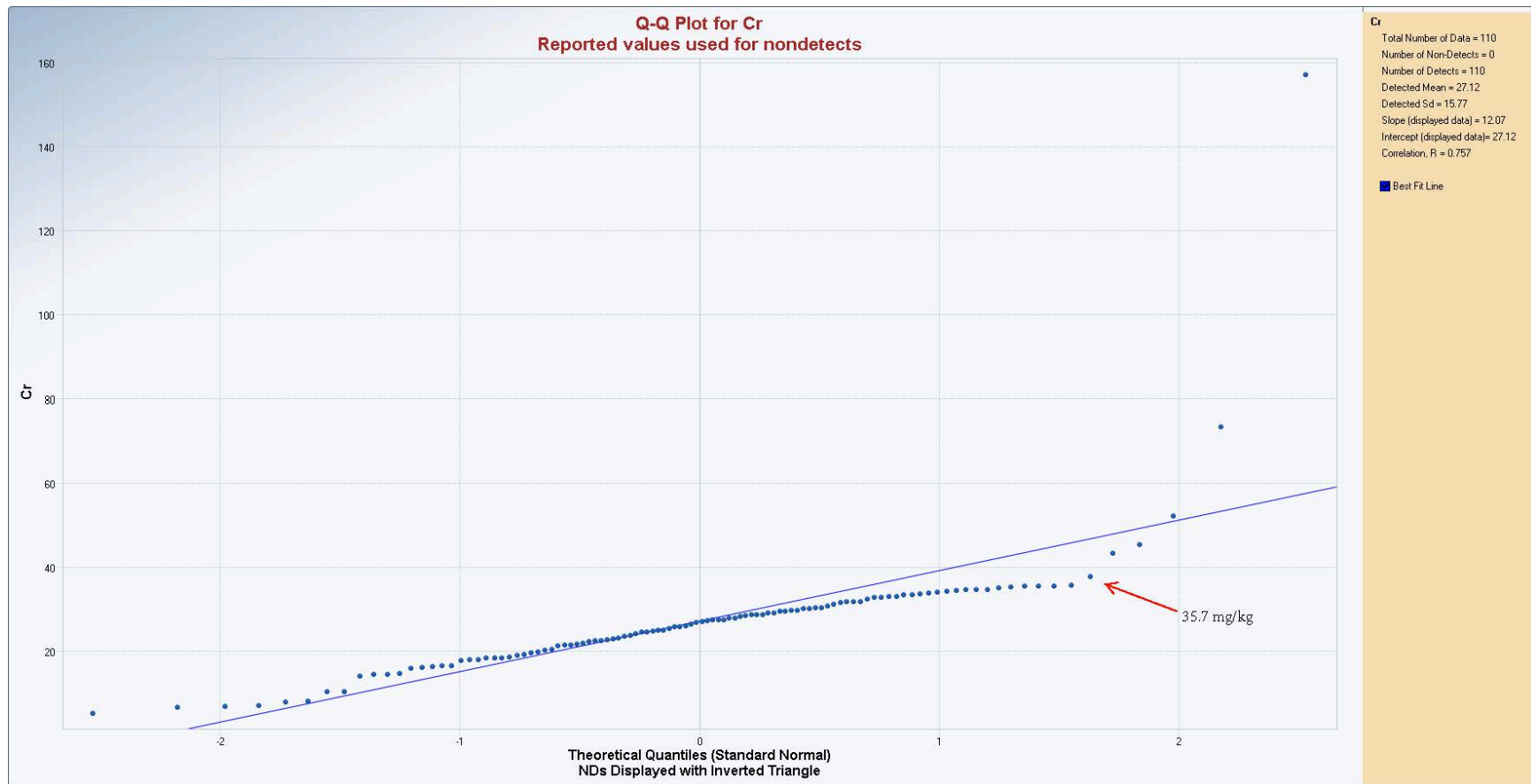


Figure B-6: Chromium

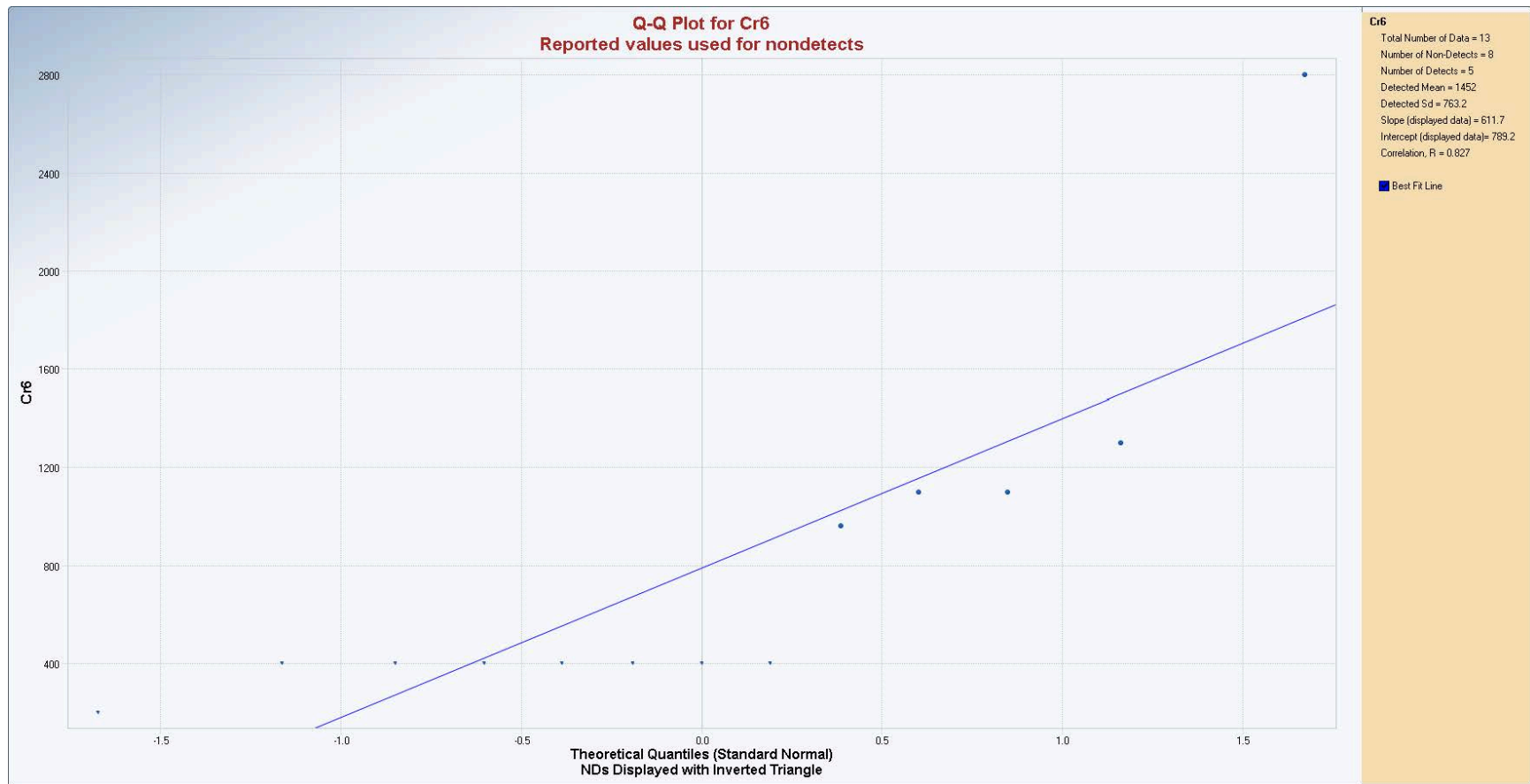


Figure B-7: Hexavalent Chromium

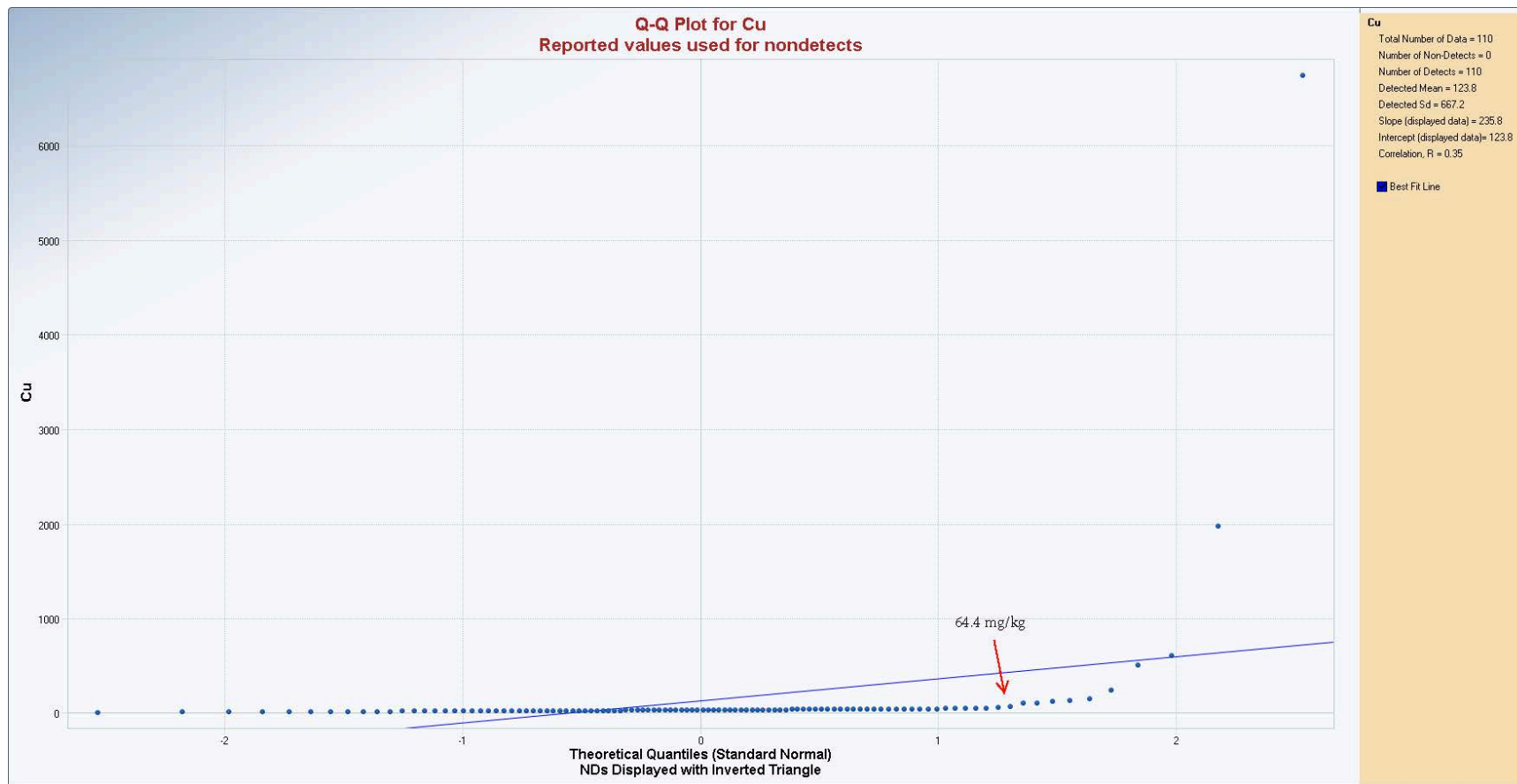


Figure B-8: Copper

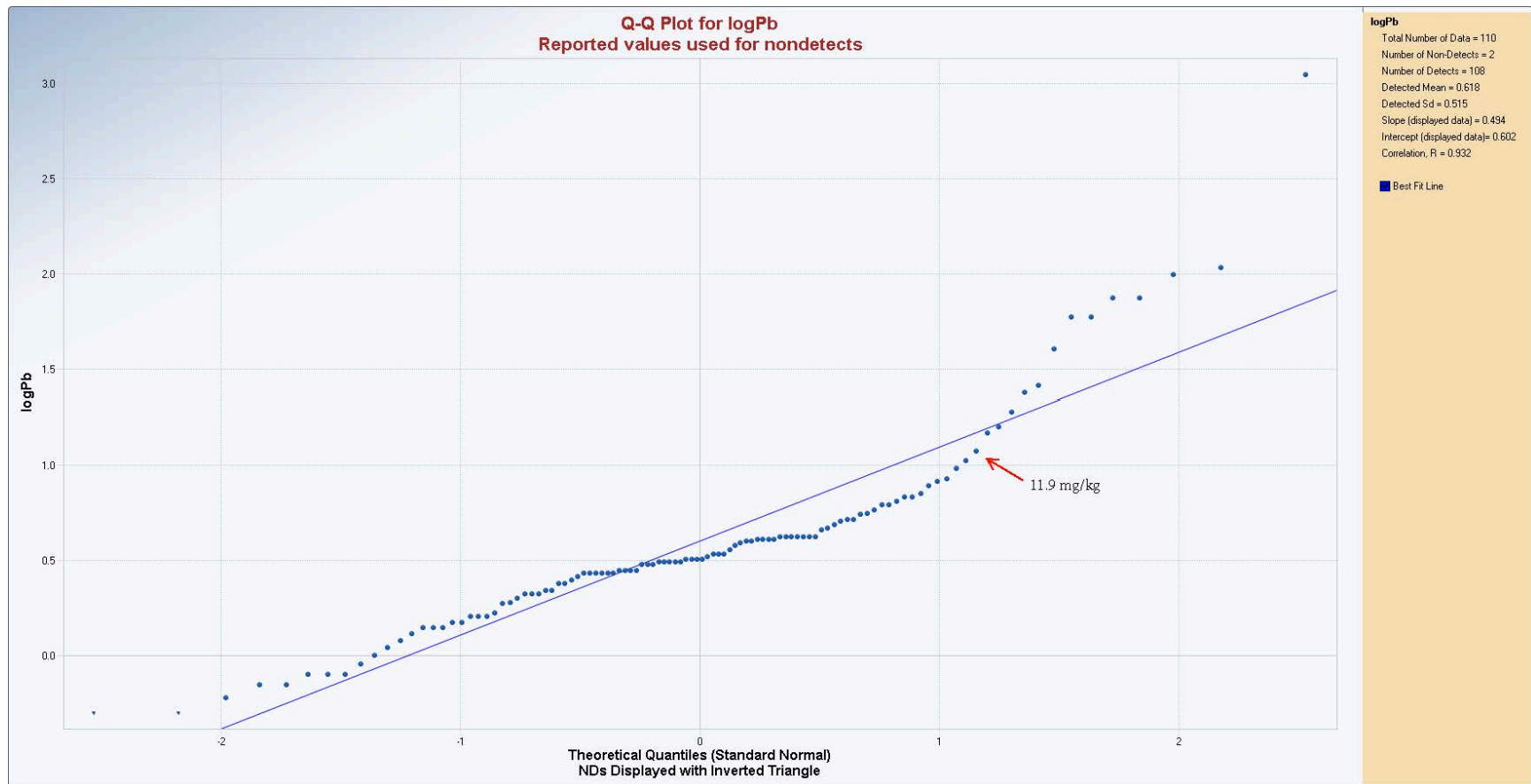


Figure B-9: Lead

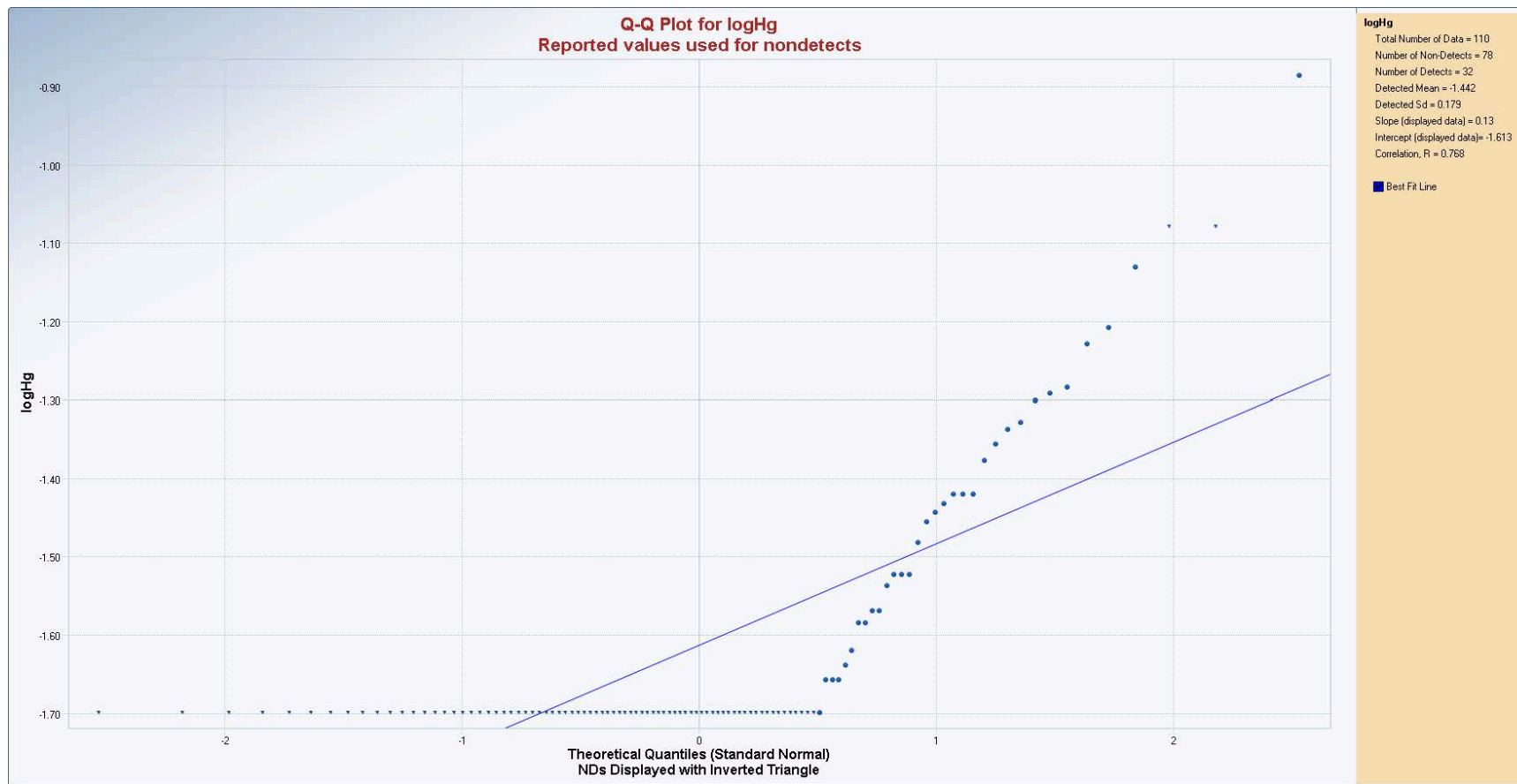


Figure B-10: Mercury

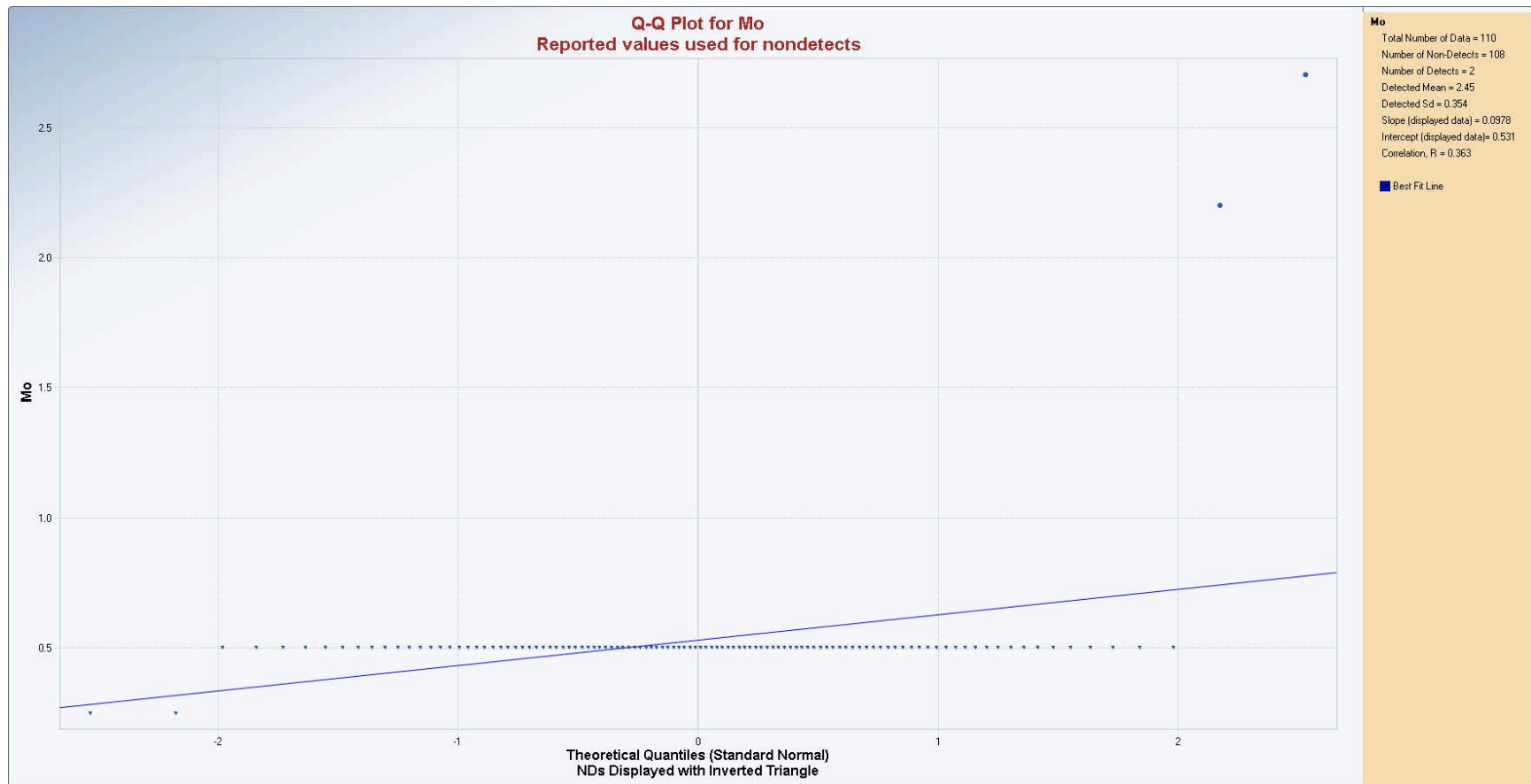


Figure B-11: Molybdenum

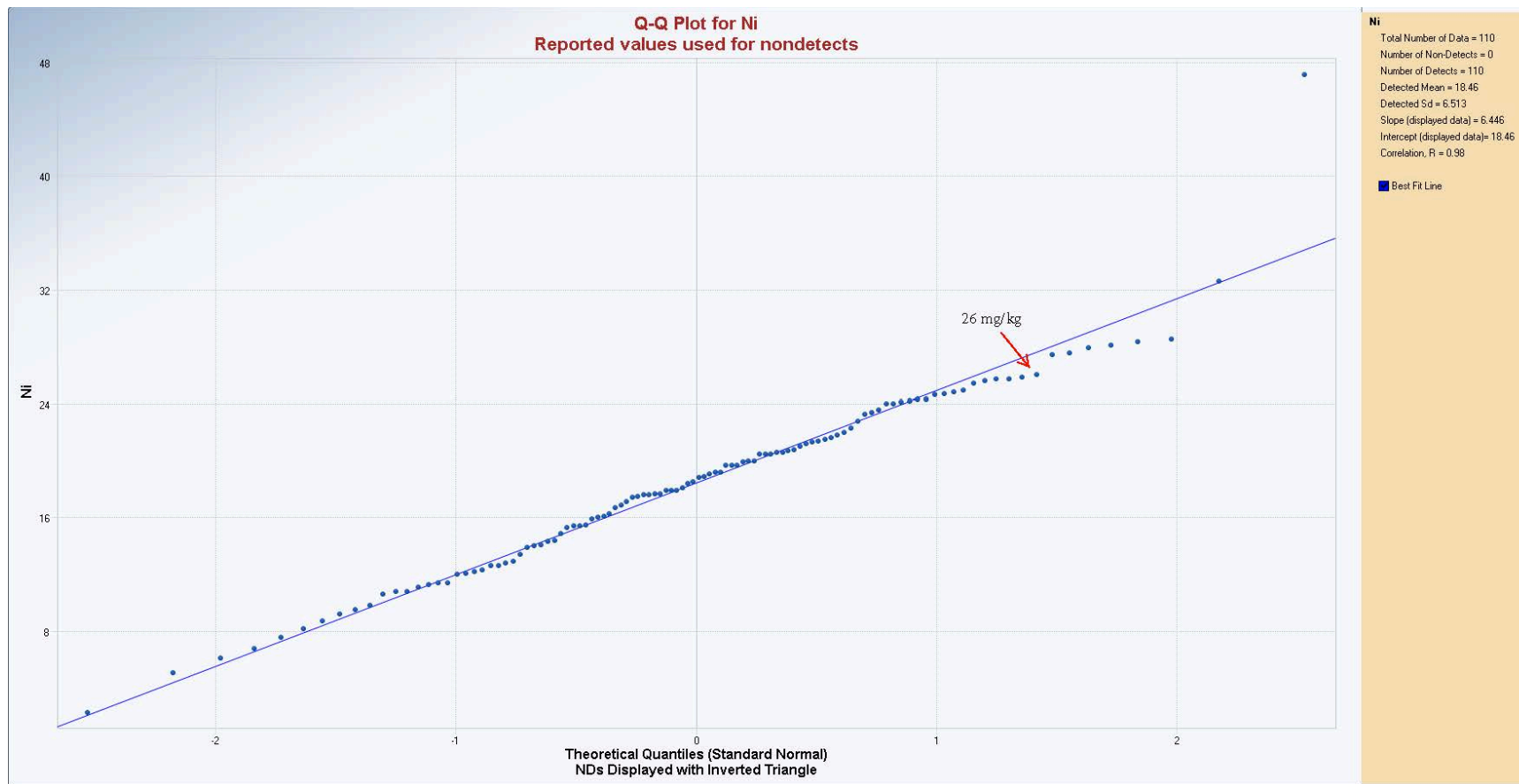


Figure B-12: Nickel

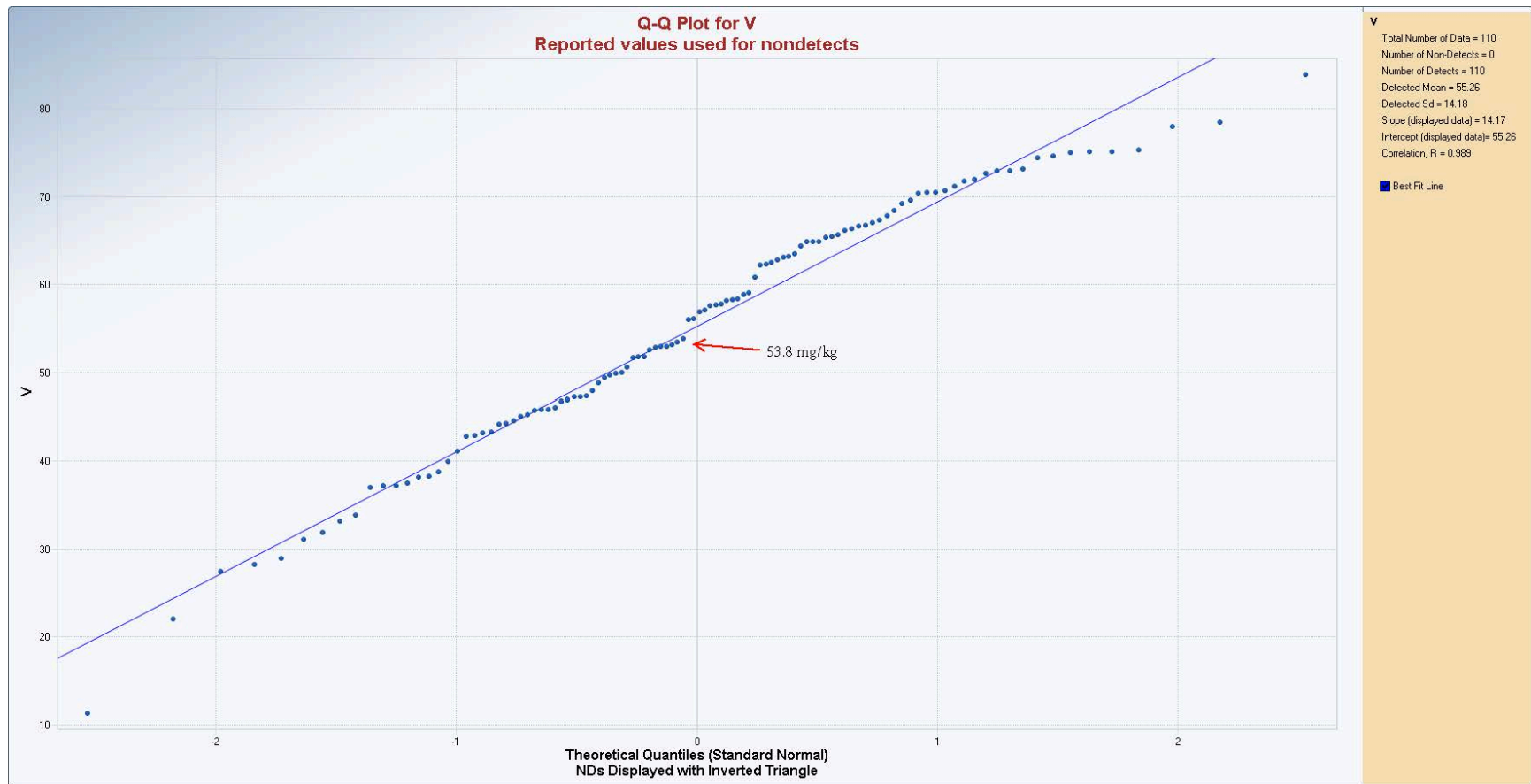


Figure B-13: Vanadium

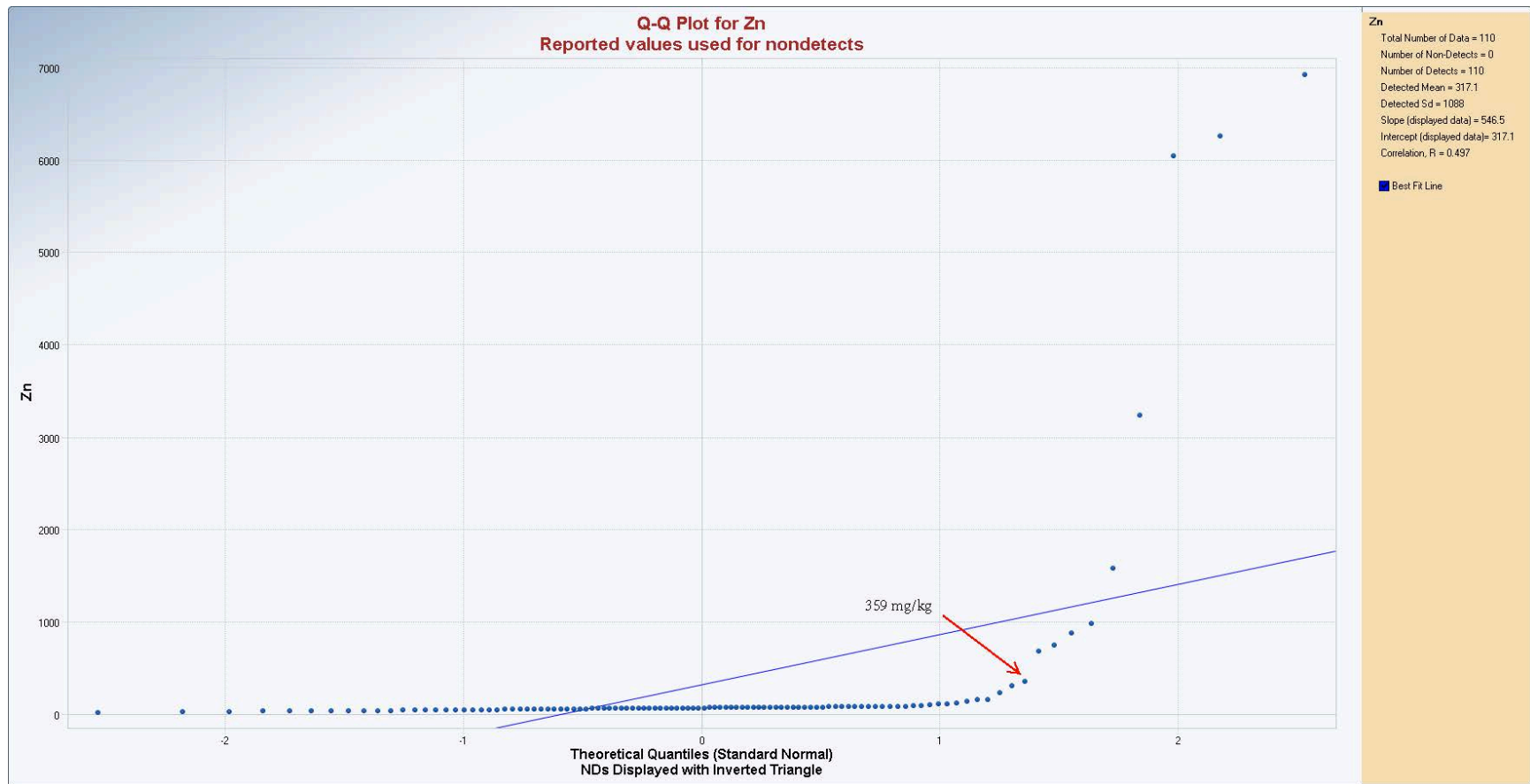


Figure B-14: Zinc

Attachment B-1: 95UCL Concentrations for Metals
UCL Statistics for Data Sets with Non-Detects

User Selected Options	
Date/Time of Computation	ProUCL 5.112/15/2016 1:44:01 PM
From File	Bkg Metals Evaluation Data_c.xls
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

Arsenic

General Statistics

Total Number of Observations	110	Number of Distinct Observations	5
Number of Detects	4	Number of Non-Detects	106
Number of Distinct Detects	4	Number of Distinct Non-Detects	1
Minimum Detect	2.3	Minimum Non-Detect	0.5
Maximum Detect	6.83	Maximum Non-Detect	0.5
Variance Detects	5.886	Percent Non-Detects	96.36%
Mean Detects	4.44	SD Detects	2.426
Median Detects	4.315	CV Detects	0.546
Skewness Detects	0.0512	Kurtosis Detects	-5.688
Mean of Logged Detects	1.365	SD of Logged Detects	0.591

Normal GOF Test on Detects Only

Shapiro Wilk Test Statistic	0.799	Shapiro Wilk GOF Test
5% Shapiro Wilk Critical Value	0.748	Detected Data appear Normal at 5% Significance Level
Lilliefors Test Statistic	0.3	Lilliefors GOF Test
5% Lilliefors Critical Value	0.375	Detected Data appear Normal at 5% Significance Level

Detected Data appear Normal at 5% Significance Level

Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs

KM Mean	0.643	KM Standard Error of Mean	0.0924
KM SD	0.839	95% KM (BCA) UCL	N/A
95% KM (t) UCL	0.797	95% KM (Percentile Bootstrap) UCL	N/A
95% KM (z) UCL	0.795	95% KM Bootstrap t UCL	N/A
90% KM Chebyshev UCL	0.92	95% KM Chebyshev UCL	1.046
97.5% KM Chebyshev UCL	1.22	99% KM Chebyshev UCL	1.563

Gamma GOF Tests on Detected Observations Only

A-D Test Statistic	0.598	Anderson-Darling GOF Test
5% A-D Critical Value	0.659	Detected data appear Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.332	Kolmogorov-Smirnov GOF
5% K-S Critical Value	0.396	Detected data appear Gamma Distributed at 5% Significance Level

Detected data appear Gamma Distributed at 5% Significance Level

Gamma Statistics on Detected Data Only

k hat (MLE)	4.131	k star (bias corrected MLE)	1.199
Theta hat (MLE)	1.075	Theta star (bias corrected MLE)	3.702
nu hat (MLE)	33.05	nu star (bias corrected)	9.596
Mean (detects)	4.44		

Gamma ROS Statistics using Imputed Non-Detects

GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs

GROS may not be used when kstar of detects is small such as <1.0, especially when the sample size is small (e.g., <15-20)

For such situations, GROS method may yield incorrect values of UCLs and BTVs

This is especially true when the sample size is small.

For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates

Minimum	0.01	Mean	0.176
Maximum	6.83	Median	0.01
SD	0.926	CV	5.266
k hat (MLE)	0.269	k star (bias corrected MLE)	0.267
Theta hat (MLE)	0.654	Theta star (bias corrected MLE)	0.658
nu hat (MLE)	59.1	nu star (bias corrected)	58.82
Adjusted Level of Significance (β)	0.0478		
Approximate Chi Square Value (58.82, α)	42.19	Adjusted Chi Square Value (58.82, β)	42
95% Gamma Approximate UCL (use when $n \geq 50$)	0.245	95% Gamma Adjusted UCL (use when $n < 50$)	N/A

Estimates of Gamma Parameters using KM Estimates

Mean (KM)	0.643	SD (KM)	0.839
Variance (KM)	0.704	SE of Mean (KM)	0.0924
k hat (KM)	0.587	k star (KM)	0.577
nu hat (KM)	129.2	nu star (KM)	127
theta hat (KM)	1.095	theta star (KM)	1.114
80% gamma percentile (KM)	1.06	90% gamma percentile (KM)	1.687
95% gamma percentile (KM)	2.347	99% gamma percentile (KM)	3.947

Gamma Kaplan-Meier (KM) Statistics

Approximate Chi Square Value (127.03, α)	102	Adjusted Chi Square Value (127.03, β)	101.7
95% Gamma Approximate KM-UCL (use when $n \geq 50$)	0.801	95% Gamma Adjusted KM-UCL (use when $n < 50$)	0.803

Lognormal GOF Test on Detected Observations Only

Shapiro Wilk Test Statistic	0.787	Shapiro Wilk GOF Test
5% Shapiro Wilk Critical Value	0.748	Detected Data appear Lognormal at 5% Significance Level
Lilliefors Test Statistic	0.296	Lilliefors GOF Test
5% Lilliefors Critical Value	0.375	Detected Data appear Lognormal at 5% Significance Level

Detected Data appear Lognormal at 5% Significance Level

Lognormal ROS Statistics Using Imputed Non-Detects

Mean in Original Scale	0.287	Mean in Log Scale	-3.414
SD in Original Scale	0.937	SD in Log Scale	2.185
95% t UCL (assumes normality of ROS data)	0.435	95% Percentile Bootstrap UCL	0.442
95% BCA Bootstrap UCL	0.5	95% Bootstrap t UCL	0.613
95% H-UCL (Log ROS)	0.751		

Statistics using KM estimates on Logged Data and Assuming Lognormal Distribution

KM Mean (logged)	-0.618	KM Geo Mean	0.539
KM SD (logged)	0.397	95% Critical H Value (KM-Log)	1.779
KM Standard Error of Mean (logged)	0.0438	95% H-UCL (KM -Log)	0.624
KM SD (logged)	0.397	95% Critical H Value (KM-Log)	1.779
KM Standard Error of Mean (logged)	0.0438		

DL/2 Statistics

DL/2 Normal		DL/2 Log-Transformed	
Mean in Original Scale	0.402	Mean in Log Scale	-1.286
SD in Original Scale	0.885	SD in Log Scale	0.527
95% t UCL (Assumes normality)	0.542	95% H-Stat UCL	0.348

DL/2 is not a recommended method, provided for comparisons and historical reasons

Gamma GOF Tests on Detected Observations Only

A-D Test Statistic	0.683	Anderson-Darling GOF Test
5% A-D Critical Value	0.662	Detected Data Not Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.427	Kolmogorov-Smirnov GOF
5% K-S Critical Value	0.399	Detected Data Not Gamma Distributed at 5% Significance Level

Detected Data Not Gamma Distributed at 5% Significance Level

Gamma Statistics on Detected Data Only

k hat (MLE)	1.549	k star (bias corrected MLE)	0.554
Theta hat (MLE)	1.501	Theta star (bias corrected MLE)	4.197
nu hat (MLE)	12.39	nu star (bias corrected)	4.431
Mean (detects)	2.325		

Gamma ROS Statistics using Imputed Non-Detects

GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs

GROS may not be used when kstar of detects is small such as <1.0, especially when the sample size is small (e.g., <15-20)

For such situations, GROS method may yield incorrect values of UCLs and BTVs

This is especially true when the sample size is small.

For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates

Minimum	0.01	Mean	0.0942
Maximum	6.1	Median	0.01
SD	0.604	CV	6.413
k hat (MLE)	0.33	k star (bias corrected MLE)	0.327
Theta hat (MLE)	0.285	Theta star (bias corrected MLE)	0.288
nu hat (MLE)	72.6	nu star (bias corrected)	71.95
Adjusted Level of Significance (β)	0.0478		
Approximate Chi Square Value (71.95, α)	53.42	Adjusted Chi Square Value (71.95, β)	53.21
95% Gamma Approximate UCL (use when $n \geq 50$)	0.127	95% Gamma Adjusted UCL (use when $n < 50$)	N/A

Estimates of Gamma Parameters using KM Estimates

Mean (KM)	0.566	SD (KM)	0.539
Variance (KM)	0.29	SE of Mean (KM)	0.0593
k hat (KM)	1.105	k star (KM)	1.08
nu hat (KM)	243	nu star (KM)	237.7
theta hat (KM)	0.513	theta star (KM)	0.524
80% gamma percentile (KM)	0.906	90% gamma percentile (KM)	1.279
95% gamma percentile (KM)	1.651	99% gamma percentile (KM)	2.509

Gamma Kaplan-Meier (KM) Statistics

Approximate Chi Square Value (237.70, α)	203	Adjusted Chi Square Value (237.70, β)	202.6
95% Gamma Approximate KM-UCL (use when $n \geq 50$)	0.663	95% Gamma Adjusted KM-UCL (use when $n < 50$)	0.665

Lognormal GOF Test on Detected Observations Only

Shapiro Wilk Test Statistic	0.8	Shapiro Wilk GOF Test
5% Shapiro Wilk Critical Value	0.748	Detected Data appear Lognormal at 5% Significance Level
Lilliefors Test Statistic	0.383	Lilliefors GOF Test
5% Lilliefors Critical Value	0.375	Detected Data Not Lognormal at 5% Significance Level

Detected Data appear Approximate Lognormal at 5% Significance Level

Lognormal ROS Statistics Using Imputed Non-Detects

Mean in Original Scale	0.101	Mean in Log Scale	-7.075
SD in Original Scale	0.605	SD in Log Scale	3.457
95% t UCL (assumes normality of ROS data)	0.196	95% Percentile Bootstrap UCL	0.204
95% BCA Bootstrap UCL	0.279	95% Bootstrap t UCL	0.476

95% H-UCL (Log ROS) 1.869

Statistics using KM estimates on Logged Data and Assuming Lognormal Distribution

KM Mean (logged)	-0.65	KM Geo Mean	0.522
KM SD (logged)	0.266	95% Critical H Value (KM-Log)	1.722
KM Standard Error of Mean (logged)	0.0293	95% H-UCL (KM -Log)	0.565
KM SD (logged)	0.266	95% Critical H Value (KM-Log)	1.722
KM Standard Error of Mean (logged)	0.0293		

DL/2 Statistics

DL/2 Normal		DL/2 Log-Transformed	
Mean in Original Scale	0.325	Mean in Log Scale	-1.318
SD in Original Scale	0.572	SD in Log Scale	0.383
95% t UCL (Assumes normality)	0.416	95% H-Stat UCL	0.307

DL/2 is not a recommended method, provided for comparisons and historical reasons

Nonparametric Distribution Free UCL Statistics

Detected Data appear Approximate Lognormal Distributed at 5% Significance Level

Suggested UCL to Use

KM H-UCL 0.565

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

Recommendations are based upon data size, data distribution, and skewness.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

Lead

General Statistics

Total Number of Observations	110	Number of Distinct Observations	65
Number of Detects	108	Number of Non-Detects	2
Number of Distinct Detects	64	Number of Distinct Non-Detects	1
Minimum Detect	0.6	Minimum Non-Detect	0.5
Maximum Detect	1110	Maximum Non-Detect	0.5
Variance Detects	11569	Percent Non-Detects	1.818%
Mean Detects	19.09	SD Detects	107.6
Median Detects	3.25	CV Detects	5.633
Skewness Detects	9.945	Kurtosis Detects	101.5
Mean of Logged Detects	1.424	SD of Logged Detects	1.186

Normal GOF Test on Detects Only

Shapiro Wilk Test Statistic	0.165	Normal GOF Test on Detected Observations Only
5% Shapiro Wilk P Value	0	Detected Data Not Normal at 5% Significance Level
Lilliefors Test Statistic	0.432	Lilliefors GOF Test
5% Lilliefors Critical Value	0.0855	Detected Data Not Normal at 5% Significance Level

Detected Data Not Normal at 5% Significance Level

Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs

KM Mean	18.76	KM Standard Error of Mean	10.16
KM SD	106.1	95% KM (BCA) UCL	39.84
95% KM (t) UCL	35.62	95% KM (Percentile Bootstrap) UCL	38.46
95% KM (z) UCL	35.48	95% KM Bootstrap t UCL	110.4
90% KM Chebyshev UCL	49.25	95% KM Chebyshev UCL	63.06

97.5% KM Chebyshev UCL	82.23	99% KM Chebyshev UCL	119.9
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Gamma GOF Tests on Detected Observations Only

A-D Test Statistic	17.36	Anderson-Darling GOF Test
5% A-D Critical Value	0.837	Detected Data Not Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.333	Kolmogorov-Smirnov GOF
5% K-S Critical Value	0.0933	Detected Data Not Gamma Distributed at 5% Significance Level

Detected Data Not Gamma Distributed at 5% Significance Level**Gamma Statistics on Detected Data Only**

k hat (MLE)	0.427	k star (bias corrected MLE)	0.421
Theta hat (MLE)	44.73	Theta star (bias corrected MLE)	45.33
nu hat (MLE)	92.21	nu star (bias corrected)	90.99
Mean (detects)	19.09		

Gamma ROS Statistics using Imputed Non-Detects

GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs

GROS may not be used when kstar of detects is small such as <1.0, especially when the sample size is small (e.g., <15-20)

For such situations, GROS method may yield incorrect values of UCLs and BTVs

This is especially true when the sample size is small.

For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates

Minimum	0.01	Mean	18.75
Maximum	1110	Median	3.2
SD	106.6	CV	5.686
k hat (MLE)	0.406	k star (bias corrected MLE)	0.401
Theta hat (MLE)	46.17	Theta star (bias corrected MLE)	46.75
nu hat (MLE)	89.33	nu star (bias corrected)	88.23
Adjusted Level of Significance (β)	0.0478		
Approximate Chi Square Value (88.23, α)	67.57	Adjusted Chi Square Value (88.23, β)	67.34
95% Gamma Approximate UCL (use when $n \geq 50$)	24.48	95% Gamma Adjusted UCL (use when $n < 50$)	24.56

Estimates of Gamma Parameters using KM Estimates

Mean (KM)	18.76	SD (KM)	106.1
Variance (KM)	11260	SE of Mean (KM)	10.16
k hat (KM)	0.0312	k star (KM)	0.0365
nu hat (KM)	6.873	nu star (KM)	8.019
theta hat (KM)	600.3	theta star (KM)	514.5
80% gamma percentile (KM)	0.654	90% gamma percentile (KM)	17.06
95% gamma percentile (KM)	84.91	99% gamma percentile (KM)	457.2

Gamma Kaplan-Meier (KM) Statistics

Approximate Chi Square Value (8.02, α)	2.746	Adjusted Chi Square Value (8.02, β)	2.705
95% Gamma Approximate KM-UCL (use when $n \geq 50$)	54.77	95% Gamma Adjusted KM-UCL (use when $n < 50$)	55.59

Lognormal GOF Test on Detected Observations Only

Shapiro Wilk Approximate Test Statistic	0.866	Shapiro Wilk GOF Test
5% Shapiro Wilk P Value	2.298E-14	Detected Data Not Lognormal at 5% Significance Level
Lilliefors Test Statistic	0.181	Lilliefors GOF Test
5% Lilliefors Critical Value	0.0855	Detected Data Not Lognormal at 5% Significance Level

Detected Data Not Lognormal at 5% Significance Level**Lognormal ROS Statistics Using Imputed Non-Detects**

Mean in Original Scale	18.75	Mean in Log Scale	1.372
SD in Original Scale	106.6	SD in Log Scale	1.237

95% t UCL (assumes normality of ROS data)	35.61	95% Percentile Bootstrap UCL	38.41
95% BCA Bootstrap UCL	49.76	95% Bootstrap t UCL	105.2
95% H-UCL (Log ROS)	11.31		

Statistics using KM estimates on Logged Data and Assuming Lognormal Distribution

KM Mean (logged)	1.386	KM Geo Mean	3.997
KM SD (logged)	1.203	95% Critical H Value (KM-Log)	2.41
KM Standard Error of Mean (logged)	0.115	95% H-UCL (KM -Log)	10.88
KM SD (logged)	1.203	95% Critical H Value (KM-Log)	2.41
KM Standard Error of Mean (logged)	0.115		

DL/2 Statistics

DL/2 Normal		DL/2 Log-Transformed	
Mean in Original Scale	18.75	Mean in Log Scale	1.373
SD in Original Scale	106.6	SD in Log Scale	1.234
95% t UCL (Assumes normality)	35.61	95% H-Stat UCL	11.28

DL/2 is not a recommended method, provided for comparisons and historical reasons

Nonparametric Distribution Free UCL Statistics

Data do not follow a Discernible Distribution at 5% Significance Level

Suggested UCL to Use

95% KM (Chebyshev) UCL 63.06

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

Recommendations are based upon data size, data distribution, and skewness.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

Mercury

General Statistics

Total Number of Observations	110	Number of Distinct Observations	25
Number of Detects	32	Number of Non-Detects	78
Number of Distinct Detects	24	Number of Distinct Non-Detects	2
Minimum Detect	0.02	Minimum Non-Detect	0.02
Maximum Detect	0.13	Maximum Non-Detect	0.0835
Variance Detects	4.4345E-4	Percent Non-Detects	70.91%
Mean Detects	0.0397	SD Detects	0.0211
Median Detects	0.0355	CV Detects	0.531
Skewness Detects	2.779	Kurtosis Detects	10.45
Mean of Logged Detects	-3.32	SD of Logged Detects	0.411

Normal GOF Test on Detects Only

Shapiro Wilk Test Statistic	0.74	Shapiro Wilk GOF Test	
5% Shapiro Wilk Critical Value	0.93	Detected Data Not Normal at 5% Significance Level	
Lilliefors Test Statistic	0.188	Lilliefors GOF Test	
5% Lilliefors Critical Value	0.154	Detected Data Not Normal at 5% Significance Level	

Detected Data Not Normal at 5% Significance Level

Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs

KM Mean	0.0258	KM Standard Error of Mean	0.0014
KM SD	0.0144	95% KM (BCA) UCL	0.0283
95% KM (t) UCL	0.0281	95% KM (Percentile Bootstrap) UCL	0.0283

95% KM (z) UCL	0.0281	95% KM Bootstrap t UCL	0.0293
90% KM Chebyshev UCL	0.03	95% KM Chebyshev UCL	0.0319
97.5% KM Chebyshev UCL	0.0345	99% KM Chebyshev UCL	0.0397

Gamma GOF Tests on Detected Observations Only

A-D Test Statistic	0.771	Anderson-Darling GOF Test	
5% A-D Critical Value	0.748	Detected Data Not Gamma Distributed at 5% Significance Level	
K-S Test Statistic	0.139	Kolmogorov-Smirnov GOF	
5% K-S Critical Value	0.156	Detected data appear Gamma Distributed at 5% Significance Level	

Detected data follow Appr. Gamma Distribution at 5% Significance Level

Gamma Statistics on Detected Data Only

k hat (MLE)	5.493	k star (bias corrected MLE)	4.999
Theta hat (MLE)	0.00723	Theta star (bias corrected MLE)	0.00794
nu hat (MLE)	351.5	nu star (bias corrected)	319.9
Mean (detects)	0.0397		

Gamma ROS Statistics using Imputed Non-Detects

GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs

GROS may not be used when kstar of detects is small such as <1.0, especially when the sample size is small (e.g., <15-20)

For such situations, GROS method may yield incorrect values of UCLs and BTVs

This is especially true when the sample size is small.

For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates

Minimum	0.01	Mean	0.0188
Maximum	0.13	Median	0.01
SD	0.0175	CV	0.929
k hat (MLE)	2.218	k star (bias corrected MLE)	2.163
Theta hat (MLE)	0.0085	Theta star (bias corrected MLE)	0.00871
nu hat (MLE)	487.9	nu star (bias corrected)	475.9
Adjusted Level of Significance (β)	0.0478		
Approximate Chi Square Value (475.92, α)	426.3	Adjusted Chi Square Value (475.92, β)	425.7
95% Gamma Approximate UCL (use when $n \geq 50$)	0.021	95% Gamma Adjusted UCL (use when $n < 50$)	0.0211

Estimates of Gamma Parameters using KM Estimates

Mean (KM)	0.0258	SD (KM)	0.0144
Variance (KM)	2.0629E-4	SE of Mean (KM)	0.0014
k hat (KM)	3.231	k star (KM)	3.149
nu hat (KM)	710.7	nu star (KM)	692.7
theta hat (KM)	0.00799	theta star (KM)	0.0082
80% gamma percentile (KM)	0.0366	90% gamma percentile (KM)	0.0453
95% gamma percentile (KM)	0.0534	99% gamma percentile (KM)	0.071

Gamma Kaplan-Meier (KM) Statistics

Approximate Chi Square Value (692.68, α)	632.6	Adjusted Chi Square Value (692.68, β)	631.9
95% Gamma Approximate KM-UCL (use when $n \geq 50$)	0.0283	95% Gamma Adjusted KM-UCL (use when $n < 50$)	0.0283

Lognormal GOF Test on Detected Observations Only

Shapiro Wilk Test Statistic	0.938	Shapiro Wilk GOF Test	
5% Shapiro Wilk Critical Value	0.93	Detected Data appear Lognormal at 5% Significance Level	
Lilliefors Test Statistic	0.112	Lilliefors GOF Test	
5% Lilliefors Critical Value	0.154	Detected Data appear Lognormal at 5% Significance Level	

Detected Data appear Lognormal at 5% Significance Level

Lognormal ROS Statistics Using Imputed Non-Detects

Mean in Original Scale	0.0191	Mean in Log Scale	-4.281
SD in Original Scale	0.0179	SD in Log Scale	0.809
95% t UCL (assumes normality of ROS data)	0.022	95% Percentile Bootstrap UCL	0.022
95% BCA Bootstrap UCL	0.0229	95% Bootstrap t UCL	0.0226
95% H-UCL (Log ROS)	0.0225		

Statistics using KM estimates on Logged Data and Assuming Lognormal Distribution

KM Mean (logged)	-3.737	KM Geo Mean	0.0238
KM SD (logged)	0.348	95% Critical H Value (KM-Log)	1.756
KM Standard Error of Mean (logged)	0.034	95% H-UCL (KM -Log)	0.0268
KM SD (logged)	0.348	95% Critical H Value (KM-Log)	1.756
KM Standard Error of Mean (logged)	0.034		

DL/2 Statistics

DL/2 Normal		DL/2 Log-Transformed	
Mean in Original Scale	0.0192	Mean in Log Scale	-4.205
SD in Original Scale	0.0178	SD in Log Scale	0.639
95% t UCL (Assumes normality)	0.022	95% H-Stat UCL	0.0206

DL/2 is not a recommended method, provided for comparisons and historical reasons

Nonparametric Distribution Free UCL Statistics

Detected Data appear Approximate Gamma Distributed at 5% Significance Level

Suggested UCL to Use

95% KM Approximate Gamma UCL	0.0283	95% GROS Approximate Gamma UCL	0.021
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When a data set follows an approximate (e.g., normal) distribution passing one of the GOF test

When applicable, it is suggested to use a UCL based upon a distribution (e.g., gamma) passing both GOF tests in ProUCL

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

Recommendations are based upon data size, data distribution, and skewness.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

Molybdenum

General Statistics

Total Number of Observations	110	Number of Distinct Observations	4
Number of Detects	2	Number of Non-Detects	108
Number of Distinct Detects	2	Number of Distinct Non-Detects	2
Minimum Detect	2.2	Minimum Non-Detect	0.25
Maximum Detect	2.7	Maximum Non-Detect	0.5
Variance Detects	0.125	Percent Non-Detects	98.18%
Mean Detects	2.45	SD Detects	0.354
Median Detects	2.45	CV Detects	0.144
Skewness Detects	N/A	Kurtosis Detects	N/A
Mean of Logged Detects	0.891	SD of Logged Detects	0.145

Warning: Data set has only 2 Detected Values.

This is not enough to compute meaningful or reliable statistics and estimates.

Normal GOF Test on Detects Only

Not Enough Data to Perform GOF Test

Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs

KM Mean	0.29	KM Standard Error of Mean	0.0399
KM SD	0.296	95% KM (BCA) UCL	N/A
95% KM (t) UCL	0.356	95% KM (Percentile Bootstrap) UCL	N/A
95% KM (z) UCL	0.356	95% KM Bootstrap t UCL	N/A
90% KM Chebyshev UCL	0.41	95% KM Chebyshev UCL	0.464
97.5% KM Chebyshev UCL	0.539	99% KM Chebyshev UCL	0.687

Gamma GOF Tests on Detected Observations Only**Not Enough Data to Perform GOF Test****Gamma Statistics on Detected Data Only**

k hat (MLE)	95.71	k star (bias corrected MLE)	N/A
Theta hat (MLE)	0.0256	Theta star (bias corrected MLE)	N/A
nu hat (MLE)	382.8	nu star (bias corrected)	N/A
Mean (detects)	2.45		

Estimates of Gamma Parameters using KM Estimates

Mean (KM)	0.29	SD (KM)	0.296
Variance (KM)	0.0875	SE of Mean (KM)	0.0399
k hat (KM)	0.961	k star (KM)	0.941
nu hat (KM)	211.4	nu star (KM)	206.9
theta hat (KM)	0.302	theta star (KM)	0.308
80% gamma percentile (KM)	0.469	90% gamma percentile (KM)	0.678
95% gamma percentile (KM)	0.888	99% gamma percentile (KM)	1.378

Gamma Kaplan-Meier (KM) Statistics

		Adjusted Level of Significance (β)	0.0478
Approximate Chi Square Value (206.93, α)	174.6	Adjusted Chi Square Value (206.93, β)	174.3
95% Gamma Approximate KM-UCL (use when $n \geq 50$)	0.344	95% Gamma Adjusted KM-UCL (use when $n < 50$)	0.344

Lognormal GOF Test on Detected Observations Only**Not Enough Data to Perform GOF Test****Lognormal ROS Statistics Using Imputed Non-Detects**

Mean in Original Scale	0.487	Mean in Log Scale	-1.017
SD in Original Scale	0.427	SD in Log Scale	0.776
95% t UCL (assumes normality of ROS data)	0.555	95% Percentile Bootstrap UCL	0.556
95% BCA Bootstrap UCL	0.56	95% Bootstrap t UCL	0.569
95% H-UCL (Log ROS)	0.568		

Statistics using KM estimates on Logged Data and Assuming Lognormal Distribution

KM Mean (logged)	-1.345	KM Geo Mean	0.261
KM SD (logged)	0.305	95% Critical H Value (KM-Log)	1.738
KM Standard Error of Mean (logged)	0.0411	95% H-UCL (KM -Log)	0.287
KM SD (logged)	0.305	95% Critical H Value (KM-Log)	1.738
KM Standard Error of Mean (logged)	0.0411		

DL/2 Statistics

DL/2 Normal		DL/2 Log-Transformed	
Mean in Original Scale	0.288	Mean in Log Scale	-1.357
SD in Original Scale	0.298	SD in Log Scale	0.321
95% t UCL (Assumes normality)	0.335	95% H-Stat UCL	0.286

DL/2 is not a recommended method, provided for comparisons and historical reasons

Nonparametric Distribution Free UCL Statistics

Data do not follow a Discernible Distribution at 5% Significance Level

Suggested UCL to Use

95% KM (t) UCL	0.356	KM H-UCL	0.287
95% KM (BCA) UCL	N/A		

Warning: One or more Recommended UCL(s) not available!

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

Recommendations are based upon data size, data distribution, and skewness.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

UCL Statistics for Uncensored Full Data Sets

User Selected Options	
Date/Time of Computation	ProUCL 5.112/15/2016 1:46:59 PM
From File	Bkg Metals Evaluation Data_c.xls
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

Barium

General Statistics

Total Number of Observations	110	Number of Distinct Observations	82
		Number of Missing Observations	0
Minimum	34.5	Mean	165.7
Maximum	287	Median	166
SD	53.81	Std. Error of Mean	5.131
Coefficient of Variation	0.325	Skewness	-0.229

Normal GOF Test

Shapiro Wilk Test Statistic	0.974
5% Shapiro Wilk P Value	0.223
Lilliefors Test Statistic	0.0612
5% Lilliefors Critical Value	0.0848

Shapiro Wilk GOF Test

Data appear Normal at 5% Significance Level

Lilliefors GOF Test

Data appear Normal at 5% Significance Level

Data appear Normal at 5% Significance Level

Assuming Normal Distribution

95% Normal UCL

95% Student's-t UCL	174.2
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95% UCLs (Adjusted for Skewness)

95% Adjusted-CLT UCL (Chen-1995)	174
95% Modified-t UCL (Johnson-1978)	174.2

Gamma GOF Test

A-D Test Statistic	1.39
5% A-D Critical Value	0.753
K-S Test Statistic	0.0955
5% K-S Critical Value	0.0869

Anderson-Darling Gamma GOF Test

Data Not Gamma Distributed at 5% Significance Level

Kolmogorov-Smirnov Gamma GOF Test

Data Not Gamma Distributed at 5% Significance Level

Data Not Gamma Distributed at 5% Significance Level

Gamma Statistics			
k hat (MLE)	7.747	k star (bias corrected MLE)	7.542
Theta hat (MLE)	21.39	Theta star (bias corrected MLE)	21.97
nu hat (MLE)	1704	nu star (bias corrected)	1659
MLE Mean (bias corrected)	165.7	MLE Sd (bias corrected)	60.34
		Approximate Chi Square Value (0.05)	1566
Adjusted Level of Significance	0.0478	Adjusted Chi Square Value	1564

Assuming Gamma Distribution			
95% Approximate Gamma UCL (use when n>=50))	175.6	95% Adjusted Gamma UCL (use when n<50)	175.8

Lognormal GOF Test		Shapiro Wilk Lognormal GOF Test	
Shapiro Wilk Test Statistic	0.906	Data Not Lognormal at 5% Significance Level	
5% Shapiro Wilk P Value	3.5234E-9	Lilliefors Lognormal GOF Test	
Lilliefors Test Statistic	0.109	Data Not Lognormal at 5% Significance Level	
5% Lilliefors Critical Value	0.0848		

Data Not Lognormal at 5% Significance Level

Lognormal Statistics			
Minimum of Logged Data	3.541	Mean of logged Data	5.044
Maximum of Logged Data	5.659	SD of logged Data	0.394

Assuming Lognormal Distribution			
95% H-UCL	179.3	90% Chebyshev (MVUE) UCL	187.1
95% Chebyshev (MVUE) UCL	195.9	97.5% Chebyshev (MVUE) UCL	208.2
99% Chebyshev (MVUE) UCL	232.3		

Nonparametric Distribution Free UCL Statistics

Data appear to follow a Discernible Distribution at 5% Significance Level

Nonparametric Distribution Free UCLs			
95% CLT UCL	174.2	95% Jackknife UCL	174.2
95% Standard Bootstrap UCL	174.2	95% Bootstrap-t UCL	174
95% Hall's Bootstrap UCL	174.2	95% Percentile Bootstrap UCL	174
95% BCA Bootstrap UCL	174.1		
90% Chebyshev(Mean, Sd) UCL	181.1	95% Chebyshev(Mean, Sd) UCL	188.1
97.5% Chebyshev(Mean, Sd) UCL	197.8	99% Chebyshev(Mean, Sd) UCL	216.8

Suggested UCL to Use

95% Student's-t UCL 174.2

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

Recommendations are based upon data size, data distribution, and skewness.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

Note: For highly negatively-skewed data, confidence limits (e.g., Chen, Johnson, Lognormal, and Gamma) may not be reliable. Chen's and Johnson's methods provide adjustments for positively skewed data sets.

Chromium

General Statistics			
Total Number of Observations	110	Number of Distinct Observations	95

		Number of Missing Observations	0
Minimum	5.2	Mean	27.12
Maximum	157	Median	26.8
SD	15.77	Std. Error of Mean	1.504
Coefficient of Variation	0.582	Skewness	5.337
Normal GOF Test			
Shapiro Wilk Test Statistic	0.631	Shapiro Wilk GOF Test	
5% Shapiro Wilk P Value	0	Data Not Normal at 5% Significance Level	
Lilliefors Test Statistic	0.239	Lilliefors GOF Test	
5% Lilliefors Critical Value	0.0848	Data Not Normal at 5% Significance Level	
Data Not Normal at 5% Significance Level			
Assuming Normal Distribution			
95% Normal UCL		95% UCLs (Adjusted for Skewness)	
95% Student's-t UCL	29.62	95% Adjusted-CLT UCL (Chen-1995)	30.42
		95% Modified-t UCL (Johnson-1978)	29.75
Gamma GOF Test			
A-D Test Statistic	3.07	Anderson-Darling Gamma GOF Test	
5% A-D Critical Value	0.755	Data Not Gamma Distributed at 5% Significance Level	
K-S Test Statistic	0.163	Kolmogorov-Smirnov Gamma GOF Test	
5% K-S Critical Value	0.087	Data Not Gamma Distributed at 5% Significance Level	
Data Not Gamma Distributed at 5% Significance Level			
Gamma Statistics			
k hat (MLE)	4.794	k star (bias corrected MLE)	4.669
Theta hat (MLE)	5.658	Theta star (bias corrected MLE)	5.809
nu hat (MLE)	1055	nu star (bias corrected)	1027
MLE Mean (bias corrected)	27.12	MLE Sd (bias corrected)	12.55
		Approximate Chi Square Value (0.05)	953.8
Adjusted Level of Significance	0.0478	Adjusted Chi Square Value	952.9
Assuming Gamma Distribution			
95% Approximate Gamma UCL (use when n>=50))	29.21	95% Adjusted Gamma UCL (use when n<50)	29.24
Lognormal GOF Test			
Shapiro Wilk Test Statistic	0.908	Shapiro Wilk Lognormal GOF Test	
5% Shapiro Wilk P Value	7.4415E-9	Data Not Lognormal at 5% Significance Level	
Lilliefors Test Statistic	0.152	Lilliefors Lognormal GOF Test	
5% Lilliefors Critical Value	0.0848	Data Not Lognormal at 5% Significance Level	
Data Not Lognormal at 5% Significance Level			
Lognormal Statistics			
Minimum of Logged Data	1.649	Mean of logged Data	3.193
Maximum of Logged Data	5.056	SD of logged Data	0.468
Assuming Lognormal Distribution			
95% H-UCL	29.47	90% Chebyshev (MVUE) UCL	30.95
95% Chebyshev (MVUE) UCL	32.68	97.5% Chebyshev (MVUE) UCL	35.08
99% Chebyshev (MVUE) UCL	39.78		
Nonparametric Distribution Free UCL Statistics			
Data do not follow a Discernible Distribution (0.05)			

Nonparametric Distribution Free UCLs

95% CLT UCL	29.6	95% Jackknife UCL	29.62
95% Standard Bootstrap UCL	29.64	95% Bootstrap-t UCL	30.9
95% Hall's Bootstrap UCL	42.01	95% Percentile Bootstrap UCL	29.89
95% BCA Bootstrap UCL	30.51		
90% Chebyshev(Mean, Sd) UCL	31.64	95% Chebyshev(Mean, Sd) UCL	33.68
97.5% Chebyshev(Mean, Sd) UCL	36.52	99% Chebyshev(Mean, Sd) UCL	42.09

Suggested UCL to Use

95% Student's-t UCL	29.62	or 95% Modified-t UCL	29.75
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Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

Recommendations are based upon data size, data distribution, and skewness.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

Cobalt**General Statistics**

Total Number of Observations	110	Number of Distinct Observations	82
		Number of Missing Observations	0
Minimum	1.1	Mean	14.24
Maximum	22.6	Median	14.25
SD	4.446	Std. Error of Mean	0.424
Coefficient of Variation	0.312	Skewness	-0.39

Normal GOF Test

Shapiro Wilk Test Statistic	0.966
5% Shapiro Wilk P Value	0.0502
Lilliefors Test Statistic	0.0724
5% Lilliefors Critical Value	0.0848

Shapiro Wilk GOF Test

Data appear Normal at 5% Significance Level

Lilliefors GOF Test

Data appear Normal at 5% Significance Level

Data appear Normal at 5% Significance Level

Assuming Normal Distribution**95% Normal UCL**

95% Student's-t UCL

14.94

95% UCLs (Adjusted for Skewness)

95% Adjusted-CLT UCL (Chen-1995)

14.92

95% Modified-t UCL (Johnson-1978)

14.94

Gamma GOF Test

A-D Test Statistic	1.843
5% A-D Critical Value	0.753
K-S Test Statistic	0.0914
5% K-S Critical Value	0.0869

Anderson-Darling Gamma GOF Test

Data Not Gamma Distributed at 5% Significance Level

Kolmogorov-Smirnov Gamma GOF Test

Data Not Gamma Distributed at 5% Significance Level

Data Not Gamma Distributed at 5% Significance Level

Gamma Statistics

k hat (MLE)	7.626	k star (bias corrected MLE)	7.424
Theta hat (MLE)	1.867	Theta star (bias corrected MLE)	1.918
nu hat (MLE)	1678	nu star (bias corrected)	1633
MLE Mean (bias corrected)	14.24	MLE Sd (bias corrected)	5.225
		Approximate Chi Square Value (0.05)	1540
Adjusted Level of Significance	0.0478	Adjusted Chi Square Value	1539

Assuming Gamma Distribution

95% Approximate Gamma UCL (use when $n \geq 50$)	15.09	95% Adjusted Gamma UCL (use when $n < 50$)	15.11
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Lognormal GOF Test

Shapiro Wilk Test Statistic	0.838	Shapiro Wilk Lognormal GOF Test	
5% Shapiro Wilk P Value	0	Data Not Lognormal at 5% Significance Level	
Lilliefors Test Statistic	0.121	Lilliefors Lognormal GOF Test	
5% Lilliefors Critical Value	0.0848	Data Not Lognormal at 5% Significance Level	

Data Not Lognormal at 5% Significance Level

Lognormal Statistics

Minimum of Logged Data	0.0953	Mean of logged Data	2.589
Maximum of Logged Data	3.118	SD of logged Data	0.418

Assuming Lognormal Distribution

95% H-UCL	15.61	90% Chebyshev (MVUE) UCL	16.32
95% Chebyshev (MVUE) UCL	17.13	97.5% Chebyshev (MVUE) UCL	18.27
99% Chebyshev (MVUE) UCL	20.49		

Nonparametric Distribution Free UCL Statistics

Data appear to follow a Discernible Distribution at 5% Significance Level

Nonparametric Distribution Free UCLs

95% CLT UCL	14.93	95% Jackknife UCL	14.94
95% Standard Bootstrap UCL	14.92	95% Bootstrap-t UCL	14.94
95% Hall's Bootstrap UCL	14.93	95% Percentile Bootstrap UCL	14.91
95% BCA Bootstrap UCL	14.87		
90% Chebyshev(Mean, Sd) UCL	15.51	95% Chebyshev(Mean, Sd) UCL	16.08
97.5% Chebyshev(Mean, Sd) UCL	16.88	99% Chebyshev(Mean, Sd) UCL	18.45

Suggested UCL to Use

95% Student's-t UCL	14.94
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Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

Recommendations are based upon data size, data distribution, and skewness.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

Note: For highly negatively-skewed data, confidence limits (e.g., Chen, Johnson, Lognormal, and Gamma) may not be reliable. Chen's and Johnson's methods provide adjustments for positively skewed data sets.

Copper

General Statistics

Total Number of Observations	110	Number of Distinct Observations	99
		Number of Missing Observations	0
Minimum	6.8	Mean	123.8
Maximum	6740	Median	30.6
SD	667.2	Std. Error of Mean	63.62
Coefficient of Variation	5.389	Skewness	9.315

Normal GOF Test

Shapiro Wilk Test Statistic	0.165	Shapiro Wilk GOF Test	
5% Shapiro Wilk P Value	0	Data Not Normal at 5% Significance Level	
Lilliefors Test Statistic	0.445	Lilliefors GOF Test	
5% Lilliefors Critical Value	0.0848	Data Not Normal at 5% Significance Level	
Data Not Normal at 5% Significance Level			
Assuming Normal Distribution			
95% Normal UCL		95% UCLs (Adjusted for Skewness)	
95% Student's-t UCL	229.3	95% Adjusted-CLT UCL (Chen-1995)	288.8
		95% Modified-t UCL (Johnson-1978)	238.8
Gamma GOF Test			
A-D Test Statistic	24.71	Anderson-Darling Gamma GOF Test	
5% A-D Critical Value	0.82	Data Not Gamma Distributed at 5% Significance Level	
K-S Test Statistic	0.419	Kolmogorov-Smirnov Gamma GOF Test	
5% K-S Critical Value	0.0919	Data Not Gamma Distributed at 5% Significance Level	
Data Not Gamma Distributed at 5% Significance Level			
Gamma Statistics			
k hat (MLE)	0.496	k star (bias corrected MLE)	0.489
Theta hat (MLE)	249.5	Theta star (bias corrected MLE)	253.3
nu hat (MLE)	109.2	nu star (bias corrected)	107.5
MLE Mean (bias corrected)	123.8	MLE Sd (bias corrected)	177.1
		Approximate Chi Square Value (0.05)	84.59
Adjusted Level of Significance	0.0478	Adjusted Chi Square Value	84.32
Assuming Gamma Distribution			
95% Approximate Gamma UCL (use when n>=50))	157.4	95% Adjusted Gamma UCL (use when n<50)	157.9
Lognormal GOF Test			
Shapiro Wilk Test Statistic	0.723	Shapiro Wilk Lognormal GOF Test	
5% Shapiro Wilk P Value	0	Data Not Lognormal at 5% Significance Level	
Lilliefors Test Statistic	0.252	Lilliefors Lognormal GOF Test	
5% Lilliefors Critical Value	0.0848	Data Not Lognormal at 5% Significance Level	
Data Not Lognormal at 5% Significance Level			
Lognormal Statistics			
Minimum of Logged Data	1.917	Mean of logged Data	3.537
Maximum of Logged Data	8.816	SD of logged Data	0.922
Assuming Lognormal Distribution			
95% H-UCL	63.54	90% Chebyshev (MVUE) UCL	68.5
95% Chebyshev (MVUE) UCL	75.84	97.5% Chebyshev (MVUE) UCL	86.02
99% Chebyshev (MVUE) UCL	106		
Nonparametric Distribution Free UCL Statistics			
Data do not follow a Discernible Distribution (0.05)			
Nonparametric Distribution Free UCLs			
95% CLT UCL	228.4	95% Jackknife UCL	229.3
95% Standard Bootstrap UCL	226.2	95% Bootstrap-t UCL	991.2
95% Hall's Bootstrap UCL	713.5	95% Percentile Bootstrap UCL	247.4
95% BCA Bootstrap UCL	338.9		
90% Chebyshev(Mean, Sd) UCL	314.6	95% Chebyshev(Mean, Sd) UCL	401.1

97.5% Chebyshev(Mean, Sd) UCL

521.1

99% Chebyshev(Mean, Sd) UCL

756.8

Suggested UCL to Use

95% Chebyshev (Mean, Sd) UCL

401.1

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

Recommendations are based upon data size, data distribution, and skewness.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

Nickel

General Statistics

Total Number of Observations	110	Number of Distinct Observations	92
		Number of Missing Observations	0
Minimum	2.3	Mean	18.46
Maximum	47.1	Median	18.65
SD	6.513	Std. Error of Mean	0.621
Coefficient of Variation	0.353	Skewness	0.531

Normal GOF Test

Shapiro Wilk Test Statistic	0.977	Shapiro Wilk GOF Test
5% Shapiro Wilk P Value	0.331	Data appear Normal at 5% Significance Level
Lilliefors Test Statistic	0.0509	Lilliefors GOF Test
5% Lilliefors Critical Value	0.0848	Data appear Normal at 5% Significance Level

Data appear Normal at 5% Significance Level

Assuming Normal Distribution**95% Normal UCL**

95% Student's-t UCL

19.49

95% UCLs (Adjusted for Skewness)

95% Adjusted-CLT UCL (Chen-1995)	19.52
95% Modified-t UCL (Johnson-1978)	19.5

Gamma GOF Test

A-D Test Statistic	1.223	Anderson-Darling Gamma GOF Test
5% A-D Critical Value	0.754	Data Not Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.0979	Kolmogorov-Smirnov Gamma GOF Test
5% K-S Critical Value	0.0869	Data Not Gamma Distributed at 5% Significance Level

Data Not Gamma Distributed at 5% Significance Level

Gamma Statistics

k hat (MLE)	6.974	k star (bias corrected MLE)	6.79
Theta hat (MLE)	2.648	Theta star (bias corrected MLE)	2.719
nu hat (MLE)	1534	nu star (bias corrected)	1494
MLE Mean (bias corrected)	18.46	MLE Sd (bias corrected)	7.086
		Approximate Chi Square Value (0.05)	1405
Adjusted Level of Significance	0.0478	Adjusted Chi Square Value	1404

Assuming Gamma Distribution

95% Approximate Gamma UCL (use when n>=50))	19.63	95% Adjusted Gamma UCL (use when n<50)	19.65
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Lognormal GOF Test

Shapiro Wilk Test Statistic	0.92	Shapiro Wilk Lognormal GOF Test
5% Shapiro Wilk P Value	3.1724E-7	Data Not Lognormal at 5% Significance Level

Lilliefors Test Statistic	0.122	Lilliefors Lognormal GOF Test
5% Lilliefors Critical Value	0.0848	Data Not Lognormal at 5% Significance Level

Data Not Lognormal at 5% Significance Level

Lognormal Statistics

Minimum of Logged Data	0.833	Mean of logged Data	2.842
Maximum of Logged Data	3.852	SD of logged Data	0.418

Assuming Lognormal Distribution

95% H-UCL	20.11	90% Chebyshev (MVUE) UCL	21.03
95% Chebyshev (MVUE) UCL	22.09	97.5% Chebyshev (MVUE) UCL	23.55
99% Chebyshev (MVUE) UCL	26.42		

Nonparametric Distribution Free UCL Statistics

Data appear to follow a Discernible Distribution at 5% Significance Level

Nonparametric Distribution Free UCLs

95% CLT UCL	19.49	95% Jackknife UCL	19.49
95% Standard Bootstrap UCL	19.47	95% Bootstrap-t UCL	19.53
95% Hall's Bootstrap UCL	19.62	95% Percentile Bootstrap UCL	19.48
95% BCA Bootstrap UCL	19.53		
90% Chebyshev(Mean, Sd) UCL	20.33	95% Chebyshev(Mean, Sd) UCL	21.17
97.5% Chebyshev(Mean, Sd) UCL	22.34	99% Chebyshev(Mean, Sd) UCL	24.64

Suggested UCL to Use

95% Student's-t UCL 19.49

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

Recommendations are based upon data size, data distribution, and skewness.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

Vanadium

General Statistics

Total Number of Observations	110	Number of Distinct Observations	100
		Number of Missing Observations	0
Minimum	11.3	Mean	55.26
Maximum	83.8	Median	56.5
SD	14.18	Std. Error of Mean	1.352
Coefficient of Variation	0.257	Skewness	-0.407

Normal GOF Test

Shapiro Wilk Test Statistic	0.97	Shapiro Wilk GOF Test
5% Shapiro Wilk P Value	0.106	Data appear Normal at 5% Significance Level
Lilliefors Test Statistic	0.0878	Lilliefors GOF Test
5% Lilliefors Critical Value	0.0848	Data Not Normal at 5% Significance Level

Data appear Approximate Normal at 5% Significance Level

Assuming Normal Distribution

95% Normal UCL		95% UCLs (Adjusted for Skewness)	
95% Student's-t UCL	57.5	95% Adjusted-CLT UCL (Chen-1995)	57.43
		95% Modified-t UCL (Johnson-1978)	57.49

Gamma GOF Test

A-D Test Statistic	1.389	Anderson-Darling Gamma GOF Test
5% A-D Critical Value	0.751	Data Not Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.099	Kolmogorov-Smirnov Gamma GOF Test
5% K-S Critical Value	0.0868	Data Not Gamma Distributed at 5% Significance Level

Data Not Gamma Distributed at 5% Significance Level

Gamma Statistics

k hat (MLE)	12.59	k star (bias corrected MLE)	12.25
Theta hat (MLE)	4.389	Theta star (bias corrected MLE)	4.51
nu hat (MLE)	2770	nu star (bias corrected)	2696
MLE Mean (bias corrected)	55.26	MLE Sd (bias corrected)	15.79
		Approximate Chi Square Value (0.05)	2576
Adjusted Level of Significance	0.0478	Adjusted Chi Square Value	2575

Assuming Gamma Distribution

95% Approximate Gamma UCL (use when n>=50))	57.82	95% Adjusted Gamma UCL (use when n<50)	57.86
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Lognormal GOF Test

Shapiro Wilk Test Statistic	0.896	Shapiro Wilk Lognormal GOF Test
5% Shapiro Wilk P Value	1.718E-10	Data Not Lognormal at 5% Significance Level
Lilliefors Test Statistic	0.0995	Lilliefors Lognormal GOF Test
5% Lilliefors Critical Value	0.0848	Data Not Lognormal at 5% Significance Level

Data Not Lognormal at 5% Significance Level

Lognormal Statistics

Minimum of Logged Data	2.425	Mean of logged Data	3.972
Maximum of Logged Data	4.428	SD of logged Data	0.306

Assuming Lognormal Distribution

95% H-UCL	58.54	90% Chebyshev (MVUE) UCL	60.58
95% Chebyshev (MVUE) UCL	62.83	97.5% Chebyshev (MVUE) UCL	65.96
99% Chebyshev (MVUE) UCL	72.1		

Nonparametric Distribution Free UCL Statistics

Data appear to follow a Discernible Distribution at 5% Significance Level

Nonparametric Distribution Free UCLs

95% CLT UCL	57.48	95% Jackknife UCL	57.5
95% Standard Bootstrap UCL	57.53	95% Bootstrap-t UCL	57.49
95% Hall's Bootstrap UCL	57.43	95% Percentile Bootstrap UCL	57.5
95% BCA Bootstrap UCL	57.42		
90% Chebyshev(Mean, Sd) UCL	59.31	95% Chebyshev(Mean, Sd) UCL	61.15
97.5% Chebyshev(Mean, Sd) UCL	63.7	99% Chebyshev(Mean, Sd) UCL	68.71

Suggested UCL to Use

95% Student's-t UCL	57.5
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When a data set follows an approximate (e.g., normal) distribution passing one of the GOF test

When applicable, it is suggested to use a UCL based upon a distribution (e.g., gamma) passing both GOF tests in ProUCL

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

Recommendations are based upon data size, data distribution, and skewness.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).
However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

Note: For highly negatively-skewed data, confidence limits (e.g., Chen, Johnson, Lognormal, and Gamma) may not be reliable. Chen's and Johnson's methods provide adjustments for positively skewed data sets.

Zinc			
General Statistics			
Total Number of Observations	110	Number of Distinct Observations	102
		Number of Missing Observations	0
Minimum	21.7	Mean	317.1
Maximum	6920	Median	69.05
SD	1088	Std. Error of Mean	103.7
Coefficient of Variation	3.431	Skewness	5.159
Normal GOF Test			
Shapiro Wilk Test Statistic	0.272	Shapiro Wilk GOF Test	
5% Shapiro Wilk P Value	0	Data Not Normal at 5% Significance Level	
Lilliefors Test Statistic	0.448	Lilliefors GOF Test	
5% Lilliefors Critical Value	0.0848	Data Not Normal at 5% Significance Level	
Data Not Normal at 5% Significance Level			
Assuming Normal Distribution			
95% Normal UCL		95% UCLs (Adjusted for Skewness)	
95% Student's-t UCL	489.2	95% Adjusted-CLT UCL (Chen-1995)	542.3
		95% Modified-t UCL (Johnson-1978)	497.7
Gamma GOF Test			
A-D Test Statistic	24.91	Anderson-Darling Gamma GOF Test	
5% A-D Critical Value	0.819	Data Not Gamma Distributed at 5% Significance Level	
K-S Test Statistic	0.412	Kolmogorov-Smirnov Gamma GOF Test	
5% K-S Critical Value	0.0919	Data Not Gamma Distributed at 5% Significance Level	
Data Not Gamma Distributed at 5% Significance Level			
Gamma Statistics			
k hat (MLE)	0.498	k star (bias corrected MLE)	0.491
Theta hat (MLE)	636.3	Theta star (bias corrected MLE)	646.1
nu hat (MLE)	109.6	nu star (bias corrected)	108
MLE Mean (bias corrected)	317.1	MLE Sd (bias corrected)	452.6
		Approximate Chi Square Value (0.05)	85
Adjusted Level of Significance	0.0478	Adjusted Chi Square Value	84.73
Assuming Gamma Distribution			
95% Approximate Gamma UCL (use when n>=50))	402.9	95% Adjusted Gamma UCL (use when n<50)	404.1
Lognormal GOF Test			
Shapiro Wilk Test Statistic	0.656	Shapiro Wilk Lognormal GOF Test	
5% Shapiro Wilk P Value	0	Data Not Lognormal at 5% Significance Level	
Lilliefors Test Statistic	0.313	Lilliefors Lognormal GOF Test	
5% Lilliefors Critical Value	0.0848	Data Not Lognormal at 5% Significance Level	
Data Not Lognormal at 5% Significance Level			

Lognormal Statistics

Minimum of Logged Data	3.077	Mean of logged Data	4.484
Maximum of Logged Data	8.842	SD of logged Data	1.058

Assuming Lognormal Distribution

95% H-UCL	195.3	90% Chebyshev (MVUE) UCL	210.9
95% Chebyshev (MVUE) UCL	236.7	97.5% Chebyshev (MVUE) UCL	272.5
99% Chebyshev (MVUE) UCL	342.9		

Nonparametric Distribution Free UCL Statistics

Data do not follow a Discernible Distribution (0.05)

Nonparametric Distribution Free UCLs

95% CLT UCL	487.8	95% Jackknife UCL	489.2
95% Standard Bootstrap UCL	489.1	95% Bootstrap-t UCL	592.1
95% Hall's Bootstrap UCL	477.5	95% Percentile Bootstrap UCL	491.2
95% BCA Bootstrap UCL	541.2		
90% Chebyshev(Mean, Sd) UCL	628.4	95% Chebyshev(Mean, Sd) UCL	769.3
97.5% Chebyshev(Mean, Sd) UCL	965	99% Chebyshev(Mean, Sd) UCL	1349

Suggested UCL to Use

95% Chebyshev (Mean, Sd) UCL 769.3

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

Recommendations are based upon data size, data distribution, and skewness.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

Cr6**General Statistics**

Total Number of Observations	13	Number of Distinct Observations	6
Number of Detects	5	Number of Non-Detects	8
Number of Distinct Detects	4	Number of Distinct Non-Detects	2
Minimum Detect	960	Minimum Non-Detect	200
Maximum Detect	2800	Maximum Non-Detect	400
Variance Detects	582520	Percent Non-Detects	61.54%
Mean Detects	1452	SD Detects	763.2
Median Detects	1100	CV Detects	0.526
Skewness Detects	2.099	Kurtosis Detects	4.494
Mean of Logged Detects	7.196	SD of Logged Detects	0.428

Normal GOF Test on Detects Only

Shapiro Wilk Test Statistic	0.693	Shapiro Wilk GOF Test
5% Shapiro Wilk Critical Value	0.762	Detected Data Not Normal at 5% Significance Level
Lilliefors Test Statistic	0.379	Lilliefors GOF Test
5% Lilliefors Critical Value	0.343	Detected Data Not Normal at 5% Significance Level

Detected Data Not Normal at 5% Significance Level

Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs

KM Mean	681.5	KM Standard Error of Mean	230
KM SD	741.8	95% KM (BCA) UCL	N/A
95% KM (t) UCL	1091	95% KM (Percentile Bootstrap) UCL	N/A
95% KM (z) UCL	1060	95% KM Bootstrap t UCL	N/A

90% KM Chebyshev UCL	1372	95% KM Chebyshev UCL	1684
97.5% KM Chebyshev UCL	2118	99% KM Chebyshev UCL	2970

Gamma GOF Tests on Detected Observations Only

A-D Test Statistic	0.768	Anderson-Darling GOF Test	
5% A-D Critical Value	0.68	Detected Data Not Gamma Distributed at 5% Significance Level	
K-S Test Statistic	0.352	Kolmogorov-Smirnov GOF	
5% K-S Critical Value	0.358	Detected data appear Gamma Distributed at 5% Significance Level	

Detected data follow Appr. Gamma Distribution at 5% Significance Level

Gamma Statistics on Detected Data Only

k hat (MLE)	6.073	k star (bias corrected MLE)	2.563
Theta hat (MLE)	239.1	Theta star (bias corrected MLE)	566.6
nu hat (MLE)	60.73	nu star (bias corrected)	25.63
Mean (detects)	1452		

Gamma ROS Statistics using Imputed Non-Detects

GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs

GROS may not be used when kstar of detects is small such as <1.0, especially when the sample size is small (e.g., <15-20)

For such situations, GROS method may yield incorrect values of UCLs and BTVs

This is especially true when the sample size is small.

For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates

Minimum	0.01	Mean	574.4
Maximum	2800	Median	0.01
SD	847.8	CV	1.476
k hat (MLE)	0.138	k star (bias corrected MLE)	0.157
Theta hat (MLE)	4174	Theta star (bias corrected MLE)	3655
nu hat (MLE)	3.578	nu star (bias corrected)	4.085
Adjusted Level of Significance (β)	0.0301		
Approximate Chi Square Value (4.09, α)	0.756	Adjusted Chi Square Value (4.09, β)	0.579
95% Gamma Approximate UCL (use when $n \geq 50$)	3105	95% Gamma Adjusted UCL (use when $n < 50$)	4049

Estimates of Gamma Parameters using KM Estimates

Mean (KM)	681.5	SD (KM)	741.8
Variance (KM)	550244	SE of Mean (KM)	230
k hat (KM)	0.844	k star (KM)	0.701
nu hat (KM)	21.95	nu star (KM)	18.22
theta hat (KM)	807.4	theta star (KM)	972.7
80% gamma percentile (KM)	1120	90% gamma percentile (KM)	1710
95% gamma percentile (KM)	2319	99% gamma percentile (KM)	3772

Gamma Kaplan-Meier (KM) Statistics

Approximate Chi Square Value (18.22, α)	9.548	Adjusted Chi Square Value (18.22, β)	8.666
95% Gamma Approximate KM-UCL (use when $n \geq 50$)	1300	95% Gamma Adjusted KM-UCL (use when $n < 50$)	1433

Lognormal GOF Test on Detected Observations Only

Shapiro Wilk Test Statistic	0.771	Shapiro Wilk GOF Test	
5% Shapiro Wilk Critical Value	0.762	Detected Data appear Lognormal at 5% Significance Level	
Lilliefors Test Statistic	0.324	Lilliefors GOF Test	
5% Lilliefors Critical Value	0.343	Detected Data appear Lognormal at 5% Significance Level	

Detected Data appear Lognormal at 5% Significance Level

Lognormal ROS Statistics Using Imputed Non-Detects

Mean in Original Scale	777.3	Mean in Log Scale	6.327
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SD in Original Scale	718.3	SD in Log Scale	0.837
95% t UCL (assumes normality of ROS data)	1132	95% Percentile Bootstrap UCL	1115
95% BCA Bootstrap UCL	1243	95% Bootstrap t UCL	1387
95% H-UCL (Log ROS)	1481		

Statistics using KM estimates on Logged Data and Assuming Lognormal Distribution

KM Mean (logged)	6.028	KM Geo Mean	415
KM SD (logged)	0.953	95% Critical H Value (KM-Log)	2.768
KM Standard Error of Mean (logged)	0.296	95% H-UCL (KM -Log)	1400
KM SD (logged)	0.953	95% Critical H Value (KM-Log)	2.768
KM Standard Error of Mean (logged)	0.296		

DL/2 Statistics

DL/2 Normal		DL/2 Log-Transformed	
Mean in Original Scale	673.8	Mean in Log Scale	5.975
SD in Original Scale	777.7	SD in Log Scale	1.052
95% t UCL (Assumes normality)	1058	95% H-Stat UCL	1669

DL/2 is not a recommended method, provided for comparisons and historical reasons

Nonparametric Distribution Free UCL Statistics

Detected Data appear Approximate Gamma Distributed at 5% Significance Level

Suggested UCL to Use

95% KM Adjusted Gamma UCL	1433	95% GROS Adjusted Gamma UCL	4049
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Warning: Recommended UCL exceeds the maximum observation

When a data set follows an approximate (e.g., normal) distribution passing one of the GOF test

When applicable, it is suggested to use a UCL based upon a distribution (e.g., gamma) passing both GOF tests in ProUCL

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

Recommendations are based upon data size, data distribution, and skewness.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

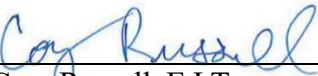
APPENDIX C

Soil Properties Summary Report

COMPUTATION COVER SHEET

Client: 4Terra Project: 777 North Front Street Burbank, CA Project No.: HR1305C

Title of Computations SOIL DRY BULK DENSITY AND POROSITY

Computations by:	Signature		2016-12-06
	Printed Name	Gauzen Alexander, E.I.T.	Date
	Title	Staff Engineer	
Peer Review by:	Signature		2016-12-06
	Printed Name	Cory Russell, E.I.T.	Date
	Title	Senior Staff Engineer	
Computations Checked by:	Signature		2016-12-06
	Printed Name	Cory Russell, E.I.T.	Date
	Title	Senior Staff Engineer	
Computations backchecked by: (originator)	Signature		2016-12-06
	Printed Name	Gauzen Alexander, E.I.T.	Date
	Title	Staff Engineer	
Approved by: (pm or designate)	Signature		2016-12-07
	Printed Name	Chris Conkle, P.E.	Date
	Title	Senior Engineer	

Approval notes: _____

Revisions (number and initial all revisions)

No.	Sheet	Date	By	Checked by	Approval
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
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_____	_____	_____	_____	_____	_____

Written by: G. Alexander Date: 12/6/2016 Reviewed by: C. Conkle Date: 12/6/2016
 Client: 4Terra Project: 777 N. Front Street Project No.: HR1305C Phase: 04
Burbank, CA

**SOIL DRY BULK DENSITY AND POROSITY
BKK CLASS I LANDFILL
WEST COVINA, CALIFORNIA**

1. INTRODUCTION

A multi-family residential development and hotel is proposed for construction at 777 North Front Street in Burbank, California (Site). Geosyntec Consultants (Geosyntec) is providing consulting services on this project including soil vapor intrusion modeling. In support of the soil vapor intrusion modeling, this calculation package presents geotechnical data, calculations, and estimates of the dry bulk density, total porosity, air filled porosity, and water filled porosity of the existing soils at the Site in the existing conditions described by the Geotechnical Report to a depth of 30 feet below ground surface (ft bgs). The geotechnical data for this calculation package are presented in a geotechnical investigation report prepared by Geocon West dated 12 February 2016 (Geotechnical Report).

2. APPROACH

2.1 Soil Layers

Two distinct soil layers are identified in the Geotechnical Report. A layer of fill materials exists from the existing site surface to approximately 14 ft bgs. Below the fill layer is a layer of alluvial soils that continued to the maximum exploration depth of 61.5 ft bgs. Based upon the boring logs and laboratory data presented in the Geotechnical Report, the soils at the site are predominantly sandy silts, silty sands, and sands with varying amounts of gravel.

2.2 Specific Gravity

A specific gravity of soil solids of 2.65 is assumed for this calculation.

2.3 Dry Unit Weight and Moisture Content

The Geotechnical Report contains dry unit weight data for 9 samples in the fill soil and 16 samples in the alluvial soil. The Geotechnical Report also contains moisture content data for 14 samples in the fill soil and 28 samples in the alluvial soil. The average dry unit weight and moisture content for the fill soil are 110 pounds per cubic foot (pcf) and 12.7% (percent by dry mass). The average dry unit weight and moisture content for the alluvial soil are approximately 117 pcf and 8.5%. See Table 1.

Written by: G. Alexander Date: 12/6/2016 Reviewed by: C. Conkle Date: 12/6/2016
 Client: 4Terra Project: 777 N. Front Street Project No.: HR1305C Phase: 04
Burbank, CA

2.4 Void Ratio and Porosity Values

Void ratio and porosity can be computed from specific gravity and dry unit weight according to the following equations [Holtz et al., 2011]:

$$\text{Equation (2)} \quad \gamma_d = \frac{\gamma_s}{1 + e} \Rightarrow e = \frac{G_s \gamma_w}{\gamma_d} - 1 \quad \text{and} \quad \text{Equation (3)} \quad n = \frac{e}{1 + e}$$

The void ratio and porosity of the cover soils were computed based upon the calculated average dry unit weights of 110 pcf and 117 pcf and the assumed specific gravity value of 2.65. The void ratio and porosity values for the fill soil calculated by this method are 0.499 and 0.333, respectively. The void ratio and porosity values for the alluvial soil calculated by this method are 0.416 and 0.294, respectively. See Table 1.

2.5 Saturation Value

The saturation value of a soil is defined as the percentage of voids occupied by water [Lambe and Whitman, 1969]:

$$\text{Equation (4)} \quad S = \frac{V_w}{V_v}$$

$$S = \text{saturation (\%)}$$

$$V_w = \text{volume of water}$$

$$V_v = \text{volume of voids}$$

Saturation can also be computed from specific gravity, moisture content, and void ratio [Lambe and Whitman, 1969]

$$\text{Equation (5)} \quad S = \frac{G_s w}{e}$$

Saturation values of 67% and 54% were calculated for the fill soil and alluvial soil, respectively, using the assumed specific gravity and calculated average moisture content and void ratio. See Table 1.

2.6 Air-Filled and Water-Filled Porosity Values

Water-filled porosity is the porosity which is occupied by water, which can be calculated as:

$$n_w = Sn$$

Written by: G. Alexander Date: 12/6/2016 Reviewed by: C. Conkle Date: 12/6/2016
 Client: **4Terra** Project: **777 N. Front Street** Project No.: **HR1305C** Phase: **04**
Burbank, CA

$$n_w = \text{water filled porosity}$$

Air-filled porosity is the porosity which is occupied by air. Given the water-filled porosity, the air-filled porosity can be calculated as:

$$n_a = n - n_w$$

$$n_a = \text{air filled porosity}$$

For the fill soil, the water filled porosity is 0.224 and the air filled porosity is 0.109. For the alluvial soil, the water filled porosity is 0.159 and the air filled porosity is 0.135. See Table 1.

3. SUMMARY AND CONCLUSIONS

Values of void ratio, porosity, saturation, water filled porosity, and air filled porosity have been calculated based upon mean values of dry unit weight and moisture content as provided by the Geotechnical Report, and an assumed specific gravity for the cover soil at the Site. These values are summarized and presented in Table 1.

Table 1: Calculated Soil Properties		
	Fill Soil	Alluvial Soil
Dry Unit Weight (pcf)	110	117
Gravimetric Moisture Content (%)	12.7	8.5
Void Ratio	0.499	0.416
Porosity	0.333	0.294
Saturation (%)	67	54
Water Filled Porosity	0.224	0.159
Air Filled Porosity	0.109	0.135

Written by:	<u>G. Alexander</u>	Date:	<u>12/6/2016</u>	Reviewed by:	<u>C. Conkle</u>	Date:	<u>12/6/2016</u>
Client:	4Terra	Project:	777 N. Front Street Burbank, CA	Project No.:	HR1305C	Phase:	04

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Geocon West, Inc.; 2016. *Geotechnical Investigation: Proposed Multi-Family Residential Development and Hotel, 777 North Front Street, Burbank, California*. Project Number A9377-06-01. February 12.

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ATTACHMENTS

Attachment A: Selections from *An Introduction to Geotechnical Engineering* by Holtz et al. [2011]

Attachment B: Selections from *Soil Mechanics* by Lambe and Whitman [1969]

ATTACHMENT A

Selections from *An Introduction to Geotechnical Engineering* by Holtz et al. [2011]

AN INTRODUCTION TO GEOTECHNICAL ENGINEERING

Second Edition



Attachment A 1/10

Robert D. Holtz | William D. Kovacs | Thomas C. Sheahan

Symbol	Dimension	Unit	Definition
P_c	—	—	Phnarg coefficient
PI or I_p	—	—	Plasticity index - Eq. (2.39)
PL or w_p	—	—	Plastic limit - Eq. (2.37)
S	—	(%)	Degree of saturation - Eq. (2.4)
SL or w_s	—	(%)	Shrinkage limit
V_a	L^3	m^3	Volume of air
V_s	L^3	m^3	Volume of solids
V_t	L^3	m^3	Total volume
V_v	L^3	m^3	Volume of voids
V_w	L^3	M^3	Volume of water
W	M	kg	Weight (Sec. 2.3.1)
W'	M	kg	Submerged (net) weight (Sec. 2.3.1)
w	—	(%)	Water content - Eq. (2.5)
γ_d	$ML^{-2}T^{-2}$	kN/m^3	Dry unit weight - Eq. (2.28)
γ_m or γ_t or γ	$ML^{-2}T^{-2}$	kN/m^3	Moist or total unit weight - Eqs. (2.20), (2.30)
γ_s	$ML^{-2}T^{-2}$	kN/m^3	Solids unit weight - Eq. (2.22)
γ_{sat}	$ML^{-2}T^{-2}$	kN/m^3	Saturated unit weight - Eq. (2.33)
γ_w	$ML^{-2}T^{-2}$	kN/m^3	Water unit weight - Eq. (2.23)
γ'	$ML^{-2}T^{-2}$	kN/m^3	Buoyant unit weight - Eq. (2.34)
ρ	M/L^3	kg/m^3	Total, wet, or moist density - Eq. (2.6)
ρ'	M/L^3	kg/m^3	Buoyant density - Eq. (2.11)
ρ_d	M/L^3	kg/m^3	Dry density - Eq. (2.9)
ρ_s	M/L^3	kg/m^3	Density of solids - Eq. (2.7)
ρ_{sat}	M/L^3	kg/m^3	Saturated density - Eq. (2.10)
ρ_w	M/L^3	kg/m^3	Density of water - Eq. (2.8)

In this list, L = length, M = mass, and T = time. When densities of soils and water are expressed in kg/m^3 , the numbers are rather large. For instance, the density of water ρ_w is 1000 kg/m^3 . Since $1000 \text{ kg} = 1 \text{ Mg}$, to make the numbers more manageable, we will often use Mg/m^3 for densities. If you are unfamiliar with SI metric units and their conversion factors, it would be a good idea to read Appendix A before proceeding with the rest of this chapter.

For each of the ρ notations, there is a corresponding γ notation, which denotes unit weight, rather than density. This γ notation should be used when units of force (F) are used (for example, lb or kN) instead of units of mass. This is described further in Sec. 2.3.2.

2.2 BASIC DEFINITIONS AND PHASE RELATIONS FOR SOILS

In general, any mass of soil consists of solid particles with voids in between. The solids are small grains of different minerals, whereas the voids can be filled with either water or other fluid (for example, a contaminant) or with air (or other gas), or filled partly with some of each (Fig. 2.1). Also, as noted in the introduction, while we can have units of either mass or weight, we will assume that our problems are in mass units.

So, the total volume V_t of the soil mass consists of the volume of soil solids V_s and the volume of voids V_v . The volume of voids is in general made up of the volume of water V_w and the volume of air V_a .

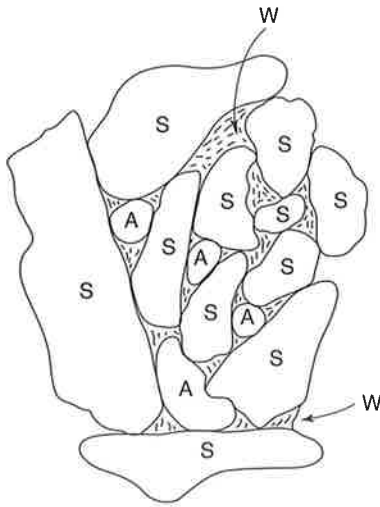


FIGURE 2.1 Soil skeleton containing solid particles (S) and voids with air (A) and water (W).

1. The *void ratio*¹ e is defined as

$$e = \frac{V_v}{V_s} \quad (2.1)$$

where V_v = volume of the voids, and

V_s = volume of the solids.

The void ratio e is normally expressed as a *decimal* rather than a *percentage*. The maximum possible range of e is between 0 and ∞ . However, typical values of void ratios for sands may range from 0.4 to about 1.0; typical values for clays vary from 0.3 to 1.5 and even higher for some organic soils.

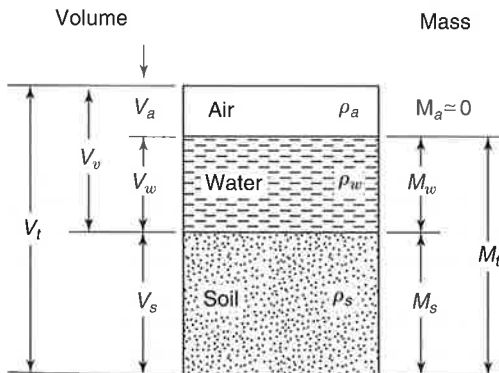


FIGURE 2.2 Volumetric and mass relationships for a soil shown in a phase diagram.

¹Readers with British backgrounds will note that the correct terminology is *voids ratio*.

2. The *porosity* n is defined as

$$n = \frac{V_v}{V_t} \times 100(\%) \quad (2.2)$$

where V_v = volume of voids, and

V_t = total volume of soil sample.

Porosity is traditionally expressed as a *percentage*. The maximum range of n is between 0 and 100%.

From Fig. 2.2 and Eqs. (2.1) and (2.2), it can be shown that

$$n = \frac{e}{1 + e} \quad (2.3a)$$

and

$$e = \frac{n}{1 - n} \quad (2.3b)$$

3. The *degree of saturation* S is defined as

$$S = \frac{V_w}{V_v} \times 100(\%) \quad (2.4)$$

The degree of saturation tells us what *percentage* of the total void space contains water. If the soil is completely dry, then $S = 0\%$, and if the pores are completely full of water, then the soil is fully saturated and $S = 100\%$.

Now let us look at the other side, the mass side, of the phase diagram in Fig. 2.2. First, we define a mass ratio that is probably the single most important thing we need to know about a soil. It is also the only strictly mass-based parameter that we'll define for phase relationships. We want to know how much water is present in the voids relative to the amount of solids in the soil, so we define a ratio called the *water content* w as

$$w = \frac{M_w}{M_s} \times 100(\%) \quad (2.5)$$

where M_w = mass of water, and

M_s = mass of soil solids.

The ratio of the amount of water present in a soil volume to the amount of soil grains is based on the *dry mass* of the soil and not on the total mass. The water content, which is usually expressed as a *percentage*, can range from zero (dry soil) to several hundred percent. The natural water content for most soils is well under 100%, although in some marine and organic soils it can range up to 500% or higher.

The water content is easily determined in the laboratory. The standard procedure is detailed in ASTM (2010) standard D 2216. A representative sample of soil is selected and its total or wet mass is determined. Then it is dried to constant mass in a convection oven at 110°C. Normally a constant mass is obtained after the sample is left in the oven overnight. The mass of the drying dish must,

of course, be subtracted from both the wet and dry masses. Then the water content is calculated according to Eq. (2.5). Example 2.1 illustrates how the calculations for water content are actually done in practice.

Example 2.1

Given:

A specimen of wet soil in a drying dish has a mass of 462 g. After drying in an oven at 110°C overnight, the sample and dish have a mass of 364 g. The mass of the dish alone is 39 g.

Required:

Determine the water content of the soil.

Solution: Set up the following calculation scheme; fill in the “given” or measured quantities **a**, **b**, and **d**, and make the calculations as indicated for **c**, **e**, and **f**.

- a. Mass of total (wet) sample + dish = 462 g
- b. Mass of dry sample + dish = 364 g
- c. Mass of water (**a** – **b**) = 98 g
- d. Mass of dish = 39 g
- e. Mass of dry soil (**b** – **d**) = 325 g
- f. Water content (**c/e**) × 100% = 30.2%

In the laboratory, masses are usually determined in grams (g) on an ordinary balance. The required sensitivity of the balance depends on the size of the specimen, and ASTM D 2216 gives some recommendations.

The water content may also be determined using an ordinary microwave oven. ASTM (2010) standard D 4643 explains the procedure. To avoid overheating the soil specimen, microwave energy is applied for only brief intervals and repeated until the mass becomes nearly constant. A heat sink, such as a glass beaker filled with water, helps to prevent overheating of the soil by absorbing microwave energy after water has been removed from the soil pores. Otherwise, the water content is determined exactly as indicated above. Note that the microwave water content is not a replacement for the oven dry (D 2216) water content but is used when the water content is needed quickly. Other methods sometimes used in the field for water content determination are described in Chapter 5, Sec. 5.7.

It is easy to be confused by the concepts of *mass* and *weight*. From physics, you know that the mass of an object is a measure of how much matter the object contains, while the weight of an object is determined by the gravitational force that causes its downward acceleration. Recall that weight W equals mass m times g , the acceleration due to gravity, or $W = mg$. As noted in Appendix A, when we weigh something in the laboratory, we really are determining its mass—either by comparing two masses on a balance or by using a device calibrated against objects of known mass. It is basically an English-language problem; we really should say “we massed it” when we determine the mass of an

object in the laboratory. Another very useful concept in geotechnical engineering is *density*. You know from physics that density is mass per unit volume, so its units are kg/m^3 . (See Appendix A for the corresponding units in the cgs and British engineering systems.) The density is the ratio that connects the volumetric side of the phase diagram with the mass side. Several densities are commonly used in geotechnical engineering practice. First, we define the total, wet, or moist density ρ ; the density of the particles, solid density ρ_s ; and the density of water ρ_w . Or, in terms of the basic masses and volumes of Fig. 2.2:

$$\rho = \frac{M_t}{V_t} = \frac{M_s + M_w}{V_t} \quad (2.6)$$

$$\rho_s = \frac{M_s}{V_s} \quad (2.7)$$

$$\rho_w = \frac{M_w}{V_w} \quad (2.8)$$

In natural soils, the magnitude of the total density ρ will depend on how much water happens to be in the voids as well as the density of the mineral grains themselves. Thus, ρ can range from slightly above 1000 kg/m^3 to as high as 2400 kg/m^3 (1.0 to 2.4 Mg/m^3).

Typical values of ρ_s for most soils range from 2500 to 2800 kg/m^3 (2.5 to 2.8 Mg/m^3). Most sands have ρ_s ranging between 2.6 and 2.7 Mg/m^3 . For example, a common mineral in sands is quartz; its $\rho_s = 2.65 \text{ Mg/m}^3$. Most clay soils have a value of ρ_s between 2.65 and 2.80 Mg/m^3 , depending on the predominant mineral in the soil, whereas organic soils may have a ρ_s as low as 2.5 Mg/m^3 . Consequently, for most phase problems, unless a specific value of ρ_s is given, it is usually close enough for geotechnical work to assume a ρ_s of 2.65 or 2.70 Mg/m^3 . The density of water varies slightly, depending on the temperature. At 4°C , when water is at its densest, ρ_w exactly equals 1000 kg/m^3 (1 g/cm^3), and this density is sometimes designated by the symbol ρ_o . For ordinary engineering work, it is sufficiently accurate to take $\rho_w \approx \rho_o = 1000 \text{ kg/m}^3 = 1 \text{ Mg/m}^3$.

Three other densities very useful in soils engineering are the *dry density* ρ_d , the *saturated density* ρ_{sat} , and the *submerged* or *buoyant density* ρ' or ρ_b .

$$\rho_d = \frac{M_s}{V_t} \quad (2.9)$$

$$\rho_{\text{sat}} = \frac{M_s + M_w}{V_t} (V_a = 0, S = 100\%) \quad (2.10)$$

$$\rho' = \rho_{\text{sat}} - \rho_w \quad (2.11)$$

Among other uses, the dry density ρ_d is a common basis for judging a soil's degree of compaction after we have applied some mechanical energy to it, for example by using a roller or vibratory plate (Chapter 5). The saturated density ρ_{sat} , as the name implies, is the total density of the soil when 100% of its pores are filled with water; in this special case, $\rho = \rho_{\text{sat}}$. The concept of submerged or buoyant density ρ' is often difficult for students to understand, so it is discussed later after we have done a few example problems. However, you may be familiar with this concept from studying aggregates, where a "basket" of aggregate is weighed while it is submerged under water. Typical values of ρ_d , ρ_{sat} , and ρ' for several soil types are shown in Table 2.1.

From the basic definitions provided in this section, other useful relationships can be derived, as we show in the examples in the next section.

TABLE 2.1 Some Typical Values for Different Densities of Some Common Soil Materials

Soil Type	Density (Mg/m ³)		
	ρ_{sat}	ρ_d	ρ'
Sands and gravels	1.9–2.4	1.5–2.3	0.9–1.4
Silts and clays	1.4–2.1	0.6–1.8	0.4–1.1
Glacial tills	2.1–2.4	1.7–2.3	1.1–1.4
Crushed rock	1.9–2.2	1.5–2.0	0.9–1.2
Peats	1.0–1.1	0.1–0.3	0.0–0.1
Organic silts and clays	1.3–1.8	0.5–1.5	0.3–0.8

Modified after Hansbo (1975).

2.3 SOLUTION OF PHASE PROBLEMS

Phase problems are very important in soils engineering. In this section, with the help of some numerical examples, we illustrate how most phase problems are solved. As in many disciplines, practice helps; the more problems you solve, the simpler they are and the more proficient you become. Also, with practice you soon memorize most of the important definitions and relationships, so you save time by not having to look them up.

Probably the single most important thing you can do in solving phase problems is to *draw a phase diagram*. This is especially true for the beginner. Don't spend time searching for the right formula to plug into. Instead, always draw a phase diagram and show both the given values and the unknowns of the problem. For some problems, simply doing this leads almost immediately to the solution; at least the correct approach to the problem is usually indicated. Also, you should note that there often are alternative approaches to the solution of the same problem, as illustrated in Example 2.2. The following steps are recommended to solve these problems:

1. List the information you know (from the problem narrative).
2. Draw phase diagram, fill in the knowns and the unknowns.
3. Try to avoid big formulas.
4. If no masses or volumes are given, you can assume either one volume or one mass.
5. Fill in one side of the diagram until you get stuck or completely solve it, then "cross over" to the other side using one of the ρ 's or G_s .
6. Write out equations in symbol form. Then place the numerical value along with its **units** in the same order, and solve.
7. Check units and reasonableness of your answer.

Example 2.2

Given:

$$\rho = 1.76 \text{ Mg/m}^3 \text{ (total density)}$$

$$w = 10\% \text{ (water content)}$$

$$\rho_s = 2.70 \text{ (assumed)}$$

and $M_s = \rho_s V_s$ [from Eq. (2.7)]. So

$$\rho_d = \frac{\rho_s V_s}{V_t} = \frac{\rho_s}{1 + e}, \quad \text{since } V_s = 1 \text{ m}^3 \text{ in Fig. Ex. 2.4}$$

$$= \frac{2.65 \text{ Mg}}{(1 + 0.62) \text{ m}^3} = 1.636 \text{ Mg/m}^3$$

Note: The relationship

$$\rho_d = \frac{\rho_s}{1 + e} \quad (2.12)$$

is often very useful in phase problems.

b. Now for ρ :

$$\rho = \frac{M_t}{V_t} = \frac{(M_s + M_w) \text{ Mg}}{V_t \text{ m}^3}$$

We know that

$$M_w = w M_s \text{ [from Eq. (2.5)] and } M_s = \rho_s V_s$$

$$\rho = \frac{\rho_s V_s + w \rho_s V_s}{V_t} = \frac{\rho_s (1 + w)}{1 + e}, \quad \text{since } V_s = 1 \text{ m}^3$$

Plug in the numbers.

$$\rho = \frac{2.65 \text{ Mg} (1 + 0.15)}{(1 + 0.62) \text{ m}^3} = 1.88 \text{ Mg/m}^3$$

The following relationship is often useful to know.

$$\rho = \frac{\rho_s (1 + w)}{(1 + e)} \quad (2.13)$$

Check:

$$\rho_d = \frac{\rho}{1 + w}$$

$$= \frac{1.88}{1.15} = 1.63 \text{ Mg/m}^3 \quad (2.14)$$

You should verify that $\rho_d = \rho/(1 + w)$, which is another very useful relationship to remember.

c. Water content for $S = 100\%$:

From Eq. (2.4), we know that $V_w = V_v = 0.62 \text{ m}^3$. From Eq. (2.8), $M_w = V_w \rho_w = 0.62 \text{ m}^3 \times (1 \text{ Mg/m}^3) = 0.62 \text{ Mg}$. Therefore w for $S = 100\%$ must be

$$w_{(s=100\%)} = \frac{M_w}{M_s} = \frac{0.62}{2.65} = 0.234 \text{ or } 23.4\%$$

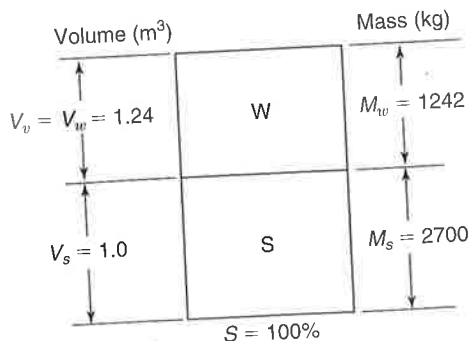


FIGURE Ex. 2.7

Assume $V_s = 1 \text{ m}^3$; therefore $M_s = V_s \rho_s = 2700 \text{ kg}$. From Eq. (2.15a), we can solve for e directly:

$$e = \frac{w \rho_s}{\rho_w S} = \frac{0.46 \times 2700 \text{ kg/m}^3}{1000 \text{ kg/m}^3 \times 1.0} = 1.242$$

But e also equals V_v , since $V_s = 1.0$; likewise $M_w = 1242 \text{ kg}$, since M_w is numerically equal to V_w , because $\rho_w = 1000 \text{ kg/m}^3$. Now that all the unknowns have been found, we may readily calculate the saturated density [Eq. (2.10)]:

$$\rho_{\text{sat}} = \frac{M_t}{V_t} = \frac{M_w + M_s}{1 + e} = \frac{(1242 + 2700) \text{ kg}}{(1 + 1.24) \text{ m}^3} = 1758 \text{ kg/m}^3$$

We could also use Eq. (2.17) directly:

$$\rho_{\text{sat}} = \frac{\rho_s + \rho_w e}{1 + e} = \frac{[2700 + 1000(1.242)] \text{ kg}}{(1 + 1.242) \text{ m}^3} = 1758 \text{ kg/m}^3$$

The buoyant density ρ' from Eq. (2.11) is:

$$\rho' = \rho_{\text{sat}} - \rho_w = 1758 \text{ kg/m}^3 - 1000 \text{ kg/m}^3 = 758 \text{ kg/m}^3$$

In this example, ρ' is less than the density of water. Go back and look at Table 2.1 for typical values of ρ' . The submerged or buoyant density of soil will be very important later on in our discussion of consolidation, settlement, and strength properties of soils.

2.3.2 Unit Weight and Specific Gravity

In geotechnical practice it is often convenient to use *unit weight* rather than density in engineering calculations. Unit weight γ is simply weight per unit volume; thus its SI units are N/m^3 , because the Newton (N) is the SI unit of force, and in British units it is typically expressed in lb/ft^3 , sometimes abbreviated pcf. Recall that the weight of an object is due to the force exerted by the earth's gravitational field, or $W = mg$, where g is the acceleration due to gravity. Then to get unit weight γ we simply divide the weight by the unit volume V , or:

$$\gamma = \frac{W}{V} = \frac{m}{V} g = \rho g \quad (2.20)$$

As noted in Appendix A, the value of g varies slightly with latitude and elevation, but for ordinary engineering purposes we usually assume it is a constant (standard $g = 9.807 \text{ m/s}^2$) for most places on the Earth.

The unit weights analogous to the densities described earlier [Eqs. (2.6), (2.7), and (2.8)] are the total, wet, or moist unit weight γ , the unit weight of solids γ_s , and the unit weight of water γ_w . In terms of the basic weights and volumes, they are

$$\gamma = \frac{W_t}{V_t} \quad (2.21)$$

$$\gamma_s = \frac{W_s}{V_s} \quad (2.22)$$

$$\gamma_w = \frac{W_w}{V_w} \quad (2.23)$$

To convert between density and unit weight, use Eq. (2.20) and $g = 9.81 \text{ m/s}^2$. If you round off g to 10 m/s^2 , the error is only 2%.

Example 2.8

Given:

The densities ρ_s , ρ_{sat} , and ρ' in Example 2.7.

Required:

Compute the equivalent unit weights, using

- SI units,
- British engineering units.

Solution:

- SI units:

From Example 2.7:

$$\begin{aligned} \rho_s &= 2700 \text{ kg/m}^3 = 2.7 \text{ Mg/m}^3 \\ \rho_{\text{sat}} &= 1758 \text{ kg/m}^3 = 1.76 \text{ Mg/m}^3 \\ \rho' &= 758 \text{ kg/m}^3 = 0.76 \text{ Mg/m}^3 \end{aligned}$$

From Eq. (2.20), $\gamma = \rho g$, we obtain:

$$\begin{aligned} \gamma_s &= 2.7 \text{ Mg/m}^3 \times 9.81 \text{ m/s}^2 = 26.5 \text{ kN/m}^3 \text{ (Note: } 1 \text{ kg} \times \text{m/s}^2 = 1 \text{ N)} \\ \gamma_{\text{sat}} &= 1.76 \text{ Mg/m}^3 \times 9.81 \text{ m/s}^2 = 17.2 \text{ kN/m}^3 \\ \gamma' &= 0.76 \text{ Mg/m}^3 \times 9.81 \text{ m/s}^2 = 7.4 \text{ kN/m}^3 \end{aligned}$$

If you use the rounded-off value of $g = 10 \text{ m/s}^2$, the values of γ_s , γ_{sat} , and γ' are, respectively, 27, 17.6, and 7.6 kN/m³. As mentioned, the difference is only about 2% and normally negligible.

ATTACHMENT B

Selections from *Soil Mechanics* by Lambe and Whitman [1969]

Soil Mechanics

T. William Lambe • Robert V. Whitman

Massachusetts Institute of Technology

1969

John Wiley & Sons, Inc.

New York

London

Sydney

Toronto

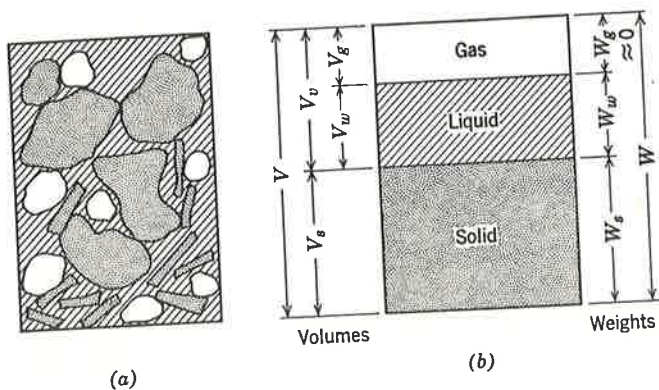


Fig. 3.1 Relationships among soil phases. (a) Element of natural soil. (b) Element separated into phases.

Volume

Porosity:

$$n = \frac{V_v}{V}$$

Void ratio:

$$e = \frac{V_v}{V_s}$$

Degree of saturation:

$$S = \frac{V_w}{V_v}$$

$$n = \frac{e}{1 + e}; \quad e = \frac{n}{1 - n}$$

Weight

Water content:

$$w = \frac{W_w}{W_s}$$

Specific Gravity

Mass:

$$G_m = \frac{\gamma_t}{\gamma_0}$$

Water:

$$G_w = \frac{\gamma_w}{\gamma_0}$$

Solids:

$$G = \frac{\gamma_s}{\gamma_0}$$

γ_0 = Unit weight of water at $4^\circ\text{C} \approx \gamma_w$

Note that $G_w = Se$

Unit Weight

Total:

$$\gamma_t = \frac{W}{V} = \frac{G + Se}{1 + e} \gamma_w = \frac{1 + w}{1 + e} G \gamma_w$$

Solids:

$$\gamma_s = \frac{W_s}{V_s}$$

Water:

$$\gamma_w = \frac{W_w}{V_w}$$

Dry:

$$\gamma_d = \frac{W_s}{V} = \frac{G}{1 + e} \gamma_w = \frac{G \gamma_w}{1 + wG/S} = \frac{\gamma_t}{1 + w}$$

Submerged (buoyant):

$$\gamma_b = \gamma_t - \gamma_w = \frac{G - 1 - e(1 - S)}{1 + e} \gamma_w$$

Submerged (saturated soil):

$$\gamma_b = \gamma_t - \gamma_w = \frac{G - 1}{1 + e} \gamma_w$$

Specific gravity is the unit weight divided by the unit weight of water. Values of specific gravity of solids G for a selected group of minerals³ are given in Table 3.1.

Table 3.1 Specific Gravities of Minerals

Quartz	2.65
K-Feldspars	2.54–2.57
Na–Ca–Feldspars	2.62–2.76
Calcite	2.72
Dolomite	2.85
Muscovite	2.7–3.1
Biotite	2.8–3.2
Chlorite	2.6–2.9
Pyrophyllite	2.84
Serpentine	2.2–2.7
Kaolinite	2.61 ^a
	2.64 ± 0.02
Halloysite (2 H ₂ O)	2.55
Illite	2.84 ^a
	2.60–2.86
Montmorillonite	2.74 ^a
	2.75–2.78
Attapulgite	2.30

^a Calculated from crystal structure.

The expression $G_w = Se$ is useful to check computations of the various relationships.

The student in soil mechanics must understand the meanings of the relationships in Fig. 3.1, convince himself once and for all that they are correct, and add these terms to his active vocabulary. These relationships are basic to most computations in soil mechanics and thus are an essential part of soil mechanics.

Typical Values of Phase Relationships for Granular Soils

Figure 3.2 shows two of the many possible ways that a system of equal-sized spheres can be packed. The dense packings represent the densest possible state for such a system. Looser systems than the simple cubic packing can be obtained by carefully constructing arches within the packing, but the simple cubic packing is the loosest of the stable arrangements. The void ratio and porosity of

³ Chapter 4 discusses the common soil minerals.

APPENDIX D

J&E Vapor Intrusion Model Spreadsheets

Soil Gas Concentration Data					SG-ADV Version 3.1; 02/04
ENTER Chemical CAS No. (numbers only, no dashes)	ENTER Soil gas conc., C_g ($\mu\text{g}/\text{m}^3$)	OR	ENTER Soil gas conc., C_g (ppmv)	Chemical	
630206	1			1,1,1,2-Tetrachloroethane	
71556	1			1,1,1-Trichloroethane	
75343	1			1,1-Dichloroethane	
75354	1			1,1-Dichloroethylene (1,1-DCE)	
95636	1			1,2,4-Trimethylbenzene	
108678	1			1,3,5-Trimethylbenzene	
99876	1			p-Isopropyltoluene (p-cymene)	
71432	1			Benzene	
108907	1			Chlorobenzene	
67663	1			Chloroform	
156592	1			cis-1,2-Dichloroethylene	
75718	1			Dichlorodifluoromethane	
100414	1			Ethylbenzene	
76131	1			1,1,2-Trichloro-1,2,2-trifluoroethane	
104518	1			n-Butylbenzene	
103651	1			n-Propylbenzene	
127184	1			Tetrachloroethylene (PCE)	
108883	1			Toluene	
79016	1			Trichloroethylene (TCE)	
75694	1			Trichlorofluoromethane	
1330207	1			Xylene (total)	

ENTER Depth below grade to bottom of enclosed space floor, L_F (cm)	ENTER Soil gas sampling depth below grade, L_S (cm)	ENTER Average soil temperature, T_S (°C)	ENTER Totals must add up to value of L_S (cell F24)			ENTER Soil stratum A SCS soil type (used to estimate soil vapor permeability)	ENTER User-defined stratum A soil vapor permeability, k_v (cm ²)	
15	122	19	122			S		
4 ft bgs		4 ft bgs						
ENTER Stratum A SCS soil type Lookup Soil Parameters	ENTER Stratum A soil dry bulk density, ρ_b^A (g/cm ³)	ENTER Stratum A soil total porosity, n^A (unitless)	ENTER Stratum A soil water-filled porosity, θ_w^A (cm ³ /cm ³)	ENTER Stratum B SCS soil type Lookup Soil Parameters	ENTER Stratum B soil dry bulk density, ρ_b^B (g/cm ³)	ENTER Stratum B soil total porosity, n^B (unitless)	ENTER Stratum B soil water-filled porosity, θ_w^B (cm ³ /cm ³)	ENTER Stratum C SCS soil type Lookup Soil Parameters
S	1.77	0.333	0.224					
ENTER Enclosed space floor thickness, L_{crack} (cm)	ENTER Soil-bldg. pressure differential, ΔP (g/cm-s ²)	ENTER Enclosed space floor length, L_B (cm)	ENTER Enclosed space floor width, W_B (cm)	ENTER Enclosed space height, H_B (cm)	ENTER Floor-wall seam crack width, w (cm)	ENTER Indoor air exchange rate, ER (1/h)	ENTER Average vapor flow rate into bldg. OR Leave blank to calculate Q_{soil} (L/m)	
15	40	1000	1000	366	0.1	1	5	
ENTER Averaging time for carcinogens, AT_C (yrs)	ENTER Averaging time for noncarcinogens, AT_{NC} (yrs)	ENTER Exposure duration, ED (yrs)	ENTER Exposure frequency, EF (days/yr)					
70	25	25	250					

Diffusivity in air, D_a (cm ² /s)	Diffusivity in water, D_w (cm ² /s)	Henry's law constant at reference temperature, H (atm-m ³ /mol)	Henry's law constant reference temperature, T_R (°C)	Enthalpy of vaporization at the normal boiling point, $\Delta H_{v,b}$ (cal/mol)	Normal boiling point, T_B (°K)	Critical temperature, T_C (°K)	Molecular weight, MW (g/mol)	Unit risk factor, URF (µg/m ³) ⁻¹	Reference conc., RfC (mg/m ³)	
4.8E-02	9.1E-06	2.5E-03	25	9,768	403.50	624.00	167.85	see Table 8	see Table 8	1,1,1,2-Tetrachloroethane
6.5E-02	9.6E-06	1.7E-02	25	7,136	347.24	545.00	133.41			1,1,1-Trichloroethane
8.4E-02	1.1E-05	5.6E-03	25	6,895	330.55	523.00	98.96			1,1-Dichloroethane
8.6E-02	1.1E-05	2.6E-02	25	6,247	304.75	576.05	96.94			1,1-Dichloroethylene (1,1-DCE)
6.1E-02	7.9E-06	6.2E-03	25	9,369	442.30	649.17	120.20			1,2,4-Trimethylbenzene
6.0E-02	7.8E-06	8.8E-03	25	9,321	437.89	637.25	120.20			1,3,5-Trimethylbenzene
6.4E-02	0.0E+00	1.1E-02	25	0	450.00	0.00	134.22			p-Isopropyltoluene (p-cymene)
9.0E-02	1.0E-05	5.6E-03	25	7,342	353.24	562.16	78.12			Benzene
7.2E-02	9.5E-06	3.1E-03	25	8,410	404.87	632.40	112.56			Chlorobenzene
7.7E-02	1.1E-05	3.7E-03	25	6,988	334.32	536.40	119.38			Chloroform
8.8E-02	1.1E-05	4.1E-03	25	7,192	333.65	544.00	96.94			cis-1,2-Dichloroethylene
7.6E-02	1.1E-05	3.4E-01	25	9,421	243.20	384.95	120.91			Dichlorodifluoromethane
6.8E-02	8.5E-06	7.9E-03	25	8,501	409.34	617.20	106.17			Ethylbenzene
3.8E-02	8.6E-06	5.3E-01	25	6,463	320.70	487.30	187.38			1,1,2-Trichloro-1,2,2-trifluoroethane
5.3E-02	7.3E-06	1.6E-02	25	9,290	456.46	660.50	134.22			n-Butylbenzene
6.0E-02	7.8E-06	1.1E-02	25	9,123	432.20	630.00	120.20			n-Propylbenzene
5.0E-02	9.5E-06	1.8E-02	25	8,288	394.40	620.20	165.83			Tetrachloroethylene (PCE)
7.8E-02	9.2E-06	6.6E-03	25	7,930	383.78	591.79	92.14			Toluene
6.9E-02	1.0E-05	9.9E-03	25	7,505	360.36	544.20	131.39			Trichloroethylene (TCE)
6.5E-02	1.0E-05	9.7E-02	25	5,999	296.70	471.00	137.37			Trichlorofluoromethane
6.9E-02	8.5E-06	6.6E-03	25	8,523	412.15	617.05	106.17			Xylene (total)

												4 ft bgs
Exposure duration, τ (sec)	Source-building separation, L_T (cm)	Stratum A soil air-filled porosity, θ_a^A (cm ³ /cm ³)	Stratum B soil air-filled porosity, θ_a^B (cm ³ /cm ³)	Stratum C soil air-filled porosity, θ_a^C (cm ³ /cm ³)	Stratum A effective total fluid saturation, S_{te} (cm ³ /cm ³)	Stratum A soil intrinsic permeability, k_i (cm ²)	Stratum A soil relative air permeability, k_{rg} (cm ²)	Stratum A soil effective vapor permeability, k_v (cm ²)	Floor-wall seam perimeter, X_{crack} (cm)	Soil gas conc. (ug/m ³)	Bldg. ventilation rate, $Q_{building}$ (cm ³ /s)	
7.9E+08	107	0.109	ERROR		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	1.0E+05	1,1,1,2-Tetrachloroethane
7.9E+08	107	0.109	ERROR		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	1.0E+05	1,1,1-Trichloroethane
7.9E+08	107	0.109	ERROR		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	1.0E+05	1,1-Dichloroethane
7.9E+08	107	0.109	ERROR		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	1.0E+05	1,1-Dichloroethylene (1,1-DCE)
7.9E+08	107	0.109	ERROR		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	1.0E+05	1,2,4-Trimethylbenzene
7.9E+08	107	0.109	ERROR		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	1.0E+05	1,3,5-Trimethylbenzene
7.9E+08	107	0.109	ERROR		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	1.0E+05	p-Isopropyltoluene (p-cymene)
7.9E+08	107	0.109	ERROR		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	1.0E+05	Benzene
7.9E+08	107	0.109	ERROR		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	1.0E+05	Chlorobenzene
7.9E+08	107	0.109	ERROR		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	1.0E+05	Chloroform
7.9E+08	107	0.109	ERROR		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	1.0E+05	cis-1,2-Dichloroethylene
7.9E+08	107	0.109	ERROR		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	1.0E+05	Dichlorodifluoromethane
7.9E+08	107	0.109	ERROR		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	1.0E+05	Ethylbenzene
7.9E+08	107	0.109	ERROR		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	1.0E+05	1,1,2-Trichloro-1,2,2-trifluoroel
7.9E+08	107	0.109	ERROR		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	1.0E+05	n-Butylbenzene
7.9E+08	107	0.109	ERROR		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	1.0E+05	n-Propylbenzene
7.9E+08	107	0.109	ERROR		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	1.0E+05	Tetrachloroethylene (PCE)
7.9E+08	107	0.109	ERROR		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	1.0E+05	Toluene
7.9E+08	107	0.109	ERROR		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	1.0E+05	Trichloroethylene (TCE)
7.9E+08	107	0.109	ERROR		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	1.0E+05	Trichlorofluoromethane
7.9E+08	107	0.109	ERROR		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	1.0E+05	Xylene (total)

Area of enclosed space below grade, A_B (cm^2)	Crack- to-total area ratio, η (unitless)	Crack depth below grade, Z_{crack} (cm)	Enthalpy of vaporization at ave. soil temperature, $\Delta H_{v,TS}$ (cal/mol)	Henry's law constant at ave. soil temperature, H_{TS} (atm-m ³ /mol)	Henry's law constant at ave. soil temperature, H'_{TS} (unitless)	Vapor viscosity at ave. soil temperature, μ_{TS} (g/cm-s)	Stratum A effective diffusion coefficient, D^{eff}_A (cm^2/s)	Stratum B effective diffusion coefficient, D^{eff}_B (cm^2/s)	Stratum C effective diffusion coefficient, D^{eff}_C (cm^2/s)	Total overall effective diffusion coefficient, D^{eff}_T (cm^2/s)	Diffusion path length, L_d (cm)	
1.0E+06	5.0E-03	15	11,329	1.7E-03	7.0E-02	1.8E-04	2.8E-04	0.0E+00	0.0E+00	2.8E-04	107	1,1,1,2-Tetrachloroethane
1.0E+06	5.0E-03	15	7,787	1.3E-02	5.5E-01	1.8E-04	3.7E-04	0.0E+00	0.0E+00	3.7E-04	107	1,1,1-Trichloroethane
1.0E+06	5.0E-03	15	7,351	4.4E-03	1.8E-01	1.8E-04	4.7E-04	0.0E+00	0.0E+00	4.7E-04	107	1,1-Dichloroethane
1.0E+06	5.0E-03	15	6,333	2.1E-02	8.7E-01	1.8E-04	4.9E-04	0.0E+00	0.0E+00	4.9E-04	107	1,1-Dichloroethylene (1,1-DCE)
1.0E+06	5.0E-03	15	11,579	4.1E-03	1.7E-01	1.8E-04	3.4E-04	0.0E+00	0.0E+00	3.4E-04	107	1,2,4-Trimethylbenzene
1.0E+06	5.0E-03	15	11,561	5.9E-03	2.5E-01	1.8E-04	3.4E-04	0.0E+00	0.0E+00	3.4E-04	107	1,3,5-Trimethylbenzene
1.0E+06	5.0E-03	15	0	1.1E-02	4.6E-01	1.8E-04	3.6E-04	0.0E+00	0.0E+00	3.6E-04	107	p-Isopropyltoluene (p-cymene)
1.0E+06	5.0E-03	15	8,030	4.2E-03	1.8E-01	1.8E-04	5.1E-04	0.0E+00	0.0E+00	5.1E-04	107	Benzene
1.0E+06	5.0E-03	15	9,712	2.2E-03	9.3E-02	1.8E-04	4.1E-04	0.0E+00	0.0E+00	4.1E-04	107	Chlorobenzene
1.0E+06	5.0E-03	15	7,461	2.8E-03	1.2E-01	1.8E-04	4.4E-04	0.0E+00	0.0E+00	4.4E-04	107	Chloroform
1.0E+06	5.0E-03	15	7,643	3.1E-03	1.3E-01	1.8E-04	5.0E-04	0.0E+00	0.0E+00	5.0E-04	107	cis-1,2-Dichloroethylene
1.0E+06	5.0E-03	15	8,118	2.6E-01	1.1E+01	1.8E-04	4.3E-04	0.0E+00	0.0E+00	4.3E-04	107	Dichlorodifluoromethane
1.0E+06	5.0E-03	15	10,052	5.6E-03	2.3E-01	1.8E-04	3.9E-04	0.0E+00	0.0E+00	3.9E-04	107	Ethylbenzene
1.0E+06	5.0E-03	15	6,853	4.1E-01	1.7E+01	1.8E-04	2.1E-04	0.0E+00	0.0E+00	2.1E-04	107	1,1,2-Trichloro-1,2,2-trifluoroet
1.0E+06	5.0E-03	15	11,734	1.1E-02	4.4E-01	1.8E-04	3.0E-04	0.0E+00	0.0E+00	3.0E-04	107	n-Butylbenzene
1.0E+06	5.0E-03	15	11,251	7.1E-03	3.0E-01	1.8E-04	3.4E-04	0.0E+00	0.0E+00	3.4E-04	107	n-Propylbenzene
1.0E+06	5.0E-03	15	9,462	1.3E-02	5.3E-01	1.8E-04	2.8E-04	0.0E+00	0.0E+00	2.8E-04	107	Tetrachloroethylene (PCE)
1.0E+06	5.0E-03	15	9,056	4.9E-03	2.0E-01	1.8E-04	4.4E-04	0.0E+00	0.0E+00	4.4E-04	107	Toluene
1.0E+06	5.0E-03	15	8,445	7.4E-03	3.1E-01	1.8E-04	3.9E-04	0.0E+00	0.0E+00	3.9E-04	107	Trichloroethylene (TCE)
1.0E+06	5.0E-03	15	6,053	7.9E-02	3.3E+00	1.8E-04	3.7E-04	0.0E+00	0.0E+00	3.7E-04	107	Trichlorofluoromethane
1.0E+06	5.0E-03	15	10,147	4.7E-03	1.9E-01	1.8E-04	3.9E-04	0.0E+00	0.0E+00	3.9E-04	107	Xylene (total)

							Exponent of	Infinite	4 ft bgs		
Convection	Source		Average	Crack		Exponent of	Infinite		Unit	Reference	
path	vapor	Crack	vapor	effective	Area of	equivalent	source	Infinite	risk		
length,	conc.,	radius,	flow rate	diffusion	crack,	Peclet	indoor	bldg.	factor,	conc.,	
L_p	C_{source}	r_{crack}	Q_{soil}	D^{crack}	A_{crack}	number,	attenuation	conc.,	URF	RfC	
(cm)	($\mu\text{g}/\text{m}^3$)	(cm)	(cm^3/s)	(cm^2/s)	(cm^2)	$\exp(\text{Pe}^f)$	coefficient,	$C_{building}$	($\mu\text{g}/\text{m}^3$) ⁻¹	(mg/m^3)	
						(unitless)	α				
						(unitless)	(unitless)				
15	1.0E+00	1.25	8.3E+01	2.8E-04	5.0E+03	#NUM!	2.5E-05	2.5E-05	see Table 8	see Table 8	1,1,1,2-Tetrachloroethane
15	1.0E+00	1.25	8.3E+01	3.7E-04	5.0E+03	1.5E+297	3.2E-05	3.2E-05			1,1,1-Trichloroethane
15	1.0E+00	1.25	8.3E+01	4.7E-04	5.0E+03	1.6E+229	4.1E-05	4.1E-05			1,1-Dichloroethane
15	1.0E+00	1.25	8.3E+01	4.9E-04	5.0E+03	3.0E+223	4.2E-05	4.2E-05			1,1-Dichloroethylene (1,1-DCE)
15	1.0E+00	1.25	8.3E+01	3.4E-04	5.0E+03	#NUM!	3.0E-05	3.0E-05			1,2,4-Trimethylbenzene
15	1.0E+00	1.25	8.3E+01	3.4E-04	5.0E+03	#NUM!	3.0E-05	3.0E-05			1,3,5-Trimethylbenzene
15	1.0E+00	1.25	8.3E+01	3.6E-04	5.0E+03	1.9E+303	3.2E-05	3.2E-05			p-Isopropyltoluene (p-cymene)
15	1.0E+00	1.25	8.3E+01	5.1E-04	5.0E+03	1.7E+214	4.4E-05	4.4E-05			Benzene
15	1.0E+00	1.25	8.3E+01	4.1E-04	5.0E+03	5.2E+263	3.6E-05	3.6E-05			Chlorobenzene
15	1.0E+00	1.25	8.3E+01	4.4E-04	5.0E+03	7.7E+247	3.8E-05	3.8E-05			Chloroform
15	1.0E+00	1.25	8.3E+01	5.0E-04	5.0E+03	1.6E+216	4.4E-05	4.4E-05			cis-1,2-Dichloroethylene
15	1.0E+00	1.25	8.3E+01	4.3E-04	5.0E+03	1.2E+254	3.7E-05	3.7E-05			Dichlorodifluoromethane
15	1.0E+00	1.25	8.3E+01	3.9E-04	5.0E+03	3.4E+280	3.4E-05	3.4E-05			Ethylbenzene
15	1.0E+00	1.25	8.3E+01	2.1E-04	5.0E+03	#NUM!	1.9E-05	1.9E-05			1,1,2-Trichloro-1,2,2-trifluoroethane
15	1.0E+00	1.25	8.3E+01	3.0E-04	5.0E+03	#NUM!	2.6E-05	2.6E-05			n-Butylbenzene
15	1.0E+00	1.25	8.3E+01	3.4E-04	5.0E+03	#NUM!	3.0E-05	3.0E-05			n-Propylbenzene
15	1.0E+00	1.25	8.3E+01	2.8E-04	5.0E+03	#NUM!	2.5E-05	2.5E-05			Tetrachloroethylene (PCE)
15	1.0E+00	1.25	8.3E+01	4.4E-04	5.0E+03	5.2E+246	3.9E-05	3.9E-05			Toluene
15	1.0E+00	1.25	8.3E+01	3.9E-04	5.0E+03	7.4E+279	3.4E-05	3.4E-05			Trichloroethylene (TCE)
15	1.0E+00	1.25	8.3E+01	3.7E-04	5.0E+03	2.8E+295	3.2E-05	3.2E-05			Trichlorofluoromethane
15	1.0E+00	1.25	8.3E+01	3.9E-04	5.0E+03	1.0E+280	3.4E-05	3.4E-05			Xylene (total)

Soil Gas Concentration Data					SG-ADV Version 3.1; 02/04
ENTER Chemical CAS No. (numbers only, no dashes)	ENTER Soil gas conc., C_g ($\mu\text{g}/\text{m}^3$)	OR	ENTER Soil gas conc., C_g (ppmv)	Chemical	
630206	1			1,1,1,2-Tetrachloroethane	
71556	1			1,1,1-Trichloroethane	
75343	1			1,1-Dichloroethane	
75354	1			1,1-Dichloroethylene (1,1-DCE)	
95636	1			1,2,4-Trimethylbenzene	
108678	1			1,3,5-Trimethylbenzene	
99876	1			p-Isopropyltoluene (p-cymene)	
71432	1			Benzene	
108907	1			Chlorobenzene	
67663	1			Chloroform	
156592	1			cis-1,2-Dichloroethylene	
75718	1			Dichlorodifluoromethane	
100414	1			Ethylbenzene	
76131	1			1,1,2-Trichloro-1,2,2-trifluoroethane	
104518	1			n-Butylbenzene	
103651	1			n-Propylbenzene	
127184	1			Tetrachloroethylene (PCE)	
108883	1			Toluene	
79016	1			Trichloroethylene (TCE)	
75694	1			Trichlorofluoromethane	
1330207	1			Xylene (total)	

ENTER Depth below grade to bottom of enclosed space floor, L_F (cm)	ENTER Soil gas sampling depth below grade, L_S (cm)	ENTER Average soil temperature, T_S (°C)	ENTER Totals must add up to value of L_s (cell F24)			ENTER Soil stratum A SCS soil type (used to estimate soil vapor permeability)	ENTER User-defined stratum A soil vapor permeability, k_v (cm ²)	
15	122	19	122			S		
4 ft bgs			4 ft bgs					
ENTER Stratum A SCS soil type Lookup Soil Parameters	ENTER Stratum A soil dry bulk density, ρ_b^A (g/cm ³)	ENTER Stratum A soil total porosity, n^A (unitless)	ENTER Stratum A soil water-filled porosity, θ_w^A (cm ³ /cm ³)	ENTER Stratum B SCS soil type Lookup Soil Parameters	ENTER Stratum B soil dry bulk density, ρ_b^B (g/cm ³)	ENTER Stratum B soil total porosity, n^B (unitless)	ENTER Stratum B soil water-filled porosity, θ_w^B (cm ³ /cm ³)	ENTER Stratum C SCS soil type Lookup Soil Parameters
S	1.77	0.333	0.224					
ENTER Enclosed space floor thickness, L_{crack} (cm)	ENTER Soil-bldg. pressure differential, ΔP (g/cm-s ²)	ENTER Enclosed space floor length, L_B (cm)	ENTER Enclosed space floor width, W_B (cm)	ENTER Enclosed space height, H_B (cm)	ENTER Floor-wall seam crack width, w (cm)	ENTER Indoor air exchange rate, ER (1/h)	ENTER Average vapor flow rate into bldg. OR Leave blank to calculate Q_{soil} (L/m)	
15	40	1000	1000	244	0.1	0.5	5	
ENTER Averaging time for carcinogens, AT_C (yrs)	ENTER Averaging time for noncarcinogens, AT_{NC} (yrs)	ENTER Exposure duration, ED (yrs)	ENTER Exposure frequency, EF (days/yr)					
70	26	26	350					

												4 ft bgs
Exposure duration, τ (sec)	Source-building separation, L_T (cm)	Stratum A soil air-filled porosity, θ_a^A (cm ³ /cm ³)	Stratum B soil air-filled porosity, θ_a^B (cm ³ /cm ³)	Stratum C soil air-filled porosity, θ_a^C (cm ³ /cm ³)	Stratum A effective total fluid saturation, S_{te} (cm ³ /cm ³)	Stratum A soil intrinsic permeability, k_i (cm ²)	Stratum A soil relative air permeability, k_{rg} (cm ²)	Stratum A soil effective vapor permeability, k_v (cm ²)	Floor-wall seam perimeter, X_{crack} (cm)	Soil gas conc. (ug/m ³)	Bldg. ventilation rate, $Q_{building}$ (cm ³ /s)	
8.2E+08	107	0.109	ERROR		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	3.4E+04	1,1,1,2-Tetrachloroethane
8.2E+08	107	0.109	ERROR		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	3.4E+04	1,1,1-Trichloroethane
8.2E+08	107	0.109	ERROR		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	3.4E+04	1,1-Dichloroethane
8.2E+08	107	0.109	ERROR		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	3.4E+04	1,1-Dichloroethylene (1,1-DCE)
8.2E+08	107	0.109	ERROR		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	3.4E+04	1,2,4-Trimethylbenzene
8.2E+08	107	0.109	ERROR		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	3.4E+04	1,3,5-Trimethylbenzene
8.2E+08	107	0.109	ERROR		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	3.4E+04	p-Isopropyltoluene (p-cymene)
8.2E+08	107	0.109	ERROR		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	3.4E+04	Benzene
8.2E+08	107	0.109	ERROR		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	3.4E+04	Chlorobenzene
8.2E+08	107	0.109	ERROR		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	3.4E+04	Chloroform
8.2E+08	107	0.109	ERROR		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	3.4E+04	cis-1,2-Dichloroethylene
8.2E+08	107	0.109	ERROR		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	3.4E+04	Dichlorodifluoromethane
8.2E+08	107	0.109	ERROR		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	3.4E+04	Ethylbenzene
8.2E+08	107	0.109	ERROR		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	3.4E+04	1,1,2-Trichloro-1,2,2-trifluoroel
8.2E+08	107	0.109	ERROR		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	3.4E+04	n-Butylbenzene
8.2E+08	107	0.109	ERROR		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	3.4E+04	n-Propylbenzene
8.2E+08	107	0.109	ERROR		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	3.4E+04	Tetrachloroethylene (PCE)
8.2E+08	107	0.109	ERROR		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	3.4E+04	Toluene
8.2E+08	107	0.109	ERROR		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	3.4E+04	Trichloroethylene (TCE)
8.2E+08	107	0.109	ERROR		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	3.4E+04	Trichlorofluoromethane
8.2E+08	107	0.109	ERROR		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	3.4E+04	Xylene (total)

4 ft bgs												
Area of enclosed space below grade, A_B (cm^2)	Crack-to-total area ratio, η (unitless)	Crack depth below grade, Z_{crack} (cm)	Enthalpy of vaporization at ave. soil temperature, $\Delta H_{v,TS}$ (cal/mol)	Henry's law constant at ave. soil temperature, H_{TS} ($\text{atm}\cdot\text{m}^3/\text{mol}$)	Henry's law constant at ave. soil temperature, H'_{TS} (unitless)	Vapor viscosity at ave. soil temperature, μ_{TS} (g/cm-s)	Stratum A effective diffusion coefficient, D^{eff}_A (cm^2/s)	Stratum B effective diffusion coefficient, D^{eff}_B (cm^2/s)	Stratum C effective diffusion coefficient, D^{eff}_C (cm^2/s)	Total overall effective diffusion coefficient, D^{eff}_T (cm^2/s)	Diffusion path length, L_d (cm)	
1.0E+06	5.0E-03	15	11,329	1.7E-03	7.0E-02	1.8E-04	2.8E-04	0.0E+00	0.0E+00	2.8E-04	107	1,1,1,2-Tetrachloroethane
1.0E+06	5.0E-03	15	7,787	1.3E-02	5.5E-01	1.8E-04	3.7E-04	0.0E+00	0.0E+00	3.7E-04	107	1,1,1-Trichloroethane
1.0E+06	5.0E-03	15	7,351	4.4E-03	1.8E-01	1.8E-04	4.7E-04	0.0E+00	0.0E+00	4.7E-04	107	1,1-Dichloroethane
1.0E+06	5.0E-03	15	6,333	2.1E-02	8.7E-01	1.8E-04	4.9E-04	0.0E+00	0.0E+00	4.9E-04	107	1,1-Dichloroethylene (1,1-DCE)
1.0E+06	5.0E-03	15	11,579	4.1E-03	1.7E-01	1.8E-04	3.4E-04	0.0E+00	0.0E+00	3.4E-04	107	1,2,4-Trimethylbenzene
1.0E+06	5.0E-03	15	11,561	5.9E-03	2.5E-01	1.8E-04	3.4E-04	0.0E+00	0.0E+00	3.4E-04	107	1,3,5-Trimethylbenzene
1.0E+06	5.0E-03	15	0	1.1E-02	4.6E-01	1.8E-04	3.6E-04	0.0E+00	0.0E+00	3.6E-04	107	p-Isopropyltoluene (p-cymene)
1.0E+06	5.0E-03	15	8,030	4.2E-03	1.8E-01	1.8E-04	5.1E-04	0.0E+00	0.0E+00	5.1E-04	107	Benzene
1.0E+06	5.0E-03	15	9,712	2.2E-03	9.3E-02	1.8E-04	4.1E-04	0.0E+00	0.0E+00	4.1E-04	107	Chlorobenzene
1.0E+06	5.0E-03	15	7,461	2.8E-03	1.2E-01	1.8E-04	4.4E-04	0.0E+00	0.0E+00	4.4E-04	107	Chloroform
1.0E+06	5.0E-03	15	7,643	3.1E-03	1.3E-01	1.8E-04	5.0E-04	0.0E+00	0.0E+00	5.0E-04	107	cis-1,2-Dichloroethylene
1.0E+06	5.0E-03	15	8,118	2.6E-01	1.1E+01	1.8E-04	4.3E-04	0.0E+00	0.0E+00	4.3E-04	107	Dichlorodifluoromethane
1.0E+06	5.0E-03	15	10,052	5.6E-03	2.3E-01	1.8E-04	3.9E-04	0.0E+00	0.0E+00	3.9E-04	107	Ethylbenzene
1.0E+06	5.0E-03	15	6,853	4.1E-01	1.7E+01	1.8E-04	2.1E-04	0.0E+00	0.0E+00	2.1E-04	107	1,1,2-Trichloro-1,2,2-trifluoroet
1.0E+06	5.0E-03	15	11,734	1.1E-02	4.4E-01	1.8E-04	3.0E-04	0.0E+00	0.0E+00	3.0E-04	107	n-Butylbenzene
1.0E+06	5.0E-03	15	11,251	7.1E-03	3.0E-01	1.8E-04	3.4E-04	0.0E+00	0.0E+00	3.4E-04	107	n-Propylbenzene
1.0E+06	5.0E-03	15	9,462	1.3E-02	5.3E-01	1.8E-04	2.8E-04	0.0E+00	0.0E+00	2.8E-04	107	Tetrachloroethylene (PCE)
1.0E+06	5.0E-03	15	9,056	4.9E-03	2.0E-01	1.8E-04	4.4E-04	0.0E+00	0.0E+00	4.4E-04	107	Toluene
1.0E+06	5.0E-03	15	8,445	7.4E-03	3.1E-01	1.8E-04	3.9E-04	0.0E+00	0.0E+00	3.9E-04	107	Trichloroethylene (TCE)
1.0E+06	5.0E-03	15	6,053	7.9E-02	3.3E+00	1.8E-04	3.7E-04	0.0E+00	0.0E+00	3.7E-04	107	Trichlorofluoromethane
1.0E+06	5.0E-03	15	10,147	4.7E-03	1.9E-01	1.8E-04	3.9E-04	0.0E+00	0.0E+00	3.9E-04	107	Xylene (total)

4 ft bgs

Convection path length, L_p (cm)	Source vapor conc., C_{source} ($\mu\text{g}/\text{m}^3$)	Crack radius, r_{crack} (cm)	Average vapor flow rate into bldg., Q_{soil} (cm^3/s)	Crack effective diffusion coefficient, D_{crack} (cm^2/s)	Area of crack, A_{crack} (cm^2)	Exponent of equivalent foundation Peclet number, $\exp(Pe^f)$ (unitless)	Infinite source indoor attenuation coefficient, α (unitless)	Infinite source bldg. conc., $C_{building}$ ($\mu\text{g}/\text{m}^3$)	Unit risk factor, URF ($\mu\text{g}/\text{m}^3$) ⁻¹	Reference conc., RfC (mg/m^3)	
15	1.0E+00	1.25	8.3E+01	2.8E-04	5.0E+03	#NUM!	7.5E-05	7.5E-05	see Table 8	see Table 8	1,1,1,2-Tetrachloroethane
15	1.0E+00	1.25	8.3E+01	3.7E-04	5.0E+03	1.5E+297	9.7E-05	9.7E-05			1,1,1-Trichloroethane
15	1.0E+00	1.25	8.3E+01	4.7E-04	5.0E+03	1.6E+229	1.2E-04	1.2E-04			1,1-Dichloroethane
15	1.0E+00	1.25	8.3E+01	4.9E-04	5.0E+03	3.0E+223	1.3E-04	1.3E-04			1,1-Dichloroethylene (1,1-DCE)
15	1.0E+00	1.25	8.3E+01	3.4E-04	5.0E+03	#NUM!	9.1E-05	9.1E-05			1,2,4-Trimethylbenzene
15	1.0E+00	1.25	8.3E+01	3.4E-04	5.0E+03	#NUM!	9.0E-05	9.0E-05			1,3,5-Trimethylbenzene
15	1.0E+00	1.25	8.3E+01	3.6E-04	5.0E+03	1.9E+303	9.5E-05	9.5E-05			p-Isopropyltoluene (p-cymene)
15	1.0E+00	1.25	8.3E+01	5.1E-04	5.0E+03	1.7E+214	1.3E-04	1.3E-04			Benzene
15	1.0E+00	1.25	8.3E+01	4.1E-04	5.0E+03	5.2E+263	1.1E-04	1.1E-04			Chlorobenzene
15	1.0E+00	1.25	8.3E+01	4.4E-04	5.0E+03	7.7E+247	1.2E-04	1.2E-04			Chloroform
15	1.0E+00	1.25	8.3E+01	5.0E-04	5.0E+03	1.6E+216	1.3E-04	1.3E-04			cis-1,2-Dichloroethylene
15	1.0E+00	1.25	8.3E+01	4.3E-04	5.0E+03	1.2E+254	1.1E-04	1.1E-04			Dichlorodifluoromethane
15	1.0E+00	1.25	8.3E+01	3.9E-04	5.0E+03	3.4E+280	1.0E-04	1.0E-04			Ethylbenzene
15	1.0E+00	1.25	8.3E+01	2.1E-04	5.0E+03	#NUM!	5.7E-05	5.7E-05			1,1,2-Trichloro-1,2,2-trifluoroethane
15	1.0E+00	1.25	8.3E+01	3.0E-04	5.0E+03	#NUM!	7.9E-05	7.9E-05			n-Butylbenzene
15	1.0E+00	1.25	8.3E+01	3.4E-04	5.0E+03	#NUM!	9.0E-05	9.0E-05			n-Propylbenzene
15	1.0E+00	1.25	8.3E+01	2.8E-04	5.0E+03	#NUM!	7.6E-05	7.6E-05			Tetrachloroethylene (PCE)
15	1.0E+00	1.25	8.3E+01	4.4E-04	5.0E+03	5.2E+246	1.2E-04	1.2E-04			Toluene
15	1.0E+00	1.25	8.3E+01	3.9E-04	5.0E+03	7.4E+279	1.0E-04	1.0E-04			Trichloroethylene (TCE)
15	1.0E+00	1.25	8.3E+01	3.7E-04	5.0E+03	2.8E+295	9.7E-05	9.7E-05			Trichlorofluoromethane
15	1.0E+00	1.25	8.3E+01	3.9E-04	5.0E+03	1.0E+280	1.0E-04	1.0E-04			Xylene (total)

Soil Gas Concentration Data					SG-ADV Version 3.1; 02/04
ENTER Chemical CAS No. (numbers only, no dashes)	ENTER Soil gas conc., C_g ($\mu\text{g}/\text{m}^3$)	OR	ENTER Soil gas conc., C_g (ppmv)	Chemical	
630206	1			1,1,1,2-Tetrachloroethane	
71556	1			1,1,1-Trichloroethane	
75343	1			1,1-Dichloroethane	
75354	1			1,1-Dichloroethylene (1,1-DCE)	
95636	1			1,2,4-Trimethylbenzene	
108678	1			1,3,5-Trimethylbenzene	
99876	1			p-Isopropyltoluene (p-cymene)	
71432	1			Benzene	
108907	1			Chlorobenzene	
67663	1			Chloroform	
156592	1			cis-1,2-Dichloroethylene	
75718	1			Dichlorodifluoromethane	
100414	1			Ethylbenzene	
76131	1			1,1,2-Trichloro-1,2,2-trifluoroethane	
104518	1			n-Butylbenzene	
103651	1			n-Propylbenzene	
127184	1			Tetrachloroethylene (PCE)	
108883	1			Toluene	
79016	1			Trichloroethylene (TCE)	
75694	1			Trichlorofluoromethane	
1330207	1			Xylene (total)	

ENTER Depth below grade to bottom of enclosed space floor, L_F (cm)	ENTER Soil gas sampling depth below grade, L_S (cm)	ENTER Average soil temperature, T_S (°C)	Totals must add up to value of L_S (cell F)			ENTER Error	ENTER Error	ENTER User-defined stratum A soil vapor permeability, k_v (cm ²)
			ENTER Thickness of soil stratum A, h_A (cm)	ENTER Thickness of soil stratum B, (Enter value or 0) h_B (cm)	ENTER Thickness of soil stratum C, (Enter value or 0) h_C (cm)	ENTER stratum A SCS soil type (used to estimate soil vapor permeability)	OR	
15	457.5	19	427	30.5		S		
	15 ft bgs		14 ft bgs	1 ft bgs				
ENTER Stratum A SCS soil type Lookup Soil Parameters	ENTER Stratum A soil dry bulk density, ρ_b^A (g/cm ³)	ENTER Stratum A soil total porosity, n^A (unitless)	ENTER Stratum A soil water-filled porosity, θ_w^A (cm ³ /cm ³)	ENTER Stratum B SCS soil type Lookup Soil Parameters	ENTER Stratum B soil dry bulk density, ρ_b^B (g/cm ³)	ENTER Stratum B soil total porosity, n^B (unitless)	ENTER Stratum B soil water-filled porosity, θ_w^B (cm ³ /cm ³)	ENTER Stratum C SCS soil type Lookup Soil Parameters
S	1.77	0.333	0.224	SL	1.87	0.294	0.159	
ENTER Enclosed space floor thickness, L_{crack} (cm)	ENTER Soil-bldg. pressure differential, ΔP (g/cm-s ²)	ENTER Enclosed space floor length, L_B (cm)	ENTER Enclosed space floor width, W_B (cm)	ENTER Enclosed space height, H_B (cm)	ENTER Floor-wall seam crack width, w (cm)	ENTER Indoor air exchange rate, ER (1/h)	ENTER Average vapor flow rate into bldg. OR Leave blank to calculate Q_{soil} (L/m)	
15	40	1000	1000	366	0.1	1	5	
ENTER Averaging time for carcinogens, AT_C (yrs)	ENTER Averaging time for noncarcinogens, AT_{NC} (yrs)	ENTER Exposure duration, ED (yrs)	ENTER Exposure frequency, EF (days/yr)					
70	25	25	250					

15 ft bgs												
Exposure duration, τ (sec)	Source-building separation, L_T (cm)	Stratum A soil air-filled porosity, θ_a^A (cm ³ /cm ³)	Stratum B soil air-filled porosity, θ_a^B (cm ³ /cm ³)	Stratum C soil air-filled porosity, θ_a^C (cm ³ /cm ³)	Stratum A effective total fluid saturation, S_{te} (cm ³ /cm ³)	Stratum A soil intrinsic permeability, k_i (cm ²)	Stratum A soil relative air permeability, k_{rg} (cm ²)	Stratum A soil effective vapor permeability, k_v (cm ²)	Floor-wall seam perimeter, X_{crack} (cm)	Soil gas conc. (ug/m ³)	Bldg. ventilation rate, $Q_{building}$ (cm ³ /s)	
7.9E+08	442.5	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	1.0E+05	1,1,1,2-Tetrachloroethane
7.9E+08	442.5	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	1.0E+05	1,1,1-Trichloroethane
7.9E+08	442.5	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	1.0E+05	1,1-Dichloroethane
7.9E+08	442.5	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	1.0E+05	1,1-Dichloroethylene (1,1-DCE)
7.9E+08	442.5	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	1.0E+05	1,2,4-Trimethylbenzene
7.9E+08	442.5	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	1.0E+05	1,3,5-Trimethylbenzene
7.9E+08	442.5	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	1.0E+05	p-Isopropyltoluene (p-cymene)
7.9E+08	442.5	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	1.0E+05	Benzene
7.9E+08	442.5	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	1.0E+05	Chlorobenzene
7.9E+08	442.5	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	1.0E+05	Chloroform
7.9E+08	442.5	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	1.0E+05	cis-1,2-Dichloroethylene
7.9E+08	442.5	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	1.0E+05	Dichlorodifluoromethane
7.9E+08	442.5	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	1.0E+05	Ethylbenzene
7.9E+08	442.5	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	1.0E+05	1,1,2-Trichloro-1,2,2-trifluoroel
7.9E+08	442.5	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	1.0E+05	n-Butylbenzene
7.9E+08	442.5	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	1.0E+05	n-Propylbenzene
7.9E+08	442.5	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	1.0E+05	Tetrachloroethylene (PCE)
7.9E+08	442.5	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	1.0E+05	Toluene
7.9E+08	442.5	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	1.0E+05	Trichloroethylene (TCE)
7.9E+08	442.5	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	1.0E+05	Trichlorofluoromethane
7.9E+08	442.5	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	1.0E+05	Xylene (total)

15 ft bgs												
Area of enclosed space below grade, A_B (cm ²)	Crack-to-total area ratio, η (unitless)	Crack depth below grade, Z_{crack} (cm)	Enthalpy of vaporization at ave. soil temperature, $\Delta H_{v,TS}$ (cal/mol)	Henry's law constant at ave. soil temperature, H_{TS} (atm-m ³ /mol)	Henry's law constant at ave. soil temperature, H'_{TS} (unitless)	Vapor viscosity at ave. soil temperature, μ_{TS} (g/cm-s)	Stratum A effective diffusion coefficient, D^{eff}_A (cm ² /s)	Stratum B effective diffusion coefficient, D^{eff}_B (cm ² /s)	Stratum C effective diffusion coefficient, D^{eff}_C (cm ² /s)	Total overall effective diffusion coefficient, D^{eff}_T (cm ² /s)	Diffusion path length, L_d (cm)	
1.0E+06	5.0E-03	15	11,329	1.7E-03	7.0E-02	1.8E-04	2.8E-04	7.1E-04	0.0E+00	2.9E-04	442.5	1,1,1,2-Tetrachloroethane
1.0E+06	5.0E-03	15	7,787	1.3E-02	5.5E-01	1.8E-04	3.7E-04	9.5E-04	0.0E+00	3.8E-04	442.5	1,1,1-Trichloroethane
1.0E+06	5.0E-03	15	7,351	4.4E-03	1.8E-01	1.8E-04	4.7E-04	1.2E-03	0.0E+00	4.9E-04	442.5	1,1-Dichloroethane
1.0E+06	5.0E-03	15	6,333	2.1E-02	8.7E-01	1.8E-04	4.9E-04	1.3E-03	0.0E+00	5.1E-04	442.5	1,1-Dichloroethylene (1,1-DCE)
1.0E+06	5.0E-03	15	11,579	4.1E-03	1.7E-01	1.8E-04	3.4E-04	8.9E-04	0.0E+00	3.6E-04	442.5	1,2,4-Trimethylbenzene
1.0E+06	5.0E-03	15	11,561	5.9E-03	2.5E-01	1.8E-04	3.4E-04	8.9E-04	0.0E+00	3.6E-04	442.5	1,3,5-Trimethylbenzene
1.0E+06	5.0E-03	15	0	1.1E-02	4.6E-01	1.8E-04	3.6E-04	9.4E-04	0.0E+00	3.7E-04	442.5	p-Isopropyltoluene (p-cymene)
1.0E+06	5.0E-03	15	8,030	4.2E-03	1.8E-01	1.8E-04	5.1E-04	1.3E-03	0.0E+00	5.3E-04	442.5	Benzene
1.0E+06	5.0E-03	15	9,712	2.2E-03	9.3E-02	1.8E-04	4.1E-04	1.1E-03	0.0E+00	4.3E-04	442.5	Chlorobenzene
1.0E+06	5.0E-03	15	7,461	2.8E-03	1.2E-01	1.8E-04	4.4E-04	1.1E-03	0.0E+00	4.6E-04	442.5	Chloroform
1.0E+06	5.0E-03	15	7,643	3.1E-03	1.3E-01	1.8E-04	5.0E-04	1.3E-03	0.0E+00	5.2E-04	442.5	cis-1,2-Dichloroethylene
1.0E+06	5.0E-03	15	8,118	2.6E-01	1.1E+01	1.8E-04	4.3E-04	1.1E-03	0.0E+00	4.5E-04	442.5	Dichlorodifluoromethane
1.0E+06	5.0E-03	15	10,052	5.6E-03	2.3E-01	1.8E-04	3.9E-04	1.0E-03	0.0E+00	4.0E-04	442.5	Ethylbenzene
1.0E+06	5.0E-03	15	6,853	4.1E-01	1.7E+01	1.8E-04	2.1E-04	5.5E-04	0.0E+00	2.2E-04	442.5	1,1,2-Trichloro-1,2,2-trifluoroethane
1.0E+06	5.0E-03	15	11,734	1.1E-02	4.4E-01	1.8E-04	3.0E-04	7.8E-04	0.0E+00	3.1E-04	442.5	n-Butylbenzene
1.0E+06	5.0E-03	15	11,251	7.1E-03	3.0E-01	1.8E-04	3.4E-04	8.8E-04	0.0E+00	3.5E-04	442.5	n-Propylbenzene
1.0E+06	5.0E-03	15	9,462	1.3E-02	5.3E-01	1.8E-04	2.8E-04	7.4E-04	0.0E+00	3.0E-04	442.5	Tetrachloroethylene (PCE)
1.0E+06	5.0E-03	15	9,056	4.9E-03	2.0E-01	1.8E-04	4.4E-04	1.1E-03	0.0E+00	4.6E-04	442.5	Toluene
1.0E+06	5.0E-03	15	8,445	7.4E-03	3.1E-01	1.8E-04	3.9E-04	1.0E-03	0.0E+00	4.1E-04	442.5	Trichloroethylene (TCE)
1.0E+06	5.0E-03	15	6,053	7.9E-02	3.3E+00	1.8E-04	3.7E-04	9.6E-04	0.0E+00	3.8E-04	442.5	Trichlorofluoromethane
1.0E+06	5.0E-03	15	10,147	4.7E-03	1.9E-01	1.8E-04	3.9E-04	1.0E-03	0.0E+00	4.0E-04	442.5	Xylene (total)

15 ft bgs

Convection path length, L_p (cm)	Source vapor conc., C_{source} ($\mu\text{g}/\text{m}^3$)	Crack radius, r_{crack} (cm)	Average vapor flow rate into bldg., Q_{soil} (cm^3/s)	Crack effective diffusion coefficient, D_{crack} (cm^2/s)	Area of crack, A_{crack} (cm^2)	Exponent of equivalent foundation Peclet number, $\exp(\text{Pe}^f)$ (unitless)	Infinite source indoor attenuation coefficient, α (unitless)	Infinite source bldg. conc., $C_{building}$ ($\mu\text{g}/\text{m}^3$)	Unit risk factor, URF ($\mu\text{g}/\text{m}^3$) ⁻¹	Reference conc., RfC (mg/m^3)	
15	1.0E+00	1.25	8.3E+01	2.8E-04	5.0E+03	#NUM!	6.4E-06	6.4E-06	see Table 8	see Table 8	1,1,1,2-Tetrachloroethane
15	1.0E+00	1.25	8.3E+01	3.7E-04	5.0E+03	1.5E+297	8.4E-06	8.4E-06			1,1,1-Trichloroethane
15	1.0E+00	1.25	8.3E+01	4.7E-04	5.0E+03	1.6E+229	1.1E-05	1.1E-05			1,1-Dichloroethane
15	1.0E+00	1.25	8.3E+01	4.9E-04	5.0E+03	3.0E+223	1.1E-05	1.1E-05			1,1-Dichloroethylene (1,1-DCE)
15	1.0E+00	1.25	8.3E+01	3.4E-04	5.0E+03	#NUM!	7.9E-06	7.9E-06			1,2,4-Trimethylbenzene
15	1.0E+00	1.25	8.3E+01	3.4E-04	5.0E+03	#NUM!	7.8E-06	7.8E-06			1,3,5-Trimethylbenzene
15	1.0E+00	1.25	8.3E+01	3.6E-04	5.0E+03	1.9E+303	8.2E-06	8.2E-06			p-Isopropyltoluene (p-cymene)
15	1.0E+00	1.25	8.3E+01	5.1E-04	5.0E+03	1.7E+214	1.2E-05	1.2E-05			Benzene
15	1.0E+00	1.25	8.3E+01	4.1E-04	5.0E+03	5.2E+263	9.4E-06	9.4E-06			Chlorobenzene
15	1.0E+00	1.25	8.3E+01	4.4E-04	5.0E+03	7.7E+247	1.0E-05	1.0E-05			Chloroform
15	1.0E+00	1.25	8.3E+01	5.0E-04	5.0E+03	1.6E+216	1.1E-05	1.1E-05			cis-1,2-Dichloroethylene
15	1.0E+00	1.25	8.3E+01	4.3E-04	5.0E+03	1.2E+254	9.8E-06	9.8E-06			Dichlorodifluoromethane
15	1.0E+00	1.25	8.3E+01	3.9E-04	5.0E+03	3.4E+280	8.9E-06	8.9E-06			Ethylbenzene
15	1.0E+00	1.25	8.3E+01	2.1E-04	5.0E+03	#NUM!	4.9E-06	4.9E-06			1,1,2-Trichloro-1,2,2-trifluoroethane
15	1.0E+00	1.25	8.3E+01	3.0E-04	5.0E+03	#NUM!	6.9E-06	6.9E-06			n-Butylbenzene
15	1.0E+00	1.25	8.3E+01	3.4E-04	5.0E+03	#NUM!	7.8E-06	7.8E-06			n-Propylbenzene
15	1.0E+00	1.25	8.3E+01	2.8E-04	5.0E+03	#NUM!	6.6E-06	6.6E-06			Tetrachloroethylene (PCE)
15	1.0E+00	1.25	8.3E+01	4.4E-04	5.0E+03	5.2E+246	1.0E-05	1.0E-05			Toluene
15	1.0E+00	1.25	8.3E+01	3.9E-04	5.0E+03	7.4E+279	8.9E-06	8.9E-06			Trichloroethylene (TCE)
15	1.0E+00	1.25	8.3E+01	3.7E-04	5.0E+03	2.8E+295	8.4E-06	8.4E-06			Trichlorofluoromethane
15	1.0E+00	1.25	8.3E+01	3.9E-04	5.0E+03	1.0E+280	8.9E-06	8.9E-06			Xylene (total)

Soil Gas Concentration Data				SG-ADV Version 3.1; 02/04
ENTER Chemical CAS No. (numbers only, no dashes)	ENTER Soil gas conc., C_g ($\mu\text{g}/\text{m}^3$)	OR	ENTER Soil gas conc., C_g (ppmv)	Chemical
630206	1			1,1,1,2-Tetrachloroethane
71556	1			1,1,1-Trichloroethane
75343	1			1,1-Dichloroethane
75354	1			1,1-Dichloroethylene (1,1-DCE)
95636	1			1,2,4-Trimethylbenzene
108678	1			1,3,5-Trimethylbenzene
99876	1			p-Isopropyltoluene (p-cymene)
71432	1			Benzene
108907	1			Chlorobenzene
67663	1			Chloroform
156592	1			cis-1,2-Dichloroethylene
75718	1			Dichlorodifluoromethane
100414	1			Ethylbenzene
76131	1			1,1,2-Trichloro-1,2,2-trifluoroethane
104518	1			n-Butylbenzene
103651	1			n-Propylbenzene
127184	1			Tetrachloroethylene (PCE)
108883	1			Toluene
79016	1			Trichloroethylene (TCE)
75694	1			Trichlorofluoromethane
1330207	1			Xylene (total)

ENTER Depth below grade to bottom of enclosed space floor, L_F (cm)	ENTER Soil gas sampling depth below grade, L_S (cm)	ENTER Average soil temperature, T_S (°C)	ENTER Totals must add up to value of L_s (cell F24)			ENTER Soil stratum A SCS soil type (used to estimate soil vapor permeability)	ENTER User-defined stratum A soil vapor permeability, k_v (cm ²)	
15	457.5	19	427	30.5		S		
	15 ft bgs		14 ft bgs	1 ft bgs				
ENTER Stratum A SCS soil type Lookup Soil Parameters	ENTER Stratum A soil dry bulk density, ρ_b^A (g/cm ³)	ENTER Stratum A soil total porosity, n^A (unitless)	ENTER Stratum A soil water-filled porosity, θ_w^A (cm ³ /cm ³)	ENTER Stratum B SCS soil type Lookup Soil Parameters	ENTER Stratum B soil dry bulk density, ρ_b^B (g/cm ³)	ENTER Stratum B soil total porosity, n^B (unitless)	ENTER Stratum B soil water-filled porosity, θ_w^B (cm ³ /cm ³)	ENTER Stratum C SCS soil type Lookup Soil Parameters
S	1.77	0.333	0.224	SL	1.87	0.294	0.159	
ENTER Enclosed space floor thickness, L_{crack} (cm)	ENTER Soil-bldg. pressure differential, ΔP (g/cm-s ²)	ENTER Enclosed space floor length, L_B (cm)	ENTER Enclosed space floor width, W_B (cm)	ENTER Enclosed space height, H_B (cm)	ENTER Floor-wall seam crack width, w (cm)	ENTER Indoor air exchange rate, ER (1/h)	ENTER Average vapor flow rate into bldg. OR Leave blank to calculate Q_{soil} (L/m)	
15	40	1000	1000	244	0.1	0.5	5	
ENTER Averaging time for carcinogens, AT_C (yrs)	ENTER Averaging time for noncarcinogens, AT_{NC} (yrs)	ENTER Exposure duration, ED (yrs)	ENTER Exposure frequency, EF (days/yr)					
70	26	26	350					

15 ft bgs												
Exposure duration, τ (sec)	Source-building separation, L_T (cm)	Stratum A soil air-filled porosity, θ_a^A (cm ³ /cm ³)	Stratum B soil air-filled porosity, θ_a^B (cm ³ /cm ³)	Stratum C soil air-filled porosity, θ_a^C (cm ³ /cm ³)	Stratum A effective total fluid saturation, S_{te} (cm ³ /cm ³)	Stratum A soil intrinsic permeability, k_i (cm ²)	Stratum A soil relative air permeability, k_{rg} (cm ²)	Stratum A soil effective vapor permeability, k_v (cm ²)	Floor-wall seam perimeter, X_{crack} (cm)	Soil gas conc. (ug/m ³)	Bldg. ventilation rate, $Q_{building}$ (cm ³ /s)	
8.2E+08	442.5	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	3.4E+04	1,1,1,2-Tetrachloroethane
8.2E+08	442.5	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	3.4E+04	1,1,1-Trichloroethane
8.2E+08	442.5	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	3.4E+04	1,1-Dichloroethane
8.2E+08	442.5	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	3.4E+04	1,1-Dichloroethylene (1,1-DCE)
8.2E+08	442.5	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	3.4E+04	1,2,4-Trimethylbenzene
8.2E+08	442.5	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	3.4E+04	1,3,5-Trimethylbenzene
8.2E+08	442.5	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	3.4E+04	p-Isopropyltoluene (p-cymene)
8.2E+08	442.5	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	3.4E+04	Benzene
8.2E+08	442.5	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	3.4E+04	Chlorobenzene
8.2E+08	442.5	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	3.4E+04	Chloroform
8.2E+08	442.5	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	3.4E+04	cis-1,2-Dichloroethylene
8.2E+08	442.5	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	3.4E+04	Dichlorodifluoromethane
8.2E+08	442.5	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	3.4E+04	Ethylbenzene
8.2E+08	442.5	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	3.4E+04	1,1,2-Trichloro-1,2,2-trifluoroel
8.2E+08	442.5	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	3.4E+04	n-Butylbenzene
8.2E+08	442.5	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	3.4E+04	n-Propylbenzene
8.2E+08	442.5	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	3.4E+04	Tetrachloroethylene (PCE)
8.2E+08	442.5	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	3.4E+04	Toluene
8.2E+08	442.5	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	3.4E+04	Trichloroethylene (TCE)
8.2E+08	442.5	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	3.4E+04	Trichlorofluoromethane
8.2E+08	442.5	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	3.4E+04	Xylene (total)

15 ft bgs												
Area of enclosed space below grade, A_B (cm ²)	Crack-to-total area ratio, η (unitless)	Crack depth below grade, Z_{crack} (cm)	Enthalpy of vaporization at ave. soil temperature, $\Delta H_{v,TS}$ (cal/mol)	Henry's law constant at ave. soil temperature, H_{TS} (atm-m ³ /mol)	Henry's law constant at ave. soil temperature, H'_{TS} (unitless)	Vapor viscosity at ave. soil temperature, μ_{TS} (g/cm-s)	Stratum A effective diffusion coefficient, D_A^{eff} (cm ² /s)	Stratum B effective diffusion coefficient, D_B^{eff} (cm ² /s)	Stratum C effective diffusion coefficient, D_C^{eff} (cm ² /s)	Total overall effective diffusion coefficient, D_T^{eff} (cm ² /s)	Diffusion path length, L_d (cm)	
1.0E+06	5.0E-03	15	11,329	1.7E-03	7.0E-02	1.8E-04	2.8E-04	7.1E-04	0.0E+00	2.9E-04	442.5	1,1,1,2-Tetrachloroethane
1.0E+06	5.0E-03	15	7,787	1.3E-02	5.5E-01	1.8E-04	3.7E-04	9.5E-04	0.0E+00	3.8E-04	442.5	1,1,1-Trichloroethane
1.0E+06	5.0E-03	15	7,351	4.4E-03	1.8E-01	1.8E-04	4.7E-04	1.2E-03	0.0E+00	4.9E-04	442.5	1,1-Dichloroethane
1.0E+06	5.0E-03	15	6,333	2.1E-02	8.7E-01	1.8E-04	4.9E-04	1.3E-03	0.0E+00	5.1E-04	442.5	1,1-Dichloroethylene (1,1-DCE)
1.0E+06	5.0E-03	15	11,579	4.1E-03	1.7E-01	1.8E-04	3.4E-04	8.9E-04	0.0E+00	3.6E-04	442.5	1,2,4-Trimethylbenzene
1.0E+06	5.0E-03	15	11,561	5.9E-03	2.5E-01	1.8E-04	3.4E-04	8.9E-04	0.0E+00	3.6E-04	442.5	1,3,5-Trimethylbenzene
1.0E+06	5.0E-03	15	0	1.1E-02	4.6E-01	1.8E-04	3.6E-04	9.4E-04	0.0E+00	3.7E-04	442.5	p-Isopropyltoluene (p-cymene)
1.0E+06	5.0E-03	15	8,030	4.2E-03	1.8E-01	1.8E-04	5.1E-04	1.3E-03	0.0E+00	5.3E-04	442.5	Benzene
1.0E+06	5.0E-03	15	9,712	2.2E-03	9.3E-02	1.8E-04	4.1E-04	1.1E-03	0.0E+00	4.3E-04	442.5	Chlorobenzene
1.0E+06	5.0E-03	15	7,461	2.8E-03	1.2E-01	1.8E-04	4.4E-04	1.1E-03	0.0E+00	4.6E-04	442.5	Chloroform
1.0E+06	5.0E-03	15	7,643	3.1E-03	1.3E-01	1.8E-04	5.0E-04	1.3E-03	0.0E+00	5.2E-04	442.5	cis-1,2-Dichloroethylene
1.0E+06	5.0E-03	15	8,118	2.6E-01	1.1E+01	1.8E-04	4.3E-04	1.1E-03	0.0E+00	4.5E-04	442.5	Dichlorodifluoromethane
1.0E+06	5.0E-03	15	10,052	5.6E-03	2.3E-01	1.8E-04	3.9E-04	1.0E-03	0.0E+00	4.0E-04	442.5	Ethylbenzene
1.0E+06	5.0E-03	15	6,853	4.1E-01	1.7E+01	1.8E-04	2.1E-04	5.5E-04	0.0E+00	2.2E-04	442.5	1,1,2-Trichloro-1,2,2-trifluoroethane
1.0E+06	5.0E-03	15	11,734	1.1E-02	4.4E-01	1.8E-04	3.0E-04	7.8E-04	0.0E+00	3.1E-04	442.5	n-Butylbenzene
1.0E+06	5.0E-03	15	11,251	7.1E-03	3.0E-01	1.8E-04	3.4E-04	8.8E-04	0.0E+00	3.5E-04	442.5	n-Propylbenzene
1.0E+06	5.0E-03	15	9,462	1.3E-02	5.3E-01	1.8E-04	2.8E-04	7.4E-04	0.0E+00	3.0E-04	442.5	Tetrachloroethylene (PCE)
1.0E+06	5.0E-03	15	9,056	4.9E-03	2.0E-01	1.8E-04	4.4E-04	1.1E-03	0.0E+00	4.6E-04	442.5	Toluene
1.0E+06	5.0E-03	15	8,445	7.4E-03	3.1E-01	1.8E-04	3.9E-04	1.0E-03	0.0E+00	4.1E-04	442.5	Trichloroethylene (TCE)
1.0E+06	5.0E-03	15	6,053	7.9E-02	3.3E+00	1.8E-04	3.7E-04	9.6E-04	0.0E+00	3.8E-04	442.5	Trichlorofluoromethane
1.0E+06	5.0E-03	15	10,147	4.7E-03	1.9E-01	1.8E-04	3.9E-04	1.0E-03	0.0E+00	4.0E-04	442.5	Xylene (total)

15 ft bgs

Convection path length, L_p (cm)	Source vapor conc., C_{source} ($\mu\text{g}/\text{m}^3$)	Crack radius, r_{crack} (cm)	Average vapor flow rate into bldg., Q_{soil} (cm^3/s)	Crack effective diffusion coefficient, D_{crack} (cm^2/s)	Area of crack, A_{crack} (cm^2)	Exponent of equivalent foundation Peclet number, $\exp(Pe^f)$ (unitless)	Infinite source indoor attenuation coefficient, α (unitless)	Infinite source bldg. conc., $C_{building}$ ($\mu\text{g}/\text{m}^3$)	Unit risk factor, URF ($\mu\text{g}/\text{m}^3$) ⁻¹	Reference conc., RfC (mg/m^3)	
15	1.0E+00	1.25	8.3E+01	2.8E-04	5.0E+03	#NUM!	1.9E-05	1.9E-05	see Table 8	see Table 8	1,1,1,2-Tetrachloroethane
15	1.0E+00	1.25	8.3E+01	3.7E-04	5.0E+03	1.5E+297	2.5E-05	2.5E-05			1,1,1-Trichloroethane
15	1.0E+00	1.25	8.3E+01	4.7E-04	5.0E+03	1.6E+229	3.3E-05	3.3E-05			1,1-Dichloroethane
15	1.0E+00	1.25	8.3E+01	4.9E-04	5.0E+03	3.0E+223	3.3E-05	3.3E-05			1,1-Dichloroethylene (1,1-DCE)
15	1.0E+00	1.25	8.3E+01	3.4E-04	5.0E+03	#NUM!	2.4E-05	2.4E-05			1,2,4-Trimethylbenzene
15	1.0E+00	1.25	8.3E+01	3.4E-04	5.0E+03	#NUM!	2.3E-05	2.3E-05			1,3,5-Trimethylbenzene
15	1.0E+00	1.25	8.3E+01	3.6E-04	5.0E+03	1.9E+303	2.5E-05	2.5E-05			p-Isopropyltoluene (p-cymene)
15	1.0E+00	1.25	8.3E+01	5.1E-04	5.0E+03	1.7E+214	3.5E-05	3.5E-05			Benzene
15	1.0E+00	1.25	8.3E+01	4.1E-04	5.0E+03	5.2E+263	2.8E-05	2.8E-05			Chlorobenzene
15	1.0E+00	1.25	8.3E+01	4.4E-04	5.0E+03	7.7E+247	3.0E-05	3.0E-05			Chloroform
15	1.0E+00	1.25	8.3E+01	5.0E-04	5.0E+03	1.6E+216	3.4E-05	3.4E-05			cis-1,2-Dichloroethylene
15	1.0E+00	1.25	8.3E+01	4.3E-04	5.0E+03	1.2E+254	2.9E-05	2.9E-05			Dichlorodifluoromethane
15	1.0E+00	1.25	8.3E+01	3.9E-04	5.0E+03	3.4E+280	2.7E-05	2.7E-05			Ethylbenzene
15	1.0E+00	1.25	8.3E+01	2.1E-04	5.0E+03	#NUM!	1.5E-05	1.5E-05			1,1,2-Trichloro-1,2,2-trifluoroethane
15	1.0E+00	1.25	8.3E+01	3.0E-04	5.0E+03	#NUM!	2.1E-05	2.1E-05			n-Butylbenzene
15	1.0E+00	1.25	8.3E+01	3.4E-04	5.0E+03	#NUM!	2.3E-05	2.3E-05			n-Propylbenzene
15	1.0E+00	1.25	8.3E+01	2.8E-04	5.0E+03	#NUM!	2.0E-05	2.0E-05			Tetrachloroethylene (PCE)
15	1.0E+00	1.25	8.3E+01	4.4E-04	5.0E+03	5.2E+246	3.0E-05	3.0E-05			Toluene
15	1.0E+00	1.25	8.3E+01	3.9E-04	5.0E+03	7.4E+279	2.7E-05	2.7E-05			Trichloroethylene (TCE)
15	1.0E+00	1.25	8.3E+01	3.7E-04	5.0E+03	2.8E+295	2.5E-05	2.5E-05			Trichlorofluoromethane
15	1.0E+00	1.25	8.3E+01	3.9E-04	5.0E+03	1.0E+280	2.7E-05	2.7E-05			Xylene (total)

Soil Gas Concentration Data					SG-ADV Version 3.1; 02/04
ENTER Chemical CAS No. (numbers only, no dashes)	ENTER Soil gas conc., C_g ($\mu\text{g}/\text{m}^3$)	OR	ENTER Soil gas conc., C_g (ppmv)	Chemical	
630206	1			1,1,1,2-Tetrachloroethane	
71556	1			1,1,1-Trichloroethane	
75343	1			1,1-Dichloroethane	
75354	1			1,1-Dichloroethylene (1,1-DCE)	
95636	1			1,2,4-Trimethylbenzene	
108678	1			1,3,5-Trimethylbenzene	
99876	1			p-Isopropyltoluene (p-cymene)	
71432	1			Benzene	
108907	1			Chlorobenzene	
67663	1			Chloroform	
156592	1			cis-1,2-Dichloroethylene	
75718	1			Dichlorodifluoromethane	
100414	1			Ethylbenzene	
76131	1			1,1,2-Trichloro-1,2,2-trifluoroethane	
104518	1			n-Butylbenzene	
103651	1			n-Propylbenzene	
127184	1			Tetrachloroethylene (PCE)	
108883	1			Toluene	
79016	1			Trichloroethylene (TCE)	
75694	1			Trichlorofluoromethane	
1330207	1			Xylene (total)	

ENTER Depth below grade to bottom of enclosed space floor, L_F (cm)	ENTER Soil gas sampling depth below grade, L_S (cm)	ENTER Average soil temperature, T_S (°C)	Totals must add up to value of L_S (cell F)			ENTER Error	ENTER Error	ENTER User-defined stratum A soil vapor permeability, k_v (cm ²)
			ENTER Thickness of soil stratum A, h_A (cm)	ENTER Thickness of soil stratum B, (Enter value or 0) h_B (cm)	ENTER Thickness of soil stratum C, (Enter value or 0) h_C (cm)	ENTER stratum A SCS soil type (used to estimate soil vapor permeability)	OR	
15	610	19	427	183		S		
20 ft bgs		14 ft bgs		6 ft bgs				
ENTER Stratum A SCS soil type Lookup Soil Parameters	ENTER Stratum A soil dry bulk density, ρ_b^A (g/cm ³)	ENTER Stratum A soil total porosity, n^A (unitless)	ENTER Stratum A soil water-filled porosity, θ_w^A (cm ³ /cm ³)	ENTER Stratum B SCS soil type Lookup Soil Parameters	ENTER Stratum B soil dry bulk density, ρ_b^B (g/cm ³)	ENTER Stratum B soil total porosity, n^B (unitless)	ENTER Stratum B soil water-filled porosity, θ_w^B (cm ³ /cm ³)	ENTER Stratum C SCS soil type Lookup Soil Parameters
S	1.77	0.333	0.224	SL	1.87	0.294	0.159	
ENTER Enclosed space floor thickness, L_{crack} (cm)	ENTER Soil-bldg. pressure differential, ΔP (g/cm-s ²)	ENTER Enclosed space floor length, L_B (cm)	ENTER Enclosed space floor width, W_B (cm)	ENTER Enclosed space height, H_B (cm)	ENTER Floor-wall seam crack width, w (cm)	ENTER Indoor air exchange rate, ER (1/h)	ENTER Average vapor flow rate into bldg. OR Leave blank to calculate Q_{soil} (L/m)	
15	40	1000	1000	366	0.1	1	5	
ENTER Averaging time for carcinogens, AT_C (yrs)	ENTER Averaging time for noncarcinogens, AT_{NC} (yrs)	ENTER Exposure duration, ED (yrs)	ENTER Exposure frequency, EF (days/yr)					
70	25	25	250					

												20 ft bgs
Exposure duration, τ (sec)	Source-building separation, L_T (cm)	Stratum A soil air-filled porosity, θ_a^A (cm ³ /cm ³)	Stratum B soil air-filled porosity, θ_a^B (cm ³ /cm ³)	Stratum C soil air-filled porosity, θ_a^C (cm ³ /cm ³)	Stratum A effective total fluid saturation, S_{te} (cm ³ /cm ³)	Stratum A soil intrinsic permeability, k_i (cm ²)	Stratum A soil relative air permeability, k_{rg} (cm ²)	Stratum A soil effective vapor permeability, k_v (cm ²)	Floor-wall seam perimeter, X_{crack} (cm)	Soil gas conc. (ug/m ³)	Bldg. ventilation rate, $Q_{building}$ (cm ³ /s)	
7.9E+08	595	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	1.0E+05	1,1,1,2-Tetrachloroethane
7.9E+08	595	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	1.0E+05	1,1,1-Trichloroethane
7.9E+08	595	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	1.0E+05	1,1-Dichloroethane
7.9E+08	595	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	1.0E+05	1,1-Dichloroethylene (1,1-DCE)
7.9E+08	595	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	1.0E+05	1,2,4-Trimethylbenzene
7.9E+08	595	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	1.0E+05	1,3,5-Trimethylbenzene
7.9E+08	595	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	1.0E+05	p-Isopropyltoluene (p-cymene)
7.9E+08	595	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	1.0E+05	Benzene
7.9E+08	595	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	1.0E+05	Chlorobenzene
7.9E+08	595	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	1.0E+05	Chloroform
7.9E+08	595	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	1.0E+05	cis-1,2-Dichloroethylene
7.9E+08	595	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	1.0E+05	Dichlorodifluoromethane
7.9E+08	595	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	1.0E+05	Ethylbenzene
7.9E+08	595	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	1.0E+05	1,1,2-Trichloro-1,2,2-trifluoroel
7.9E+08	595	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	1.0E+05	n-Butylbenzene
7.9E+08	595	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	1.0E+05	n-Propylbenzene
7.9E+08	595	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	1.0E+05	Tetrachloroethylene (PCE)
7.9E+08	595	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	1.0E+05	Toluene
7.9E+08	595	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	1.0E+05	Trichloroethylene (TCE)
7.9E+08	595	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	1.0E+05	Trichlorofluoromethane
7.9E+08	595	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	1.0E+05	Xylene (total)

20 ft bgs												
Area of enclosed space below grade, A_B (cm ²)	Crack-to-total area ratio, η (unitless)	Crack depth below grade, Z_{crack} (cm)	Enthalpy of vaporization at ave. soil temperature, $\Delta H_{v,TS}$ (cal/mol)	Henry's law constant at ave. soil temperature, H_{TS} (atm-m ³ /mol)	Henry's law constant at ave. soil temperature, H'_{TS} (unitless)	Vapor viscosity at ave. soil temperature, μ_{TS} (g/cm-s)	Stratum A effective diffusion coefficient, D_A^{eff} (cm ² /s)	Stratum B effective diffusion coefficient, D_B^{eff} (cm ² /s)	Stratum C effective diffusion coefficient, D_C^{eff} (cm ² /s)	Total overall effective diffusion coefficient, D_T^{eff} (cm ² /s)	Diffusion path length, L_d (cm)	
1.0E+06	5.0E-03	15	11,329	1.7E-03	7.0E-02	1.8E-04	2.8E-04	7.1E-04	0.0E+00	3.4E-04	595	1,1,1,2-Tetrachloroethane
1.0E+06	5.0E-03	15	7,787	1.3E-02	5.5E-01	1.8E-04	3.7E-04	9.5E-04	0.0E+00	4.5E-04	595	1,1,1-Trichloroethane
1.0E+06	5.0E-03	15	7,351	4.4E-03	1.8E-01	1.8E-04	4.7E-04	1.2E-03	0.0E+00	5.8E-04	595	1,1-Dichloroethane
1.0E+06	5.0E-03	15	6,333	2.1E-02	8.7E-01	1.8E-04	4.9E-04	1.3E-03	0.0E+00	6.0E-04	595	1,1-Dichloroethylene (1,1-DCE)
1.0E+06	5.0E-03	15	11,579	4.1E-03	1.7E-01	1.8E-04	3.4E-04	8.9E-04	0.0E+00	4.2E-04	595	1,2,4-Trimethylbenzene
1.0E+06	5.0E-03	15	11,561	5.9E-03	2.5E-01	1.8E-04	3.4E-04	8.9E-04	0.0E+00	4.2E-04	595	1,3,5-Trimethylbenzene
1.0E+06	5.0E-03	15	0	1.1E-02	4.6E-01	1.8E-04	3.6E-04	9.4E-04	0.0E+00	4.4E-04	595	p-Isopropyltoluene (p-cymene)
1.0E+06	5.0E-03	15	8,030	4.2E-03	1.8E-01	1.8E-04	5.1E-04	1.3E-03	0.0E+00	6.3E-04	595	Benzene
1.0E+06	5.0E-03	15	9,712	2.2E-03	9.3E-02	1.8E-04	4.1E-04	1.1E-03	0.0E+00	5.1E-04	595	Chlorobenzene
1.0E+06	5.0E-03	15	7,461	2.8E-03	1.2E-01	1.8E-04	4.4E-04	1.1E-03	0.0E+00	5.4E-04	595	Chloroform
1.0E+06	5.0E-03	15	7,643	3.1E-03	1.3E-01	1.8E-04	5.0E-04	1.3E-03	0.0E+00	6.2E-04	595	cis-1,2-Dichloroethylene
1.0E+06	5.0E-03	15	8,118	2.6E-01	1.1E+01	1.8E-04	4.3E-04	1.1E-03	0.0E+00	5.3E-04	595	Dichlorodifluoromethane
1.0E+06	5.0E-03	15	10,052	5.6E-03	2.3E-01	1.8E-04	3.9E-04	1.0E-03	0.0E+00	4.8E-04	595	Ethylbenzene
1.0E+06	5.0E-03	15	6,853	4.1E-01	1.7E+01	1.8E-04	2.1E-04	5.5E-04	0.0E+00	2.6E-04	595	1,1,2-Trichloro-1,2,2-trifluoroethane
1.0E+06	5.0E-03	15	11,734	1.1E-02	4.4E-01	1.8E-04	3.0E-04	7.8E-04	0.0E+00	3.7E-04	595	n-Butylbenzene
1.0E+06	5.0E-03	15	11,251	7.1E-03	3.0E-01	1.8E-04	3.4E-04	8.8E-04	0.0E+00	4.2E-04	595	n-Propylbenzene
1.0E+06	5.0E-03	15	9,462	1.3E-02	5.3E-01	1.8E-04	2.8E-04	7.4E-04	0.0E+00	3.5E-04	595	Tetrachloroethylene (PCE)
1.0E+06	5.0E-03	15	9,056	4.9E-03	2.0E-01	1.8E-04	4.4E-04	1.1E-03	0.0E+00	5.4E-04	595	Toluene
1.0E+06	5.0E-03	15	8,445	7.4E-03	3.1E-01	1.8E-04	3.9E-04	1.0E-03	0.0E+00	4.8E-04	595	Trichloroethylene (TCE)
1.0E+06	5.0E-03	15	6,053	7.9E-02	3.3E+00	1.8E-04	3.7E-04	9.6E-04	0.0E+00	4.5E-04	595	Trichlorofluoromethane
1.0E+06	5.0E-03	15	10,147	4.7E-03	1.9E-01	1.8E-04	3.9E-04	1.0E-03	0.0E+00	4.8E-04	595	Xylene (total)

										20 ft bgs	
Convection path length, L_p (cm)	Source vapor conc., C_{source} ($\mu\text{g}/\text{m}^3$)	Crack radius, r_{crack} (cm)	Average vapor flow rate into bldg., Q_{soil} (cm^3/s)	Crack effective diffusion coefficient, D^{crack} (cm^2/s)	Area of crack, A_{crack} (cm^2)	Exponent of equivalent foundation Peclet number, $\exp(\text{Pe}^f)$ (unitless)	Infinite source indoor attenuation coefficient, α (unitless)	Infinite source bldg. conc., $C_{building}$ ($\mu\text{g}/\text{m}^3$)	Unit risk factor, URF ($\mu\text{g}/\text{m}^3$) ⁻¹	Reference conc., RfC (mg/m^3)	
15	1.0E+00	1.25	8.3E+01	2.8E-04	5.0E+03	#NUM!	5.6E-06	5.6E-06	see Table 8	see Table 8	1,1,1,2-Tetrachloroethane
15	1.0E+00	1.25	8.3E+01	3.7E-04	5.0E+03	1.5E+297	7.4E-06	7.4E-06			1,1,1-Trichloroethane
15	1.0E+00	1.25	8.3E+01	4.7E-04	5.0E+03	1.6E+229	9.5E-06	9.5E-06			1,1-Dichloroethane
15	1.0E+00	1.25	8.3E+01	4.9E-04	5.0E+03	3.0E+223	9.8E-06	9.8E-06			1,1-Dichloroethylene (1,1-DCE)
15	1.0E+00	1.25	8.3E+01	3.4E-04	5.0E+03	#NUM!	7.0E-06	7.0E-06			1,2,4-Trimethylbenzene
15	1.0E+00	1.25	8.3E+01	3.4E-04	5.0E+03	#NUM!	6.9E-06	6.9E-06			1,3,5-Trimethylbenzene
15	1.0E+00	1.25	8.3E+01	3.6E-04	5.0E+03	1.9E+303	7.2E-06	7.2E-06			p-Isopropyltoluene (p-cymene)
15	1.0E+00	1.25	8.3E+01	5.1E-04	5.0E+03	1.7E+214	1.0E-05	1.0E-05			Benzene
15	1.0E+00	1.25	8.3E+01	4.1E-04	5.0E+03	5.2E+263	8.3E-06	8.3E-06			Chlorobenzene
15	1.0E+00	1.25	8.3E+01	4.4E-04	5.0E+03	7.7E+247	8.8E-06	8.8E-06			Chloroform
15	1.0E+00	1.25	8.3E+01	5.0E-04	5.0E+03	1.6E+216	1.0E-05	1.0E-05			cis-1,2-Dichloroethylene
15	1.0E+00	1.25	8.3E+01	4.3E-04	5.0E+03	1.2E+254	8.6E-06	8.6E-06			Dichlorodifluoromethane
15	1.0E+00	1.25	8.3E+01	3.9E-04	5.0E+03	3.4E+280	7.8E-06	7.8E-06			Ethylbenzene
15	1.0E+00	1.25	8.3E+01	2.1E-04	5.0E+03	#NUM!	4.3E-06	4.3E-06			1,1,2-Trichloro-1,2,2-trifluoroethane
15	1.0E+00	1.25	8.3E+01	3.0E-04	5.0E+03	#NUM!	6.0E-06	6.0E-06			n-Butylbenzene
15	1.0E+00	1.25	8.3E+01	3.4E-04	5.0E+03	#NUM!	6.9E-06	6.9E-06			n-Propylbenzene
15	1.0E+00	1.25	8.3E+01	2.8E-04	5.0E+03	#NUM!	5.8E-06	5.8E-06			Tetrachloroethylene (PCE)
15	1.0E+00	1.25	8.3E+01	4.4E-04	5.0E+03	5.2E+246	8.9E-06	8.9E-06			Toluene
15	1.0E+00	1.25	8.3E+01	3.9E-04	5.0E+03	7.4E+279	7.8E-06	7.8E-06			Trichloroethylene (TCE)
15	1.0E+00	1.25	8.3E+01	3.7E-04	5.0E+03	2.8E+295	7.4E-06	7.4E-06			Trichlorofluoromethane
15	1.0E+00	1.25	8.3E+01	3.9E-04	5.0E+03	1.0E+280	7.8E-06	7.8E-06			Xylene (total)

Soil Gas Concentration Data				SG-ADV Version 3.1; 02/04
ENTER Chemical CAS No. (numbers only, no dashes)	ENTER Soil gas conc., C_g ($\mu\text{g}/\text{m}^3$)	OR	ENTER Soil gas conc., C_g (ppmv)	Chemical
630206	1			1,1,1,2-Tetrachloroethane
71556	1			1,1,1-Trichloroethane
75343	1			1,1-Dichloroethane
75354	1			1,1-Dichloroethylene (1,1-DCE)
95636	1			1,2,4-Trimethylbenzene
108678	1			1,3,5-Trimethylbenzene
99876	1			p-Isopropyltoluene (p-cymene)
71432	1			Benzene
108907	1			Chlorobenzene
67663	1			Chloroform
156592	1			cis-1,2-Dichloroethylene
75718	1			Dichlorodifluoromethane
100414	1			Ethylbenzene
76131	1			1,1,2-Trichloro-1,2,2-trifluoroethane
104518	1			n-Butylbenzene
103651	1			n-Propylbenzene
127184	1			Tetrachloroethylene (PCE)
108883	1			Toluene
79016	1			Trichloroethylene (TCE)
75694	1			Trichlorofluoromethane
1330207	1			Xylene (total)

ENTER Depth below grade to bottom of enclosed space floor, L_F (cm)	ENTER Soil gas sampling depth below grade, L_S (cm)	ENTER Average soil temperature, T_S (°C)	ENTER Totals must add up to value of L_s (cell F24)			ENTER Soil stratum A SCS soil type (used to estimate soil vapor permeability)	ENTER User-defined stratum A soil vapor permeability, k_v (cm ²)
15	610	19	427	183		S	
20 ft bgs		14 ft bgs		6 ft bgs			
ENTER Stratum A SCS soil type Lookup Soil Parameters	ENTER Stratum A soil dry bulk density, ρ_b^A (g/cm ³)	ENTER Stratum A soil total porosity, n^A (unitless)	ENTER Stratum A soil water-filled porosity, θ_w^A (cm ³ /cm ³)	ENTER Stratum B SCS soil type Lookup Soil Parameters	ENTER Stratum B soil dry bulk density, ρ_b^B (g/cm ³)	ENTER Stratum B soil total porosity, n^B (unitless)	ENTER Stratum B soil water-filled porosity, θ_w^B (cm ³ /cm ³)
S	1.77	0.333	0.224	SL	1.87	0.294	0.159
ENTER Enclosed space floor thickness, L_{crack} (cm)	ENTER Soil-bldg. pressure differential, ΔP (g/cm-s ²)	ENTER Enclosed space floor length, L_B (cm)	ENTER Enclosed space floor width, W_B (cm)	ENTER Enclosed space height, H_B (cm)	ENTER Floor-wall seam crack width, w (cm)	ENTER Indoor air exchange rate, ER (1/h)	ENTER Average vapor flow rate into bldg. OR Leave blank to calculate Q_{soil} (L/m)
15	40	1000	1000	244	0.1	0.5	5
ENTER Averaging time for carcinogens, AT_C (yrs)	ENTER Averaging time for noncarcinogens, AT_{NC} (yrs)	ENTER Exposure duration, ED (yrs)	ENTER Exposure frequency, EF (days/yr)				
70	26	26	350				

												20 ft bgs
Exposure duration, τ (sec)	Source-building separation, L_T (cm)	Stratum A soil air-filled porosity, θ_a^A (cm ³ /cm ³)	Stratum B soil air-filled porosity, θ_a^B (cm ³ /cm ³)	Stratum C soil air-filled porosity, θ_a^C (cm ³ /cm ³)	Stratum A effective total fluid saturation, S_{te} (cm ³ /cm ³)	Stratum A soil intrinsic permeability, k_i (cm ²)	Stratum A soil relative air permeability, k_{rg} (cm ²)	Stratum A soil effective vapor permeability, k_v (cm ²)	Floor-wall seam perimeter, X_{crack} (cm)	Soil gas conc. (ug/m ³)	Bldg. ventilation rate, $Q_{building}$ (cm ³ /s)	
8.2E+08	595	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	3.4E+04	1,1,1,2-Tetrachloroethane
8.2E+08	595	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	3.4E+04	1,1,1-Trichloroethane
8.2E+08	595	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	3.4E+04	1,1-Dichloroethane
8.2E+08	595	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	3.4E+04	1,1-Dichloroethylene (1,1-DCE)
8.2E+08	595	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	3.4E+04	1,2,4-Trimethylbenzene
8.2E+08	595	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	3.4E+04	1,3,5-Trimethylbenzene
8.2E+08	595	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	3.4E+04	p-Isopropyltoluene (p-cymene)
8.2E+08	595	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	3.4E+04	Benzene
8.2E+08	595	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	3.4E+04	Chlorobenzene
8.2E+08	595	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	3.4E+04	Chloroform
8.2E+08	595	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	3.4E+04	cis-1,2-Dichloroethylene
8.2E+08	595	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	3.4E+04	Dichlorodifluoromethane
8.2E+08	595	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	3.4E+04	Ethylbenzene
8.2E+08	595	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	3.4E+04	1,1,2-Trichloro-1,2,2-trifluoroel
8.2E+08	595	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	3.4E+04	n-Butylbenzene
8.2E+08	595	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	3.4E+04	n-Propylbenzene
8.2E+08	595	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	3.4E+04	Tetrachloroethylene (PCE)
8.2E+08	595	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	3.4E+04	Toluene
8.2E+08	595	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	3.4E+04	Trichloroethylene (TCE)
8.2E+08	595	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	3.4E+04	Trichlorofluoromethane
8.2E+08	595	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	3.4E+04	Xylene (total)

20 ft bgs												
Area of enclosed space below grade, A_B (cm^2)	Crack-to-total area ratio, η (unitless)	Crack depth below grade, Z_{crack} (cm)	Enthalpy of vaporization at ave. soil temperature, $\Delta H_{v,TS}$ (cal/mol)	Henry's law constant at ave. soil temperature, H_{TS} ($\text{atm}\cdot\text{m}^3/\text{mol}$)	Henry's law constant at ave. soil temperature, H'_{TS} (unitless)	Vapor viscosity at ave. soil temperature, μ_{TS} (g/cm-s)	Stratum A effective diffusion coefficient, D^{eff}_A (cm^2/s)	Stratum B effective diffusion coefficient, D^{eff}_B (cm^2/s)	Stratum C effective diffusion coefficient, D^{eff}_C (cm^2/s)	Total overall effective diffusion coefficient, D^{eff}_T (cm^2/s)	Diffusion path length, L_d (cm)	
1.0E+06	5.0E-03	15	11,329	1.7E-03	7.0E-02	1.8E-04	2.8E-04	7.1E-04	0.0E+00	3.4E-04	595	1,1,1,2-Tetrachloroethane
1.0E+06	5.0E-03	15	7,787	1.3E-02	5.5E-01	1.8E-04	3.7E-04	9.5E-04	0.0E+00	4.5E-04	595	1,1,1-Trichloroethane
1.0E+06	5.0E-03	15	7,351	4.4E-03	1.8E-01	1.8E-04	4.7E-04	1.2E-03	0.0E+00	5.8E-04	595	1,1-Dichloroethane
1.0E+06	5.0E-03	15	6,333	2.1E-02	8.7E-01	1.8E-04	4.9E-04	1.3E-03	0.0E+00	6.0E-04	595	1,1-Dichloroethylene (1,1-DCE)
1.0E+06	5.0E-03	15	11,579	4.1E-03	1.7E-01	1.8E-04	3.4E-04	8.9E-04	0.0E+00	4.2E-04	595	1,2,4-Trimethylbenzene
1.0E+06	5.0E-03	15	11,561	5.9E-03	2.5E-01	1.8E-04	3.4E-04	8.9E-04	0.0E+00	4.2E-04	595	1,3,5-Trimethylbenzene
1.0E+06	5.0E-03	15	0	1.1E-02	4.6E-01	1.8E-04	3.6E-04	9.4E-04	0.0E+00	4.4E-04	595	p-Isopropyltoluene (p-cymene)
1.0E+06	5.0E-03	15	8,030	4.2E-03	1.8E-01	1.8E-04	5.1E-04	1.3E-03	0.0E+00	6.3E-04	595	Benzene
1.0E+06	5.0E-03	15	9,712	2.2E-03	9.3E-02	1.8E-04	4.1E-04	1.1E-03	0.0E+00	5.1E-04	595	Chlorobenzene
1.0E+06	5.0E-03	15	7,461	2.8E-03	1.2E-01	1.8E-04	4.4E-04	1.1E-03	0.0E+00	5.4E-04	595	Chloroform
1.0E+06	5.0E-03	15	7,643	3.1E-03	1.3E-01	1.8E-04	5.0E-04	1.3E-03	0.0E+00	6.2E-04	595	cis-1,2-Dichloroethylene
1.0E+06	5.0E-03	15	8,118	2.6E-01	1.1E+01	1.8E-04	4.3E-04	1.1E-03	0.0E+00	5.3E-04	595	Dichlorodifluoromethane
1.0E+06	5.0E-03	15	10,052	5.6E-03	2.3E-01	1.8E-04	3.9E-04	1.0E-03	0.0E+00	4.8E-04	595	Ethylbenzene
1.0E+06	5.0E-03	15	6,853	4.1E-01	1.7E+01	1.8E-04	2.1E-04	5.5E-04	0.0E+00	2.6E-04	595	1,1,2-Trichloro-1,2,2-trifluoroet
1.0E+06	5.0E-03	15	11,734	1.1E-02	4.4E-01	1.8E-04	3.0E-04	7.8E-04	0.0E+00	3.7E-04	595	n-Butylbenzene
1.0E+06	5.0E-03	15	11,251	7.1E-03	3.0E-01	1.8E-04	3.4E-04	8.8E-04	0.0E+00	4.2E-04	595	n-Propylbenzene
1.0E+06	5.0E-03	15	9,462	1.3E-02	5.3E-01	1.8E-04	2.8E-04	7.4E-04	0.0E+00	3.5E-04	595	Tetrachloroethylene (PCE)
1.0E+06	5.0E-03	15	9,056	4.9E-03	2.0E-01	1.8E-04	4.4E-04	1.1E-03	0.0E+00	5.4E-04	595	Toluene
1.0E+06	5.0E-03	15	8,445	7.4E-03	3.1E-01	1.8E-04	3.9E-04	1.0E-03	0.0E+00	4.8E-04	595	Trichloroethylene (TCE)
1.0E+06	5.0E-03	15	6,053	7.9E-02	3.3E+00	1.8E-04	3.7E-04	9.6E-04	0.0E+00	4.5E-04	595	Trichlorofluoromethane
1.0E+06	5.0E-03	15	10,147	4.7E-03	1.9E-01	1.8E-04	3.9E-04	1.0E-03	0.0E+00	4.8E-04	595	Xylene (total)

20 ft bgs

Convection path length, L_p (cm)	Source vapor conc., C_{source} ($\mu\text{g}/\text{m}^3$)	Crack radius, r_{crack} (cm)	Average vapor flow rate into bldg., Q_{soil} (cm^3/s)	Crack effective diffusion coefficient, D_{crack} (cm^2/s)	Area of crack, A_{crack} (cm^2)	Exponent of equivalent foundation Peclet number, $\exp(Pe^f)$ (unitless)	Infinite source indoor attenuation coefficient, α (unitless)	Infinite source bldg. conc., $C_{building}$ ($\mu\text{g}/\text{m}^3$)	Unit risk factor, URF ($\mu\text{g}/\text{m}^3$) ⁻¹	Reference conc., RfC (mg/m^3)	
15	1.0E+00	1.25	8.3E+01	2.8E-04	5.0E+03	#NUM!	1.7E-05	1.7E-05	see Table 8	see Table 8	1,1,1,2-Tetrachloroethane
15	1.0E+00	1.25	8.3E+01	3.7E-04	5.0E+03	1.5E+297	2.2E-05	2.2E-05			1,1,1-Trichloroethane
15	1.0E+00	1.25	8.3E+01	4.7E-04	5.0E+03	1.6E+229	2.9E-05	2.9E-05			1,1-Dichloroethane
15	1.0E+00	1.25	8.3E+01	4.9E-04	5.0E+03	3.0E+223	2.9E-05	2.9E-05			1,1-Dichloroethylene (1,1-DCE)
15	1.0E+00	1.25	8.3E+01	3.4E-04	5.0E+03	#NUM!	2.1E-05	2.1E-05			1,2,4-Trimethylbenzene
15	1.0E+00	1.25	8.3E+01	3.4E-04	5.0E+03	#NUM!	2.1E-05	2.1E-05			1,3,5-Trimethylbenzene
15	1.0E+00	1.25	8.3E+01	3.6E-04	5.0E+03	1.9E+303	2.2E-05	2.2E-05			p-Isopropyltoluene (p-cymene)
15	1.0E+00	1.25	8.3E+01	5.1E-04	5.0E+03	1.7E+214	3.1E-05	3.1E-05			Benzene
15	1.0E+00	1.25	8.3E+01	4.1E-04	5.0E+03	5.2E+263	2.5E-05	2.5E-05			Chlorobenzene
15	1.0E+00	1.25	8.3E+01	4.4E-04	5.0E+03	7.7E+247	2.6E-05	2.6E-05			Chloroform
15	1.0E+00	1.25	8.3E+01	5.0E-04	5.0E+03	1.6E+216	3.0E-05	3.0E-05			cis-1,2-Dichloroethylene
15	1.0E+00	1.25	8.3E+01	4.3E-04	5.0E+03	1.2E+254	2.6E-05	2.6E-05			Dichlorodifluoromethane
15	1.0E+00	1.25	8.3E+01	3.9E-04	5.0E+03	3.4E+280	2.3E-05	2.3E-05			Ethylbenzene
15	1.0E+00	1.25	8.3E+01	2.1E-04	5.0E+03	#NUM!	1.3E-05	1.3E-05			1,1,2-Trichloro-1,2,2-trifluoroethane
15	1.0E+00	1.25	8.3E+01	3.0E-04	5.0E+03	#NUM!	1.8E-05	1.8E-05			n-Butylbenzene
15	1.0E+00	1.25	8.3E+01	3.4E-04	5.0E+03	#NUM!	2.1E-05	2.1E-05			n-Propylbenzene
15	1.0E+00	1.25	8.3E+01	2.8E-04	5.0E+03	#NUM!	1.7E-05	1.7E-05			Tetrachloroethylene (PCE)
15	1.0E+00	1.25	8.3E+01	4.4E-04	5.0E+03	5.2E+246	2.7E-05	2.7E-05			Toluene
15	1.0E+00	1.25	8.3E+01	3.9E-04	5.0E+03	7.4E+279	2.4E-05	2.4E-05			Trichloroethylene (TCE)
15	1.0E+00	1.25	8.3E+01	3.7E-04	5.0E+03	2.8E+295	2.2E-05	2.2E-05			Trichlorofluoromethane
15	1.0E+00	1.25	8.3E+01	3.9E-04	5.0E+03	1.0E+280	2.3E-05	2.3E-05			Xylene (total)

Soil Gas Concentration Data					SG-ADV Version 3.1; 02/04
ENTER Chemical CAS No. (numbers only, no dashes)	ENTER Soil gas conc., C_g ($\mu\text{g}/\text{m}^3$)	OR	ENTER Soil gas conc., C_g (ppmv)	Chemical	
630206	1			1,1,1,2-Tetrachloroethane	
71556	1			1,1,1-Trichloroethane	
75343	1			1,1-Dichloroethane	
75354	1			1,1-Dichloroethylene (1,1-DCE)	
95636	1			1,2,4-Trimethylbenzene	
108678	1			1,3,5-Trimethylbenzene	
99876	1			p-Isopropyltoluene (p-cymene)	
71432	1			Benzene	
108907	1			Chlorobenzene	
67663	1			Chloroform	
156592	1			cis-1,2-Dichloroethylene	
75718	1			Dichlorodifluoromethane	
100414	1			Ethylbenzene	
76131	1			1,1,2-Trichloro-1,2,2-trifluoroethane	
104518	1			n-Butylbenzene	
103651	1			n-Propylbenzene	
127184	1			Tetrachloroethylene (PCE)	
108883	1			Toluene	
79016	1			Trichloroethylene (TCE)	
75694	1			Trichlorofluoromethane	
1330207	1			Xylene (total)	

ENTER Depth below grade to bottom of enclosed space floor, L_F (cm)	ENTER Soil gas sampling depth below grade, L_S (cm)	ENTER Average soil temperature, T_S (°C)	Totals must add up to value of L_S (cell F)			ENTER Error	ENTER Error	ENTER User-defined stratum A soil vapor permeability, k_v (cm ²)
			Thickness of soil stratum A, h_A (cm)	Thickness of soil stratum B, (Enter value or 0) h_B (cm)	Thickness of soil stratum C, (Enter value or 0) h_C (cm)	stratum A SCS soil type (used to estimate soil vapor permeability)	OR	
15	915	19	427	488		S		
30 ft bgs		14 ft bgs		16 ft bgs				
ENTER Stratum A SCS soil type Lookup Soil Parameters	ENTER Stratum A soil dry bulk density, ρ_b^A (g/cm ³)	ENTER Stratum A soil total porosity, n^A (unitless)	ENTER Stratum A soil water-filled porosity, θ_w^A (cm ³ /cm ³)	ENTER Stratum B SCS soil type Lookup Soil Parameters	ENTER Stratum B soil dry bulk density, ρ_b^B (g/cm ³)	ENTER Stratum B soil total porosity, n^B (unitless)	ENTER Stratum B soil water-filled porosity, θ_w^B (cm ³ /cm ³)	ENTER Stratum C SCS soil type Lookup Soil Parameters
S	1.77	0.333	0.224	SL	1.87	0.294	0.159	
ENTER Enclosed space floor thickness, L_{crack} (cm)	ENTER Soil-bldg. pressure differential, ΔP (g/cm-s ²)	ENTER Enclosed space floor length, L_B (cm)	ENTER Enclosed space floor width, W_B (cm)	ENTER Enclosed space height, H_B (cm)	ENTER Floor-wall seam crack width, w (cm)	ENTER Indoor air exchange rate, ER (1/h)	ENTER Average vapor flow rate into bldg. OR Leave blank to calculate Q_{soil} (L/m)	
15	40	1000	1000	366	0.1	1	5	
ENTER Averaging time for carcinogens, AT_C (yrs)	ENTER Averaging time for noncarcinogens, AT_{NC} (yrs)	ENTER Exposure duration, ED (yrs)	ENTER Exposure frequency, EF (days/yr)					
70	25	25	250					

												30 ft bgs
Exposure duration, τ (sec)	Source-building separation, L_T (cm)	Stratum A soil air-filled porosity, θ_a^A (cm ³ /cm ³)	Stratum B soil air-filled porosity, θ_a^B (cm ³ /cm ³)	Stratum C soil air-filled porosity, θ_a^C (cm ³ /cm ³)	Stratum A effective total fluid saturation, S_{te} (cm ³ /cm ³)	Stratum A soil intrinsic permeability, k_i (cm ²)	Stratum A soil relative air permeability, k_{rg} (cm ²)	Stratum A soil effective vapor permeability, k_v (cm ²)	Floor-wall seam perimeter, X_{crack} (cm)	Soil gas conc. (ug/m ³)	Bldg. ventilation rate, $Q_{building}$ (cm ³ /s)	
7.9E+08	900	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	1.0E+05	1,1,1,2-Tetrachloroethane
7.9E+08	900	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	1.0E+05	1,1,1-Trichloroethane
7.9E+08	900	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	1.0E+05	1,1-Dichloroethane
7.9E+08	900	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	1.0E+05	1,1-Dichloroethylene (1,1-DCE)
7.9E+08	900	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	1.0E+05	1,2,4-Trimethylbenzene
7.9E+08	900	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	1.0E+05	1,3,5-Trimethylbenzene
7.9E+08	900	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	1.0E+05	p-Isopropyltoluene (p-cymene)
7.9E+08	900	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	1.0E+05	Benzene
7.9E+08	900	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	1.0E+05	Chlorobenzene
7.9E+08	900	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	1.0E+05	Chloroform
7.9E+08	900	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	1.0E+05	cis-1,2-Dichloroethylene
7.9E+08	900	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	1.0E+05	Dichlorodifluoromethane
7.9E+08	900	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	1.0E+05	Ethylbenzene
7.9E+08	900	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	1.0E+05	1,1,2-Trichloro-1,2,2-trifluoroel
7.9E+08	900	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	1.0E+05	n-Butylbenzene
7.9E+08	900	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	1.0E+05	n-Propylbenzene
7.9E+08	900	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	1.0E+05	Tetrachloroethylene (PCE)
7.9E+08	900	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	1.0E+05	Toluene
7.9E+08	900	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	1.0E+05	Trichloroethylene (TCE)
7.9E+08	900	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	1.0E+05	Trichlorofluoromethane
7.9E+08	900	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	1.0E+05	Xylene (total)

30 ft bgs												
Area of enclosed space below grade, A_B (cm^2)	Crack-to-total area ratio, η (unitless)	Crack depth below grade, Z_{crack} (cm)	Enthalpy of vaporization at ave. soil temperature, $\Delta H_{v,TS}$ (cal/mol)	Henry's law constant at ave. soil temperature, H_{TS} ($\text{atm}\cdot\text{m}^3/\text{mol}$)	Henry's law constant at ave. soil temperature, H'_{TS} (unitless)	Vapor viscosity at ave. soil temperature, μ_{TS} (g/cm-s)	Stratum A effective diffusion coefficient, D_A^{eff} (cm^2/s)	Stratum B effective diffusion coefficient, D_B^{eff} (cm^2/s)	Stratum C effective diffusion coefficient, D_C^{eff} (cm^2/s)	Total overall effective diffusion coefficient, D_T^{eff} (cm^2/s)	Diffusion path length, L_d (cm)	
1.0E+06	5.0E-03	15	11,329	1.7E-03	7.0E-02	1.8E-04	2.8E-04	7.1E-04	0.0E+00	4.2E-04	900	1,1,1,2-Tetrachloroethane
1.0E+06	5.0E-03	15	7,787	1.3E-02	5.5E-01	1.8E-04	3.7E-04	9.5E-04	0.0E+00	5.5E-04	900	1,1,1-Trichloroethane
1.0E+06	5.0E-03	15	7,351	4.4E-03	1.8E-01	1.8E-04	4.7E-04	1.2E-03	0.0E+00	7.1E-04	900	1,1-Dichloroethane
1.0E+06	5.0E-03	15	6,333	2.1E-02	8.7E-01	1.8E-04	4.9E-04	1.3E-03	0.0E+00	7.3E-04	900	1,1-Dichloroethylene (1,1-DCE)
1.0E+06	5.0E-03	15	11,579	4.1E-03	1.7E-01	1.8E-04	3.4E-04	8.9E-04	0.0E+00	5.2E-04	900	1,2,4-Trimethylbenzene
1.0E+06	5.0E-03	15	11,561	5.9E-03	2.5E-01	1.8E-04	3.4E-04	8.9E-04	0.0E+00	5.1E-04	900	1,3,5-Trimethylbenzene
1.0E+06	5.0E-03	15	0	1.1E-02	4.6E-01	1.8E-04	3.6E-04	9.4E-04	0.0E+00	5.4E-04	900	p-Isopropyltoluene (p-cymene)
1.0E+06	5.0E-03	15	8,030	4.2E-03	1.8E-01	1.8E-04	5.1E-04	1.3E-03	0.0E+00	7.6E-04	900	Benzene
1.0E+06	5.0E-03	15	9,712	2.2E-03	9.3E-02	1.8E-04	4.1E-04	1.1E-03	0.0E+00	6.2E-04	900	Chlorobenzene
1.0E+06	5.0E-03	15	7,461	2.8E-03	1.2E-01	1.8E-04	4.4E-04	1.1E-03	0.0E+00	6.6E-04	900	Chloroform
1.0E+06	5.0E-03	15	7,643	3.1E-03	1.3E-01	1.8E-04	5.0E-04	1.3E-03	0.0E+00	7.5E-04	900	cis-1,2-Dichloroethylene
1.0E+06	5.0E-03	15	8,118	2.6E-01	1.1E+01	1.8E-04	4.3E-04	1.1E-03	0.0E+00	6.4E-04	900	Dichlorodifluoromethane
1.0E+06	5.0E-03	15	10,052	5.6E-03	2.3E-01	1.8E-04	3.9E-04	1.0E-03	0.0E+00	5.8E-04	900	Ethylbenzene
1.0E+06	5.0E-03	15	6,853	4.1E-01	1.7E+01	1.8E-04	2.1E-04	5.5E-04	0.0E+00	3.2E-04	900	1,1,2-Trichloro-1,2,2-trifluoroet
1.0E+06	5.0E-03	15	11,734	1.1E-02	4.4E-01	1.8E-04	3.0E-04	7.8E-04	0.0E+00	4.5E-04	900	n-Butylbenzene
1.0E+06	5.0E-03	15	11,251	7.1E-03	3.0E-01	1.8E-04	3.4E-04	8.8E-04	0.0E+00	5.1E-04	900	n-Propylbenzene
1.0E+06	5.0E-03	15	9,462	1.3E-02	5.3E-01	1.8E-04	2.8E-04	7.4E-04	0.0E+00	4.3E-04	900	Tetrachloroethylene (PCE)
1.0E+06	5.0E-03	15	9,056	4.9E-03	2.0E-01	1.8E-04	4.4E-04	1.1E-03	0.0E+00	6.6E-04	900	Toluene
1.0E+06	5.0E-03	15	8,445	7.4E-03	3.1E-01	1.8E-04	3.9E-04	1.0E-03	0.0E+00	5.8E-04	900	Trichloroethylene (TCE)
1.0E+06	5.0E-03	15	6,053	7.9E-02	3.3E+00	1.8E-04	3.7E-04	9.6E-04	0.0E+00	5.5E-04	900	Trichlorofluoromethane
1.0E+06	5.0E-03	15	10,147	4.7E-03	1.9E-01	1.8E-04	3.9E-04	1.0E-03	0.0E+00	5.8E-04	900	Xylene (total)

30 ft bgs

Convection path length, L_p (cm)	Source vapor conc., C_{source} ($\mu\text{g}/\text{m}^3$)	Crack radius, r_{crack} (cm)	Average vapor flow rate into bldg., Q_{soil} (cm^3/s)	Crack effective diffusion coefficient, D_{crack} (cm^2/s)	Area of crack, A_{crack} (cm^2)	Exponent of equivalent foundation Peclet number, $\exp(\text{Pe}^f)$ (unitless)	Infinite source indoor attenuation coefficient, α (unitless)	Infinite source bldg. conc., $C_{building}$ ($\mu\text{g}/\text{m}^3$)	Unit risk factor, URF ($\mu\text{g}/\text{m}^3$) ⁻¹	Reference conc., RfC (mg/m^3)	
15	1.0E+00	1.25	8.3E+01	2.8E-04	5.0E+03	#NUM!	4.5E-06	4.5E-06	see Table 8	see Table 8	1,1,1,2-Tetrachloroethane
15	1.0E+00	1.25	8.3E+01	3.7E-04	5.0E+03	1.5E+297	6.0E-06	6.0E-06			1,1,1-Trichloroethane
15	1.0E+00	1.25	8.3E+01	4.7E-04	5.0E+03	1.6E+229	7.7E-06	7.7E-06			1,1-Dichloroethane
15	1.0E+00	1.25	8.3E+01	4.9E-04	5.0E+03	3.0E+223	7.9E-06	7.9E-06			1,1-Dichloroethylene (1,1-DCE)
15	1.0E+00	1.25	8.3E+01	3.4E-04	5.0E+03	#NUM!	5.6E-06	5.6E-06			1,2,4-Trimethylbenzene
15	1.0E+00	1.25	8.3E+01	3.4E-04	5.0E+03	#NUM!	5.5E-06	5.5E-06			1,3,5-Trimethylbenzene
15	1.0E+00	1.25	8.3E+01	3.6E-04	5.0E+03	1.9E+303	5.8E-06	5.8E-06			p-Isopropyltoluene (p-cymene)
15	1.0E+00	1.25	8.3E+01	5.1E-04	5.0E+03	1.7E+214	8.2E-06	8.2E-06			Benzene
15	1.0E+00	1.25	8.3E+01	4.1E-04	5.0E+03	5.2E+263	6.7E-06	6.7E-06			Chlorobenzene
15	1.0E+00	1.25	8.3E+01	4.4E-04	5.0E+03	7.7E+247	7.1E-06	7.1E-06			Chloroform
15	1.0E+00	1.25	8.3E+01	5.0E-04	5.0E+03	1.6E+216	8.1E-06	8.1E-06			cis-1,2-Dichloroethylene
15	1.0E+00	1.25	8.3E+01	4.3E-04	5.0E+03	1.2E+254	7.0E-06	7.0E-06			Dichlorodifluoromethane
15	1.0E+00	1.25	8.3E+01	3.9E-04	5.0E+03	3.4E+280	6.3E-06	6.3E-06			Ethylbenzene
15	1.0E+00	1.25	8.3E+01	2.1E-04	5.0E+03	#NUM!	3.5E-06	3.5E-06			1,1,2-Trichloro-1,2,2-trifluoroethane
15	1.0E+00	1.25	8.3E+01	3.0E-04	5.0E+03	#NUM!	4.9E-06	4.9E-06			n-Butylbenzene
15	1.0E+00	1.25	8.3E+01	3.4E-04	5.0E+03	#NUM!	5.5E-06	5.5E-06			n-Propylbenzene
15	1.0E+00	1.25	8.3E+01	2.8E-04	5.0E+03	#NUM!	4.6E-06	4.6E-06			Tetrachloroethylene (PCE)
15	1.0E+00	1.25	8.3E+01	4.4E-04	5.0E+03	5.2E+246	7.2E-06	7.2E-06			Toluene
15	1.0E+00	1.25	8.3E+01	3.9E-04	5.0E+03	7.4E+279	6.3E-06	6.3E-06			Trichloroethylene (TCE)
15	1.0E+00	1.25	8.3E+01	3.7E-04	5.0E+03	2.8E+295	6.0E-06	6.0E-06			Trichlorofluoromethane
15	1.0E+00	1.25	8.3E+01	3.9E-04	5.0E+03	1.0E+280	6.3E-06	6.3E-06			Xylene (total)

Soil Gas Concentration Data					SG-ADV Version 3.1; 02/04
ENTER Chemical CAS No. (numbers only, no dashes)	ENTER Soil gas conc., C_g ($\mu\text{g}/\text{m}^3$)	OR	ENTER Soil gas conc., C_g (ppmv)	Chemical	
630206	1			1,1,1,2-Tetrachloroethane	
71556	1			1,1,1-Trichloroethane	
75343	1			1,1-Dichloroethane	
75354	1			1,1-Dichloroethylene (1,1-DCE)	
95636	1			1,2,4-Trimethylbenzene	
108678	1			1,3,5-Trimethylbenzene	
99876	1			p-Isopropyltoluene (p-cymene)	
71432	1			Benzene	
108907	1			Chlorobenzene	
67663	1			Chloroform	
156592	1			cis-1,2-Dichloroethylene	
75718	1			Dichlorodifluoromethane	
100414	1			Ethylbenzene	
76131	1			1,1,2-Trichloro-1,2,2-trifluoroethane	
104518	1			n-Butylbenzene	
103651	1			n-Propylbenzene	
127184	1			Tetrachloroethylene (PCE)	
108883	1			Toluene	
79016	1			Trichloroethylene (TCE)	
75694	1			Trichlorofluoromethane	
1330207	1			Xylene (total)	

ENTER Depth below grade to bottom of enclosed space floor, L_F (cm)	ENTER Soil gas sampling depth below grade, L_S (cm)	ENTER Average soil temperature, T_S (°C)	ENTER Totals must add up to value of L_S (cell F24)			ENTER Soil stratum A SCS soil type (used to estimate soil vapor permeability)	ENTER User-defined stratum A soil vapor permeability, k_v (cm ²)
15	915	19	427	488		S	
30 ft bgs		14 ft bgs		16 ft bgs			
ENTER Stratum A SCS soil type Lookup Soil Parameters	ENTER Stratum A soil dry bulk density, ρ_b^A (g/cm ³)	ENTER Stratum A soil total porosity, n^A (unitless)	ENTER Stratum A soil water-filled porosity, θ_w^A (cm ³ /cm ³)	ENTER Stratum B SCS soil type Lookup Soil Parameters	ENTER Stratum B soil dry bulk density, ρ_b^B (g/cm ³)	ENTER Stratum B soil total porosity, n^B (unitless)	ENTER Stratum B soil water-filled porosity, θ_w^B (cm ³ /cm ³)
S	1.77	0.333	0.224	SL	1.87	0.294	0.159
ENTER Enclosed space floor thickness, L_{crack} (cm)	ENTER Soil-bldg. pressure differential, ΔP (g/cm-s ²)	ENTER Enclosed space floor length, L_B (cm)	ENTER Enclosed space floor width, W_B (cm)	ENTER Enclosed space height, H_B (cm)	ENTER Floor-wall seam crack width, w (cm)	ENTER Indoor air exchange rate, ER (1/h)	ENTER Average vapor flow rate into bldg. OR Leave blank to calculate Q_{soil} (L/m)
15	40	1000	1000	244	0.1	0.5	5
ENTER Averaging time for carcinogens, AT_C (yrs)	ENTER Averaging time for noncarcinogens, AT_{NC} (yrs)	ENTER Exposure duration, ED (yrs)	ENTER Exposure frequency, EF (days/yr)				
70	26	26	350				

												30 ft bgs
Exposure duration, τ (sec)	Source-building separation, L_T (cm)	Stratum A soil air-filled porosity, θ_a^A (cm ³ /cm ³)	Stratum B soil air-filled porosity, θ_a^B (cm ³ /cm ³)	Stratum C soil air-filled porosity, θ_a^C (cm ³ /cm ³)	Stratum A effective total fluid saturation, S_{te} (cm ³ /cm ³)	Stratum A soil intrinsic permeability, k_i (cm ²)	Stratum A soil relative air permeability, k_{rg} (cm ²)	Stratum A soil effective vapor permeability, k_v (cm ²)	Floor-wall seam perimeter, X_{crack} (cm)	Soil gas conc. (ug/m ³)	Bldg. ventilation rate, $Q_{building}$ (cm ³ /s)	
8.2E+08	900	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	3.4E+04	1,1,1,2-Tetrachloroethane
8.2E+08	900	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	3.4E+04	1,1,1-Trichloroethane
8.2E+08	900	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	3.4E+04	1,1-Dichloroethane
8.2E+08	900	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	3.4E+04	1,1-Dichloroethylene (1,1-DCE)
8.2E+08	900	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	3.4E+04	1,2,4-Trimethylbenzene
8.2E+08	900	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	3.4E+04	1,3,5-Trimethylbenzene
8.2E+08	900	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	3.4E+04	p-Isopropyltoluene (p-cymene)
8.2E+08	900	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	3.4E+04	Benzene
8.2E+08	900	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	3.4E+04	Chlorobenzene
8.2E+08	900	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	3.4E+04	Chloroform
8.2E+08	900	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	3.4E+04	cis-1,2-Dichloroethylene
8.2E+08	900	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	3.4E+04	Dichlorodifluoromethane
8.2E+08	900	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	3.4E+04	Ethylbenzene
8.2E+08	900	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	3.4E+04	1,1,2-Trichloro-1,2,2-trifluoroel
8.2E+08	900	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	3.4E+04	n-Butylbenzene
8.2E+08	900	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	3.4E+04	n-Propylbenzene
8.2E+08	900	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	3.4E+04	Tetrachloroethylene (PCE)
8.2E+08	900	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	3.4E+04	Toluene
8.2E+08	900	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	3.4E+04	Trichloroethylene (TCE)
8.2E+08	900	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	3.4E+04	Trichlorofluoromethane
8.2E+08	900	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	3.4E+04	Xylene (total)

30 ft bgs												
Area of enclosed space below grade, A_B (cm^2)	Crack-to-total area ratio, η (unitless)	Crack depth below grade, Z_{crack} (cm)	Enthalpy of vaporization at ave. soil temperature, $\Delta H_{v,TS}$ (cal/mol)	Henry's law constant at ave. soil temperature, H_{TS} ($\text{atm}\cdot\text{m}^3/\text{mol}$)	Henry's law constant at ave. soil temperature, H'_{TS} (unitless)	Vapor viscosity at ave. soil temperature, μ_{TS} (g/cm-s)	Stratum A effective diffusion coefficient, D_A^{eff} (cm^2/s)	Stratum B effective diffusion coefficient, D_B^{eff} (cm^2/s)	Stratum C effective diffusion coefficient, D_C^{eff} (cm^2/s)	Total overall effective diffusion coefficient, D_T^{eff} (cm^2/s)	Diffusion path length, L_d (cm)	
1.0E+06	5.0E-03	15	11,329	1.7E-03	7.0E-02	1.8E-04	2.8E-04	7.1E-04	0.0E+00	4.2E-04	900	1,1,1,2-Tetrachloroethane
1.0E+06	5.0E-03	15	7,787	1.3E-02	5.5E-01	1.8E-04	3.7E-04	9.5E-04	0.0E+00	5.5E-04	900	1,1,1-Trichloroethane
1.0E+06	5.0E-03	15	7,351	4.4E-03	1.8E-01	1.8E-04	4.7E-04	1.2E-03	0.0E+00	7.1E-04	900	1,1-Dichloroethane
1.0E+06	5.0E-03	15	6,333	2.1E-02	8.7E-01	1.8E-04	4.9E-04	1.3E-03	0.0E+00	7.3E-04	900	1,1-Dichloroethylene (1,1-DCE)
1.0E+06	5.0E-03	15	11,579	4.1E-03	1.7E-01	1.8E-04	3.4E-04	8.9E-04	0.0E+00	5.2E-04	900	1,2,4-Trimethylbenzene
1.0E+06	5.0E-03	15	11,561	5.9E-03	2.5E-01	1.8E-04	3.4E-04	8.9E-04	0.0E+00	5.1E-04	900	1,3,5-Trimethylbenzene
1.0E+06	5.0E-03	15	0	1.1E-02	4.6E-01	1.8E-04	3.6E-04	9.4E-04	0.0E+00	5.4E-04	900	p-Isopropyltoluene (p-cymene)
1.0E+06	5.0E-03	15	8,030	4.2E-03	1.8E-01	1.8E-04	5.1E-04	1.3E-03	0.0E+00	7.6E-04	900	Benzene
1.0E+06	5.0E-03	15	9,712	2.2E-03	9.3E-02	1.8E-04	4.1E-04	1.1E-03	0.0E+00	6.2E-04	900	Chlorobenzene
1.0E+06	5.0E-03	15	7,461	2.8E-03	1.2E-01	1.8E-04	4.4E-04	1.1E-03	0.0E+00	6.6E-04	900	Chloroform
1.0E+06	5.0E-03	15	7,643	3.1E-03	1.3E-01	1.8E-04	5.0E-04	1.3E-03	0.0E+00	7.5E-04	900	cis-1,2-Dichloroethylene
1.0E+06	5.0E-03	15	8,118	2.6E-01	1.1E+01	1.8E-04	4.3E-04	1.1E-03	0.0E+00	6.4E-04	900	Dichlorodifluoromethane
1.0E+06	5.0E-03	15	10,052	5.6E-03	2.3E-01	1.8E-04	3.9E-04	1.0E-03	0.0E+00	5.8E-04	900	Ethylbenzene
1.0E+06	5.0E-03	15	6,853	4.1E-01	1.7E+01	1.8E-04	2.1E-04	5.5E-04	0.0E+00	3.2E-04	900	1,1,2-Trichloro-1,2,2-trifluoroet
1.0E+06	5.0E-03	15	11,734	1.1E-02	4.4E-01	1.8E-04	3.0E-04	7.8E-04	0.0E+00	4.5E-04	900	n-Butylbenzene
1.0E+06	5.0E-03	15	11,251	7.1E-03	3.0E-01	1.8E-04	3.4E-04	8.8E-04	0.0E+00	5.1E-04	900	n-Propylbenzene
1.0E+06	5.0E-03	15	9,462	1.3E-02	5.3E-01	1.8E-04	2.8E-04	7.4E-04	0.0E+00	4.3E-04	900	Tetrachloroethylene (PCE)
1.0E+06	5.0E-03	15	9,056	4.9E-03	2.0E-01	1.8E-04	4.4E-04	1.1E-03	0.0E+00	6.6E-04	900	Toluene
1.0E+06	5.0E-03	15	8,445	7.4E-03	3.1E-01	1.8E-04	3.9E-04	1.0E-03	0.0E+00	5.8E-04	900	Trichloroethylene (TCE)
1.0E+06	5.0E-03	15	6,053	7.9E-02	3.3E+00	1.8E-04	3.7E-04	9.6E-04	0.0E+00	5.5E-04	900	Trichlorofluoromethane
1.0E+06	5.0E-03	15	10,147	4.7E-03	1.9E-01	1.8E-04	3.9E-04	1.0E-03	0.0E+00	5.8E-04	900	Xylene (total)

30 ft bgs

Convection path length, L_p (cm)	Source vapor conc., C_{source} ($\mu\text{g}/\text{m}^3$)	Crack radius, r_{crack} (cm)	Average vapor flow rate into bldg., Q_{soil} (cm^3/s)	Crack effective diffusion coefficient, D_{crack} (cm^2/s)	Area of crack, A_{crack} (cm^2)	Exponent of equivalent foundation Peclet number, $\exp(\text{Pe}^f)$ (unitless)	Infinite source indoor attenuation coefficient, α (unitless)	Infinite source bldg. conc., $C_{building}$ ($\mu\text{g}/\text{m}^3$)	Unit risk factor, URF ($\mu\text{g}/\text{m}^3$) ⁻¹	Reference conc., RfC (mg/m^3)	
15	1.0E+00	1.25	8.3E+01	2.8E-04	5.0E+03	#NUM!	1.4E-05	1.4E-05	see Table 8	see Table 8	1,1,1,2-Tetrachloroethane
15	1.0E+00	1.25	8.3E+01	3.7E-04	5.0E+03	1.5E+297	1.8E-05	1.8E-05			1,1,1-Trichloroethane
15	1.0E+00	1.25	8.3E+01	4.7E-04	5.0E+03	1.6E+229	2.3E-05	2.3E-05			1,1-Dichloroethane
15	1.0E+00	1.25	8.3E+01	4.9E-04	5.0E+03	3.0E+223	2.4E-05	2.4E-05			1,1-Dichloroethylene (1,1-DCE)
15	1.0E+00	1.25	8.3E+01	3.4E-04	5.0E+03	#NUM!	1.7E-05	1.7E-05			1,2,4-Trimethylbenzene
15	1.0E+00	1.25	8.3E+01	3.4E-04	5.0E+03	#NUM!	1.7E-05	1.7E-05			1,3,5-Trimethylbenzene
15	1.0E+00	1.25	8.3E+01	3.6E-04	5.0E+03	1.9E+303	1.8E-05	1.8E-05			p-Isopropyltoluene (p-cymene)
15	1.0E+00	1.25	8.3E+01	5.1E-04	5.0E+03	1.7E+214	2.5E-05	2.5E-05			Benzene
15	1.0E+00	1.25	8.3E+01	4.1E-04	5.0E+03	5.2E+263	2.0E-05	2.0E-05			Chlorobenzene
15	1.0E+00	1.25	8.3E+01	4.4E-04	5.0E+03	7.7E+247	2.1E-05	2.1E-05			Chloroform
15	1.0E+00	1.25	8.3E+01	5.0E-04	5.0E+03	1.6E+216	2.4E-05	2.4E-05			cis-1,2-Dichloroethylene
15	1.0E+00	1.25	8.3E+01	4.3E-04	5.0E+03	1.2E+254	2.1E-05	2.1E-05			Dichlorodifluoromethane
15	1.0E+00	1.25	8.3E+01	3.9E-04	5.0E+03	3.4E+280	1.9E-05	1.9E-05			Ethylbenzene
15	1.0E+00	1.25	8.3E+01	2.1E-04	5.0E+03	#NUM!	1.0E-05	1.0E-05			1,1,2-Trichloro-1,2,2-trifluoroethane
15	1.0E+00	1.25	8.3E+01	3.0E-04	5.0E+03	#NUM!	1.5E-05	1.5E-05			n-Butylbenzene
15	1.0E+00	1.25	8.3E+01	3.4E-04	5.0E+03	#NUM!	1.7E-05	1.7E-05			n-Propylbenzene
15	1.0E+00	1.25	8.3E+01	2.8E-04	5.0E+03	#NUM!	1.4E-05	1.4E-05			Tetrachloroethylene (PCE)
15	1.0E+00	1.25	8.3E+01	4.4E-04	5.0E+03	5.2E+246	2.1E-05	2.1E-05			Toluene
15	1.0E+00	1.25	8.3E+01	3.9E-04	5.0E+03	7.4E+279	1.9E-05	1.9E-05			Trichloroethylene (TCE)
15	1.0E+00	1.25	8.3E+01	3.7E-04	5.0E+03	2.8E+295	1.8E-05	1.8E-05			Trichlorofluoromethane
15	1.0E+00	1.25	8.3E+01	3.9E-04	5.0E+03	1.0E+280	1.9E-05	1.9E-05			Xylene (total)

Soil Gas Concentration Data					SG-ADV Version 3.1; 02/04
ENTER Chemical CAS No. (numbers only, no dashes)	ENTER Soil gas conc., C_g ($\mu\text{g}/\text{m}^3$)	OR	ENTER Soil gas conc., C_g (ppmv)	Chemical	
630206	1			1,1,1,2-Tetrachloroethane	
71556	1			1,1,1-Trichloroethane	
75343	1			1,1-Dichloroethane	
75354	1			1,1-Dichloroethylene (1,1-DCE)	
95636	1			1,2,4-Trimethylbenzene	
108678	1			1,3,5-Trimethylbenzene	
99876	1			p-Isopropyltoluene (p-cymene)	
71432	1			Benzene	
108907	1			Chlorobenzene	
67663	1			Chloroform	
156592	1			cis-1,2-Dichloroethylene	
75718	1			Dichlorodifluoromethane	
100414	1			Ethylbenzene	
76131	1			1,1,2-Trichloro-1,2,2-trifluoroethane	
104518	1			n-Butylbenzene	
103651	1			n-Propylbenzene	
127184	1			Tetrachloroethylene (PCE)	
108883	1			Toluene	
79016	1			Trichloroethylene (TCE)	
75694	1			Trichlorofluoromethane	
1330207	1			Xylene (total)	

ENTER Depth below grade to bottom of enclosed space floor, L_F (cm)	ENTER Soil gas sampling depth below grade, L_S (cm)	ENTER Average soil temperature, T_S (°C)	ENTER Totals must add up to value of L_S (cell F24)			ENTER Soil stratum A SCS soil type (used to estimate soil vapor permeability)	ENTER User-defined stratum A soil vapor permeability, k_v (cm ²)	
15	122	19	122			S		
4 ft bgs		4 ft bgs						
ENTER Stratum A SCS soil type Lookup Soil Parameters	ENTER Stratum A soil dry bulk density, ρ_b^A (g/cm ³)	ENTER Stratum A soil total porosity, n^A (unitless)	ENTER Stratum A soil water-filled porosity, θ_w^A (cm ³ /cm ³)	ENTER Stratum B SCS soil type Lookup Soil Parameters	ENTER Stratum B soil dry bulk density, ρ_b^B (g/cm ³)	ENTER Stratum B soil total porosity, n^B (unitless)	ENTER Stratum B soil water-filled porosity, θ_w^B (cm ³ /cm ³)	ENTER Stratum C SCS soil type Lookup Soil Parameters
S	1.77	0.333	0.224					
ENTER Enclosed space floor thickness, L_{crack} (cm)	ENTER Soil-bldg. pressure differential, ΔP (g/cm-s ²)	ENTER Enclosed space floor length, L_B (cm)	ENTER Enclosed space floor width, W_B (cm)	ENTER Enclosed space height, H_B (cm)	ENTER Floor-wall seam crack width, w (cm)	ENTER Indoor air exchange rate, ER (1/h)	ENTER Average vapor flow rate into bldg. OR Leave blank to calculate Q_{soil} (L/m)	
15	40	1000	1000	366	0.1	0.75	5	

Appendix D
Soil Vapor-to-Indoor Air Pathway
2nd Floor Scenario
Future Commercial Worker and Future Resident

4 ft bgs

Area of enclosed space below grade, A_B (cm^2)	Crack-to-total area ratio, η (unitless)	Crack depth below grade, Z_{crack} (cm)	Enthalpy of vaporization at ave. soil temperature, $\Delta H_{v,TS}$ (cal/mol)	Henry's law constant at ave. soil temperature, H_{TS} ($\text{atm}\cdot\text{m}^3/\text{mol}$)	Henry's law constant at ave. soil temperature, H'_{TS} (unitless)	Vapor viscosity at ave. soil temperature, μ_{TS} (g/cm-s)	Stratum A effective diffusion coefficient, D_A^{eff} (cm^2/s)	Stratum B effective diffusion coefficient, D_B^{eff} (cm^2/s)	Stratum C effective diffusion coefficient, D_C^{eff} (cm^2/s)	Total overall effective diffusion coefficient, D_T^{eff} (cm^2/s)	Diffusion path length, L_d (cm)	4 ft bgs
1.0E+06	5.0E-03	15	11,329	1.7E-03	7.0E-02	1.8E-04	2.8E-04	0.0E+00	0.0E+00	2.8E-04	107	1,1,1,2-Tetrachloroethane
1.0E+06	5.0E-03	15	7,787	1.3E-02	5.5E-01	1.8E-04	3.7E-04	0.0E+00	0.0E+00	3.7E-04	107	1,1,1-Trichloroethane
1.0E+06	5.0E-03	15	7,351	4.4E-03	1.8E-01	1.8E-04	4.7E-04	0.0E+00	0.0E+00	4.7E-04	107	1,1-Dichloroethane
1.0E+06	5.0E-03	15	6,333	2.1E-02	8.7E-01	1.8E-04	4.9E-04	0.0E+00	0.0E+00	4.9E-04	107	1,1-Dichloroethylene (1,1-DCE)
1.0E+06	5.0E-03	15	11,579	4.1E-03	1.7E-01	1.8E-04	3.4E-04	0.0E+00	0.0E+00	3.4E-04	107	1,2,4-Trimethylbenzene
1.0E+06	5.0E-03	15	11,561	5.9E-03	2.5E-01	1.8E-04	3.4E-04	0.0E+00	0.0E+00	3.4E-04	107	1,3,5-Trimethylbenzene
1.0E+06	5.0E-03	15	0	1.1E-02	4.6E-01	1.8E-04	3.6E-04	0.0E+00	0.0E+00	3.6E-04	107	p-Isopropyltoluene (p-cymene)
1.0E+06	5.0E-03	15	8,030	4.2E-03	1.8E-01	1.8E-04	5.1E-04	0.0E+00	0.0E+00	5.1E-04	107	Benzene
1.0E+06	5.0E-03	15	9,712	2.2E-03	9.3E-02	1.8E-04	4.1E-04	0.0E+00	0.0E+00	4.1E-04	107	Chlorobenzene
1.0E+06	5.0E-03	15	7,461	2.8E-03	1.2E-01	1.8E-04	4.4E-04	0.0E+00	0.0E+00	4.4E-04	107	Chloroform
1.0E+06	5.0E-03	15	7,643	3.1E-03	1.3E-01	1.8E-04	5.0E-04	0.0E+00	0.0E+00	5.0E-04	107	cis-1,2-Dichloroethylene
1.0E+06	5.0E-03	15	8,118	2.6E-01	1.1E+01	1.8E-04	4.3E-04	0.0E+00	0.0E+00	4.3E-04	107	Dichlorodifluoromethane
1.0E+06	5.0E-03	15	10,052	5.6E-03	2.3E-01	1.8E-04	3.9E-04	0.0E+00	0.0E+00	3.9E-04	107	Ethylbenzene
1.0E+06	5.0E-03	15	6,853	4.1E-01	1.7E+01	1.8E-04	2.1E-04	0.0E+00	0.0E+00	2.1E-04	107	1,1,2-Trichloro-1,2,2-trifluoroethane
1.0E+06	5.0E-03	15	11,734	1.1E-02	4.4E-01	1.8E-04	3.0E-04	0.0E+00	0.0E+00	3.0E-04	107	n-Butylbenzene
1.0E+06	5.0E-03	15	11,251	7.1E-03	3.0E-01	1.8E-04	3.4E-04	0.0E+00	0.0E+00	3.4E-04	107	n-Propylbenzene
1.0E+06	5.0E-03	15	9,462	1.3E-02	5.3E-01	1.8E-04	2.8E-04	0.0E+00	0.0E+00	2.8E-04	107	Tetrachloroethylene (PCE)
1.0E+06	5.0E-03	15	9,056	4.9E-03	2.0E-01	1.8E-04	4.4E-04	0.0E+00	0.0E+00	4.4E-04	107	Toluene
1.0E+06	5.0E-03	15	8,445	7.4E-03	3.1E-01	1.8E-04	3.9E-04	0.0E+00	0.0E+00	3.9E-04	107	Trichloroethylene (TCE)
1.0E+06	5.0E-03	15	6,053	7.9E-02	3.3E+00	1.8E-04	3.7E-04	0.0E+00	0.0E+00	3.7E-04	107	Trichlorofluoromethane
1.0E+06	5.0E-03	15	10,147	4.7E-03	1.9E-01	1.8E-04	3.9E-04	0.0E+00	0.0E+00	3.9E-04	107	Xylene (total)

4 ft bgs

							Exponent of equivalent foundation	Infinite source indoor attenuation coefficient, α (unitless)	Infinite source bldg. conc., $C_{building}$ ($\mu\text{g}/\text{m}^3$)	Unit risk factor, URF ($\mu\text{g}/\text{m}^3$) ⁻¹	Reference conc., RfC (mg/m^3)	
Convection path length, L_p (cm)	Source vapor conc., C_{source} ($\mu\text{g}/\text{m}^3$)	Crack radius, r_{crack} (cm)	Average vapor flow rate into bldg., Q_{soil} (cm^3/s)	Crack effective diffusion coefficient, D^{crack} (cm^2/s)	Area of crack, A_{crack} (cm^2)	Peclet number, $\text{exp}(\text{Pe}^f)$ (unitless)						
15	1.0E+00	1.25	8.3E+01	2.8E-04	5.0E+03	#NUM!	3.3E-05	3.3E-05	see Table 8	see Table 8	1,1,1,2-Tetrachloroethane	9.9E-07
15	1.0E+00	1.25	8.3E+01	3.7E-04	5.0E+03	1.5E+297	4.3E-05	4.3E-05			1,1,1-Trichloroethane	1.3E-06
15	1.0E+00	1.25	8.3E+01	4.7E-04	5.0E+03	1.6E+229	5.5E-05	5.5E-05			1,1-Dichloroethane	1.7E-06
15	1.0E+00	1.25	8.3E+01	4.9E-04	5.0E+03	3.0E+223	5.6E-05	5.6E-05			1,1-Dichloroethylene (1,1-DCE)	1.7E-06
15	1.0E+00	1.25	8.3E+01	3.4E-04	5.0E+03	#NUM!	4.1E-05	4.1E-05			1,2,4-Trimethylbenzene	1.2E-06
15	1.0E+00	1.25	8.3E+01	3.4E-04	5.0E+03	#NUM!	4.0E-05	4.0E-05			1,3,5-Trimethylbenzene	1.2E-06
15	1.0E+00	1.25	8.3E+01	3.6E-04	5.0E+03	1.9E+303	4.2E-05	4.2E-05			p-Isopropyltoluene (p-cymene)	1.3E-06
15	1.0E+00	1.25	8.3E+01	5.1E-04	5.0E+03	1.7E+214	5.9E-05	5.9E-05			Benzene	1.8E-06
15	1.0E+00	1.25	8.3E+01	4.1E-04	5.0E+03	5.2E+263	4.8E-05	4.8E-05			Chlorobenzene	1.4E-06
15	1.0E+00	1.25	8.3E+01	4.4E-04	5.0E+03	7.7E+247	5.1E-05	5.1E-05			Chloroform	1.5E-06
15	1.0E+00	1.25	8.3E+01	5.0E-04	5.0E+03	1.6E+216	5.8E-05	5.8E-05			cis-1,2-Dichloroethylene	1.7E-06
15	1.0E+00	1.25	8.3E+01	4.3E-04	5.0E+03	1.2E+254	5.0E-05	5.0E-05			Dichlorodifluoromethane	1.5E-06
15	1.0E+00	1.25	8.3E+01	3.9E-04	5.0E+03	3.4E+280	4.5E-05	4.5E-05			Ethylbenzene	1.4E-06
15	1.0E+00	1.25	8.3E+01	2.1E-04	5.0E+03	#NUM!	2.5E-05	2.5E-05			1,1,2-Trichloro-1,2,2-trifluoroethane	7.6E-07
15	1.0E+00	1.25	8.3E+01	3.0E-04	5.0E+03	#NUM!	3.5E-05	3.5E-05			n-Butylbenzene	1.1E-06
15	1.0E+00	1.25	8.3E+01	3.4E-04	5.0E+03	#NUM!	4.0E-05	4.0E-05			n-Propylbenzene	1.2E-06
15	1.0E+00	1.25	8.3E+01	2.8E-04	5.0E+03	#NUM!	3.4E-05	3.4E-05			Tetrachloroethylene (PCE)	1.0E-06
15	1.0E+00	1.25	8.3E+01	4.4E-04	5.0E+03	5.2E+246	5.1E-05	5.1E-05			Toluene	1.5E-06
15	1.0E+00	1.25	8.3E+01	3.9E-04	5.0E+03	7.4E+279	4.6E-05	4.6E-05			Trichloroethylene (TCE)	1.4E-06
15	1.0E+00	1.25	8.3E+01	3.7E-04	5.0E+03	2.8E+295	4.3E-05	4.3E-05			Trichlorofluoromethane	1.3E-06
15	1.0E+00	1.25	8.3E+01	3.9E-04	5.0E+03	1.0E+280	4.6E-05	4.6E-05			Xylene (total)	1.4E-06

Soil Gas Concentration Data					SG-ADV Version 3.1; 02/04
ENTER Chemical CAS No. (numbers only, no dashes)	ENTER Soil gas conc., C_g ($\mu\text{g}/\text{m}^3$)	OR	ENTER Soil gas conc., C_g (ppmv)	Chemical	
630206	1			1,1,1,2-Tetrachloroethane	
71556	1			1,1,1-Trichloroethane	
75343	1			1,1-Dichloroethane	
75354	1			1,1-Dichloroethylene (1,1-DCE)	
95636	1			1,2,4-Trimethylbenzene	
108678	1			1,3,5-Trimethylbenzene	
99876	1			p-Isopropyltoluene (p-cymene)	
71432	1			Benzene	
108907	1			Chlorobenzene	
67663	1			Chloroform	
156592	1			cis-1,2-Dichloroethylene	
75718	1			Dichlorodifluoromethane	
100414	1			Ethylbenzene	
76131	1			1,1,2-Trichloro-1,2,2-trifluoroethane	
104518	1			n-Butylbenzene	
103651	1			n-Propylbenzene	
127184	1			Tetrachloroethylene (PCE)	
108883	1			Toluene	
79016	1			Trichloroethylene (TCE)	
75694	1			Trichlorofluoromethane	
1330207	1			Xylene (total)	

ENTER Depth below grade to bottom of enclosed space floor, L_F (cm)	ENTER Soil gas sampling depth below grade, L_S (cm)	ENTER Average soil temperature, T_S (°C)	ENTER Totals must add up to value of L_S (cell F24)			ENTER Soil stratum A SCS soil type (used to estimate soil vapor permeability)	ENTER User-defined stratum A soil vapor permeability, k_v (cm ²)	
15	457.5	19	427	30.5		S		
	15 ft bgs		14 ft bgs	1 ft bgs				
ENTER Stratum A SCS soil type Lookup Soil Parameters	ENTER Stratum A soil dry bulk density, ρ_b^A (g/cm ³)	ENTER Stratum A soil total porosity, n^A (unitless)	ENTER Stratum A soil water-filled porosity, θ_w^A (cm ³ /cm ³)	ENTER Stratum B SCS soil type Lookup Soil Parameters	ENTER Stratum B soil dry bulk density, ρ_b^B (g/cm ³)	ENTER Stratum B soil total porosity, n^B (unitless)	ENTER Stratum B soil water-filled porosity, θ_w^B (cm ³ /cm ³)	ENTER Stratum C SCS soil type Lookup Soil Parameters
S	1.77	0.333	0.224	SL	1.87	0.294	0.159	
ENTER Enclosed space floor thickness, L_{crack} (cm)	ENTER Soil-bldg. pressure differential, ΔP (g/cm-s ²)	ENTER Enclosed space floor length, L_B (cm)	ENTER Enclosed space floor width, W_B (cm)	ENTER Enclosed space height, H_B (cm)	ENTER Floor-wall seam crack width, w (cm)	ENTER Indoor air exchange rate, ER (1/h)	ENTER Average vapor flow rate into bldg. OR Leave blank to calculate Q_{soil} (L/m)	
15	40	1000	1000	366	0.1	0.75	5	

Exposure duration, τ (sec)	Source-building separation, L_T (cm)	Stratum A soil air-filled porosity, θ_a^A (cm ³ /cm ³)	Stratum B soil air-filled porosity, θ_a^B (cm ³ /cm ³)	Stratum C soil air-filled porosity, θ_a^C (cm ³ /cm ³)	Stratum A effective total fluid saturation, S_{fe} (cm ³ /cm ³)	Stratum A soil intrinsic permeability, k_i (cm ²)	Stratum A soil relative air permeability, k_{rg} (cm ²)	Stratum A soil effective vapor permeability, k_v (cm ²)	Floor-wall seam perimeter, X_{crack} (cm)	Soil gas conc. (ug/m ³)	Bldg. ventilation rate, $Q_{building}$ (cm ³ /s)	15 ft bgs
		θ_a^A (cm ³ /cm ³)	θ_a^B (cm ³ /cm ³)	θ_a^C (cm ³ /cm ³)	S_{fe} (cm ³ /cm ³)	k_i (cm ²)	k_{rg} (cm ²)	k_v (cm ²)	X_{crack} (cm)	conc. (ug/m ³)	$Q_{building}$ (cm ³ /s)	
7.9E+08	442.5	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	7.6E+04	1,1,1,2-Tetrachloroethane
7.9E+08	442.5	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	7.6E+04	1,1,1-Trichloroethane
7.9E+08	442.5	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	7.6E+04	1,1-Dichloroethane
7.9E+08	442.5	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	7.6E+04	1,1-Dichloroethylene (1,1-DCE)
7.9E+08	442.5	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	7.6E+04	1,2,4-Trimethylbenzene
7.9E+08	442.5	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	7.6E+04	1,3,5-Trimethylbenzene
7.9E+08	442.5	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	7.6E+04	p-Isopropyltoluene (p-cymene)
7.9E+08	442.5	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	7.6E+04	Benzene
7.9E+08	442.5	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	7.6E+04	Chlorobenzene
7.9E+08	442.5	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	7.6E+04	Chloroform
7.9E+08	442.5	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	7.6E+04	cis-1,2-Dichloroethylene
7.9E+08	442.5	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	7.6E+04	Dichlorodifluoromethane
7.9E+08	442.5	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	7.6E+04	Ethylbenzene
7.9E+08	442.5	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	7.6E+04	1,1,2-Trichloro-1,2,2-trifluoroethane
7.9E+08	442.5	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	7.6E+04	n-Butylbenzene
7.9E+08	442.5	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	7.6E+04	n-Propylbenzene
7.9E+08	442.5	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	7.6E+04	Tetrachloroethylene (PCE)
7.9E+08	442.5	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	7.6E+04	Toluene
7.9E+08	442.5	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	7.6E+04	Trichloroethylene (TCE)
7.9E+08	442.5	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	7.6E+04	Trichlorofluoromethane
7.9E+08	442.5	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	7.6E+04	Xylene (total)

Area of enclosed space below grade, A_B (cm^2)	Crack-to-total area ratio, η (unitless)	Crack depth below grade, Z_{crack} (cm)	Enthalpy of vaporization at ave. soil temperature, $\Delta H_{v,TS}$ (cal/mol)	Henry's law constant at ave. soil temperature, H_{TS} ($\text{atm}\cdot\text{m}^3/\text{mol}$)	Henry's law constant at ave. soil temperature, H'_{TS} (unitless)	Vapor viscosity at ave. soil temperature, μ_{TS} (g/cm-s)	Stratum A effective diffusion coefficient, D_A^{eff} (cm^2/s)	Stratum B effective diffusion coefficient, D_B^{eff} (cm^2/s)	Stratum C effective diffusion coefficient, D_C^{eff} (cm^2/s)	Total overall effective diffusion coefficient, D_T^{eff} (cm^2/s)	Diffusion path length, L_d (cm)	15 ft bgs
1.0E+06	5.0E-03	15	11,329	1.7E-03	7.0E-02	1.8E-04	2.8E-04	7.1E-04	0.0E+00	2.9E-04	442.5	1,1,1,2-Tetrachloroethane
1.0E+06	5.0E-03	15	7,787	1.3E-02	5.5E-01	1.8E-04	3.7E-04	9.5E-04	0.0E+00	3.8E-04	442.5	1,1,1-Trichloroethane
1.0E+06	5.0E-03	15	7,351	4.4E-03	1.8E-01	1.8E-04	4.7E-04	1.2E-03	0.0E+00	4.9E-04	442.5	1,1-Dichloroethane
1.0E+06	5.0E-03	15	6,333	2.1E-02	8.7E-01	1.8E-04	4.9E-04	1.3E-03	0.0E+00	5.1E-04	442.5	1,1-Dichloroethylene (1,1-DCE)
1.0E+06	5.0E-03	15	11,579	4.1E-03	1.7E-01	1.8E-04	3.4E-04	8.9E-04	0.0E+00	3.6E-04	442.5	1,2,4-Trimethylbenzene
1.0E+06	5.0E-03	15	11,561	5.9E-03	2.5E-01	1.8E-04	3.4E-04	8.9E-04	0.0E+00	3.6E-04	442.5	1,3,5-Trimethylbenzene
1.0E+06	5.0E-03	15	0	1.1E-02	4.6E-01	1.8E-04	3.6E-04	9.4E-04	0.0E+00	3.7E-04	442.5	p-Isopropyltoluene (p-cymene)
1.0E+06	5.0E-03	15	8,030	4.2E-03	1.8E-01	1.8E-04	5.1E-04	1.3E-03	0.0E+00	5.3E-04	442.5	Benzene
1.0E+06	5.0E-03	15	9,712	2.2E-03	9.3E-02	1.8E-04	4.1E-04	1.1E-03	0.0E+00	4.3E-04	442.5	Chlorobenzene
1.0E+06	5.0E-03	15	7,461	2.8E-03	1.2E-01	1.8E-04	4.4E-04	1.1E-03	0.0E+00	4.6E-04	442.5	Chloroform
1.0E+06	5.0E-03	15	7,643	3.1E-03	1.3E-01	1.8E-04	5.0E-04	1.3E-03	0.0E+00	5.2E-04	442.5	cis-1,2-Dichloroethylene
1.0E+06	5.0E-03	15	8,118	2.6E-01	1.1E+01	1.8E-04	4.3E-04	1.1E-03	0.0E+00	4.5E-04	442.5	Dichlorodifluoromethane
1.0E+06	5.0E-03	15	10,052	5.6E-03	2.3E-01	1.8E-04	3.9E-04	1.0E-03	0.0E+00	4.0E-04	442.5	Ethylbenzene
1.0E+06	5.0E-03	15	6,853	4.1E-01	1.7E+01	1.8E-04	2.1E-04	5.5E-04	0.0E+00	2.2E-04	442.5	1,1,2-Trichloro-1,2,2-trifluoroethane
1.0E+06	5.0E-03	15	11,734	1.1E-02	4.4E-01	1.8E-04	3.0E-04	7.8E-04	0.0E+00	3.1E-04	442.5	n-Butylbenzene
1.0E+06	5.0E-03	15	11,251	7.1E-03	3.0E-01	1.8E-04	3.4E-04	8.8E-04	0.0E+00	3.5E-04	442.5	n-Propylbenzene
1.0E+06	5.0E-03	15	9,462	1.3E-02	5.3E-01	1.8E-04	2.8E-04	7.4E-04	0.0E+00	3.0E-04	442.5	Tetrachloroethylene (PCE)
1.0E+06	5.0E-03	15	9,056	4.9E-03	2.0E-01	1.8E-04	4.4E-04	1.1E-03	0.0E+00	4.6E-04	442.5	Toluene
1.0E+06	5.0E-03	15	8,445	7.4E-03	3.1E-01	1.8E-04	3.9E-04	1.0E-03	0.0E+00	4.1E-04	442.5	Trichloroethylene (TCE)
1.0E+06	5.0E-03	15	6,053	7.9E-02	3.3E+00	1.8E-04	3.7E-04	9.6E-04	0.0E+00	3.8E-04	442.5	Trichlorofluoromethane
1.0E+06	5.0E-03	15	10,147	4.7E-03	1.9E-01	1.8E-04	3.9E-04	1.0E-03	0.0E+00	4.0E-04	442.5	Xylene (total)

15 ft bgs

										15 ft bgs		
Convection path length, L _p (cm)	Source vapor conc., C _{source} (ug/m ³)	Crack radius, r _{crack} (cm)	Average vapor flow rate into bldg., Q _{soil} (cm ³ /s)	Crack effective diffusion coefficient, D ^{crack} (cm ² /s)	Area of crack, A _{crack} (cm ²)	Exponent of equivalent foundation Peclet number, exp(Pe ^f) (unitless)	Infinite source indoor attenuation coefficient, α (unitless)	Infinite source bldg. conc., C _{building} (ug/m ³)	Unit risk factor, URF (ug/m ³) ⁻¹	Reference conc., RfC (mg/m ³)		
15	1.0E+00	1.25	8.3E+01	2.8E-04	5.0E+03	#NUM!	8.6E-06	8.6E-06	see Table 8	see Table 8	1,1,1,2-Tetrachloroethane	2.6E-07
15	1.0E+00	1.25	8.3E+01	3.7E-04	5.0E+03	1.5E+297	1.1E-05	1.1E-05			1,1,1-Trichloroethane	3.4E-07
15	1.0E+00	1.25	8.3E+01	4.7E-04	5.0E+03	1.6E+229	1.4E-05	1.4E-05			1,1-Dichloroethane	4.3E-07
15	1.0E+00	1.25	8.3E+01	4.9E-04	5.0E+03	3.0E+223	1.5E-05	1.5E-05			1,1-Dichloroethylene (1,1-DCE)	4.5E-07
15	1.0E+00	1.25	8.3E+01	3.4E-04	5.0E+03	#NUM!	1.1E-05	1.1E-05			1,2,4-Trimethylbenzene	3.2E-07
15	1.0E+00	1.25	8.3E+01	3.4E-04	5.0E+03	#NUM!	1.0E-05	1.0E-05			1,3,5-Trimethylbenzene	3.1E-07
15	1.0E+00	1.25	8.3E+01	3.6E-04	5.0E+03	1.9E+303	1.1E-05	1.1E-05			p-Isopropyltoluene (p-cymene)	3.3E-07
15	1.0E+00	1.25	8.3E+01	5.1E-04	5.0E+03	1.7E+214	1.5E-05	1.5E-05			Benzene	4.6E-07
15	1.0E+00	1.25	8.3E+01	4.1E-04	5.0E+03	5.2E+263	1.3E-05	1.3E-05			Chlorobenzene	3.8E-07
15	1.0E+00	1.25	8.3E+01	4.4E-04	5.0E+03	7.7E+247	1.3E-05	1.3E-05			Chloroform	4.0E-07
15	1.0E+00	1.25	8.3E+01	5.0E-04	5.0E+03	1.6E+216	1.5E-05	1.5E-05			cis-1,2-Dichloroethylene	4.6E-07
15	1.0E+00	1.25	8.3E+01	4.3E-04	5.0E+03	1.2E+254	1.3E-05	1.3E-05			Dichlorodifluoromethane	3.9E-07
15	1.0E+00	1.25	8.3E+01	3.9E-04	5.0E+03	3.4E+280	1.2E-05	1.2E-05			Ethylbenzene	3.6E-07
15	1.0E+00	1.25	8.3E+01	2.1E-04	5.0E+03	#NUM!	6.5E-06	6.5E-06			1,1,2-Trichloro-1,2,2-trifluoroethane	1.9E-07
15	1.0E+00	1.25	8.3E+01	3.0E-04	5.0E+03	#NUM!	9.1E-06	9.1E-06			n-Butylbenzene	2.7E-07
15	1.0E+00	1.25	8.3E+01	3.4E-04	5.0E+03	#NUM!	1.0E-05	1.0E-05			n-Propylbenzene	3.1E-07
15	1.0E+00	1.25	8.3E+01	2.8E-04	5.0E+03	#NUM!	8.7E-06	8.7E-06			Tetrachloroethylene (PCE)	2.6E-07
15	1.0E+00	1.25	8.3E+01	4.4E-04	5.0E+03	5.2E+246	1.3E-05	1.3E-05			Toluene	4.0E-07
15	1.0E+00	1.25	8.3E+01	3.9E-04	5.0E+03	7.4E+279	1.2E-05	1.2E-05			Trichloroethylene (TCE)	3.6E-07
15	1.0E+00	1.25	8.3E+01	3.7E-04	5.0E+03	2.8E+295	1.1E-05	1.1E-05			Trichlorofluoromethane	3.4E-07
15	1.0E+00	1.25	8.3E+01	3.9E-04	5.0E+03	1.0E+280	1.2E-05	1.2E-05			Xylene (total)	3.6E-07

Soil Gas Concentration Data					SG-ADV Version 3.1; 02/04
ENTER Chemical CAS No. (numbers only, no dashes)	ENTER Soil gas conc., C_g ($\mu\text{g}/\text{m}^3$)	OR	ENTER Soil gas conc., C_g (ppmv)	Chemical	
630206	1			1,1,1,2-Tetrachloroethane	
71556	1			1,1,1-Trichloroethane	
75343	1			1,1-Dichloroethane	
75354	1			1,1-Dichloroethylene (1,1-DCE)	
95636	1			1,2,4-Trimethylbenzene	
108678	1			1,3,5-Trimethylbenzene	
99876	1			p-Isopropyltoluene (p-cymene)	
71432	1			Benzene	
108907	1			Chlorobenzene	
67663	1			Chloroform	
156592	1			cis-1,2-Dichloroethylene	
75718	1			Dichlorodifluoromethane	
100414	1			Ethylbenzene	
76131	1			1,1,2-Trichloro-1,2,2-trifluoroethane	
104518	1			n-Butylbenzene	
103651	1			n-Propylbenzene	
127184	1			Tetrachloroethylene (PCE)	
108883	1			Toluene	
79016	1			Trichloroethylene (TCE)	
75694	1			Trichlorofluoromethane	
1330207	1			Xylene (total)	

ENTER Depth below grade to bottom of enclosed space floor, L_F (cm)	ENTER Soil gas sampling depth below grade, L_S (cm)	ENTER Average soil temperature, T_S (°C)	ENTER Totals must add up to value of L_S (cell F24)			ENTER Soil stratum A SCS soil type (used to estimate soil vapor permeability)	ENTER User-defined stratum A soil vapor permeability, k_v (cm ²)
15	610	19	427	183		S	
20 ft bgs		14 ft bgs		6 ft bgs			
ENTER Stratum A SCS soil type Lookup Soil Parameters	ENTER Stratum A soil dry bulk density, ρ_b^A (g/cm ³)	ENTER Stratum A soil total porosity, n^A (unitless)	ENTER Stratum A soil water-filled porosity, θ_w^A (cm ³ /cm ³)	ENTER Stratum B SCS soil type Lookup Soil Parameters	ENTER Stratum B soil dry bulk density, ρ_b^B (g/cm ³)	ENTER Stratum B soil total porosity, n^B (unitless)	ENTER Stratum B soil water-filled porosity, θ_w^B (cm ³ /cm ³)
S	1.77	0.333	0.224	SL	1.87	0.294	0.159
ENTER Enclosed space floor thickness, L_{crack} (cm)	ENTER Soil-bldg. pressure differential, ΔP (g/cm-s ²)	ENTER Enclosed space floor length, L_B (cm)	ENTER Enclosed space floor width, W_B (cm)	ENTER Enclosed space height, H_B (cm)	ENTER Floor-wall seam crack width, w (cm)	ENTER Indoor air exchange rate, ER (1/h)	ENTER Average vapor flow rate into bldg. OR Leave blank to calculate Q_{soil} (L/m)
15	40	1000	1000	366	0.1	0.75	5

Appendix D
Soil Vapor-to-Indoor Air Pathway
2nd Floor Scenario
Future Commercial Worker and Future Resident

20 ft bgs

Area of enclosed space below grade, A_B (cm^2)	Crack-to-total area ratio, η (unitless)	Crack depth below grade, Z_{crack} (cm)	Enthalpy of vaporization at ave. soil temperature, $\Delta H_{v,TS}$ (cal/mol)	Henry's law constant at ave. soil temperature, H_{TS} (atm-m ³ /mol)	Henry's law constant at ave. soil temperature, H'_{TS} (unitless)	Vapor viscosity at ave. soil temperature, μ_{TS} (g/cm-s)	Stratum A effective diffusion coefficient, D^{eff}_A (cm^2/s)	Stratum B effective diffusion coefficient, D^{eff}_B (cm^2/s)	Stratum C effective diffusion coefficient, D^{eff}_C (cm^2/s)	Total overall effective diffusion coefficient, D^{eff}_T (cm^2/s)	Diffusion path length, L_d (cm)	20 ft bgs
1.0E+06	5.0E-03	15	11,329	1.7E-03	7.0E-02	1.8E-04	2.8E-04	7.1E-04	0.0E+00	3.4E-04	595	1,1,1,2-Tetrachloroethane
1.0E+06	5.0E-03	15	7,787	1.3E-02	5.5E-01	1.8E-04	3.7E-04	9.5E-04	0.0E+00	4.5E-04	595	1,1,1-Trichloroethane
1.0E+06	5.0E-03	15	7,351	4.4E-03	1.8E-01	1.8E-04	4.7E-04	1.2E-03	0.0E+00	5.8E-04	595	1,1-Dichloroethane
1.0E+06	5.0E-03	15	6,333	2.1E-02	8.7E-01	1.8E-04	4.9E-04	1.3E-03	0.0E+00	6.0E-04	595	1,1-Dichloroethylene (1,1-DCE)
1.0E+06	5.0E-03	15	11,579	4.1E-03	1.7E-01	1.8E-04	3.4E-04	8.9E-04	0.0E+00	4.2E-04	595	1,2,4-Trimethylbenzene
1.0E+06	5.0E-03	15	11,561	5.9E-03	2.5E-01	1.8E-04	3.4E-04	8.9E-04	0.0E+00	4.2E-04	595	1,3,5-Trimethylbenzene
1.0E+06	5.0E-03	15	0	1.1E-02	4.6E-01	1.8E-04	3.6E-04	9.4E-04	0.0E+00	4.4E-04	595	p-Isopropyltoluene (p-cymene)
1.0E+06	5.0E-03	15	8,030	4.2E-03	1.8E-01	1.8E-04	5.1E-04	1.3E-03	0.0E+00	6.3E-04	595	Benzene
1.0E+06	5.0E-03	15	9,712	2.2E-03	9.3E-02	1.8E-04	4.1E-04	1.1E-03	0.0E+00	5.1E-04	595	Chlorobenzene
1.0E+06	5.0E-03	15	7,461	2.8E-03	1.2E-01	1.8E-04	4.4E-04	1.1E-03	0.0E+00	5.4E-04	595	Chloroform
1.0E+06	5.0E-03	15	7,643	3.1E-03	1.3E-01	1.8E-04	5.0E-04	1.3E-03	0.0E+00	6.2E-04	595	cis-1,2-Dichloroethylene
1.0E+06	5.0E-03	15	8,118	2.6E-01	1.1E+01	1.8E-04	4.3E-04	1.1E-03	0.0E+00	5.3E-04	595	Dichlorodifluoromethane
1.0E+06	5.0E-03	15	10,052	5.6E-03	2.3E-01	1.8E-04	3.9E-04	1.0E-03	0.0E+00	4.8E-04	595	Ethylbenzene
1.0E+06	5.0E-03	15	6,853	4.1E-01	1.7E+01	1.8E-04	2.1E-04	5.5E-04	0.0E+00	2.6E-04	595	1,1,2-Trichloro-1,2,2-trifluoroethane
1.0E+06	5.0E-03	15	11,734	1.1E-02	4.4E-01	1.8E-04	3.0E-04	7.8E-04	0.0E+00	3.7E-04	595	n-Butylbenzene
1.0E+06	5.0E-03	15	11,251	7.1E-03	3.0E-01	1.8E-04	3.4E-04	8.8E-04	0.0E+00	4.2E-04	595	n-Propylbenzene
1.0E+06	5.0E-03	15	9,462	1.3E-02	5.3E-01	1.8E-04	2.8E-04	7.4E-04	0.0E+00	3.5E-04	595	Tetrachloroethylene (PCE)
1.0E+06	5.0E-03	15	9,056	4.9E-03	2.0E-01	1.8E-04	4.4E-04	1.1E-03	0.0E+00	5.4E-04	595	Toluene
1.0E+06	5.0E-03	15	8,445	7.4E-03	3.1E-01	1.8E-04	3.9E-04	1.0E-03	0.0E+00	4.8E-04	595	Trichloroethylene (TCE)
1.0E+06	5.0E-03	15	6,053	7.9E-02	3.3E+00	1.8E-04	3.7E-04	9.6E-04	0.0E+00	4.5E-04	595	Trichlorofluoromethane
1.0E+06	5.0E-03	15	10,147	4.7E-03	1.9E-01	1.8E-04	3.9E-04	1.0E-03	0.0E+00	4.8E-04	595	Xylene (total)

										20 ft bgs		
Convection path length, L_p (cm)	Source vapor conc., C_{source} (ug/m ³)	Crack radius, r_{crack} (cm)	Average vapor flow rate into bldg., Q_{soil} (cm ³ /s)	Crack effective diffusion coefficient, D^{crack} (cm ² /s)	Area of crack, A_{crack} (cm ²)	Exponent of equivalent foundation Peclet number, $exp(Pe^f)$ (unitless)	Infinite source indoor attenuation coefficient, α (unitless)	Infinite source bldg. conc., $C_{building}$ (ug/m ³)	Unit risk factor, URF (ug/m ³) ⁻¹	Reference conc., RfC (mg/m ³)		
15	1.0E+00	1.25	8.3E+01	2.8E-04	5.0E+03	#NUM!	7.5E-06	7.5E-06	see Table 8	see Table 8	1,1,1,2-Tetrachloroethane	2.3E-07
15	1.0E+00	1.25	8.3E+01	3.7E-04	5.0E+03	1.5E+297	9.8E-06	9.8E-06			1,1,1-Trichloroethane	3.0E-07
15	1.0E+00	1.25	8.3E+01	4.7E-04	5.0E+03	1.6E+229	1.3E-05	1.3E-05			1,1-Dichloroethane	3.8E-07
15	1.0E+00	1.25	8.3E+01	4.9E-04	5.0E+03	3.0E+223	1.3E-05	1.3E-05			1,1-Dichloroethylene (1,1-DCE)	3.9E-07
15	1.0E+00	1.25	8.3E+01	3.4E-04	5.0E+03	#NUM!	9.3E-06	9.3E-06			1,2,4-Trimethylbenzene	2.8E-07
15	1.0E+00	1.25	8.3E+01	3.4E-04	5.0E+03	#NUM!	9.2E-06	9.2E-06			1,3,5-Trimethylbenzene	2.8E-07
15	1.0E+00	1.25	8.3E+01	3.6E-04	5.0E+03	1.9E+303	9.7E-06	9.7E-06			p-Isopropyltoluene (p-cymene)	2.9E-07
15	1.0E+00	1.25	8.3E+01	5.1E-04	5.0E+03	1.7E+214	1.4E-05	1.4E-05			Benzene	4.1E-07
15	1.0E+00	1.25	8.3E+01	4.1E-04	5.0E+03	5.2E+263	1.1E-05	1.1E-05			Chlorobenzene	3.3E-07
15	1.0E+00	1.25	8.3E+01	4.4E-04	5.0E+03	7.7E+247	1.2E-05	1.2E-05			Chloroform	3.5E-07
15	1.0E+00	1.25	8.3E+01	5.0E-04	5.0E+03	1.6E+216	1.3E-05	1.3E-05			cis-1,2-Dichloroethylene	4.0E-07
15	1.0E+00	1.25	8.3E+01	4.3E-04	5.0E+03	1.2E+254	1.2E-05	1.2E-05			Dichlorodifluoromethane	3.5E-07
15	1.0E+00	1.25	8.3E+01	3.9E-04	5.0E+03	3.4E+280	1.0E-05	1.0E-05			Ethylbenzene	3.1E-07
15	1.0E+00	1.25	8.3E+01	2.1E-04	5.0E+03	#NUM!	5.7E-06	5.7E-06			1,1,2-Trichloro-1,2,2-trifluoroethane	1.7E-07
15	1.0E+00	1.25	8.3E+01	3.0E-04	5.0E+03	#NUM!	8.0E-06	8.0E-06			n-Butylbenzene	2.4E-07
15	1.0E+00	1.25	8.3E+01	3.4E-04	5.0E+03	#NUM!	9.2E-06	9.2E-06			n-Propylbenzene	2.7E-07
15	1.0E+00	1.25	8.3E+01	2.8E-04	5.0E+03	#NUM!	7.7E-06	7.7E-06			Tetrachloroethylene (PCE)	2.3E-07
15	1.0E+00	1.25	8.3E+01	4.4E-04	5.0E+03	5.2E+246	1.2E-05	1.2E-05			Toluene	3.6E-07
15	1.0E+00	1.25	8.3E+01	3.9E-04	5.0E+03	7.4E+279	1.0E-05	1.0E-05			Trichloroethylene (TCE)	3.1E-07
15	1.0E+00	1.25	8.3E+01	3.7E-04	5.0E+03	2.8E+295	9.9E-06	9.9E-06			Trichlorofluoromethane	3.0E-07
15	1.0E+00	1.25	8.3E+01	3.9E-04	5.0E+03	1.0E+280	1.0E-05	1.0E-05	Xylene (total)	3.1E-07		
											[$\alpha * (0.03)$]	
											2nd Floor AF	

Soil Gas Concentration Data					SG-ADV Version 3.1; 02/04
ENTER Chemical CAS No. (numbers only, no dashes)	ENTER Soil gas conc., C_g ($\mu\text{g}/\text{m}^3$)	OR	ENTER Soil gas conc., C_g (ppmv)	Chemical	
630206	1			1,1,1,2-Tetrachloroethane	
71556	1			1,1,1-Trichloroethane	
75343	1			1,1-Dichloroethane	
75354	1			1,1-Dichloroethylene (1,1-DCE)	
95636	1			1,2,4-Trimethylbenzene	
108678	1			1,3,5-Trimethylbenzene	
99876	1			p-Isopropyltoluene (p-cymene)	
71432	1			Benzene	
108907	1			Chlorobenzene	
67663	1			Chloroform	
156592	1			cis-1,2-Dichloroethylene	
75718	1			Dichlorodifluoromethane	
100414	1			Ethylbenzene	
76131	1			1,1,2-Trichloro-1,2,2-trifluoroethane	
104518	1			n-Butylbenzene	
103651	1			n-Propylbenzene	
127184	1			Tetrachloroethylene (PCE)	
108883	1			Toluene	
79016	1			Trichloroethylene (TCE)	
75694	1			Trichlorofluoromethane	
1330207	1			Xylene (total)	

ENTER Depth below grade to bottom of enclosed space floor, L_F (cm)	ENTER Soil gas sampling depth below grade, L_S (cm)	ENTER Average soil temperature, T_S (°C)	ENTER Totals must add up to value of L_S (cell F24)			ENTER Soil stratum A SCS soil type (used to estimate soil vapor permeability)	ENTER User-defined stratum A soil vapor permeability, k_v (cm ²)
15	915	19	427	488		S	
30 ft bgs		14 ft bgs		16 ft bgs			
ENTER Stratum A SCS soil type Lookup Soil Parameters	ENTER Stratum A soil dry bulk density, ρ_b^A (g/cm ³)	ENTER Stratum A soil total porosity, n^A (unitless)	ENTER Stratum A soil water-filled porosity, θ_w^A (cm ³ /cm ³)	ENTER Stratum B SCS soil type Lookup Soil Parameters	ENTER Stratum B soil dry bulk density, ρ_b^B (g/cm ³)	ENTER Stratum B soil total porosity, n^B (unitless)	ENTER Stratum B soil water-filled porosity, θ_w^B (cm ³ /cm ³)
S	1.77	0.333	0.224	SL	1.87	0.294	0.159
ENTER Enclosed space floor thickness, L_{crack} (cm)	ENTER Soil-bldg. pressure differential, ΔP (g/cm-s ²)	ENTER Enclosed space floor length, L_B (cm)	ENTER Enclosed space floor width, W_B (cm)	ENTER Enclosed space height, H_B (cm)	ENTER Floor-wall seam crack width, w (cm)	ENTER Indoor air exchange rate, ER (1/h)	ENTER Average vapor flow rate into bldg. OR Leave blank to calculate Q_{soil} (L/m)
15	40	1000	1000	366	0.1	0.75	5

Exposure duration, τ (sec)	Source-building separation, L_T (cm)	Stratum A soil air-filled porosity, θ_a^A (cm ³ /cm ³)	Stratum B soil air-filled porosity, θ_a^B (cm ³ /cm ³)	Stratum C soil air-filled porosity, θ_a^C (cm ³ /cm ³)	Stratum A effective total fluid saturation, S_{fe} (cm ³ /cm ³)	Stratum A soil intrinsic permeability, k_i (cm ²)	Stratum A soil relative air permeability, k_{rg} (cm ²)	Stratum A soil effective vapor permeability, k_v (cm ²)	Floor-wall seam perimeter, X_{crack} (cm)	Soil gas conc. (ug/m ³)	Bldg. ventilation rate, $Q_{building}$ (cm ³ /s)	
		θ_a^A (cm ³ /cm ³)	θ_a^B (cm ³ /cm ³)	θ_a^C (cm ³ /cm ³)	S_{fe} (cm ³ /cm ³)	k_i (cm ²)	k_{rg} (cm ²)	k_v (cm ²)	X_{crack} (cm)	conc. (ug/m ³)	$Q_{building}$ (cm ³ /s)	
7.9E+08	900	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	7.6E+04	1,1,1,2-Tetrachloroethane
7.9E+08	900	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	7.6E+04	1,1,1-Trichloroethane
7.9E+08	900	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	7.6E+04	1,1-Dichloroethane
7.9E+08	900	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	7.6E+04	1,1-Dichloroethylene (1,1-DCE)
7.9E+08	900	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	7.6E+04	1,2,4-Trimethylbenzene
7.9E+08	900	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	7.6E+04	1,3,5-Trimethylbenzene
7.9E+08	900	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	7.6E+04	p-Isopropyltoluene (p-cymene)
7.9E+08	900	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	7.6E+04	Benzene
7.9E+08	900	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	7.6E+04	Chlorobenzene
7.9E+08	900	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	7.6E+04	Chloroform
7.9E+08	900	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	7.6E+04	cis-1,2-Dichloroethylene
7.9E+08	900	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	7.6E+04	Dichlorodifluoromethane
7.9E+08	900	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	7.6E+04	Ethylbenzene
7.9E+08	900	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	7.6E+04	1,1,2-Trichloro-1,2,2-trifluoroethane
7.9E+08	900	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	7.6E+04	n-Butylbenzene
7.9E+08	900	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	7.6E+04	n-Propylbenzene
7.9E+08	900	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	7.6E+04	Tetrachloroethylene (PCE)
7.9E+08	900	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	7.6E+04	Toluene
7.9E+08	900	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	7.6E+04	Trichloroethylene (TCE)
7.9E+08	900	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	7.6E+04	Trichlorofluoromethane
7.9E+08	900	0.109	0.135		0.611	1.01E-07	0.250	2.5E-08	4,000	1.0E+00	7.6E+04	Xylene (total)

Area of enclosed space below grade, A_B (cm ²)	Crack-to-total area ratio, η (unitless)	Crack depth below grade, Z_{crack} (cm)	Enthalpy of vaporization at ave. soil temperature, $\Delta H_{v,TS}$ (cal/mol)	Henry's law constant at ave. soil temperature, H_{TS} (atm-m ³ /mol)	Henry's law constant at ave. soil temperature, H'_{TS} (unitless)	Vapor viscosity at ave. soil temperature, μ_{TS} (g/cm-s)	Stratum A effective diffusion coefficient, D^{eff}_A (cm ² /s)	Stratum B effective diffusion coefficient, D^{eff}_B (cm ² /s)	Stratum C effective diffusion coefficient, D^{eff}_C (cm ² /s)	Total overall effective diffusion coefficient, D^{eff}_T (cm ² /s)	Diffusion path length, L_d (cm)	
1.0E+06	5.0E-03	15	11,329	1.7E-03	7.0E-02	1.8E-04	2.8E-04	7.1E-04	0.0E+00	4.2E-04	900	1,1,1,2-Tetrachloroethane
1.0E+06	5.0E-03	15	7,787	1.3E-02	5.5E-01	1.8E-04	3.7E-04	9.5E-04	0.0E+00	5.5E-04	900	1,1,1-Trichloroethane
1.0E+06	5.0E-03	15	7,351	4.4E-03	1.8E-01	1.8E-04	4.7E-04	1.2E-03	0.0E+00	7.1E-04	900	1,1-Dichloroethane
1.0E+06	5.0E-03	15	6,333	2.1E-02	8.7E-01	1.8E-04	4.9E-04	1.3E-03	0.0E+00	7.3E-04	900	1,1-Dichloroethylene (1,1-DCE)
1.0E+06	5.0E-03	15	11,579	4.1E-03	1.7E-01	1.8E-04	3.4E-04	8.9E-04	0.0E+00	5.2E-04	900	1,2,4-Trimethylbenzene
1.0E+06	5.0E-03	15	11,561	5.9E-03	2.5E-01	1.8E-04	3.4E-04	8.9E-04	0.0E+00	5.1E-04	900	1,3,5-Trimethylbenzene
1.0E+06	5.0E-03	15	0	1.1E-02	4.6E-01	1.8E-04	3.6E-04	9.4E-04	0.0E+00	5.4E-04	900	p-Isopropyltoluene (p-cymene)
1.0E+06	5.0E-03	15	8,030	4.2E-03	1.8E-01	1.8E-04	5.1E-04	1.3E-03	0.0E+00	7.6E-04	900	Benzene
1.0E+06	5.0E-03	15	9,712	2.2E-03	9.3E-02	1.8E-04	4.1E-04	1.1E-03	0.0E+00	6.2E-04	900	Chlorobenzene
1.0E+06	5.0E-03	15	7,461	2.8E-03	1.2E-01	1.8E-04	4.4E-04	1.1E-03	0.0E+00	6.6E-04	900	Chloroform
1.0E+06	5.0E-03	15	7,643	3.1E-03	1.3E-01	1.8E-04	5.0E-04	1.3E-03	0.0E+00	7.5E-04	900	cis-1,2-Dichloroethylene
1.0E+06	5.0E-03	15	8,118	2.6E-01	1.1E+01	1.8E-04	4.3E-04	1.1E-03	0.0E+00	6.4E-04	900	Dichlorodifluoromethane
1.0E+06	5.0E-03	15	10,052	5.6E-03	2.3E-01	1.8E-04	3.9E-04	1.0E-03	0.0E+00	5.8E-04	900	Ethylbenzene
1.0E+06	5.0E-03	15	6,853	4.1E-01	1.7E+01	1.8E-04	2.1E-04	5.5E-04	0.0E+00	3.2E-04	900	1,1,2-Trichloro-1,2,2-trifluoroethane
1.0E+06	5.0E-03	15	11,734	1.1E-02	4.4E-01	1.8E-04	3.0E-04	7.8E-04	0.0E+00	4.5E-04	900	n-Butylbenzene
1.0E+06	5.0E-03	15	11,251	7.1E-03	3.0E-01	1.8E-04	3.4E-04	8.8E-04	0.0E+00	5.1E-04	900	n-Propylbenzene
1.0E+06	5.0E-03	15	9,462	1.3E-02	5.3E-01	1.8E-04	2.8E-04	7.4E-04	0.0E+00	4.3E-04	900	Tetrachloroethylene (PCE)
1.0E+06	5.0E-03	15	9,056	4.9E-03	2.0E-01	1.8E-04	4.4E-04	1.1E-03	0.0E+00	6.6E-04	900	Toluene
1.0E+06	5.0E-03	15	8,445	7.4E-03	3.1E-01	1.8E-04	3.9E-04	1.0E-03	0.0E+00	5.8E-04	900	Trichloroethylene (TCE)
1.0E+06	5.0E-03	15	6,053	7.9E-02	3.3E+00	1.8E-04	3.7E-04	9.6E-04	0.0E+00	5.5E-04	900	Trichlorofluoromethane
1.0E+06	5.0E-03	15	10,147	4.7E-03	1.9E-01	1.8E-04	3.9E-04	1.0E-03	0.0E+00	5.8E-04	900	Xylene (total)

30 ft bgs

										30 ft bgs			
Convection path length, L_p (cm)	Source vapor conc., C_{source} (ug/m ³)	Crack radius, r_{crack} (cm)	Average vapor flow rate into bldg., Q_{soil} (cm ³ /s)	Crack effective diffusion coefficient, D^{crack} (cm ² /s)	Area of crack, A_{crack} (cm ²)	Exponent of equivalent foundation Peclet number, $exp(Pe^f)$ (unitless)	Infinite source indoor attenuation coefficient, α (unitless)	Infinite source bldg. conc., $C_{building}$ (ug/m ³)	Unit risk factor, URF (ug/m ³) ⁻¹	Reference conc., RfC (mg/m ³)			
15	1.0E+00	1.25	8.3E+01	2.8E-04	5.0E+03	#NUM!	6.0E-06	6.0E-06	see Table 8	see Table 8	1,1,1,2-Tetrachloroethane	1.8E-07	
15	1.0E+00	1.25	8.3E+01	3.7E-04	5.0E+03	1.5E+297	7.9E-06	7.9E-06			1,1,1-Trichloroethane	2.4E-07	
15	1.0E+00	1.25	8.3E+01	4.7E-04	5.0E+03	1.6E+229	1.0E-05	1.0E-05			1,1-Dichloroethane	3.1E-07	
15	1.0E+00	1.25	8.3E+01	4.9E-04	5.0E+03	3.0E+223	1.1E-05	1.1E-05			1,1-Dichloroethylene (1,1-DCE)	3.2E-07	
15	1.0E+00	1.25	8.3E+01	3.4E-04	5.0E+03	#NUM!	7.5E-06	7.5E-06			1,2,4-Trimethylbenzene	2.2E-07	
15	1.0E+00	1.25	8.3E+01	3.4E-04	5.0E+03	#NUM!	7.4E-06	7.4E-06			1,3,5-Trimethylbenzene	2.2E-07	
15	1.0E+00	1.25	8.3E+01	3.6E-04	5.0E+03	1.9E+303	7.8E-06	7.8E-06			p-Isopropyltoluene (p-cymene)	2.3E-07	
15	1.0E+00	1.25	8.3E+01	5.1E-04	5.0E+03	1.7E+214	1.1E-05	1.1E-05			Benzene	3.3E-07	
15	1.0E+00	1.25	8.3E+01	4.1E-04	5.0E+03	5.2E+263	8.9E-06	8.9E-06			Chlorobenzene	2.7E-07	
15	1.0E+00	1.25	8.3E+01	4.4E-04	5.0E+03	7.7E+247	9.5E-06	9.5E-06			Chloroform	2.8E-07	
15	1.0E+00	1.25	8.3E+01	5.0E-04	5.0E+03	1.6E+216	1.1E-05	1.1E-05			cis-1,2-Dichloroethylene	3.3E-07	
15	1.0E+00	1.25	8.3E+01	4.3E-04	5.0E+03	1.2E+254	9.3E-06	9.3E-06			Dichlorodifluoromethane	2.8E-07	
15	1.0E+00	1.25	8.3E+01	3.9E-04	5.0E+03	3.4E+280	8.4E-06	8.4E-06			Ethylbenzene	2.5E-07	
15	1.0E+00	1.25	8.3E+01	2.1E-04	5.0E+03	#NUM!	4.6E-06	4.6E-06			1,1,2-Trichloro-1,2,2-trifluoroethane	1.4E-07	
15	1.0E+00	1.25	8.3E+01	3.0E-04	5.0E+03	#NUM!	6.5E-06	6.5E-06			n-Butylbenzene	1.9E-07	
15	1.0E+00	1.25	8.3E+01	3.4E-04	5.0E+03	#NUM!	7.4E-06	7.4E-06			n-Propylbenzene	2.2E-07	
15	1.0E+00	1.25	8.3E+01	2.8E-04	5.0E+03	#NUM!	6.2E-06	6.2E-06			Tetrachloroethylene (PCE)	1.9E-07	
15	1.0E+00	1.25	8.3E+01	4.4E-04	5.0E+03	5.2E+246	9.5E-06	9.5E-06			Toluene	2.9E-07	
15	1.0E+00	1.25	8.3E+01	3.9E-04	5.0E+03	7.4E+279	8.4E-06	8.4E-06			Trichloroethylene (TCE)	2.5E-07	
15	1.0E+00	1.25	8.3E+01	3.7E-04	5.0E+03	2.8E+295	8.0E-06	8.0E-06			Trichlorofluoromethane	2.4E-07	
15	1.0E+00	1.25	8.3E+01	3.9E-04	5.0E+03	1.0E+280	8.4E-06	8.4E-06			Xylene (total)	2.5E-07	
											[$\alpha * (0.03)$]		
											2nd Floor AF		

APPENDIX E

Derivation of Risk-Based Concentrations

CAS Number	Chemical of Potential Concern	Note	Noncancer Effects							Cancer Effects						
			Ingestion		Dermal Contact		Outdoor Inhalation		RBC _{soil-NC} (mg/kg)	Ingestion		Dermal Contact		Outdoor Inhalation		RBC _{soil-C} (mg/kg)
			IF _{oral} (mg/kg-day)	Reference Dose (mg/kg-day)	IF _{dermal} (mg/kg-day)	Reference Dose (mg/kg-day)	ECF _{inh,soil} (mg/m ³ -mg/kg)	Reference Concentration (mg/m ³)		IF _{oral} (mg/kg-day)	Cancer Slope Factor (mg/kg-day) ⁻¹	IF _{dermal} (mg/kg-day)	Cancer Slope Factor (mg/kg-day) ⁻¹	ECF _{inh,soil} (mg/m ³ -mg/kg)	Inhalation Unit Risk (μg/m ³) ⁻¹	
Metals																
7440-41-7	Beryllium		1.2E-06	2.0E-04	5.1E-08	2.0E-04	8.3E-12	7.0E-06	1.6E+02	1.4E-06	NC	4.6E-08	NC	3.1E-12	2.4E-03	1.3E+05
7440-43-9	Cadmium		1.2E-06	6.3E-06	5.1E-09	6.3E-06	8.3E-12	1.0E-05	5.2E+00	1.4E-06	NC	4.6E-09	NC	3.1E-12	1.8E-03	1.8E+05
18540-29-9	Chromium, Hexavalent	M	1.3E-05	3.0E-03	--	NA	8.3E-12	1.0E-04	2.3E+02	6.5E-06	5.0E-01	--	NA	8.6E-12	1.5E-01	3.1E-01
7440-47-3	Chromium, Total		1.3E-05	1.5E+00	3.7E-07	2.0E-02	8.3E-12	NA	3.6E+04	1.4E-06	NC	4.6E-08	NC	3.1E-12	NC	--
7440-50-8	Copper		1.3E-05	4.0E-02	--	NA	8.3E-12	NA	3.1E+03	1.4E-06	NC	--	NA	3.1E-12	NC	--
7440-66-6	Zinc		1.3E-05	3.0E-01	--	NA	8.3E-12	NA	2.3E+04	1.4E-06	NC	--	NC	3.1E-12	NC	--
Volatile Organic Compounds (VOCs)																
71-55-6	1,1,1-Trichloroethane		1.3E-05	2.0E+00	--	NA	1.8E-04	1.0E+00	5.4E+03	1.4E-06	NC	--	NC	6.6E-05	NC	--
71-43-2	Benzene		1.3E-05	4.0E-03	--	NA	7.8E-05	3.0E-03	3.4E+01	1.4E-06	1.0E-01	--	NC	2.9E-05	2.9E-05	1.0E+00
156-59-2	cis-1,2-Dichloroethene		1.3E-05	2.0E-03	--	NA	1.1E-04	8.0E-03	5.0E+01	1.4E-06	NC	--	NC	4.1E-05	NC	--
100-41-4	Ethylbenzene		1.3E-05	1.0E-01	--	NA	4.9E-05	1.0E+00	5.7E+03	1.4E-06	1.1E-02	--	NC	1.8E-05	2.5E-06	1.6E+01
127-18-4	Tetrachloroethylene		1.3E-05	6.0E-03	--	NA	1.2E-04	3.5E-02	1.8E+02	1.4E-06	5.4E-01	--	NC	4.5E-05	6.1E-06	9.5E-01
108-88-3	Toluene		1.3E-05	8.0E-02	--	NA	6.5E-05	3.0E-01	2.7E+03	1.4E-06	NC	--	NC	2.4E-05	NC	--
156-60-5	trans-1,2-Dichloroethene		1.3E-05	2.0E-02	--	NA	1.6E-04	8.0E-02	3.7E+02	1.4E-06	NC	--	NC	6.0E-05	NC	--
79-01-6	Trichloroethylene	M	1.3E-05	5.0E-04	--	NA	1.3E-04	2.0E-03	1.1E+01	2.5E-06	4.6E-02	--	NC	6.8E-05	4.1E-06	2.5E+00

Notes:

-- " not applicable; " NA " not available; " NC " not carcinogenic via this route

" IF " intake factor; " ECF " exposure concentration factor

" M " COPC considered a mutagen; therefore, the equations provided in the USEPA Regional Screening Level guide (USEPA, 2016) were used.

RBCnc: risk-based concentration based on noncancer effects (nc) and a target noncancer hazard = 1

RBCc: risk-based concentration based on cancer effects (c) and a target cancer risk = 10⁻⁶

CAS Number	Chemical of Potential Concern	Noncancer Effects							Cancer Effects						
		Ingestion		Dermal Contact		Outdoor Inhalation		RBC _{soil-nc} (mg/kg)	Ingestion		Dermal Contact		Outdoor Inhalation		RBC _{soil-c} (mg/kg)
		IF _{oral} (mg/kg-day)	Reference Dose (mg/kg-day)	IF _{dermal} (mg/kg-day)	Reference Dose (mg/kg-day)	ECF _{inh,soil} (mg/m ³ -mg/kg)	Reference Concentration (mg/m ³)		IF _{oral} (mg/kg-day)	Cancer Slope Factor (mg/kg-day) ⁻¹	IF _{dermal} (mg/kg-day)	Cancer Slope Factor (mg/kg-day) ⁻¹	ECF _{inh,soil} (mg/m ³ -mg/kg)	Inhalation Unit Risk (μg/m ³) ⁻¹	
Metals															
7440-41-7	Beryllium	8.6E-07	2.0E-04	1.0E-07	2.0E-04	2.0E-12	7.0E-06	2.1E+02	3.1E-07	NC	3.7E-08	NC	7.1E-13	2.4E-03	5.9E+06
7440-43-9	Cadmium	8.6E-07	6.3E-06	1.0E-08	6.3E-06	2.0E-12	1.0E-05	7.3E+00	3.1E-07	NC	3.7E-09	NC	7.1E-13	1.8E-03	7.8E+06
18540-29-9	Chromium, Hexavalent	8.6E-07	3.0E-03	--	NA	2.0E-12	1.0E-04	3.5E+03	3.1E-07	5.0E-01	--	NA	7.1E-13	1.5E-01	6.5E+01
7440-47-3	Chromium, Total	8.6E-07	1.5E+00	1.0E-07	2.0E-02	2.0E-12	NA	1.7E+05	3.1E-07	NC	3.7E-08	NC	7.1E-13	NC	--
7440-50-8	Copper	8.6E-07	4.0E-02	--	NA	2.0E-12	NA	4.7E+04	3.1E-07	NC	--	NA	7.1E-13	NC	--
7440-66-6	Zinc	8.6E-07	3.0E-01	--	NA	2.0E-12	NA	3.5E+05	3.1E-07	NC	--	NC	7.1E-13	NC	--
Volatile Organic Compounds (VOCs)															
71-55-6	1,1,1-Trichloroethane	8.6E-07	2.0E+00	--	NA	4.3E-05	1.0E+00	2.3E+04	3.1E-07	NC	--	NC	1.6E-05	NC	--
71-43-2	Benzene	8.6E-07	4.0E-03	--	NA	1.9E-05	3.0E-03	1.5E+02	3.1E-07	1.0E-01	--	NC	6.8E-06	2.9E-05	4.4E+01
156-59-2	cis-1,2-Dichloroethene	8.6E-07	2.0E-03	--	NA	2.7E-05	8.0E-03	2.7E+02	3.1E-07	NC	--	NC	9.5E-06	NC	--
100-41-4	Ethylbenzene	8.6E-07	1.0E-01	--	NA	1.2E-05	1.0E+00	4.9E+04	3.1E-07	1.1E-02	--	NC	4.2E-06	2.5E-06	7.2E+02
127-18-4	Tetrachloroethylene	8.6E-07	6.0E-03	--	NA	3.0E-05	3.5E-02	1.0E+03	3.1E-07	5.4E-01	--	NC	1.1E-05	6.1E-06	4.3E+01
108-88-3	Toluene	8.6E-07	8.0E-02	--	NA	1.6E-05	3.0E-01	1.6E+04	3.1E-07	NC	--	NC	5.6E-06	NC	--
156-60-5	trans-1,2-Dichloroethene	8.6E-07	2.0E-02	--	NA	3.9E-05	8.0E-02	1.9E+03	3.1E-07	NC	--	NC	1.4E-05	NC	--
79-01-6	Trichloroethylene	8.6E-07	5.0E-04	--	NA	3.1E-05	2.0E-03	5.8E+01	3.1E-07	4.6E-02	--	NC	1.1E-05	4.1E-06	1.7E+02

Notes:

"--" not applicable; "NA" not available; "NC" not carcinogenic via this route

"IF" intake factor; "ECF" exposure concentration factor

RBCnc: risk-based concentration based on noncancer effects (nc) and a target noncancer hazard = 1

RBCc: risk-based concentration based on cancer effects (c) and a target cancer risk = 10⁻⁵

CAS Number	Chemical of Potential Concern	Noncancer Effects							Cancer Effects						
		Ingestion		Dermal Contact		Outdoor Inhalation		RBC _{soil-nc} (mg/kg)	Ingestion		Dermal Contact		Outdoor Inhalation		RBC _{soil-c} (mg/kg)
		IF _{oral} (mg/kg-day)	Reference Dose (mg/kg-day)	IF _{dermal} (mg/kg-day)	Reference Dose (mg/kg-day)	ECF _{inh,soil} (mg/m ³ -mg/kg)	Reference Concentration (mg/m ³)		IF _{oral} (mg/kg-day)	Cancer Slope Factor (mg/kg-day) ⁻¹	IF _{dermal} (mg/kg-day)	Cancer Slope Factor (mg/kg-day) ⁻¹	ECF _{inh,soil} (mg/m ³ -mg/kg)	Inhalation Unit Risk (μg/m ³) ⁻¹	
Metals															
7440-41-7	Beryllium	2.8E-06	2.0E-04	4.1E-07	2.0E-04	5.5E-08	7.0E-06	4.2E+01	4.0E-08	NC	5.9E-09	NC	7.8E-10	2.4E-03	5.3E+03
7440-43-9	Cadmium	2.8E-06	6.3E-06	4.1E-08	6.3E-06	5.5E-08	1.0E-05	2.2E+00	4.0E-08	NC	5.9E-10	NC	7.8E-10	1.8E-03	7.1E+03
18540-29-9	Chromium, Hexavalent	2.8E-06	3.0E-03	--	NA	5.5E-08	1.0E-04	6.7E+02	4.0E-08	5.0E-01	--	NA	7.8E-10	1.5E-01	7.3E+01
7440-47-3	Chromium, Total	2.8E-06	1.5E+00	4.1E-07	2.0E-02	5.5E-08	NA	4.3E+04	4.0E-08	NC	5.9E-09	NC	7.8E-10	NC	--
7440-50-8	Copper	2.8E-06	4.0E-02	--	NA	5.5E-08	NA	1.4E+04	4.0E-08	NC	--	NA	7.8E-10	NC	--
7440-66-6	Zinc	2.8E-06	3.0E-01	--	NA	5.5E-08	NA	1.1E+05	4.0E-08	NC	--	NC	7.8E-10	NC	--
Volatile Organic Compounds (VOCs)															
71-55-6	1,1,1-Trichloroethane	2.8E-06	2.0E+00	--	NA	3.2E-04	1.0E+00	3.1E+03	4.0E-08	NC	--	NC	4.6E-06	NC	--
71-43-2	Benzene	2.8E-06	4.0E-03	--	NA	1.4E-04	3.0E-03	2.1E+01	4.0E-08	1.0E-01	--	NC	2.0E-06	2.9E-05	1.6E+02
156-59-2	cis-1,2-Dichloroethene	2.8E-06	2.0E-03	--	NA	2.0E-04	8.0E-03	3.9E+01	4.0E-08	NC	--	NC	2.8E-06	NC	--
100-41-4	Ethylbenzene	2.8E-06	1.0E-01	--	NA	8.7E-05	1.0E+00	8.7E+03	4.0E-08	1.1E-02	--	NC	1.2E-06	2.5E-06	2.8E+03
127-18-4	Tetrachloroethylene	2.8E-06	6.0E-03	--	NA	2.2E-04	3.5E-02	1.5E+02	4.0E-08	5.4E-01	--	NC	3.1E-06	6.1E-06	2.4E+02
108-88-3	Toluene	2.8E-06	8.0E-02	--	NA	1.1E-04	3.0E-01	2.4E+03	4.0E-08	NC	--	NC	1.6E-06	NC	--
156-60-5	trans-1,2-Dichloroethene	2.8E-06	2.0E-02	--	NA	2.9E-04	8.0E-02	2.7E+02	4.0E-08	NC	--	NC	4.1E-06	NC	--
79-01-6	Trichloroethylene	2.8E-06	5.0E-04	--	NA	2.3E-04	2.0E-03	8.4E+00	4.0E-08	4.6E-02	--	NC	3.3E-06	4.1E-06	6.6E+02

Notes:

"--" not applicable; "NA" not available; "NC" not carcinogenic via this route

"IF" intake factor; "ECF" exposure concentration factor

RBC_{nc}: risk-based concentration based on noncancer effects (nc) and a target noncancer hazard = 1

RBC_c: risk-based concentration based on cancer effects (c) and a target cancer risk = 10⁻⁵

CAS Number	Chemical of Potential Concern	Note	Future Resident		Future Commercial Worker		Future Construction Worker	
			RBC _{soil-NC} (mg/kg)	RBC _{soil-C} (mg/kg)	RBC _{soil-NC} (mg/kg)	RBC _{soil-C} (mg/kg)	RBC _{soil-NC} (mg/kg)	RBC _{soil-C} (mg/kg)
Metals								
7440-41-7	Beryllium		1.6E+02	1.3E+05	2.1E+02	5.9E+06	4.2E+01	5.3E+03
7440-43-9	Cadmium		5.2E+00	1.8E+05	7.3E+00	7.8E+06	2.2E+00	7.1E+03
18540-29-9	Chromium, Hexavalent	M	2.3E+02	3.1E-01	3.5E+03	6.5E+01	6.7E+02	7.3E+01
7440-47-3	Chromium, Total		3.6E+04	--	1.7E+05	--	4.3E+04	--
7440-50-8	Copper		3.1E+03	--	4.7E+04	--	1.4E+04	--
7440-66-6	Zinc		2.3E+04	--	3.5E+05	--	1.1E+05	--
Volatile Organic Compounds (VOCs)								
71-55-6	1,1,1-Trichloroethane		5.4E+03	--	2.3E+04	--	3.1E+03	--
71-43-2	Benzene		3.4E+01	1.0E+00	1.5E+02	4.4E+01	2.1E+01	1.6E+02
156-59-2	cis-1,2-Dichloroethene		5.0E+01	--	2.7E+02	--	3.9E+01	--
100-41-4	Ethylbenzene		5.7E+03	1.6E+01	4.9E+04	7.2E+02	8.7E+03	2.8E+03
127-18-4	Tetrachloroethylene		1.8E+02	9.5E-01	1.0E+03	4.3E+01	1.5E+02	2.4E+02
108-88-3	Toluene		2.7E+03	--	1.6E+04	--	2.4E+03	--
156-60-5	trans-1,2-Dichloroethene		3.7E+02	--	1.9E+03	--	2.7E+02	--
79-01-6	Trichloroethylene	M	1.1E+01	2.5E+00	5.8E+01	1.7E+02	8.4E+00	6.6E+02

Notes:

"--" - not applicable

"M" COPC considered a mutagen; therefore, the equations provided in the USEPA Regional Screening Level guide (USEPA, 2016) were used for Residential RBCs

RBC - risk-based concentration

"nc" - RBC based on noncancer effects; "c" - RBC based on cancer effects

RBCs based on target cancer risk = 10^{-5} for workers and 10^{-6} for residents and target noncancer hazard = 1

CAS Number	Chemical of Potential Concern	4-ft AF _{SV-IA}	15-ft AF _{SV-IA}	20-ft AF _{SV-IA}	30-ft AF _{SV-IA}	Future Resident									
						Cancer-Based					Noncancer-Based				
						SL _{air-C} (µg/m ³)	4-ft RBC _{SV-C} (µg/m ³)	15-ft RBC _{SV-C} (µg/m ³)	20-ft RBC _{SV-C} (µg/m ³)	30-ft RBC _{SV-C} (µg/m ³)	SL _{air-NC} (µg/m ³)	4-ft RBC _{SV-NC} (µg/m ³)	15-ft RBC _{SV-NC} (µg/m ³)	20-ft RBC _{SV-NC} (µg/m ³)	30-ft RBC _{SV-NC} (µg/m ³)
630-20-6	1,1,1,2-Tetrachloroethane	7.5E-05	1.9E-05	1.7E-05	1.4E-05	3.8E-01	5.1E+03	2.0E+04	2.2E+04	2.8E+04	1.3E+02	1.7E+06	6.5E+06	7.4E+06	9.2E+06
71-55-6	1,1,1-Trichloroethane	9.7E-05	2.5E-05	2.2E-05	1.8E-05	--	--	--	--	--	1.0E+03	1.1E+07	4.1E+07	4.7E+07	5.8E+07
75-34-3	1,1-Dichloroethane	1.2E-04	3.3E-05	2.9E-05	2.3E-05	1.8E+00	1.4E+04	5.4E+04	6.1E+04	7.6E+04	8.3E+02	6.7E+06	2.6E+07	2.9E+07	3.6E+07
75-35-4	1,1-Dichloroethene	1.3E-04	3.3E-05	2.9E-05	2.4E-05	--	--	--	--	--	7.3E+01	5.7E+05	2.2E+06	2.5E+06	3.1E+06
95-63-6	1,2,4-Trimethylbenzene	9.1E-05	2.4E-05	2.1E-05	1.7E-05	--	--	--	--	--	7.3E+00	8.0E+04	3.1E+05	3.5E+05	4.3E+05
108-67-8	1,3,5-Trimethylbenzene	9.0E-05	2.3E-05	2.1E-05	1.7E-05	--	--	--	--	--	4.2E+01	4.6E+05	1.8E+06	2.0E+06	2.5E+06
99-87-6	4-Isopropyltoluene	9.5E-05	2.5E-05	2.2E-05	1.8E-05	--	--	--	--	--	4.2E+02	4.4E+06	1.7E+07	1.9E+07	2.4E+07
71-43-2	Benzene	1.3E-04	3.5E-05	3.1E-05	2.5E-05	9.7E-02	7.3E+02	2.8E+03	3.2E+03	3.9E+03	3.1E+00	2.4E+04	9.0E+04	1.0E+05	1.3E+05
108-90-7	Chlorobenzene	1.1E-04	2.8E-05	2.5E-05	2.0E-05	--	--	--	--	--	5.2E+01	4.8E+05	1.8E+06	2.1E+06	2.6E+06
67-66-3	Chloroform	1.2E-04	3.0E-05	2.6E-05	2.1E-05	1.2E-01	1.1E+03	4.1E+03	4.6E+03	5.7E+03	1.0E+02	8.9E+05	3.4E+06	3.9E+06	4.8E+06
156-59-2	cis-1,2-Dichloroethene	1.3E-04	3.4E-05	3.0E-05	2.4E-05	--	--	--	--	--	8.3E+00	6.4E+04	2.4E+05	2.8E+05	3.4E+05
75-71-8	Dichlorodifluoromethane	1.1E-04	2.9E-05	2.6E-05	2.1E-05	--	--	--	--	--	1.0E+02	9.3E+05	3.5E+06	4.0E+06	5.0E+06
100-41-4	Ethylbenzene	1.0E-04	2.7E-05	2.3E-05	1.9E-05	1.1E+00	1.1E+04	4.2E+04	4.8E+04	5.9E+04	1.0E+03	1.0E+07	3.9E+07	4.4E+07	5.5E+07
76-13-1	Freon 113	5.7E-05	1.5E-05	1.3E-05	1.0E-05	--	--	--	--	--	3.1E+04	5.5E+08	2.1E+09	2.4E+09	3.0E+09
104-51-8	n-Butylbenzene	7.9E-05	2.1E-05	1.8E-05	1.5E-05	--	--	--	--	--	2.1E+02	2.6E+06	1.0E+07	1.2E+07	1.4E+07
103-65-1	n-Propylbenzene	9.0E-05	2.3E-05	2.1E-05	1.7E-05	--	--	--	--	--	1.0E+03	1.2E+07	4.5E+07	5.1E+07	6.3E+07
127-18-4	Tetrachloroethylene	7.6E-05	2.0E-05	1.7E-05	1.4E-05	4.6E-01	6.0E+03	2.3E+04	2.7E+04	3.3E+04	3.7E+01	4.8E+05	1.9E+06	2.1E+06	2.6E+06
108-88-3	Toluene	1.2E-04	3.0E-05	2.7E-05	2.1E-05	--	--	--	--	--	3.1E+02	2.7E+06	1.0E+07	1.2E+07	1.5E+07
79-01-6	Trichloroethylene	1.0E-04	2.7E-05	2.4E-05	1.9E-05	4.8E-01	4.7E+03	1.8E+04	2.0E+04	2.5E+04	2.1E+00	2.0E+04	7.8E+04	8.9E+04	1.1E+05
75-69-4	Trichlorofluoromethane	9.7E-05	2.5E-05	2.2E-05	1.8E-05	--	--	--	--	--	1.3E+03	1.3E+07	4.9E+07	5.6E+07	7.0E+07
1330-20-7	Xylenes	1.0E-04	2.7E-05	2.3E-05	1.9E-05	--	--	--	--	--	1.0E+02	1.0E+06	3.9E+06	4.4E+06	5.5E+06

Notes:

" -- " not applicable

Soil vapor-to-indoor air attenuation factor (AF_{SV-IA}) (unitless)

SL_{air}: Indoor air screening level

RBC_{SV-NC}: risk-based concentration based on noncancer effects (nc) and a target noncancer hazard = 1

RBC_{SV-C}: risk-based concentration based on cancer effects (c) and a target cancer risk = 10⁻⁶

CAS Number	Chemical of Potential Concern	4-ft AF _{SV-IA}	15-ft AF _{SV-IA}	20-ft AF _{SV-IA}	30-ft AF _{SV-IA}	Future Commercial Worker									
						Cancer-Based					Noncancer-Based				
						SL _{air-C} (µg/m ³)	4-ft RBC _{SV-C} (µg/m ³)	15-ft RBC _{SV-C} (µg/m ³)	20-ft RBC _{SV-C} (µg/m ³)	30-ft RBC _{SV-C} (µg/m ³)	SL _{air-NC} (µg/m ³)	4-ft RBC _{SV-NC} (µg/m ³)	15-ft RBC _{SV-NC} (µg/m ³)	20-ft RBC _{SV-NC} (µg/m ³)	30-ft RBC _{SV-NC} (µg/m ³)
630-20-6	1,1,1,2-Tetrachloroethane	2.5E-05	6.4E-06	5.6E-06	4.5E-06	1.7E+01	6.7E+05	2.6E+06	2.9E+06	3.7E+06	5.3E+02	2.1E+07	8.2E+07	9.3E+07	1.2E+08
71-55-6	1,1,1-Trichloroethane	3.2E-05	8.4E-06	7.4E-06	6.0E-06	--	--	--	--	--	4.4E+03	1.4E+08	5.2E+08	5.9E+08	7.4E+08
75-34-3	1,1-Dichloroethane	4.1E-05	1.1E-05	9.5E-06	7.7E-06	7.7E+01	1.9E+06	7.1E+06	8.0E+06	1.0E+07	3.5E+03	8.5E+07	3.2E+08	3.7E+08	4.6E+08
75-35-4	1,1-Dichloroethene	4.2E-05	1.1E-05	9.8E-06	7.9E-06	--	--	--	--	--	3.1E+02	7.2E+06	2.8E+07	3.1E+07	3.9E+07
95-63-6	1,2,4-Trimethylbenzene	3.0E-05	7.9E-06	7.0E-06	5.6E-06	--	--	--	--	--	3.1E+01	1.0E+06	3.9E+06	4.4E+06	5.5E+06
108-67-8	1,3,5-Trimethylbenzene	3.0E-05	7.8E-06	6.9E-06	5.5E-06	--	--	--	--	--	1.8E+02	5.8E+06	2.2E+07	2.5E+07	3.2E+07
99-87-6	4-Isopropyltoluene	3.2E-05	8.2E-06	7.2E-06	5.8E-06	--	--	--	--	--	1.8E+03	5.5E+07	2.1E+08	2.4E+08	3.0E+08
71-43-2	Benzene	4.4E-05	1.2E-05	1.0E-05	8.2E-06	4.2E+00	9.6E+04	3.6E+05	4.1E+05	5.1E+05	1.3E+01	3.0E+05	1.1E+06	1.3E+06	1.6E+06
108-90-7	Chlorobenzene	3.6E-05	9.4E-06	8.3E-06	6.7E-06	--	--	--	--	--	2.2E+02	6.1E+06	2.3E+07	2.6E+07	3.3E+07
67-66-3	Chloroform	3.8E-05	1.0E-05	8.8E-06	7.1E-06	5.3E+00	1.4E+05	5.3E+05	6.0E+05	7.5E+05	4.3E+02	1.1E+07	4.3E+07	4.9E+07	6.0E+07
156-59-2	cis-1,2-Dichloroethene	4.4E-05	1.1E-05	1.0E-05	8.1E-06	--	--	--	--	--	3.5E+01	8.0E+05	3.0E+06	3.5E+06	4.3E+06
75-71-8	Dichlorodifluoromethane	3.7E-05	9.8E-06	8.6E-06	7.0E-06	--	--	--	--	--	4.4E+02	1.2E+07	4.5E+07	5.1E+07	6.3E+07
100-41-4	Ethylbenzene	3.4E-05	8.9E-06	7.8E-06	6.3E-06	4.9E+01	1.4E+06	5.5E+06	6.3E+06	7.8E+06	4.4E+03	1.3E+08	4.9E+08	5.6E+08	7.0E+08
76-13-1	Freon 113	1.9E-05	4.9E-06	4.3E-06	3.5E-06	--	--	--	--	--	1.3E+05	6.9E+09	2.7E+10	3.1E+10	3.8E+10
104-51-8	n-Butylbenzene	2.6E-05	6.9E-06	6.0E-06	4.9E-06	--	--	--	--	--	8.8E+02	3.3E+07	1.3E+08	1.5E+08	1.8E+08
103-65-1	n-Propylbenzene	3.0E-05	7.8E-06	6.9E-06	5.5E-06	--	--	--	--	--	4.4E+03	1.5E+08	5.6E+08	6.4E+08	7.9E+08
127-18-4	Tetrachloroethylene	2.5E-05	6.6E-06	5.8E-06	4.6E-06	2.0E+01	7.9E+05	3.1E+06	3.5E+06	4.3E+06	1.5E+02	6.0E+06	2.3E+07	2.7E+07	3.3E+07
108-88-3	Toluene	3.9E-05	1.0E-05	8.9E-06	7.2E-06	--	--	--	--	--	1.3E+03	3.4E+07	1.3E+08	1.5E+08	1.8E+08
79-01-6	Trichloroethylene	3.4E-05	8.9E-06	7.8E-06	6.3E-06	3.0E+01	8.8E+05	3.4E+06	3.8E+06	4.7E+06	8.8E+00	2.6E+05	9.8E+05	1.1E+06	1.4E+06
75-69-4	Trichlorofluoromethane	3.2E-05	8.4E-06	7.4E-06	6.0E-06	--	--	--	--	--	5.3E+03	1.6E+08	6.2E+08	7.1E+08	8.8E+08
1330-20-7	Xylenes	3.4E-05	8.9E-06	7.8E-06	6.3E-06	--	--	--	--	--	4.4E+02	1.3E+07	4.9E+07	5.6E+07	6.9E+07

Notes:

" -- " not applicable

Soil vapor-to-indoor air attenuation factor (AF_{SV-IA}) (unitless)

SL_{air}: Indoor air screening level

RBC_{SV-NC}: risk-based concentration based on noncancer effects (nc) and a target noncancer hazard = 1

RBC_{SV-C}: risk-based concentration based on cancer effects (c) and a target cancer risk = 10⁻⁵

CAS Number	Chemical of Potential Concern	Future Commercial Worker								Future Resident							
		4 ft-bgs		15 ft-bgs		20 ft-bgs		30 ft-bgs		4 ft-bgs		15 ft-bgs		20 ft-bgs		30 ft-bgs	
		RBC _{SV-C} (µg/m ³)	RBC _{SV-NC} (µg/m ³)	RBC _{SV-C} (µg/m ³)	RBC _{SV-NC} (µg/m ³)	RBC _{SV-C} (µg/m ³)	RBC _{SV-NC} (µg/m ³)	RBC _{SV-C} (µg/m ³)	RBC _{SV-NC} (µg/m ³)	RBC _{SV-C} (µg/m ³)	RBC _{SV-NC} (µg/m ³)	RBC _{SV-C} (µg/m ³)	RBC _{SV-NC} (µg/m ³)	RBC _{SV-C} (µg/m ³)	RBC _{SV-NC} (µg/m ³)	RBC _{SV-C} (µg/m ³)	RBC _{SV-NC} (µg/m ³)
630-20-6	1,1,1,2-Tetrachloroethane	6.7E+05	2.1E+07	2.6E+06	8.2E+07	2.9E+06	9.3E+07	3.7E+06	1.2E+08	5.1E+03	1.7E+06	2.0E+04	6.5E+06	2.2E+04	7.4E+06	2.8E+04	9.2E+06
71-55-6	1,1,1-Trichloroethane	--	1.4E+08	--	5.2E+08	--	5.9E+08	--	7.4E+08	--	1.1E+07	--	4.1E+07	--	4.7E+07	--	5.8E+07
75-34-3	1,1-Dichloroethane	1.9E+06	8.5E+07	7.1E+06	3.2E+08	8.0E+06	3.7E+08	1.0E+07	4.6E+08	1.4E+04	6.7E+06	5.4E+04	2.6E+07	6.1E+04	2.9E+07	7.6E+04	3.6E+07
75-35-4	1,1-Dichloroethene	--	7.2E+06	--	2.8E+07	--	3.1E+07	--	3.9E+07	--	5.7E+05	--	2.2E+06	--	2.5E+06	--	3.1E+06
95-63-6	1,2,4-Trimethylbenzene	--	1.0E+06	--	3.9E+06	--	4.4E+06	--	5.5E+06	--	8.0E+04	--	3.1E+05	--	3.5E+05	--	4.3E+05
108-67-8	1,3,5-Trimethylbenzene	--	5.8E+06	--	2.2E+07	--	2.5E+07	--	3.2E+07	--	4.6E+05	--	1.8E+06	--	2.0E+06	--	2.5E+06
99-87-6	4-Isopropyltoluene	--	5.5E+07	--	2.1E+08	--	2.4E+08	--	3.0E+08	--	4.4E+06	--	1.7E+07	--	1.9E+07	--	2.4E+07
71-43-2	Benzene	9.6E+04	3.0E+05	3.6E+05	1.1E+06	4.1E+05	1.3E+06	5.1E+05	1.6E+06	7.3E+02	2.4E+04	2.8E+03	9.0E+04	3.2E+03	1.0E+05	3.9E+03	1.3E+05
108-90-7	Chlorobenzene	--	6.1E+06	--	2.3E+07	--	2.6E+07	--	3.3E+07	--	4.8E+05	--	1.8E+06	--	2.1E+06	--	2.6E+06
67-66-3	Chloroform	1.4E+05	1.1E+07	5.3E+05	4.3E+07	6.0E+05	4.9E+07	7.5E+05	6.0E+07	1.1E+03	8.9E+05	4.1E+03	3.4E+06	4.6E+03	3.9E+06	5.7E+03	4.8E+06
156-59-2	cis-1,2-Dichloroethene	--	8.0E+05	--	3.0E+06	--	3.5E+06	--	4.3E+06	--	6.4E+04	--	2.4E+05	--	2.8E+05	--	3.4E+05
75-71-8	Dichlorodifluoromethane	--	1.2E+07	--	4.5E+07	--	5.1E+07	--	6.3E+07	--	9.3E+05	--	3.5E+06	--	4.0E+06	--	5.0E+06
100-41-4	Ethylbenzene	1.4E+06	1.3E+08	5.5E+06	4.9E+08	6.3E+06	5.6E+08	7.8E+06	7.0E+08	1.1E+04	1.0E+07	4.2E+04	3.9E+07	4.8E+04	4.4E+07	5.9E+04	5.5E+07
76-13-1	Freon 113	--	6.9E+09	--	2.7E+10	--	3.1E+10	--	3.8E+10	--	5.5E+08	--	2.1E+09	--	2.4E+09	--	3.0E+09
104-51-8	n-Butylbenzene	--	3.3E+07	--	1.3E+08	--	1.5E+08	--	1.8E+08	--	2.6E+06	--	1.0E+07	--	1.2E+07	--	1.4E+07
103-65-1	n-Propylbenzene	--	1.5E+08	--	5.6E+08	--	6.4E+08	--	7.9E+08	--	1.2E+07	--	4.5E+07	--	5.1E+07	--	6.3E+07
127-18-4	Tetrachloroethylene	7.9E+05	6.0E+06	3.1E+06	2.3E+07	3.5E+06	2.7E+07	4.3E+06	3.3E+07	6.0E+03	4.8E+05	2.3E+04	1.9E+06	2.7E+04	2.1E+06	3.3E+04	2.6E+06
108-88-3	Toluene	--	3.4E+07	--	1.3E+08	--	1.5E+08	--	1.8E+08	--	2.7E+06	--	1.0E+07	--	1.2E+07	--	1.5E+07
79-01-6	Trichloroethylene	8.8E+05	2.6E+05	3.4E+06	9.8E+05	3.8E+06	1.1E+06	4.7E+06	1.4E+06	4.7E+03	2.0E+04	1.8E+04	7.8E+04	2.0E+04	8.9E+04	2.5E+04	1.1E+05
75-69-4	Trichlorofluoromethane	--	1.6E+08	--	6.2E+08	--	7.1E+08	--	8.8E+08	--	1.3E+07	--	4.9E+07	--	5.6E+07	--	7.0E+07
1330-20-7	Xylenes	--	1.3E+07	--	4.9E+07	--	5.6E+07	--	6.9E+07	--	1.0E+06	--	3.9E+06	--	4.4E+06	--	5.5E+06

Notes:

µg/m³: micrograms per cubic meter

ft bgs: feet below ground surface

RBC_{SV-NC}: risk-based concentration based on noncancer effects (nc) and a target noncancer hazard = 1

RBC_{SV-C}: risk-based concentration based on cancer effects (c) and a target cancer risk = 10⁻⁶ for residents and 10⁻⁵ for workers

CAS Number	Chemical of Potential Concern	4-ft AF _{SV-IA}	15-ft AF _{SV-IA}	20-ft AF _{SV-IA}	30-ft AF _{SV-IA}	Future Resident									
						Cancer-Based					Noncancer-Based				
						SL _{air-C} (µg/m ³)	4-ft RBC _{SV-C} (µg/m ³)	15-ft RBC _{SV-C} (µg/m ³)	20-ft RBC _{SV-C} (µg/m ³)	30-ft RBC _{SV-C} (µg/m ³)	SL _{air-NC} (µg/m ³)	4-ft RBC _{SV-NC} (µg/m ³)	15-ft RBC _{SV-NC} (µg/m ³)	20-ft RBC _{SV-NC} (µg/m ³)	30-ft RBC _{SV-NC} (µg/m ³)
630-20-6	1,1,1,2-Tetrachloroethane	9.9E-07	2.6E-07	2.3E-07	1.8E-07	3.8E-01	3.8E+05	1.5E+06	1.7E+06	2.1E+06	1.3E+02	1.3E+08	4.9E+08	5.6E+08	6.9E+08
71-55-6	1,1,1-Trichloroethane	1.3E-06	3.4E-07	3.0E-07	2.4E-07	--	--	--	--	--	1.0E+03	8.1E+08	3.1E+09	3.5E+09	4.4E+09
75-34-3	1,1-Dichloroethane	1.7E-06	4.3E-07	3.8E-07	3.1E-07	1.8E+00	1.1E+06	4.0E+06	4.6E+06	5.7E+06	8.3E+02	5.0E+08	1.9E+09	2.2E+09	2.7E+09
75-35-4	1,1-Dichloroethene	1.7E-06	4.5E-07	3.9E-07	3.2E-07	--	--	--	--	--	7.3E+01	4.3E+07	1.6E+08	1.9E+08	2.3E+08
95-63-6	1,2,4-Trimethylbenzene	1.2E-06	3.2E-07	2.8E-07	2.2E-07	--	--	--	--	--	7.3E+00	6.0E+06	2.3E+07	2.6E+07	3.3E+07
108-67-8	1,3,5-Trimethylbenzene	1.2E-06	3.1E-07	2.8E-07	2.2E-07	--	--	--	--	--	4.2E+01	3.5E+07	1.3E+08	1.5E+08	1.9E+08
99-87-6	4-Isopropyltoluene	1.3E-06	3.3E-07	2.9E-07	2.3E-07	--	--	--	--	--	4.2E+02	3.3E+08	1.3E+09	1.4E+09	1.8E+09
71-43-2	Benzene	1.8E-06	4.6E-07	4.1E-07	3.3E-07	9.7E-02	5.5E+04	2.1E+05	2.4E+05	2.9E+05	3.1E+00	1.8E+06	6.7E+06	7.7E+06	9.5E+06
108-90-7	Chlorobenzene	1.4E-06	3.8E-07	3.3E-07	2.7E-07	--	--	--	--	--	5.2E+01	3.6E+07	1.4E+08	1.6E+08	2.0E+08
67-66-3	Chloroform	1.5E-06	4.0E-07	3.5E-07	2.8E-07	1.2E-01	8.0E+04	3.0E+05	3.5E+05	4.3E+05	1.0E+02	6.7E+07	2.5E+08	2.9E+08	3.6E+08
156-59-2	cis-1,2-Dichloroethene	1.7E-06	4.6E-07	4.0E-07	3.3E-07	--	--	--	--	--	8.3E+00	4.8E+06	1.8E+07	2.1E+07	2.6E+07
75-71-8	Dichlorodifluoromethane	1.5E-06	3.9E-07	3.5E-07	2.8E-07	--	--	--	--	--	1.0E+02	7.0E+07	2.7E+08	3.0E+08	3.7E+08
100-41-4	Ethylbenzene	1.4E-06	3.6E-07	3.1E-07	2.5E-07	1.1E+00	8.2E+05	3.2E+06	3.6E+06	4.5E+06	1.0E+03	7.6E+08	2.9E+09	3.3E+09	4.1E+09
76-13-1	Freon 113	7.6E-07	1.9E-07	1.7E-07	1.4E-07	--	--	--	--	--	3.1E+04	4.1E+10	1.6E+11	1.8E+11	2.3E+11
104-51-8	n-Butylbenzene	1.1E-06	2.7E-07	2.4E-07	1.9E-07	--	--	--	--	--	2.1E+02	2.0E+08	7.6E+08	8.7E+08	1.1E+09
103-65-1	n-Propylbenzene	1.2E-06	3.1E-07	2.7E-07	2.2E-07	--	--	--	--	--	1.0E+03	8.7E+08	3.3E+09	3.8E+09	4.7E+09
127-18-4	Tetrachloroethylene	1.0E-06	2.6E-07	2.3E-07	1.9E-07	4.6E-01	4.5E+05	1.8E+06	2.0E+06	2.5E+06	3.7E+01	3.6E+07	1.4E+08	1.6E+08	2.0E+08
108-88-3	Toluene	1.5E-06	4.0E-07	3.6E-07	2.9E-07	--	--	--	--	--	3.1E+02	2.0E+08	7.8E+08	8.8E+08	1.1E+09
79-01-6	Trichloroethylene	1.4E-06	3.6E-07	3.1E-07	2.5E-07	4.8E-01	3.5E+05	1.3E+06	1.5E+06	1.9E+06	2.1E+00	1.5E+06	5.9E+06	6.7E+06	8.3E+06
75-69-4	Trichlorofluoromethane	1.3E-06	3.4E-07	3.0E-07	2.4E-07	--	--	--	--	--	1.3E+03	9.6E+08	3.7E+09	4.2E+09	5.2E+09
1330-20-7	Xylenes	1.4E-06	3.6E-07	3.1E-07	2.5E-07	--	--	--	--	--	1.0E+02	7.6E+07	2.9E+08	3.3E+08	4.1E+08

Notes:

" -- " not applicable

Soil vapor-to-indoor air attenuation factor (AF_{SV-IA}) (unitless)

AF_{SV-IA} = J&E-modeled AF x 3% leakage factor (Center for Energy and Environment, 2004)

SL_{air}: Indoor air screening level

RBC_{SV-NC}: risk-based concentration based on noncancer effects (nc) and a target noncancer hazard = 1

RBC_{SV-C}: risk-based concentration based on cancer effects (c) and a target cancer risk = 10⁻⁶

CAS Number	Chemical of Potential Concern	4-ft AF _{SV-IA}	15-ft AF _{SV-IA}	20-ft AF _{SV-IA}	30-ft AF _{SV-IA}	Future Commercial Worker									
						Cancer-Based					Noncancer-Based				
						SL _{air-C} (µg/m ³)	4-ft RBC _{SV-C} (µg/m ³)	15-ft RBC _{SV-C} (µg/m ³)	20-ft RBC _{SV-C} (µg/m ³)	30-ft RBC _{SV-C} (µg/m ³)	SL _{air-NC} (µg/m ³)	4-ft RBC _{SV-NC} (µg/m ³)	15-ft RBC _{SV-NC} (µg/m ³)	20-ft RBC _{SV-NC} (µg/m ³)	30-ft RBC _{SV-NC} (µg/m ³)
630-20-6	1,1,1,2-Tetrachloroethane	9.9E-07	2.6E-07	2.3E-07	1.8E-07	1.7E+01	1.7E+07	6.5E+07	7.4E+07	9.2E+07	5.3E+02	5.3E+08	2.0E+09	2.3E+09	2.9E+09
71-55-6	1,1,1-Trichloroethane	1.3E-06	3.4E-07	3.0E-07	2.4E-07	--	--	--	--	--	4.4E+03	3.4E+09	1.3E+10	1.5E+10	1.8E+10
75-34-3	1,1-Dichloroethane	1.7E-06	4.3E-07	3.8E-07	3.1E-07	7.7E+01	4.6E+07	1.8E+08	2.0E+08	2.5E+08	3.5E+03	2.1E+09	8.1E+09	9.2E+09	1.1E+10
75-35-4	1,1-Dichloroethene	1.7E-06	4.5E-07	3.9E-07	3.2E-07	--	--	--	--	--	3.1E+02	1.8E+08	6.9E+08	7.8E+08	9.7E+08
95-63-6	1,2,4-Trimethylbenzene	1.2E-06	3.2E-07	2.8E-07	2.2E-07	--	--	--	--	--	3.1E+01	2.5E+07	9.7E+07	1.1E+08	1.4E+08
108-67-8	1,3,5-Trimethylbenzene	1.2E-06	3.1E-07	2.8E-07	2.2E-07	--	--	--	--	--	1.8E+02	1.5E+08	5.6E+08	6.4E+08	7.9E+08
99-87-6	4-Isopropyltoluene	1.3E-06	3.3E-07	2.9E-07	2.3E-07	--	--	--	--	--	1.8E+03	1.4E+09	5.3E+09	6.0E+09	7.5E+09
71-43-2	Benzene	1.8E-06	4.6E-07	4.1E-07	3.3E-07	4.2E+00	2.4E+06	9.1E+06	1.0E+07	1.3E+07	1.3E+01	7.5E+06	2.8E+07	3.2E+07	4.0E+07
108-90-7	Chlorobenzene	1.4E-06	3.8E-07	3.3E-07	2.7E-07	--	--	--	--	--	2.2E+02	1.5E+08	5.8E+08	6.6E+08	8.2E+08
67-66-3	Chloroform	1.5E-06	4.0E-07	3.5E-07	2.8E-07	5.3E+00	3.5E+06	1.3E+07	1.5E+07	1.9E+07	4.3E+02	2.8E+08	1.1E+09	1.2E+09	1.5E+09
156-59-2	cis-1,2-Dichloroethene	1.7E-06	4.6E-07	4.0E-07	3.3E-07	--	--	--	--	--	3.5E+01	2.0E+07	7.6E+07	8.7E+07	1.1E+08
75-71-8	Dichlorodifluoromethane	1.5E-06	3.9E-07	3.5E-07	2.8E-07	--	--	--	--	--	4.4E+02	2.9E+08	1.1E+09	1.3E+09	1.6E+09
100-41-4	Ethylbenzene	1.4E-06	3.6E-07	3.1E-07	2.5E-07	4.9E+01	3.6E+07	1.4E+08	1.6E+08	1.9E+08	4.4E+03	3.2E+09	1.2E+10	1.4E+10	1.7E+10
76-13-1	Freon 113	7.6E-07	1.9E-07	1.7E-07	1.4E-07	--	--	--	--	--	1.3E+05	1.7E+11	6.7E+11	7.7E+11	9.5E+11
104-51-8	n-Butylbenzene	1.1E-06	2.7E-07	2.4E-07	1.9E-07	--	--	--	--	--	8.8E+02	8.3E+08	3.2E+09	3.6E+09	4.5E+09
103-65-1	n-Propylbenzene	1.2E-06	3.1E-07	2.7E-07	2.2E-07	--	--	--	--	--	4.4E+03	3.6E+09	1.4E+10	1.6E+10	2.0E+10
127-18-4	Tetrachloroethylene	1.0E-06	2.6E-07	2.3E-07	1.9E-07	2.0E+01	2.0E+07	7.7E+07	8.7E+07	1.1E+08	1.5E+02	1.5E+08	5.8E+08	6.6E+08	8.2E+08
108-88-3	Toluene	1.5E-06	4.0E-07	3.6E-07	2.9E-07	--	--	--	--	--	1.3E+03	8.5E+08	3.3E+09	3.7E+09	4.6E+09
79-01-6	Trichloroethylene	1.4E-06	3.6E-07	3.1E-07	2.5E-07	3.0E+01	2.2E+07	8.4E+07	9.5E+07	1.2E+08	8.8E+00	6.4E+06	2.5E+07	2.8E+07	3.5E+07
75-69-4	Trichlorofluoromethane	1.3E-06	3.4E-07	3.0E-07	2.4E-07	--	--	--	--	--	5.3E+03	4.0E+09	1.6E+10	1.8E+10	2.2E+10
1330-20-7	Xylenes	1.4E-06	3.6E-07	3.1E-07	2.5E-07	--	--	--	--	--	4.4E+02	3.2E+08	1.2E+09	1.4E+09	1.7E+09

Notes:

" -- " not applicable

Soil vapor-to-indoor air attenuation factor (AF_{SV-IA}) (unitless)

AF_{SV-IA} = J&E-modeled AF x 3% leakage factor (Center for Energy and Environment, 2004)

SL_{air}: Indoor air screening level

RBC_{SV-NC}: risk-based concentration based on noncancer effects (nc) and a target noncancer hazard = 1

RBC_{SV-C}: risk-based concentration based on cancer effects (c) and a target cancer risk = 10⁻⁵

CAS Number	Chemical of Potential Concern	Future Commercial Worker								Future Resident							
		4 ft-bgs		15 ft-bgs		20 ft-bgs		30 ft-bgs		4 ft-bgs		15 ft-bgs		20 ft-bgs		30 ft-bgs	
		RBC _{SV-C} (µg/m ³)	RBC _{SV-NC} (µg/m ³)	RBC _{SV-C} (µg/m ³)	RBC _{SV-NC} (µg/m ³)	RBC _{SV-C} (µg/m ³)	RBC _{SV-NC} (µg/m ³)	RBC _{SV-C} (µg/m ³)	RBC _{SV-NC} (µg/m ³)	RBC _{SV-C} (µg/m ³)	RBC _{SV-NC} (µg/m ³)	RBC _{SV-C} (µg/m ³)	RBC _{SV-NC} (µg/m ³)	RBC _{SV-C} (µg/m ³)	RBC _{SV-NC} (µg/m ³)	RBC _{SV-C} (µg/m ³)	RBC _{SV-NC} (µg/m ³)
630-20-6	1,1,1,2-Tetrachloroethane	1.7E+07	5.3E+08	6.5E+07	2.0E+09	7.4E+07	2.3E+09	9.2E+07	2.9E+09	3.8E+05	1.3E+08	1.5E+06	4.9E+08	1.7E+06	5.6E+08	2.1E+06	6.9E+08
71-55-6	1,1,1-Trichloroethane	--	3.4E+09	--	1.3E+10	--	1.5E+10	--	1.8E+10	--	8.1E+08	--	3.1E+09	--	3.5E+09	--	4.4E+09
75-34-3	1,1-Dichloroethane	4.6E+07	2.1E+09	1.8E+08	8.1E+09	2.0E+08	9.2E+09	2.5E+08	1.1E+10	1.1E+06	5.0E+08	4.0E+06	1.9E+09	4.6E+06	2.2E+09	5.7E+06	2.7E+09
75-35-4	1,1-Dichloroethene	--	1.8E+08	--	6.9E+08	--	7.8E+08	--	9.7E+08	--	4.3E+07	--	1.6E+08	--	1.9E+08	--	2.3E+08
95-63-6	1,2,4-Trimethylbenzene	--	2.5E+07	--	9.7E+07	--	1.1E+08	--	1.4E+08	--	6.0E+06	--	2.3E+07	--	2.6E+07	--	3.3E+07
108-67-8	1,3,5-Trimethylbenzene	--	1.5E+08	--	5.6E+08	--	6.4E+08	--	7.9E+08	--	3.5E+07	--	1.3E+08	--	1.5E+08	--	1.9E+08
99-87-6	4-Isopropyltoluene	--	1.4E+09	--	5.3E+09	--	6.0E+09	--	7.5E+09	--	3.3E+08	--	1.3E+09	--	1.4E+09	--	1.8E+09
71-43-2	Benzene	2.4E+06	7.5E+06	9.1E+06	2.8E+07	1.0E+07	3.2E+07	1.3E+07	4.0E+07	5.5E+04	1.8E+06	2.1E+05	6.7E+06	2.4E+05	7.7E+06	2.9E+05	9.5E+06
108-90-7	Chlorobenzene	--	1.5E+08	--	5.8E+08	--	6.6E+08	--	8.2E+08	--	3.6E+07	--	1.4E+08	--	1.6E+08	--	2.0E+08
67-66-3	Chloroform	3.5E+06	2.8E+08	1.3E+07	1.1E+09	1.5E+07	1.2E+09	1.9E+07	1.5E+09	8.0E+04	6.7E+07	3.0E+05	2.5E+08	3.5E+05	2.9E+08	4.3E+05	3.6E+08
156-59-2	cis-1,2-Dichloroethene	--	2.0E+07	--	7.6E+07	--	8.7E+07	--	1.1E+08	--	4.8E+06	--	1.8E+07	--	2.1E+07	--	2.6E+07
75-71-8	Dichlorodifluoromethane	--	2.9E+08	--	1.1E+09	--	1.3E+09	--	1.6E+09	--	7.0E+07	--	2.7E+08	--	3.0E+08	--	3.7E+08
100-41-4	Ethylbenzene	3.6E+07	3.2E+09	1.4E+08	1.2E+10	1.6E+08	1.4E+10	1.9E+08	1.7E+10	8.2E+05	7.6E+08	3.2E+06	2.9E+09	3.6E+06	3.3E+09	4.5E+06	4.1E+09
76-13-1	Freon 113	--	1.7E+11	--	6.7E+11	--	7.7E+11	--	9.5E+11	--	4.1E+10	--	1.6E+11	--	1.8E+11	--	2.3E+11
104-51-8	n-Butylbenzene	--	8.3E+08	--	3.2E+09	--	3.6E+09	--	4.5E+09	--	2.0E+08	--	7.6E+08	--	8.7E+08	--	1.1E+09
103-65-1	n-Propylbenzene	--	3.6E+09	--	1.4E+10	--	1.6E+10	--	2.0E+10	--	8.7E+08	--	3.3E+09	--	3.8E+09	--	4.7E+09
127-18-4	Tetrachloroethylene	2.0E+07	1.5E+08	7.7E+07	5.8E+08	8.7E+07	6.6E+08	1.1E+08	8.2E+08	4.5E+05	3.6E+07	1.8E+06	1.4E+08	2.0E+06	1.6E+08	2.5E+06	2.0E+08
108-88-3	Toluene	--	8.5E+08	--	3.3E+09	--	3.7E+09	--	4.6E+09	--	2.0E+08	--	7.8E+08	--	8.8E+08	--	1.1E+09
79-01-6	Trichloroethylene	2.2E+07	6.4E+06	8.4E+07	2.5E+07	9.5E+07	2.8E+07	1.2E+08	3.5E+07	3.5E+05	1.5E+06	1.3E+06	5.9E+06	1.5E+06	6.7E+06	1.9E+06	8.3E+06
75-69-4	Trichlorofluoromethane	--	4.0E+09	--	1.6E+10	--	1.8E+10	--	2.2E+10	--	9.6E+08	--	3.7E+09	--	4.2E+09	--	5.2E+09
1330-20-7	Xylenes	--	3.2E+08	--	1.2E+09	--	1.4E+09	--	1.7E+09	--	7.6E+07	--	2.9E+08	--	3.3E+08	--	4.1E+08

Notes:

µg/m³: micrograms per cubic meter

ft bgs: feet below ground surface

RBC_{SV-NC}: risk-based concentration based on noncancer effects (nc) and a target noncancer hazard = 1

RBC_{SV-C}: risk-based concentration based on cancer effects (c) and a target cancer risk = 10⁻⁶ for residents and 10⁻⁵ for workers

APPENDIX F Cumulative Risk Evaluation

Location ID	Depth (ft bgs)	Sample ID	Sample Date	CAS Number	Analyte	Soil Concentration (mg/kg)	Bkgd (mg/kg)	Within Bkgd?	Future Resident				Future Commercial Worker				Future Construction Worker			
									RBC _{soil-NC} (mg/kg)	RBC _{soil-C} (mg/kg)	Noncancer Hazard	Cancer Risk	RBC _{soil-NC} (mg/kg)	RBC _{soil-C} (mg/kg)	Noncancer Hazard	Cancer Risk	RBC _{soil-NC} (mg/kg)	RBC _{soil-C} (mg/kg)	Noncancer Hazard	Cancer Risk
A1	1	A1-1'	5/4/2016	7439-92-1	Lead, Pb	7.1	11.9	Yes	8.0E+01	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd
A1	1	A1-1'	5/4/2016	7440-47-3	Chromium, Cr	15.9	35.7	Yes	3.6E+04	--	Bkgd	Bkgd	1.7E+05	--	Bkgd	Bkgd	4.3E+04	--	Bkgd	Bkgd
A1	1	A1-1'	5/4/2016	7440-50-8	Copper, Cu	33.9	64.4	Yes	3.1E+03	--	Bkgd	Bkgd	4.7E+04	--	Bkgd	Bkgd	1.4E+04	--	Bkgd	Bkgd
A1	1	A1-1'	5/4/2016	7440-66-6	Zinc, Zn	99.1	359	Yes	2.3E+04	--	Bkgd	Bkgd	3.5E+05	--	Bkgd	Bkgd	1.1E+05	--	Bkgd	Bkgd
A1	4.5	A1-4.5'	5/4/2016	7439-92-1	Lead, Pb	3.9	11.9	Yes	8.0E+01	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd
A1	4.5	A1-4.5'	5/4/2016	7440-47-3	Chromium, Cr	33.7	35.7	Yes	3.6E+04	--	Bkgd	Bkgd	1.7E+05	--	Bkgd	Bkgd	4.3E+04	--	Bkgd	Bkgd
A1	4.5	A1-4.5'	5/4/2016	7440-50-8	Copper, Cu	41.7	64.4	Yes	3.1E+03	--	Bkgd	Bkgd	4.7E+04	--	Bkgd	Bkgd	1.4E+04	--	Bkgd	Bkgd
A1	4.5	A1-4.5'	5/4/2016	7440-66-6	Zinc, Zn	76.1	359	Yes	2.3E+04	--	Bkgd	Bkgd	3.5E+05	--	Bkgd	Bkgd	1.1E+05	--	Bkgd	Bkgd
A1	8.5	A1-8.5'	5/4/2016	7439-92-1	Lead, Pb	4.2	11.9	Yes	8.0E+01	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd
A1	8.5	A1-8.5'	5/4/2016	7440-47-3	Chromium, Cr	43.2	35.7	No	3.6E+04	--	1.2E-03	--	1.7E+05	--	2.5E-04	--	4.3E+04	--	1.0E-03	--
A1	8.5	A1-8.5'	5/4/2016	7440-50-8	Copper, Cu	47.3	64.4	Yes	3.1E+03	--	Bkgd	Bkgd	4.7E+04	--	Bkgd	Bkgd	1.4E+04	--	Bkgd	Bkgd
A1	8.5	A1-8.5'	5/4/2016	7440-66-6	Zinc, Zn	94.9	359	Yes	2.3E+04	--	Bkgd	Bkgd	3.5E+05	--	Bkgd	Bkgd	1.1E+05	--	Bkgd	Bkgd
A10	1	A10-1'	5/5/2016	127-18-4	Tetrachloroethylene	0.0068	--	--	1.8E+02	9.5E-01	3.8E-05	7.2E-09	1.0E+03	4.3E+01	6.7E-06	1.6E-09	1.5E+02	2.4E+02	4.6E-05	2.8E-10
A10	1	A10-1'	5/5/2016	7439-92-1	Lead, Pb	6.2	11.9	Yes	8.0E+01	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd
A10	1	A10-1'	5/5/2016	7440-47-3	Chromium, Cr	21.6	35.7	Yes	3.6E+04	--	Bkgd	Bkgd	1.7E+05	--	Bkgd	Bkgd	4.3E+04	--	Bkgd	Bkgd
A10	1	A10-1'	5/5/2016	7440-50-8	Copper, Cu	22.6	64.4	Yes	3.1E+03	--	Bkgd	Bkgd	4.7E+04	--	Bkgd	Bkgd	1.4E+04	--	Bkgd	Bkgd
A10	1	A10-1'	5/5/2016	7440-66-6	Zinc, Zn	66.6	359	Yes	2.3E+04	--	Bkgd	Bkgd	3.5E+05	--	Bkgd	Bkgd	1.1E+05	--	Bkgd	Bkgd
A11	1	A11-1'	5/5/2016	7439-92-1	Lead, Pb	9.6	11.9	Yes	8.0E+01	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd
A11	1	A11-1'	5/5/2016	7440-47-3	Chromium, Cr	28.2	35.7	Yes	3.6E+04	--	Bkgd	Bkgd	1.7E+05	--	Bkgd	Bkgd	4.3E+04	--	Bkgd	Bkgd
A11	1	A11-1'	5/5/2016	7440-50-8	Copper, Cu	106	64.4	No	3.1E+03	--	3.4E-02	--	4.7E+04	--	2.3E-03	--	1.4E+04	--	7.5E-03	--
A11	1	A11-1'	5/5/2016	7440-66-6	Zinc, Zn	161	359	Yes	2.3E+04	--	Bkgd	Bkgd	3.5E+05	--	Bkgd	Bkgd	1.1E+05	--	Bkgd	Bkgd
A11	4.5	A11-4.5'	5/5/2016	7439-92-1	Lead, Pb	2.2	11.9	Yes	8.0E+01	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd
A11	4.5	A11-4.5'	5/5/2016	7440-47-3	Chromium, Cr	21.9	35.7	Yes	3.6E+04	--	Bkgd	Bkgd	1.7E+05	--	Bkgd	Bkgd	4.3E+04	--	Bkgd	Bkgd
A11	4.5	A11-4.5'	5/5/2016	7440-50-8	Copper, Cu	22.8	64.4	Yes	3.1E+03	--	Bkgd	Bkgd	4.7E+04	--	Bkgd	Bkgd	1.4E+04	--	Bkgd	Bkgd
A11	4.5	A11-4.5'	5/5/2016	7440-66-6	Zinc, Zn	49.3	359	Yes	2.3E+04	--	Bkgd	Bkgd	3.5E+05	--	Bkgd	Bkgd	1.1E+05	--	Bkgd	Bkgd
A11	8.5	A11-8.5'/A11-8.5'-D	5/5/2016	7439-92-1	Lead, Pb	3.1	11.9	Yes	8.0E+01	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd
A11	8.5	A11-8.5'/A11-8.5'-D	5/5/2016	7440-47-3	Chromium, Cr	31.6	35.7	Yes	3.6E+04	--	Bkgd	Bkgd	1.7E+05	--	Bkgd	Bkgd	4.3E+04	--	Bkgd	Bkgd
A11	8.5	A11-8.5'/A11-8.5'-D	5/5/2016	7440-50-8	Copper, Cu	31.3	64.4	Yes	3.1E+03	--	Bkgd	Bkgd	4.7E+04	--	Bkgd	Bkgd	1.4E+04	--	Bkgd	Bkgd
A11	8.5	A11-8.5'/A11-8.5'-D	5/5/2016	7440-66-6	Zinc, Zn	73.6	359	Yes	2.3E+04	--	Bkgd	Bkgd	3.5E+05	--	Bkgd	Bkgd	1.1E+05	--	Bkgd	Bkgd
A12	1	A12-1'	5/5/2016	7439-92-1	Lead, Pb	6.8	11.9	Yes	8.0E+01	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd
A12	1	A12-1'	5/5/2016	7440-47-3	Chromium, Cr	33.5	35.7	Yes	3.6E+04	--	Bkgd	Bkgd	1.7E+05	--	Bkgd	Bkgd	4.3E+04	--	Bkgd	Bkgd
A12	1	A12-1'	5/5/2016	7440-50-8	Copper, Cu	38.9	64.4	Yes	3.1E+03	--	Bkgd	Bkgd	4.7E+04	--	Bkgd	Bkgd	1.4E+04	--	Bkgd	Bkgd
A12	1	A12-1'	5/5/2016	7440-66-6	Zinc, Zn	90.5	359	Yes	2.3E+04	--	Bkgd	Bkgd	3.5E+05	--	Bkgd	Bkgd	1.1E+05	--	Bkgd	Bkgd
A12	5	A12-5'	5/5/2016	7439-92-1	Lead, Pb	4.2	11.9	Yes	8.0E+01	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd
A12	5	A12-5'	5/5/2016	7440-47-3	Chromium, Cr	37.7	35.7	No	3.6E+04	--	1.0E-03	--	1.7E+05	--	2.2E-04	--	4.3E+04	--	8.7E-04	--
A12	5	A12-5'	5/5/2016	7440-50-8	Copper, Cu	45.5	64.4	Yes	3.1E+03	--	Bkgd	Bkgd	4.7E+04	--	Bkgd	Bkgd	1.4E+04	--	Bkgd	Bkgd
A12	5	A12-5'	5/5/2016	7440-66-6	Zinc, Zn	79.2	359	Yes	2.3E+04	--	Bkgd	Bkgd	3.5E+05	--	Bkgd	Bkgd	1.1E+05	--	Bkgd	Bkgd
A12	11	A12-11'	5/5/2016	7439-92-1	Lead, Pb	4.2	11.9	Yes	8.0E+01	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd
A12	11	A12-11'	5/5/2016	7440-47-3	Chromium, Cr	35.5	35.7	Yes	3.6E+04	--	Bkgd	Bkgd	1.7E+05	--	Bkgd	Bkgd	4.3E+04	--	Bkgd	Bkgd
A12	11	A12-11'	5/5/2016	7440-50-8	Copper, Cu	42.4	64.4	Yes	3.1E+03	--	Bkgd	Bkgd	4.7E+04	--	Bkgd	Bkgd	1.4E+04	--	Bkgd	Bkgd
A12	11	A12-11'	5/5/2016	7440-66-6	Zinc, Zn	84.5	359	Yes	2.3E+04	--	Bkgd	Bkgd	3.5E+05	--	Bkgd	Bkgd	1.1E+05	--	Bkgd	Bkgd
A13	1	A13-1'	5/5/2016	7439-92-1	Lead, Pb	4	11.9	Yes	8.0E+01	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd
A13	1	A13-1'	5/5/2016	7440-47-3	Chromium, Cr	30.2	35.7	Yes	3.6E+04	--	Bkgd	Bkgd	1.7E+05	--	Bkgd	Bkgd	4.3E+04	--	Bkgd	Bkgd

Location ID	Depth (ft bgs)	Sample ID	Sample Date	CAS Number	Analyte	Soil Concentration (mg/kg)	Bkgd (mg/kg)	Within Bkgd?	Future Resident				Future Commercial Worker				Future Construction Worker			
									RBC _{soil-NC} (mg/kg)	RBC _{soil-C} (mg/kg)	Noncancer Hazard	Cancer Risk	RBC _{soil-NC} (mg/kg)	RBC _{soil-C} (mg/kg)	Noncancer Hazard	Cancer Risk	RBC _{soil-NC} (mg/kg)	RBC _{soil-C} (mg/kg)	Noncancer Hazard	Cancer Risk
A13	1	A13-1'	5/5/2016	7440-50-8	Copper, Cu	36.2	64.4	Yes	3.1E+03	--	Bkgd	Bkgd	4.7E+04	--	Bkgd	Bkgd	1.4E+04	--	Bkgd	Bkgd
A13	1	A13-1'	5/5/2016	7440-66-6	Zinc, Zn	77.5	359	Yes	2.3E+04	--	Bkgd	Bkgd	3.5E+05	--	Bkgd	Bkgd	1.1E+05	--	Bkgd	Bkgd
A13	5	A13-5'	5/5/2016	7439-92-1	Lead, Pb	4.1	11.9	Yes	8.0E+01	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd
A13	5	A13-5'	5/5/2016	7440-47-3	Chromium, Cr	35.4	35.7	Yes	3.6E+04	--	Bkgd	Bkgd	1.7E+05	--	Bkgd	Bkgd	4.3E+04	--	Bkgd	Bkgd
A13	5	A13-5'	5/5/2016	7440-50-8	Copper, Cu	41.8	64.4	Yes	3.1E+03	--	Bkgd	Bkgd	4.7E+04	--	Bkgd	Bkgd	1.4E+04	--	Bkgd	Bkgd
A13	5	A13-5'	5/5/2016	7440-66-6	Zinc, Zn	81.8	359	Yes	2.3E+04	--	Bkgd	Bkgd	3.5E+05	--	Bkgd	Bkgd	1.1E+05	--	Bkgd	Bkgd
A13	11	A13-11'	5/5/2016	7439-92-1	Lead, Pb	3.2	11.9	Yes	8.0E+01	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd
A13	11	A13-11'	5/5/2016	7440-47-3	Chromium, Cr	31.8	35.7	Yes	3.6E+04	--	Bkgd	Bkgd	1.7E+05	--	Bkgd	Bkgd	4.3E+04	--	Bkgd	Bkgd
A13	11	A13-11'	5/5/2016	7440-50-8	Copper, Cu	33.6	64.4	Yes	3.1E+03	--	Bkgd	Bkgd	4.7E+04	--	Bkgd	Bkgd	1.4E+04	--	Bkgd	Bkgd
A13	11	A13-11'	5/5/2016	7440-66-6	Zinc, Zn	76.7	359	Yes	2.3E+04	--	Bkgd	Bkgd	3.5E+05	--	Bkgd	Bkgd	1.1E+05	--	Bkgd	Bkgd
A2	1	A2-1'	5/4/2016	127-18-4	Tetrachloroethylene	0.0082	--	--	1.8E+02	9.5E-01	4.6E-05	8.6E-09	1.0E+03	4.3E+01	8.1E-06	1.9E-09	1.5E+02	2.4E+02	5.5E-05	3.3E-10
A2	1	A2-1'	5/4/2016	7439-92-1	Lead, Pb	3.2	11.9	Yes	8.0E+01	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd
A2	1	A2-1'	5/4/2016	7440-47-3	Chromium, Cr	28.5	35.7	Yes	3.6E+04	--	Bkgd	Bkgd	1.7E+05	--	Bkgd	Bkgd	4.3E+04	--	Bkgd	Bkgd
A2	1	A2-1'	5/4/2016	7440-50-8	Copper, Cu	33.8	64.4	Yes	3.1E+03	--	Bkgd	Bkgd	4.7E+04	--	Bkgd	Bkgd	1.4E+04	--	Bkgd	Bkgd
A2	1	A2-1'	5/4/2016	7440-66-6	Zinc, Zn	66.7	359	Yes	2.3E+04	--	Bkgd	Bkgd	3.5E+05	--	Bkgd	Bkgd	1.1E+05	--	Bkgd	Bkgd
A2	4.5	A2-4.5'	5/4/2016	127-18-4	Tetrachloroethylene	0.0021	--	--	1.8E+02	9.5E-01	1.2E-05	2.2E-09	1.0E+03	4.3E+01	2.1E-06	4.8E-10	1.5E+02	2.4E+02	1.4E-05	8.6E-11
A2	4.5	A2-4.5'	5/4/2016	7439-92-1	Lead, Pb	3.1	11.9	Yes	8.0E+01	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd
A2	4.5	A2-4.5'	5/4/2016	7440-47-3	Chromium, Cr	31.8	35.7	Yes	3.6E+04	--	Bkgd	Bkgd	1.7E+05	--	Bkgd	Bkgd	4.3E+04	--	Bkgd	Bkgd
A2	4.5	A2-4.5'	5/4/2016	7440-50-8	Copper, Cu	30.4	64.4	Yes	3.1E+03	--	Bkgd	Bkgd	4.7E+04	--	Bkgd	Bkgd	1.4E+04	--	Bkgd	Bkgd
A2	4.5	A2-4.5'	5/4/2016	7440-66-6	Zinc, Zn	62.5	359	Yes	2.3E+04	--	Bkgd	Bkgd	3.5E+05	--	Bkgd	Bkgd	1.1E+05	--	Bkgd	Bkgd
A2	8.5	A2-8.5'	5/4/2016	7439-92-1	Lead, Pb	0.6	11.9	Yes	8.0E+01	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd
A2	8.5	A2-8.5'	5/4/2016	7440-47-3	Chromium, Cr	18.3	35.7	Yes	3.6E+04	--	Bkgd	Bkgd	1.7E+05	--	Bkgd	Bkgd	4.3E+04	--	Bkgd	Bkgd
A2	8.5	A2-8.5'	5/4/2016	7440-50-8	Copper, Cu	16.4	64.4	Yes	3.1E+03	--	Bkgd	Bkgd	4.7E+04	--	Bkgd	Bkgd	1.4E+04	--	Bkgd	Bkgd
A2	8.5	A2-8.5'	5/4/2016	7440-66-6	Zinc, Zn	38.8	359	Yes	2.3E+04	--	Bkgd	Bkgd	3.5E+05	--	Bkgd	Bkgd	1.1E+05	--	Bkgd	Bkgd
A3	1	A3-1'	5/4/2016	127-18-4	Tetrachloroethylene	0.0089	--	--	1.8E+02	9.5E-01	5.0E-05	9.4E-09	1.0E+03	4.3E+01	8.8E-06	2.0E-09	1.5E+02	2.4E+02	6.0E-05	3.6E-10
A3	1	A3-1'	5/4/2016	7439-92-1	Lead, Pb	26.1	11.9	No	8.0E+01	--	--	--	3.2E+02	--	--	--	3.2E+02	--	--	--
A3	1	A3-1'	5/4/2016	7440-47-3	Chromium, Cr	10.3	35.7	Yes	3.6E+04	--	Bkgd	Bkgd	1.7E+05	--	Bkgd	Bkgd	4.3E+04	--	Bkgd	Bkgd
A3	1	A3-1'	5/4/2016	7440-50-8	Copper, Cu	1980	64.4	No	3.1E+03	--	6.3E-01	--	4.7E+04	--	4.2E-02	--	1.4E+04	--	1.4E-01	--
A3	1	A3-1'	5/4/2016	7440-66-6	Zinc, Zn	114	359	Yes	2.3E+04	--	Bkgd	Bkgd	3.5E+05	--	Bkgd	Bkgd	1.1E+05	--	Bkgd	Bkgd
A3	4.5	A3-4.5'	5/4/2016	127-18-4	Tetrachloroethylene	0.0105	--	--	1.8E+02	9.5E-01	5.9E-05	1.1E-08	1.0E+03	4.3E+01	1.0E-05	2.4E-09	1.5E+02	2.4E+02	7.0E-05	4.3E-10
A3	4.5	A3-4.5'	5/4/2016	7439-92-1	Lead, Pb	3.4	11.9	Yes	8.0E+01	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd
A3	4.5	A3-4.5'	5/4/2016	7440-47-3	Chromium, Cr	32.9	35.7	Yes	3.6E+04	--	Bkgd	Bkgd	1.7E+05	--	Bkgd	Bkgd	4.3E+04	--	Bkgd	Bkgd
A3	4.5	A3-4.5'	5/4/2016	7440-50-8	Copper, Cu	48.8	64.4	Yes	3.1E+03	--	Bkgd	Bkgd	4.7E+04	--	Bkgd	Bkgd	1.4E+04	--	Bkgd	Bkgd
A3	4.5	A3-4.5'	5/4/2016	7440-66-6	Zinc, Zn	72.5	359	Yes	2.3E+04	--	Bkgd	Bkgd	3.5E+05	--	Bkgd	Bkgd	1.1E+05	--	Bkgd	Bkgd
A3	8.5	A3-8.5'/A3-8.5D	5/4/2016	127-18-4	Tetrachloroethylene	0.0114	--	--	1.8E+02	9.5E-01	6.4E-05	1.2E-08	1.0E+03	4.3E+01	1.1E-05	2.6E-09	1.5E+02	2.4E+02	7.6E-05	4.7E-10
A3	8.5	A3-8.5'/A3-8.5D	5/4/2016	7439-92-1	Lead, Pb	2.8	11.9	Yes	8.0E+01	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd
A3	8.5	A3-8.5'/A3-8.5D	5/4/2016	7440-47-3	Chromium, Cr	33.3	35.7	Yes	3.6E+04	--	Bkgd	Bkgd	1.7E+05	--	Bkgd	Bkgd	4.3E+04	--	Bkgd	Bkgd
A3	8.5	A3-8.5'/A3-8.5D	5/4/2016	7440-50-8	Copper, Cu	37.9	64.4	Yes	3.1E+03	--	Bkgd	Bkgd	4.7E+04	--	Bkgd	Bkgd	1.4E+04	--	Bkgd	Bkgd
A3	8.5	A3-8.5'/A3-8.5D	5/4/2016	7440-66-6	Zinc, Zn	76.8	359	Yes	2.3E+04	--	Bkgd	Bkgd	3.5E+05	--	Bkgd	Bkgd	1.1E+05	--	Bkgd	Bkgd
A4	1	A4-1'	5/4/2016	127-18-4	Tetrachloroethylene	2.54	--	--	1.8E+02	9.5E-01	1.4E-02	2.7E-06	1.0E+03	4.3E+01	2.5E-03	5.8E-07	1.5E+02	2.4E+02	1.7E-02	1.0E-07
A4	1	A4-1'	5/4/2016	7439-92-1	Lead, Pb	14.8	11.9	No	8.0E+01	--	--	--	3.2E+02	--	--	--	3.2E+02	--	--	--
A4	1	A4-1'	5/4/2016	7440-47-3	Chromium, Cr	5.2	35.7	Yes	3.6E+04	--	Bkgd	Bkgd	1.7E+05	--	Bkgd	Bkgd	4.3E+04	--	Bkgd	Bkgd
A4	1	A4-1'	5/4/2016	7440-50-8	Copper, Cu	509	64.4	No	3.1E+03	--	1.6E-01	--	4.7E+04	--	1.1E-02	--	1.4E+04	--	3.6E-02	--

Location ID	Depth (ft bgs)	Sample ID	Sample Date	CAS Number	Analyte	Soil Concentration (mg/kg)	Bkgd (mg/kg)	Within Bkgd?	Future Resident				Future Commercial Worker				Future Construction Worker			
									RBC _{soil-NC} (mg/kg)	RBC _{soil-C} (mg/kg)	Noncancer Hazard	Cancer Risk	RBC _{soil-NC} (mg/kg)	RBC _{soil-C} (mg/kg)	Noncancer Hazard	Cancer Risk	RBC _{soil-NC} (mg/kg)	RBC _{soil-C} (mg/kg)	Noncancer Hazard	Cancer Risk
A4	1	A4-1'	5/4/2016	7440-66-6	Zinc, Zn	108	359	Yes	2.3E+04	--	Bkgd	Bkgd	3.5E+05	--	Bkgd	Bkgd	1.1E+05	--	Bkgd	Bkgd
A4	1	A4-1'	5/4/2016	79-01-6	Trichloroethylene	0.0115	--	--	1.1E+01	2.5E+00	1.0E-03	4.5E-09	5.8E+01	1.7E+02	2.0E-04	6.8E-10	8.4E+00	6.6E+02	1.4E-03	1.7E-10
A4	4.5	A4-4.5'	5/4/2016	127-18-4	Tetrachloroethylene	0.0469	--	--	1.8E+02	9.5E-01	2.6E-04	4.9E-08	1.0E+03	4.3E+01	4.7E-05	1.1E-08	1.5E+02	2.4E+02	3.1E-04	1.9E-09
A4	4.5	A4-4.5'	5/4/2016	7439-92-1	Lead, Pb	0.8	11.9	Yes	8.0E+01	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd
A4	4.5	A4-4.5'	5/4/2016	7440-47-3	Chromium, Cr	16.4	35.7	Yes	3.6E+04	--	Bkgd	Bkgd	1.7E+05	--	Bkgd	Bkgd	4.3E+04	--	Bkgd	Bkgd
A4	4.5	A4-4.5'	5/4/2016	7440-50-8	Copper, Cu	20.3	64.4	Yes	3.1E+03	--	Bkgd	Bkgd	4.7E+04	--	Bkgd	Bkgd	1.4E+04	--	Bkgd	Bkgd
A4	4.5	A4-4.5'	5/4/2016	7440-66-6	Zinc, Zn	39.7	359	Yes	2.3E+04	--	Bkgd	Bkgd	3.5E+05	--	Bkgd	Bkgd	1.1E+05	--	Bkgd	Bkgd
A4	8.5	A4-8.5'	5/4/2016	127-18-4	Tetrachloroethylene	0.118	--	--	1.8E+02	9.5E-01	6.6E-04	1.2E-07	1.0E+03	4.3E+01	1.2E-04	2.7E-08	1.5E+02	2.4E+02	7.9E-04	4.8E-09
A4	8.5	A4-8.5'	5/4/2016	7439-92-1	Lead, Pb	0.8	11.9	Yes	8.0E+01	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd
A4	8.5	A4-8.5'	5/4/2016	7440-47-3	Chromium, Cr	13.9	35.7	Yes	3.6E+04	--	Bkgd	Bkgd	1.7E+05	--	Bkgd	Bkgd	4.3E+04	--	Bkgd	Bkgd
A4	8.5	A4-8.5'	5/4/2016	7440-50-8	Copper, Cu	16.1	64.4	Yes	3.1E+03	--	Bkgd	Bkgd	4.7E+04	--	Bkgd	Bkgd	1.4E+04	--	Bkgd	Bkgd
A4	8.5	A4-8.5'	5/4/2016	7440-66-6	Zinc, Zn	307	359	Yes	2.3E+04	--	Bkgd	Bkgd	3.5E+05	--	Bkgd	Bkgd	1.1E+05	--	Bkgd	Bkgd
A4	8.5	A4-8.5'	5/4/2016	79-01-6	Trichloroethylene	0.0027	--	--	1.1E+01	2.5E+00	2.4E-04	1.1E-09	5.8E+01	1.7E+02	4.7E-05	1.6E-10	8.4E+00	6.6E+02	3.2E-04	4.1E-11
A5	1.25	A5-1.25'	5/4/2016	127-18-4	Tetrachloroethylene	0.81	--	--	1.8E+02	9.5E-01	4.6E-03	8.5E-07	1.0E+03	4.3E+01	8.0E-04	1.9E-07	1.5E+02	2.4E+02	5.4E-03	3.3E-08
A5	1.25	A5-1.25'	5/4/2016	7439-92-1	Lead, Pb	2.8	11.9	Yes	8.0E+01	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd
A5	1.25	A5-1.25'	5/4/2016	7440-47-3	Chromium, Cr	29	35.7	Yes	3.6E+04	--	Bkgd	Bkgd	1.7E+05	--	Bkgd	Bkgd	4.3E+04	--	Bkgd	Bkgd
A5	1.25	A5-1.25'	5/4/2016	7440-50-8	Copper, Cu	30.8	64.4	Yes	3.1E+03	--	Bkgd	Bkgd	4.7E+04	--	Bkgd	Bkgd	1.4E+04	--	Bkgd	Bkgd
A5	1.25	A5-1.25'	5/4/2016	7440-66-6	Zinc, Zn	68.5	359	Yes	2.3E+04	--	Bkgd	Bkgd	3.5E+05	--	Bkgd	Bkgd	1.1E+05	--	Bkgd	Bkgd
A5	1.25	A5-1.25'	5/4/2016	79-01-6	Trichloroethylene	0.0028	--	--	1.1E+01	2.5E+00	2.5E-04	1.1E-09	5.8E+01	1.7E+02	4.8E-05	1.7E-10	8.4E+00	6.6E+02	3.3E-04	4.3E-11
A5	4.5	A5-4.5'	5/4/2016	127-18-4	Tetrachloroethylene	0.0322	--	--	1.8E+02	9.5E-01	1.8E-04	3.4E-08	1.0E+03	4.3E+01	3.2E-05	7.4E-09	1.5E+02	2.4E+02	2.2E-04	1.3E-09
A5	4.5	A5-4.5'	5/4/2016	7439-92-1	Lead, Pb	1.5	11.9	Yes	8.0E+01	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd
A5	4.5	A5-4.5'	5/4/2016	7440-47-3	Chromium, Cr	21.3	35.7	Yes	3.6E+04	--	Bkgd	Bkgd	1.7E+05	--	Bkgd	Bkgd	4.3E+04	--	Bkgd	Bkgd
A5	4.5	A5-4.5'	5/4/2016	7440-50-8	Copper, Cu	19.5	64.4	Yes	3.1E+03	--	Bkgd	Bkgd	4.7E+04	--	Bkgd	Bkgd	1.4E+04	--	Bkgd	Bkgd
A5	4.5	A5-4.5'	5/4/2016	7440-66-6	Zinc, Zn	47.8	359	Yes	2.3E+04	--	Bkgd	Bkgd	3.5E+05	--	Bkgd	Bkgd	1.1E+05	--	Bkgd	Bkgd
A5B	1	A5B-1'	5/4/2016	127-18-4	Tetrachloroethylene	0.253	--	--	1.8E+02	9.5E-01	1.4E-03	2.7E-07	1.0E+03	4.3E+01	2.5E-04	5.8E-08	1.5E+02	2.4E+02	1.7E-03	1.0E-08
A5B	1	A5B-1'	5/4/2016	7439-92-1	Lead, Pb	74.9	11.9	No	8.0E+01	--	--	--	3.2E+02	--	--	--	3.2E+02	--	--	--
A5B	1	A5B-1'	5/4/2016	7440-43-9	Cadmium, Cd	1.2	0.8	No	5.2E+00	1.8E+05	2.3E-01	6.7E-12	7.3E+00	7.8E+06	1.7E-01	1.5E-12	2.2E+00	7.1E+03	5.5E-01	1.7E-09
A5B	1	A5B-1'	5/4/2016	7440-47-3	Chromium, Cr	14.3	35.7	Yes	3.6E+04	--	Bkgd	Bkgd	1.7E+05	--	Bkgd	Bkgd	4.3E+04	--	Bkgd	Bkgd
A5B	1	A5B-1'	5/4/2016	7440-50-8	Copper, Cu	124	64.4	No	3.1E+03	--	4.0E-02	--	4.7E+04	--	2.7E-03	--	1.4E+04	--	8.8E-03	--
A5B	1	A5B-1'	5/4/2016	7440-66-6	Zinc, Zn	6040	359	No	2.3E+04	--	2.6E-01	--	3.5E+05	--	1.7E-02	--	1.1E+05	--	5.7E-02	--
A5B	4.5	A5B-4.5'	5/4/2016	127-18-4	Tetrachloroethylene	0.0398	--	--	1.8E+02	9.5E-01	2.2E-04	4.2E-08	1.0E+03	4.3E+01	3.9E-05	9.2E-09	1.5E+02	2.4E+02	2.7E-04	1.6E-09
A5B	4.5	A5B-4.5'	5/4/2016	7439-92-1	Lead, Pb	1.4	11.9	Yes	8.0E+01	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd
A5B	4.5	A5B-4.5'	5/4/2016	7440-47-3	Chromium, Cr	18.3	35.7	Yes	3.6E+04	--	Bkgd	Bkgd	1.7E+05	--	Bkgd	Bkgd	4.3E+04	--	Bkgd	Bkgd
A5B	4.5	A5B-4.5'	5/4/2016	7440-50-8	Copper, Cu	18.5	64.4	Yes	3.1E+03	--	Bkgd	Bkgd	4.7E+04	--	Bkgd	Bkgd	1.4E+04	--	Bkgd	Bkgd
A5B	4.5	A5B-4.5'	5/4/2016	7440-66-6	Zinc, Zn	55.9	359	Yes	2.3E+04	--	Bkgd	Bkgd	3.5E+05	--	Bkgd	Bkgd	1.1E+05	--	Bkgd	Bkgd
A5B	8.5	A5B-8.5'	5/4/2016	127-18-4	Tetrachloroethylene	0.016	--	--	1.8E+02	9.5E-01	9.0E-05	1.7E-08	1.0E+03	4.3E+01	1.6E-05	3.7E-09	1.5E+02	2.4E+02	1.1E-04	6.5E-10
A5B	8.5	A5B-8.5'	5/4/2016	7439-92-1	Lead, Pb	1.6	11.9	Yes	8.0E+01	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd
A5B	8.5	A5B-8.5'	5/4/2016	7440-47-3	Chromium, Cr	24.9	35.7	Yes	3.6E+04	--	Bkgd	Bkgd	1.7E+05	--	Bkgd	Bkgd	4.3E+04	--	Bkgd	Bkgd
A5B	8.5	A5B-8.5'	5/4/2016	7440-50-8	Copper, Cu	21.8	64.4	Yes	3.1E+03	--	Bkgd	Bkgd	4.7E+04	--	Bkgd	Bkgd	1.4E+04	--	Bkgd	Bkgd
A5B	8.5	A5B-8.5'	5/4/2016	7440-66-6	Zinc, Zn	53.1	359	Yes	2.3E+04	--	Bkgd	Bkgd	3.5E+05	--	Bkgd	Bkgd	1.1E+05	--	Bkgd	Bkgd
A6	1	A6-1'	5/5/2016	7439-92-1	Lead, Pb	1.5	11.9	Yes	8.0E+01	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd
A6	1	A6-1'	5/5/2016	7440-47-3	Chromium, Cr	22.5	35.7	Yes	3.6E+04	--	Bkgd	Bkgd	1.7E+05	--	Bkgd	Bkgd	4.3E+04	--	Bkgd	Bkgd
A6	1	A6-1'	5/5/2016	7440-50-8	Copper, Cu	11.9	64.4	Yes	3.1E+03	--	Bkgd	Bkgd	4.7E+04	--	Bkgd	Bkgd	1.4E+04	--	Bkgd	Bkgd

Location ID	Depth (ft bgs)	Sample ID	Sample Date	CAS Number	Analyte	Soil Concentration (mg/kg)	Bkgd (mg/kg)	Within Bkgd?	Future Resident				Future Commercial Worker				Future Construction Worker			
									RBC _{soil-NC} (mg/kg)	RBC _{soil-C} (mg/kg)	Noncancer Hazard	Cancer Risk	RBC _{soil-NC} (mg/kg)	RBC _{soil-C} (mg/kg)	Noncancer Hazard	Cancer Risk	RBC _{soil-NC} (mg/kg)	RBC _{soil-C} (mg/kg)	Noncancer Hazard	Cancer Risk
A6	1	A6-1'	5/5/2016	7440-66-6	Zinc, Zn	28.5	359	Yes	2.3E+04	--	Bkgd	Bkgd	3.5E+05	--	Bkgd	Bkgd	1.1E+05	--	Bkgd	Bkgd
A6	4.5	A6-4.5'	5/5/2016	127-18-4	Tetrachloroethylene	0.0137	--	--	1.8E+02	9.5E-01	7.7E-05	1.4E-08	1.0E+03	4.3E+01	1.4E-05	3.1E-09	1.5E+02	2.4E+02	9.2E-05	5.6E-10
A6	4.5	A6-4.5'	5/5/2016	18540-29-9	Chromium, Hexavalent	1.1	--	--	2.3E+02	3.1E-01	4.7E-03	3.6E-06	3.5E+03	6.5E+01	3.1E-04	1.7E-07	6.7E+02	7.3E+01	1.6E-03	1.5E-07
A6	4.5	A6-4.5'	5/5/2016	7439-92-1	Lead, Pb	74.5	11.9	No	8.0E+01	--	--	--	3.2E+02	--	--	--	3.2E+02	--	--	--
A6	4.5	A6-4.5'	5/5/2016	7440-43-9	Cadmium, Cd	1.2	0.8	No	5.2E+00	1.8E+05	2.3E-01	6.7E-12	7.3E+00	7.8E+06	1.7E-01	1.5E-12	2.2E+00	7.1E+03	5.5E-01	1.7E-09
A6	4.5	A6-4.5'	5/5/2016	7440-47-3	Chromium, Cr	157	35.7	No	3.6E+04	--	4.3E-03	--	1.7E+05	--	9.2E-04	--	4.3E+04	--	3.6E-03	--
A6	4.5	A6-4.5'	5/5/2016	7440-50-8	Copper, Cu	39	64.4	Yes	3.1E+03	--	Bkgd	Bkgd	4.7E+04	--	Bkgd	Bkgd	1.4E+04	--	Bkgd	Bkgd
A6	4.5	A6-4.5'	5/5/2016	7440-66-6	Zinc, Zn	6260	359	No	2.3E+04	--	2.7E-01	--	3.5E+05	--	1.8E-02	--	1.1E+05	--	5.9E-02	--
A6	8.5	A6-8.5	5/5/2016	18540-29-9	Chromium, Hexavalent	2.8	--	--	2.3E+02	3.1E-01	1.2E-02	9.1E-06	3.5E+03	6.5E+01	8.0E-04	4.3E-07	6.7E+02	7.3E+01	4.2E-03	3.9E-07
A6	8.5	A6-8.5'	5/5/2016	127-18-4	Tetrachloroethylene	0.002	--	--	1.8E+02	9.5E-01	1.1E-05	2.1E-09	1.0E+03	4.3E+01	2.0E-06	4.6E-10	1.5E+02	2.4E+02	1.3E-05	8.2E-11
A6	8.5	A6-8.5'	5/5/2016	7439-92-1	Lead, Pb	59.5	11.9	No	8.0E+01	--	--	--	3.2E+02	--	--	--	3.2E+02	--	--	--
A6	8.5	A6-8.5'	5/5/2016	7440-47-3	Chromium, Cr	73.4	35.7	No	3.6E+04	--	2.0E-03	--	1.7E+05	--	4.3E-04	--	4.3E+04	--	1.7E-03	--
A6	8.5	A6-8.5'	5/5/2016	7440-50-8	Copper, Cu	100	64.4	No	3.1E+03	--	3.2E-02	--	4.7E+04	--	2.1E-03	--	1.4E+04	--	7.1E-03	--
A6	8.5	A6-8.5'	5/5/2016	7440-66-6	Zinc, Zn	3240	359	No	2.3E+04	--	1.4E-01	--	3.5E+05	--	9.2E-03	--	1.1E+05	--	3.1E-02	--
A7	1	A7-1'	5/5/2016	127-18-4	Tetrachloroethylene	0.0221	--	--	1.8E+02	9.5E-01	1.2E-04	2.3E-08	1.0E+03	4.3E+01	2.2E-05	5.1E-09	1.5E+02	2.4E+02	1.5E-04	9.0E-10
A7	1	A7-1'	5/5/2016	7439-92-1	Lead, Pb	15.9	11.9	No	8.0E+01	--	--	--	3.2E+02	--	--	--	3.2E+02	--	--	--
A7	1	A7-1'	5/5/2016	7440-47-3	Chromium, Cr	25.8	35.7	Yes	3.6E+04	--	Bkgd	Bkgd	1.7E+05	--	Bkgd	Bkgd	4.3E+04	--	Bkgd	Bkgd
A7	1	A7-1'	5/5/2016	7440-50-8	Copper, Cu	35.2	64.4	Yes	3.1E+03	--	Bkgd	Bkgd	4.7E+04	--	Bkgd	Bkgd	1.4E+04	--	Bkgd	Bkgd
A7	1	A7-1'	5/5/2016	7440-66-6	Zinc, Zn	154	359	Yes	2.3E+04	--	Bkgd	Bkgd	3.5E+05	--	Bkgd	Bkgd	1.1E+05	--	Bkgd	Bkgd
A7	1	A7-1'	5/5/2016	79-01-6	Trichloroethylene	0.0647	--	--	1.1E+01	2.5E+00	5.8E-03	2.5E-08	5.8E+01	1.7E+02	1.1E-03	3.9E-09	8.4E+00	6.6E+02	7.7E-03	9.8E-10
A7	3.5	A7-3.5'	5/5/2016	127-18-4	Tetrachloroethylene	2.47	--	--	1.8E+02	9.5E-01	1.4E-02	2.6E-06	1.0E+03	4.3E+01	2.5E-03	5.7E-07	1.5E+02	2.4E+02	1.7E-02	1.0E-07
A7	3.5	A7-3.5'	5/5/2016	7439-92-1	Lead, Pb	1110	11.9	No	8.0E+01	--	> Cal-EPA SL	--	3.2E+02	--	> Cal-EPA SL	--	3.2E+02	--	> Cal-EPA SL	--
A7	3.5	A7-3.5'	5/5/2016	7440-43-9	Cadmium, Cd	6.1	0.8	No	5.2E+00	1.8E+05	1.2E+00	3.4E-11	7.3E+00	7.8E+06	8.4E-01	7.8E-12	2.2E+00	7.1E+03	2.8E+00	8.6E-09
A7	3.5	A7-3.5'	5/5/2016	7440-47-3	Chromium, Cr	7.9	35.7	Yes	3.6E+04	--	Bkgd	Bkgd	1.7E+05	--	Bkgd	Bkgd	4.3E+04	--	Bkgd	Bkgd
A7	3.5	A7-3.5'	5/5/2016	7440-50-8	Copper, Cu	6740	64.4	No	3.1E+03	--	2.2E+00	--	4.7E+04	--	1.4E-01	--	1.4E+04	--	4.8E-01	--
A7	3.5	A7-3.5'	5/5/2016	7440-66-6	Zinc, Zn	6920	359	No	2.3E+04	--	2.9E-01	--	3.5E+05	--	2.0E-02	--	1.1E+05	--	6.5E-02	--
A7	3.5	A7-3.5'	5/5/2016	79-01-6	Trichloroethylene	4.8	--	--	1.1E+01	2.5E+00	4.3E-01	1.9E-06	5.8E+01	1.7E+02	8.3E-02	2.9E-07	8.4E+00	6.6E+02	5.7E-01	7.3E-08
A7	8.5	A7-8.5'	5/5/2016	127-18-4	Tetrachloroethylene	0.0014	--	--	1.8E+02	9.5E-01	7.9E-06	1.5E-09	1.0E+03	4.3E+01	1.4E-06	3.2E-10	1.5E+02	2.4E+02	9.4E-06	5.7E-11
A7	8.5	A7-8.5'	5/5/2016	7439-92-1	Lead, Pb	99.5	11.9	No	8.0E+01	--	> Cal-EPA SL	--	3.2E+02	--	--	--	3.2E+02	--	--	--
A7	8.5	A7-8.5'	5/5/2016	7440-47-3	Chromium, Cr	34.3	35.7	Yes	3.6E+04	--	Bkgd	Bkgd	1.7E+05	--	Bkgd	Bkgd	4.3E+04	--	Bkgd	Bkgd
A7	8.5	A7-8.5'	5/5/2016	7440-50-8	Copper, Cu	609	64.4	No	3.1E+03	--	1.9E-01	--	4.7E+04	--	1.3E-02	--	1.4E+04	--	4.3E-02	--
A7	8.5	A7-8.5'	5/5/2016	7440-66-6	Zinc, Zn	359	359	No	2.3E+04	--	1.5E-02	--	3.5E+05	--	1.0E-03	--	1.1E+05	--	3.4E-03	--
A7	8.5	A7-8.5'	5/5/2016	79-01-6	Trichloroethylene	0.0026	--	--	1.1E+01	2.5E+00	2.3E-04	1.0E-09	5.8E+01	1.7E+02	4.5E-05	1.5E-10	8.4E+00	6.6E+02	3.1E-04	4.0E-11
A8	1	A8-1'	5/5/2016	127-18-4	Tetrachloroethylene	0.0219	--	--	1.8E+02	9.5E-01	1.2E-04	2.3E-08	1.0E+03	4.3E+01	2.2E-05	5.0E-09	1.5E+02	2.4E+02	1.5E-04	8.9E-10
A8	1	A8-1'	5/5/2016	7439-92-1	Lead, Pb	4.1	11.9	Yes	8.0E+01	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd
A8	1	A8-1'	5/5/2016	7440-47-3	Chromium, Cr	18.5	35.7	Yes	3.6E+04	--	Bkgd	Bkgd	1.7E+05	--	Bkgd	Bkgd	4.3E+04	--	Bkgd	Bkgd
A8	1	A8-1'	5/5/2016	7440-50-8	Copper, Cu	25.1	64.4	Yes	3.1E+03	--	Bkgd	Bkgd	4.7E+04	--	Bkgd	Bkgd	1.4E+04	--	Bkgd	Bkgd
A8	1	A8-1'	5/5/2016	7440-66-6	Zinc, Zn	62.2	359	Yes	2.3E+04	--	Bkgd	Bkgd	3.5E+05	--	Bkgd	Bkgd	1.1E+05	--	Bkgd	Bkgd
A8	1	A8-1'	5/5/2016	79-01-6	Trichloroethylene	0.0021	--	--	1.1E+01	2.5E+00	1.9E-04	8.2E-10	5.8E+01	1.7E+02	3.6E-05	1.2E-10	8.4E+00	6.6E+02	2.5E-04	3.2E-11
A8	4.5	A8-4.5'	5/5/2016	127-18-4	Tetrachloroethylene	0.0114	--	--	1.8E+02	9.5E-01	6.4E-05	1.2E-08	1.0E+03	4.3E+01	1.1E-05	2.6E-09	1.5E+02	2.4E+02	7.6E-05	4.7E-10
A8	4.5	A8-4.5'	5/5/2016	7439-92-1	Lead, Pb	4.2	11.9	Yes	8.0E+01	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd
A8	4.5	A8-4.5'	5/5/2016	7440-47-3	Chromium, Cr	34.5	35.7	Yes	3.6E+04	--	Bkgd	Bkgd	1.7E+05	--	Bkgd	Bkgd	4.3E+04	--	Bkgd	Bkgd
A8	4.5	A8-4.5'	5/5/2016	7440-50-8	Copper, Cu	42.6	64.4	Yes	3.1E+03	--	Bkgd	Bkgd	4.7E+04	--	Bkgd	Bkgd	1.4E+04	--	Bkgd	Bkgd

Location ID	Depth (ft bgs)	Sample ID	Sample Date	CAS Number	Analyte	Soil Concentration (mg/kg)	Bkgd (mg/kg)	Within Bkgd?	Future Resident				Future Commercial Worker				Future Construction Worker			
									RBC _{soil-NC} (mg/kg)	RBC _{soil-C} (mg/kg)	Noncancer Hazard	Cancer Risk	RBC _{soil-NC} (mg/kg)	RBC _{soil-C} (mg/kg)	Noncancer Hazard	Cancer Risk	RBC _{soil-NC} (mg/kg)	RBC _{soil-C} (mg/kg)	Noncancer Hazard	Cancer Risk
A8	4.5	A8-4.5'	5/5/2016	7440-66-6	Zinc, Zn	46.8	359	Yes	2.3E+04	--	Bkgd	Bkgd	3.5E+05	--	Bkgd	Bkgd	1.1E+05	--	Bkgd	Bkgd
A8	8.5	A8-8.5'	5/5/2016	127-18-4	Tetrachloroethylene	0.0015	--	--	1.8E+02	9.5E-01	8.4E-06	1.6E-09	1.0E+03	4.3E+01	1.5E-06	3.4E-10	1.5E+02	2.4E+02	1.0E-05	6.1E-11
A8	8.5	A8-8.5'	5/5/2016	7439-92-1	Lead, Pb	1.4	11.9	Yes	8.0E+01	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd
A8	8.5	A8-8.5'	5/5/2016	7440-47-3	Chromium, Cr	21.5	35.7	Yes	3.6E+04	--	Bkgd	Bkgd	1.7E+05	--	Bkgd	Bkgd	4.3E+04	--	Bkgd	Bkgd
A8	8.5	A8-8.5'	5/5/2016	7440-50-8	Copper, Cu	24.3	64.4	Yes	3.1E+03	--	Bkgd	Bkgd	4.7E+04	--	Bkgd	Bkgd	1.4E+04	--	Bkgd	Bkgd
A8	8.5	A8-8.5'	5/5/2016	7440-66-6	Zinc, Zn	45.6	359	Yes	2.3E+04	--	Bkgd	Bkgd	3.5E+05	--	Bkgd	Bkgd	1.1E+05	--	Bkgd	Bkgd
A9	1	A9-1'	5/5/2016	127-18-4	Tetrachloroethylene	0.0043	--	--	1.8E+02	9.5E-01	2.4E-05	4.5E-09	1.0E+03	4.3E+01	4.3E-06	9.9E-10	1.5E+02	2.4E+02	2.9E-05	1.8E-10
A9	1	A9-1'	5/5/2016	71-43-2	Benzene	0.003	--	--	3.4E+01	1.0E+00	8.8E-05	3.0E-09	1.5E+02	4.4E+01	2.0E-05	6.8E-10	2.1E+01	1.6E+02	1.4E-04	1.9E-10
A9	1	A9-1'	5/5/2016	7439-92-1	Lead, Pb	4	11.9	Yes	8.0E+01	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd
A9	1	A9-1'	5/5/2016	7440-47-3	Chromium, Cr	17.7	35.7	Yes	3.6E+04	--	Bkgd	Bkgd	1.7E+05	--	Bkgd	Bkgd	4.3E+04	--	Bkgd	Bkgd
A9	1	A9-1'	5/5/2016	7440-50-8	Copper, Cu	22.4	64.4	Yes	3.1E+03	--	Bkgd	Bkgd	4.7E+04	--	Bkgd	Bkgd	1.4E+04	--	Bkgd	Bkgd
A9	1	A9-1'	5/5/2016	7440-66-6	Zinc, Zn	59.6	359	Yes	2.3E+04	--	Bkgd	Bkgd	3.5E+05	--	Bkgd	Bkgd	1.1E+05	--	Bkgd	Bkgd
A9	4.5	A9-4.5'	5/5/2016	127-18-4	Tetrachloroethylene	0.0045	--	--	1.8E+02	9.5E-01	2.5E-05	4.7E-09	1.0E+03	4.3E+01	4.5E-06	1.0E-09	1.5E+02	2.4E+02	3.0E-05	1.8E-10
A9	4.5	A9-4.5'	5/5/2016	7439-92-1	Lead, Pb	3	11.9	Yes	8.0E+01	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd
A9	4.5	A9-4.5'	5/5/2016	7440-47-3	Chromium, Cr	31.1	35.7	Yes	3.6E+04	--	Bkgd	Bkgd	1.7E+05	--	Bkgd	Bkgd	4.3E+04	--	Bkgd	Bkgd
A9	4.5	A9-4.5'	5/5/2016	7440-50-8	Copper, Cu	35.5	64.4	Yes	3.1E+03	--	Bkgd	Bkgd	4.7E+04	--	Bkgd	Bkgd	1.4E+04	--	Bkgd	Bkgd
A9	4.5	A9-4.5'	5/5/2016	7440-66-6	Zinc, Zn	63.8	359	Yes	2.3E+04	--	Bkgd	Bkgd	3.5E+05	--	Bkgd	Bkgd	1.1E+05	--	Bkgd	Bkgd
A9	8.5	A9-8.5'	5/5/2016	7439-92-1	Lead, Pb	1.3	11.9	Yes	8.0E+01	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd
A9	8.5	A9-8.5'	5/5/2016	7440-47-3	Chromium, Cr	20.3	35.7	Yes	3.6E+04	--	Bkgd	Bkgd	1.7E+05	--	Bkgd	Bkgd	4.3E+04	--	Bkgd	Bkgd
A9	8.5	A9-8.5'	5/5/2016	7440-50-8	Copper, Cu	21.2	64.4	Yes	3.1E+03	--	Bkgd	Bkgd	4.7E+04	--	Bkgd	Bkgd	1.4E+04	--	Bkgd	Bkgd
A9	8.5	A9-8.5'	5/5/2016	7440-66-6	Zinc, Zn	43.4	359	Yes	2.3E+04	--	Bkgd	Bkgd	3.5E+05	--	Bkgd	Bkgd	1.1E+05	--	Bkgd	Bkgd
B1	1	B1-1'	5/4/2016	7439-92-1	Lead, Pb	6.8	11.9	Yes	8.0E+01	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd
B1	1	B1-1'	5/4/2016	7440-47-3	Chromium, Cr	21.4	35.7	Yes	3.6E+04	--	Bkgd	Bkgd	1.7E+05	--	Bkgd	Bkgd	4.3E+04	--	Bkgd	Bkgd
B1	1	B1-1'	5/4/2016	7440-50-8	Copper, Cu	27	64.4	Yes	3.1E+03	--	Bkgd	Bkgd	4.7E+04	--	Bkgd	Bkgd	1.4E+04	--	Bkgd	Bkgd
B1	1	B1-1'	5/4/2016	7440-66-6	Zinc, Zn	64.7	359	Yes	2.3E+04	--	Bkgd	Bkgd	3.5E+05	--	Bkgd	Bkgd	1.1E+05	--	Bkgd	Bkgd
B1	4.5	B1-4.5'	5/4/2016	127-18-4	Tetrachloroethylene	0.027	--	--	1.8E+02	9.5E-01	1.5E-04	2.8E-08	1.0E+03	4.3E+01	2.7E-05	6.2E-09	1.5E+02	2.4E+02	1.8E-04	1.1E-09
B1	4.5	B1-4.5'	5/4/2016	7439-92-1	Lead, Pb	5.5	11.9	Yes	8.0E+01	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd
B1	4.5	B1-4.5'	5/4/2016	7440-47-3	Chromium, Cr	20.1	35.7	Yes	3.6E+04	--	Bkgd	Bkgd	1.7E+05	--	Bkgd	Bkgd	4.3E+04	--	Bkgd	Bkgd
B1	4.5	B1-4.5'	5/4/2016	7440-50-8	Copper, Cu	22.9	64.4	Yes	3.1E+03	--	Bkgd	Bkgd	4.7E+04	--	Bkgd	Bkgd	1.4E+04	--	Bkgd	Bkgd
B1	4.5	B1-4.5'	5/4/2016	7440-66-6	Zinc, Zn	55.2	359	Yes	2.3E+04	--	Bkgd	Bkgd	3.5E+05	--	Bkgd	Bkgd	1.1E+05	--	Bkgd	Bkgd
B1	8.5	B1-8.5'	5/4/2016	127-18-4	Tetrachloroethylene	0.0021	--	--	1.8E+02	9.5E-01	1.2E-05	2.2E-09	1.0E+03	4.3E+01	2.1E-06	4.8E-10	1.5E+02	2.4E+02	1.4E-05	8.6E-11
B1	8.5	B1-8.5'	5/4/2016	7439-92-1	Lead, Pb	6.5	11.9	Yes	8.0E+01	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd
B1	8.5	B1-8.5'	5/4/2016	7440-47-3	Chromium, Cr	27.3	35.7	Yes	3.6E+04	--	Bkgd	Bkgd	1.7E+05	--	Bkgd	Bkgd	4.3E+04	--	Bkgd	Bkgd
B1	8.5	B1-8.5'	5/4/2016	7440-50-8	Copper, Cu	24.6	64.4	Yes	3.1E+03	--	Bkgd	Bkgd	4.7E+04	--	Bkgd	Bkgd	1.4E+04	--	Bkgd	Bkgd
B1	8.5	B1-8.5'	5/4/2016	7440-66-6	Zinc, Zn	63.2	359	Yes	2.3E+04	--	Bkgd	Bkgd	3.5E+05	--	Bkgd	Bkgd	1.1E+05	--	Bkgd	Bkgd
B10	1	B10-1'	5/7/2016	127-18-4	Tetrachloroethylene	0.002	--	--	1.8E+02	9.5E-01	1.1E-05	2.1E-09	1.0E+03	4.3E+01	2.0E-06	4.6E-10	1.5E+02	2.4E+02	1.3E-05	8.2E-11
B10	1	B10-1'	5/5/2016	7439-92-1	Lead, Pb	5.2	11.9	Yes	8.0E+01	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd
B10	1	B10-1'	5/5/2016	7440-47-3	Chromium, Cr	24.6	35.7	Yes	3.6E+04	--	Bkgd	Bkgd	1.7E+05	--	Bkgd	Bkgd	4.3E+04	--	Bkgd	Bkgd
B10	1	B10-1'	5/5/2016	7440-50-8	Copper, Cu	25.6	64.4	Yes	3.1E+03	--	Bkgd	Bkgd	4.7E+04	--	Bkgd	Bkgd	1.4E+04	--	Bkgd	Bkgd
B10	1	B10-1'	5/5/2016	7440-66-6	Zinc, Zn	69.3	359	Yes	2.3E+04	--	Bkgd	Bkgd	3.5E+05	--	Bkgd	Bkgd	1.1E+05	--	Bkgd	Bkgd
B10	4.5	B10-4.5'	5/5/2016	127-18-4	Tetrachloroethylene	0.0043	--	--	1.8E+02	9.5E-01	2.4E-05	4.5E-09	1.0E+03	4.3E+01	4.3E-06	9.9E-10	1.5E+02	2.4E+02	2.9E-05	1.8E-10
B10	4.5	B10-4.5'	5/5/2016	7439-92-1	Lead, Pb	3.1	11.9	Yes	8.0E+01	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd
B10	4.5	B10-4.5'	5/5/2016	7440-47-3	Chromium, Cr	29.6	35.7	Yes	3.6E+04	--	Bkgd	Bkgd	1.7E+05	--	Bkgd	Bkgd	4.3E+04	--	Bkgd	Bkgd

Location ID	Depth (ft bgs)	Sample ID	Sample Date	CAS Number	Analyte	Soil Concentration (mg/kg)	Bkgd (mg/kg)	Within Bkgd?	Future Resident				Future Commercial Worker				Future Construction Worker			
									RBC _{soil-NC} (mg/kg)	RBC _{soil-C} (mg/kg)	Noncancer Hazard	Cancer Risk	RBC _{soil-NC} (mg/kg)	RBC _{soil-C} (mg/kg)	Noncancer Hazard	Cancer Risk	RBC _{soil-NC} (mg/kg)	RBC _{soil-C} (mg/kg)	Noncancer Hazard	Cancer Risk
B10	4.5	B10-4.5'	5/5/2016	7440-50-8	Copper, Cu	36.5	64.4	Yes	3.1E+03	--	Bkgd	Bkgd	4.7E+04	--	Bkgd	Bkgd	1.4E+04	--	Bkgd	Bkgd
B10	4.5	B10-4.5'	5/5/2016	7440-66-6	Zinc, Zn	73.7	359	Yes	2.3E+04	--	Bkgd	Bkgd	3.5E+05	--	Bkgd	Bkgd	1.1E+05	--	Bkgd	Bkgd
B10	8.5	B10-8.5'	5/5/2016	127-18-4	Tetrachloroethylene	0.0028	--	--	1.8E+02	9.5E-01	1.6E-05	3.0E-09	1.0E+03	4.3E+01	2.8E-06	6.4E-10	1.5E+02	2.4E+02	1.9E-05	1.1E-10
B10	8.5	B10-8.5'	5/5/2016	7439-92-1	Lead, Pb	3.4	11.9	Yes	8.0E+01	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd
B10	8.5	B10-8.5'	5/5/2016	7440-47-3	Chromium, Cr	34.6	35.7	Yes	3.6E+04	--	Bkgd	Bkgd	1.7E+05	--	Bkgd	Bkgd	4.3E+04	--	Bkgd	Bkgd
B10	8.5	B10-8.5'	5/5/2016	7440-50-8	Copper, Cu	39.3	64.4	Yes	3.1E+03	--	Bkgd	Bkgd	4.7E+04	--	Bkgd	Bkgd	1.4E+04	--	Bkgd	Bkgd
B10	8.5	B10-8.5'	5/5/2016	7440-66-6	Zinc, Zn	77.3	359	Yes	2.3E+04	--	Bkgd	Bkgd	3.5E+05	--	Bkgd	Bkgd	1.1E+05	--	Bkgd	Bkgd
B11	1	B11-1'	5/5/2016	7439-92-1	Lead, Pb	3.3	11.9	Yes	8.0E+01	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd
B11	1	B11-1'	5/5/2016	7440-47-3	Chromium, Cr	22.3	35.7	Yes	3.6E+04	--	Bkgd	Bkgd	1.7E+05	--	Bkgd	Bkgd	4.3E+04	--	Bkgd	Bkgd
B11	1	B11-1'	5/5/2016	7440-50-8	Copper, Cu	29.4	64.4	Yes	3.1E+03	--	Bkgd	Bkgd	4.7E+04	--	Bkgd	Bkgd	1.4E+04	--	Bkgd	Bkgd
B11	1	B11-1'	5/5/2016	7440-66-6	Zinc, Zn	122	359	Yes	2.3E+04	--	Bkgd	Bkgd	3.5E+05	--	Bkgd	Bkgd	1.1E+05	--	Bkgd	Bkgd
B11	4.5	B11-4.5'	5/5/2016	127-18-4	Tetrachloroethylene	0.0073	--	--	1.8E+02	9.5E-01	4.1E-05	7.7E-09	1.0E+03	4.3E+01	7.2E-06	1.7E-09	1.5E+02	2.4E+02	4.9E-05	3.0E-10
B11	4.5	B11-4.5'	5/5/2016	7439-92-1	Lead, Pb	2.8	11.9	Yes	8.0E+01	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd
B11	4.5	B11-4.5'	5/5/2016	7440-47-3	Chromium, Cr	30.2	35.7	Yes	3.6E+04	--	Bkgd	Bkgd	1.7E+05	--	Bkgd	Bkgd	4.3E+04	--	Bkgd	Bkgd
B11	4.5	B11-4.5'	5/5/2016	7440-50-8	Copper, Cu	30.5	64.4	Yes	3.1E+03	--	Bkgd	Bkgd	4.7E+04	--	Bkgd	Bkgd	1.4E+04	--	Bkgd	Bkgd
B11	4.5	B11-4.5'	5/5/2016	7440-66-6	Zinc, Zn	77.6	359	Yes	2.3E+04	--	Bkgd	Bkgd	3.5E+05	--	Bkgd	Bkgd	1.1E+05	--	Bkgd	Bkgd
B11	8.5	B11-8.5'	5/5/2016	127-18-4	Tetrachloroethylene	0.0024	--	--	1.8E+02	9.5E-01	1.4E-05	2.5E-09	1.0E+03	4.3E+01	2.4E-06	5.5E-10	1.5E+02	2.4E+02	1.6E-05	9.8E-11
B11	8.5	B11-8.5'	5/5/2016	7439-92-1	Lead, Pb	3.1	11.9	Yes	8.0E+01	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd
B11	8.5	B11-8.5'	5/5/2016	7440-47-3	Chromium, Cr	33.9	35.7	Yes	3.6E+04	--	Bkgd	Bkgd	1.7E+05	--	Bkgd	Bkgd	4.3E+04	--	Bkgd	Bkgd
B11	8.5	B11-8.5'	5/5/2016	7440-50-8	Copper, Cu	42.7	64.4	Yes	3.1E+03	--	Bkgd	Bkgd	4.7E+04	--	Bkgd	Bkgd	1.4E+04	--	Bkgd	Bkgd
B11	8.5	B11-8.5'	5/5/2016	7440-66-6	Zinc, Zn	77	359	Yes	2.3E+04	--	Bkgd	Bkgd	3.5E+05	--	Bkgd	Bkgd	1.1E+05	--	Bkgd	Bkgd
B12	1	B12-1'	5/5/2016	127-18-4	Tetrachloroethylene	0.0228	--	--	1.8E+02	9.5E-01	1.3E-04	2.4E-08	1.0E+03	4.3E+01	2.3E-05	5.2E-09	1.5E+02	2.4E+02	1.5E-04	9.3E-10
B12	1	B12-1'	5/5/2016	7439-92-1	Lead, Pb	5.8	11.9	Yes	8.0E+01	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd
B12	1	B12-1'	5/5/2016	7440-47-3	Chromium, Cr	32.8	35.7	Yes	3.6E+04	--	Bkgd	Bkgd	1.7E+05	--	Bkgd	Bkgd	4.3E+04	--	Bkgd	Bkgd
B12	1	B12-1'	5/5/2016	7440-50-8	Copper, Cu	35.6	64.4	Yes	3.1E+03	--	Bkgd	Bkgd	4.7E+04	--	Bkgd	Bkgd	1.4E+04	--	Bkgd	Bkgd
B12	1	B12-1'	5/5/2016	7440-66-6	Zinc, Zn	86.3	359	Yes	2.3E+04	--	Bkgd	Bkgd	3.5E+05	--	Bkgd	Bkgd	1.1E+05	--	Bkgd	Bkgd
B12	1	B12-1'	5/5/2016	79-01-6	Trichloroethylene	0.0016	--	--	1.1E+01	2.5E+00	1.4E-04	6.3E-10	5.8E+01	1.7E+02	2.8E-05	9.5E-11	8.4E+00	6.6E+02	1.9E-04	2.4E-11
B12	5	B12-5'/B12-5'D	5/5/2016	127-18-4	Tetrachloroethylene	0.0028	--	--	1.8E+02	9.5E-01	1.6E-05	3.0E-09	1.0E+03	4.3E+01	2.8E-06	6.4E-10	1.5E+02	2.4E+02	1.9E-05	1.1E-10
B12	5	B12-5'/B12-5'D	5/5/2016	7439-92-1	Lead, Pb	3.4	11.9	Yes	8.0E+01	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd
B12	5	B12-5'/B12-5'D	5/5/2016	7440-47-3	Chromium, Cr	34.5	35.7	Yes	3.6E+04	--	Bkgd	Bkgd	1.7E+05	--	Bkgd	Bkgd	4.3E+04	--	Bkgd	Bkgd
B12	5	B12-5'/B12-5'D	5/5/2016	7440-50-8	Copper, Cu	37.2	64.4	Yes	3.1E+03	--	Bkgd	Bkgd	4.7E+04	--	Bkgd	Bkgd	1.4E+04	--	Bkgd	Bkgd
B12	5	B12-5'/B12-5'D	5/5/2016	7440-66-6	Zinc, Zn	79.9	359	Yes	2.3E+04	--	Bkgd	Bkgd	3.5E+05	--	Bkgd	Bkgd	1.1E+05	--	Bkgd	Bkgd
B12	11	B12-11'	5/5/2016	127-18-4	Tetrachloroethylene	0.0013	--	--	1.8E+02	9.5E-01	7.3E-06	1.4E-09	1.0E+03	4.3E+01	1.3E-06	3.0E-10	1.5E+02	2.4E+02	8.7E-06	5.3E-11
B12	11	B12-11'	5/5/2016	7439-92-1	Lead, Pb	2.7	11.9	Yes	8.0E+01	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd
B12	11	B12-11'	5/5/2016	7440-47-3	Chromium, Cr	34.2	35.7	Yes	3.6E+04	--	Bkgd	Bkgd	1.7E+05	--	Bkgd	Bkgd	4.3E+04	--	Bkgd	Bkgd
B12	11	B12-11'	5/5/2016	7440-50-8	Copper, Cu	36	64.4	Yes	3.1E+03	--	Bkgd	Bkgd	4.7E+04	--	Bkgd	Bkgd	1.4E+04	--	Bkgd	Bkgd
B12	11	B12-11'	5/5/2016	7440-66-6	Zinc, Zn	78.6	359	Yes	2.3E+04	--	Bkgd	Bkgd	3.5E+05	--	Bkgd	Bkgd	1.1E+05	--	Bkgd	Bkgd
B13	1	B13-1'	5/6/2016	7439-92-1	Lead, Pb	8.5	11.9	Yes	8.0E+01	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd
B13	1	B13-1'	5/6/2016	7440-47-3	Chromium, Cr	30.7	35.7	Yes	3.6E+04	--	Bkgd	Bkgd	1.7E+05	--	Bkgd	Bkgd	4.3E+04	--	Bkgd	Bkgd
B13	1	B13-1'	5/6/2016	7440-50-8	Copper, Cu	29.8	64.4	Yes	3.1E+03	--	Bkgd	Bkgd	4.7E+04	--	Bkgd	Bkgd	1.4E+04	--	Bkgd	Bkgd
B13	1	B13-1'	5/6/2016	7440-66-6	Zinc, Zn	83.1	359	Yes	2.3E+04	--	Bkgd	Bkgd	3.5E+05	--	Bkgd	Bkgd	1.1E+05	--	Bkgd	Bkgd
B13	5	B13-5'	5/6/2016	127-18-4	Tetrachloroethylene	0.0021	--	--	1.8E+02	9.5E-01	1.2E-05	2.2E-09	1.0E+03	4.3E+01	2.1E-06	4.8E-10	1.5E+02	2.4E+02	1.4E-05	8.6E-11
B13	5	B13-5'	5/6/2016	7439-92-1	Lead, Pb	10.6	11.9	Yes	8.0E+01	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd

Location ID	Depth (ft bgs)	Sample ID	Sample Date	CAS Number	Analyte	Soil Concentration (mg/kg)	Bkgd (mg/kg)	Within Bkgd?	Future Resident				Future Commercial Worker				Future Construction Worker			
									RBC _{soil-NC} (mg/kg)	RBC _{soil-C} (mg/kg)	Noncancer Hazard	Cancer Risk	RBC _{soil-NC} (mg/kg)	RBC _{soil-C} (mg/kg)	Noncancer Hazard	Cancer Risk	RBC _{soil-NC} (mg/kg)	RBC _{soil-C} (mg/kg)	Noncancer Hazard	Cancer Risk
B13	5	B13-5'	5/6/2016	7440-47-3	Chromium, Cr	35.3	35.7	Yes	3.6E+04	--	Bkgd	Bkgd	1.7E+05	--	Bkgd	Bkgd	4.3E+04	--	Bkgd	Bkgd
B13	5	B13-5'	5/6/2016	7440-50-8	Copper, Cu	48.2	64.4	Yes	3.1E+03	--	Bkgd	Bkgd	4.7E+04	--	Bkgd	Bkgd	1.4E+04	--	Bkgd	Bkgd
B13	5	B13-5'	5/6/2016	7440-66-6	Zinc, Zn	236	359	Yes	2.3E+04	--	Bkgd	Bkgd	3.5E+05	--	Bkgd	Bkgd	1.1E+05	--	Bkgd	Bkgd
B13	11	B13-11'	5/6/2016	127-18-4	Tetrachloroethylene	0.0012	--	--	1.8E+02	9.5E-01	6.8E-06	1.3E-09	1.0E+03	4.3E+01	1.2E-06	2.8E-10	1.5E+02	2.4E+02	8.0E-06	4.9E-11
B13	11	B13-11'	5/6/2016	7439-92-1	Lead, Pb	3.2	11.9	Yes	8.0E+01	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd
B13	11	B13-11'	5/6/2016	7440-47-3	Chromium, Cr	32.8	35.7	Yes	3.6E+04	--	Bkgd	Bkgd	1.7E+05	--	Bkgd	Bkgd	4.3E+04	--	Bkgd	Bkgd
B13	11	B13-11'	5/6/2016	7440-50-8	Copper, Cu	37	64.4	Yes	3.1E+03	--	Bkgd	Bkgd	4.7E+04	--	Bkgd	Bkgd	1.4E+04	--	Bkgd	Bkgd
B13	11	B13-11'	5/6/2016	7440-66-6	Zinc, Zn	82	359	Yes	2.3E+04	--	Bkgd	Bkgd	3.5E+05	--	Bkgd	Bkgd	1.1E+05	--	Bkgd	Bkgd
B14	1	B14-1'	5/6/2016	7439-92-1	Lead, Pb	23.9	11.9	No	8.0E+01	--	--	--	3.2E+02	--	--	--	3.2E+02	--	--	--
B14	1	B14-1'	5/6/2016	7440-47-3	Chromium, Cr	52.2	35.7	No	3.6E+04	--	1.4E-03	--	1.7E+05	--	3.1E-04	--	4.3E+04	--	1.2E-03	--
B14	1	B14-1'	5/6/2016	7440-50-8	Copper, Cu	26.5	64.4	Yes	3.1E+03	--	Bkgd	Bkgd	4.7E+04	--	Bkgd	Bkgd	1.4E+04	--	Bkgd	Bkgd
B14	1	B14-1'	5/6/2016	7440-66-6	Zinc, Zn	68.8	359	Yes	2.3E+04	--	Bkgd	Bkgd	3.5E+05	--	Bkgd	Bkgd	1.1E+05	--	Bkgd	Bkgd
B14	5	B14-5'	5/6/2016	7440-47-3	Chromium, Cr	6.7	35.7	Yes	3.6E+04	--	Bkgd	Bkgd	1.7E+05	--	Bkgd	Bkgd	4.3E+04	--	Bkgd	Bkgd
B14	5	B14-5'	5/6/2016	7440-50-8	Copper, Cu	10.3	64.4	Yes	3.1E+03	--	Bkgd	Bkgd	4.7E+04	--	Bkgd	Bkgd	1.4E+04	--	Bkgd	Bkgd
B14	5	B14-5'	5/6/2016	7440-66-6	Zinc, Zn	21.7	359	Yes	2.3E+04	--	Bkgd	Bkgd	3.5E+05	--	Bkgd	Bkgd	1.1E+05	--	Bkgd	Bkgd
B14	11	B14-11'	5/6/2016	7439-92-1	Lead, Pb	2.1	11.9	Yes	8.0E+01	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd
B14	11	B14-11'	5/6/2016	7440-47-3	Chromium, Cr	26.7	35.7	Yes	3.6E+04	--	Bkgd	Bkgd	1.7E+05	--	Bkgd	Bkgd	4.3E+04	--	Bkgd	Bkgd
B14	11	B14-11'	5/6/2016	7440-50-8	Copper, Cu	28.8	64.4	Yes	3.1E+03	--	Bkgd	Bkgd	4.7E+04	--	Bkgd	Bkgd	1.4E+04	--	Bkgd	Bkgd
B14	11	B14-11'	5/6/2016	7440-66-6	Zinc, Zn	63.5	359	Yes	2.3E+04	--	Bkgd	Bkgd	3.5E+05	--	Bkgd	Bkgd	1.1E+05	--	Bkgd	Bkgd
B15	1	B15-1'	5/6/2016	7439-92-1	Lead, Pb	7.8	11.9	Yes	8.0E+01	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd
B15	1	B15-1'	5/6/2016	7440-47-3	Chromium, Cr	45.4	35.7	No	3.6E+04	--	1.3E-03	--	1.7E+05	--	2.7E-04	--	4.3E+04	--	1.0E-03	--
B15	1	B15-1'	5/6/2016	7440-50-8	Copper, Cu	19.5	64.4	Yes	3.1E+03	--	Bkgd	Bkgd	4.7E+04	--	Bkgd	Bkgd	1.4E+04	--	Bkgd	Bkgd
B15	1	B15-1'	5/6/2016	7440-66-6	Zinc, Zn	52.6	359	Yes	2.3E+04	--	Bkgd	Bkgd	3.5E+05	--	Bkgd	Bkgd	1.1E+05	--	Bkgd	Bkgd
B15	4	B15-4'	5/6/2016	7439-92-1	Lead, Pb	6.2	11.9	Yes	8.0E+01	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd
B15	4	B15-4'	5/6/2016	7440-47-3	Chromium, Cr	24.4	35.7	Yes	3.6E+04	--	Bkgd	Bkgd	1.7E+05	--	Bkgd	Bkgd	4.3E+04	--	Bkgd	Bkgd
B15	4	B15-4'	5/6/2016	7440-50-8	Copper, Cu	23.8	64.4	Yes	3.1E+03	--	Bkgd	Bkgd	4.7E+04	--	Bkgd	Bkgd	1.4E+04	--	Bkgd	Bkgd
B15	4	B15-4'	5/6/2016	7440-66-6	Zinc, Zn	62.4	359	Yes	2.3E+04	--	Bkgd	Bkgd	3.5E+05	--	Bkgd	Bkgd	1.1E+05	--	Bkgd	Bkgd
B15	5	B15-5'	5/6/2016	100-41-4	Ethylbenzene	0.003	--	--	5.7E+03	1.6E+01	5.3E-07	1.8E-10	4.9E+04	7.2E+02	6.1E-08	4.2E-11	8.7E+03	2.8E+03	3.5E-07	1.1E-11
B15	5	B15-5'	5/6/2016	108-88-3	Toluene	0.0018	--	--	2.7E+03	--	6.7E-07	--	1.6E+04	--	1.1E-07	--	2.4E+03	--	7.5E-07	--
B15	5	B15-5'	5/6/2016	7439-92-1	Lead, Pb	3.6	11.9	Yes	8.0E+01	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd
B15	5	B15-5'	5/6/2016	7440-47-3	Chromium, Cr	27.8	35.7	Yes	3.6E+04	--	Bkgd	Bkgd	1.7E+05	--	Bkgd	Bkgd	4.3E+04	--	Bkgd	Bkgd
B15	5	B15-5'	5/6/2016	7440-50-8	Copper, Cu	15.5	64.4	Yes	3.1E+03	--	Bkgd	Bkgd	4.7E+04	--	Bkgd	Bkgd	1.4E+04	--	Bkgd	Bkgd
B15	5	B15-5'	5/6/2016	7440-66-6	Zinc, Zn	35.1	359	Yes	2.3E+04	--	Bkgd	Bkgd	3.5E+05	--	Bkgd	Bkgd	1.1E+05	--	Bkgd	Bkgd
B2	1	B2-1'	5/5/2016	127-18-4	Tetrachloroethylene	0.0127	--	--	1.8E+02	9.5E-01	7.2E-05	1.3E-08	1.0E+03	4.3E+01	1.3E-05	2.9E-09	1.5E+02	2.4E+02	8.5E-05	5.2E-10
B2	1	B2-1'	5/5/2016	7439-92-1	Lead, Pb	3	11.9	Yes	8.0E+01	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd
B2	1	B2-1'	5/5/2016	7440-47-3	Chromium, Cr	23.4	35.7	Yes	3.6E+04	--	Bkgd	Bkgd	1.7E+05	--	Bkgd	Bkgd	4.3E+04	--	Bkgd	Bkgd
B2	1	B2-1'	5/5/2016	7440-50-8	Copper, Cu	23.5	64.4	Yes	3.1E+03	--	Bkgd	Bkgd	4.7E+04	--	Bkgd	Bkgd	1.4E+04	--	Bkgd	Bkgd
B2	1	B2-1'	5/5/2016	7440-66-6	Zinc, Zn	62.4	359	Yes	2.3E+04	--	Bkgd	Bkgd	3.5E+05	--	Bkgd	Bkgd	1.1E+05	--	Bkgd	Bkgd
B2	4.5	B2-4.5'	5/5/2016	127-18-4	Tetrachloroethylene	0.0017	--	--	1.8E+02	9.5E-01	9.6E-06	1.8E-09	1.0E+03	4.3E+01	1.7E-06	3.9E-10	1.5E+02	2.4E+02	1.1E-05	6.9E-11
B2	4.5	B2-4.5'	5/5/2016	7439-92-1	Lead, Pb	4.1	11.9	Yes	8.0E+01	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd
B2	4.5	B2-4.5'	5/5/2016	7440-47-3	Chromium, Cr	33.3	35.7	Yes	3.6E+04	--	Bkgd	Bkgd	1.7E+05	--	Bkgd	Bkgd	4.3E+04	--	Bkgd	Bkgd
B2	4.5	B2-4.5'	5/5/2016	7440-50-8	Copper, Cu	38.5	64.4	Yes	3.1E+03	--	Bkgd	Bkgd	4.7E+04	--	Bkgd	Bkgd	1.4E+04	--	Bkgd	Bkgd
B2	4.5	B2-4.5'	5/5/2016	7440-66-6	Zinc, Zn	76.1	359	Yes	2.3E+04	--	Bkgd	Bkgd	3.5E+05	--	Bkgd	Bkgd	1.1E+05	--	Bkgd	Bkgd

Location ID	Depth (ft bgs)	Sample ID	Sample Date	CAS Number	Analyte	Soil Concentration (mg/kg)	Bkgd (mg/kg)	Within Bkgd?	Future Resident				Future Commercial Worker				Future Construction Worker			
									RBC _{soil-NC} (mg/kg)	RBC _{soil-C} (mg/kg)	Noncancer Hazard	Cancer Risk	RBC _{soil-NC} (mg/kg)	RBC _{soil-C} (mg/kg)	Noncancer Hazard	Cancer Risk	RBC _{soil-NC} (mg/kg)	RBC _{soil-C} (mg/kg)	Noncancer Hazard	Cancer Risk
B2	8.5	B2-8.5'	5/5/2016	7439-92-1	Lead, Pb	1.2	11.9	Yes	8.0E+01	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd
B2	8.5	B2-8.5'	5/5/2016	7440-47-3	Chromium, Cr	19	35.7	Yes	3.6E+04	--	Bkgd	Bkgd	1.7E+05	--	Bkgd	Bkgd	4.3E+04	--	Bkgd	Bkgd
B2	8.5	B2-8.5'	5/5/2016	7440-50-8	Copper, Cu	16.5	64.4	Yes	3.1E+03	--	Bkgd	Bkgd	4.7E+04	--	Bkgd	Bkgd	1.4E+04	--	Bkgd	Bkgd
B2	8.5	B2-8.5'	5/5/2016	7440-66-6	Zinc, Zn	43	359	Yes	2.3E+04	--	Bkgd	Bkgd	3.5E+05	--	Bkgd	Bkgd	1.1E+05	--	Bkgd	Bkgd
B3	1	B3-1'	5/4/2016	127-18-4	Tetrachloroethylene	0.0218	--	--	1.8E+02	9.5E-01	1.2E-04	2.3E-08	1.0E+03	4.3E+01	2.2E-05	5.0E-09	1.5E+02	2.4E+02	1.5E-04	8.9E-10
B3	1	B3-1'	5/4/2016	7439-92-1	Lead, Pb	19.1	11.9	No	8.0E+01	--	--	--	3.2E+02	--	--	--	3.2E+02	--	--	--
B3	1	B3-1'	5/4/2016	7440-47-3	Chromium, Cr	23.1	35.7	Yes	3.6E+04	--	Bkgd	Bkgd	1.7E+05	--	Bkgd	Bkgd	4.3E+04	--	Bkgd	Bkgd
B3	1	B3-1'	5/4/2016	7440-50-8	Copper, Cu	145	64.4	No	3.1E+03	--	4.6E-02	--	4.7E+04	--	3.1E-03	--	1.4E+04	--	1.0E-02	--
B3	1	B3-1'	5/4/2016	7440-66-6	Zinc, Zn	136	359	Yes	2.3E+04	--	Bkgd	Bkgd	3.5E+05	--	Bkgd	Bkgd	1.1E+05	--	Bkgd	Bkgd
B3	4.5	B3-4.5'	5/4/2016	127-18-4	Tetrachloroethylene	0.0079	--	--	1.8E+02	9.5E-01	4.4E-05	8.3E-09	1.0E+03	4.3E+01	7.8E-06	1.8E-09	1.5E+02	2.4E+02	5.3E-05	3.2E-10
B3	4.5	B3-4.5'	5/4/2016	7439-92-1	Lead, Pb	2.1	11.9	Yes	8.0E+01	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd
B3	4.5	B3-4.5'	5/4/2016	7440-47-3	Chromium, Cr	23.7	35.7	Yes	3.6E+04	--	Bkgd	Bkgd	1.7E+05	--	Bkgd	Bkgd	4.3E+04	--	Bkgd	Bkgd
B3	4.5	B3-4.5'	5/4/2016	7440-50-8	Copper, Cu	34.5	64.4	Yes	3.1E+03	--	Bkgd	Bkgd	4.7E+04	--	Bkgd	Bkgd	1.4E+04	--	Bkgd	Bkgd
B3	4.5	B3-4.5'	5/4/2016	7440-66-6	Zinc, Zn	54.3	359	Yes	2.3E+04	--	Bkgd	Bkgd	3.5E+05	--	Bkgd	Bkgd	1.1E+05	--	Bkgd	Bkgd
B3	8.5	B3-8.5'	5/4/2016	127-18-4	Tetrachloroethylene	0.0012	--	--	1.8E+02	9.5E-01	6.8E-06	1.3E-09	1.0E+03	4.3E+01	1.2E-06	2.8E-10	1.5E+02	2.4E+02	8.0E-06	4.9E-11
B3	8.5	B3-8.5'	5/4/2016	7439-92-1	Lead, Pb	2.6	11.9	Yes	8.0E+01	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd
B3	8.5	B3-8.5'	5/4/2016	7440-47-3	Chromium, Cr	19.8	35.7	Yes	3.6E+04	--	Bkgd	Bkgd	1.7E+05	--	Bkgd	Bkgd	4.3E+04	--	Bkgd	Bkgd
B3	8.5	B3-8.5'	5/4/2016	7440-50-8	Copper, Cu	19.7	64.4	Yes	3.1E+03	--	Bkgd	Bkgd	4.7E+04	--	Bkgd	Bkgd	1.4E+04	--	Bkgd	Bkgd
B3	8.5	B3-8.5'	5/4/2016	7440-66-6	Zinc, Zn	43.4	359	Yes	2.3E+04	--	Bkgd	Bkgd	3.5E+05	--	Bkgd	Bkgd	1.1E+05	--	Bkgd	Bkgd
B4	1	B4-1'	5/4/2016	127-18-4	Tetrachloroethylene	3.33	--	--	1.8E+02	9.5E-01	1.9E-02	3.5E-06	1.0E+03	4.3E+01	3.3E-03	7.7E-07	1.5E+02	2.4E+02	2.2E-02	1.4E-07
B4	1	B4-1'	5/4/2016	156-59-2	cis-1,2-Dichloroethene	0.005	--	--	5.0E+01	--	1.0E-04	--	2.7E+02	--	1.9E-05	--	3.9E+01	--	1.3E-04	--
B4	1	B4-1'	5/4/2016	156-60-5	trans-1,2-Dichloroethene	0.0023	--	--	3.7E+02	--	6.1E-06	--	1.9E+03	--	1.2E-06	--	2.7E+02	--	8.6E-06	--
B4	1	B4-1'	5/4/2016	7439-92-1	Lead, Pb	108	11.9	No	8.0E+01	--	> Cal-EPA SL	--	3.2E+02	--	--	--	3.2E+02	--	--	--
B4	1	B4-1'	5/4/2016	7440-43-9	Cadmium, Cd	0.8	0.8	No	5.2E+00	1.8E+05	1.5E-01	4.5E-12	7.3E+00	7.8E+06	1.1E-01	1.0E-12	2.2E+00	7.1E+03	3.7E-01	1.1E-09
B4	1	B4-1'	5/4/2016	7440-47-3	Chromium, Cr	25.9	35.7	Yes	3.6E+04	--	Bkgd	Bkgd	1.7E+05	--	Bkgd	Bkgd	4.3E+04	--	Bkgd	Bkgd
B4	1	B4-1'	5/4/2016	7440-50-8	Copper, Cu	133	64.4	No	3.1E+03	--	4.3E-02	--	4.7E+04	--	2.8E-03	--	1.4E+04	--	9.4E-03	--
B4	1	B4-1'	5/4/2016	7440-66-6	Zinc, Zn	1580	359	No	2.3E+04	--	6.7E-02	--	3.5E+05	--	4.5E-03	--	1.1E+05	--	1.5E-02	--
B4	1	B4-1'	5/4/2016	79-01-6	Trichloroethylene	0.153	--	--	1.1E+01	2.5E+00	1.4E-02	6.0E-08	5.8E+01	1.7E+02	2.6E-03	9.1E-09	8.4E+00	6.6E+02	1.8E-02	2.3E-09
B4	4.5	B4-4.5'/B4-4.5D	5/4/2016	127-18-4	Tetrachloroethylene	0.024	--	--	1.8E+02	9.5E-01	1.4E-04	2.5E-08	1.0E+03	4.3E+01	2.4E-05	5.5E-09	1.5E+02	2.4E+02	1.6E-04	9.8E-10
B4	4.5	B4-4.5'/B4-4.5D	5/4/2016	7439-92-1	Lead, Pb	2.7	11.9	Yes	8.0E+01	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd
B4	4.5	B4-4.5'/B4-4.5D	5/4/2016	7440-47-3	Chromium, Cr	26.4	35.7	Yes	3.6E+04	--	Bkgd	Bkgd	1.7E+05	--	Bkgd	Bkgd	4.3E+04	--	Bkgd	Bkgd
B4	4.5	B4-4.5'/B4-4.5D	5/4/2016	7440-50-8	Copper, Cu	32.3	64.4	Yes	3.1E+03	--	Bkgd	Bkgd	4.7E+04	--	Bkgd	Bkgd	1.4E+04	--	Bkgd	Bkgd
B4	4.5	B4-4.5'/B4-4.5D	5/4/2016	7440-66-6	Zinc, Zn	880	359	No	2.3E+04	--	3.8E-02	--	3.5E+05	--	2.5E-03	--	1.1E+05	--	8.3E-03	--
B4	8.5	B4-8.5'	5/4/2016	127-18-4	Tetrachloroethylene	0.0224	--	--	1.8E+02	9.5E-01	1.3E-04	2.4E-08	1.0E+03	4.3E+01	2.2E-05	5.1E-09	1.5E+02	2.4E+02	1.5E-04	9.1E-10
B4	8.5	B4-8.5'	5/4/2016	7439-92-1	Lead, Pb	0.7	11.9	Yes	8.0E+01	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd
B4	8.5	B4-8.5'	5/4/2016	7440-47-3	Chromium, Cr	14.5	35.7	Yes	3.6E+04	--	Bkgd	Bkgd	1.7E+05	--	Bkgd	Bkgd	4.3E+04	--	Bkgd	Bkgd
B4	8.5	B4-8.5'	5/4/2016	7440-50-8	Copper, Cu	15.1	64.4	Yes	3.1E+03	--	Bkgd	Bkgd	4.7E+04	--	Bkgd	Bkgd	1.4E+04	--	Bkgd	Bkgd
B4	8.5	B4-8.5'	5/4/2016	7440-66-6	Zinc, Zn	38.2	359	Yes	2.3E+04	--	Bkgd	Bkgd	3.5E+05	--	Bkgd	Bkgd	1.1E+05	--	Bkgd	Bkgd
B5	1	B5-1'	5/4/2016	127-18-4	Tetrachloroethylene	0.0296	--	--	1.8E+02	9.5E-01	1.7E-04	3.1E-08	1.0E+03	4.3E+01	2.9E-05	6.8E-09	1.5E+02	2.4E+02	2.0E-04	1.2E-09
B5	1	B5-1'	5/4/2016	7440-47-3	Chromium, Cr	16.4	35.7	Yes	3.6E+04	--	Bkgd	Bkgd	1.7E+05	--	Bkgd	Bkgd	4.3E+04	--	Bkgd	Bkgd
B5	1	B5-1'	5/4/2016	7440-50-8	Copper, Cu	10.7	64.4	Yes	3.1E+03	--	Bkgd	Bkgd	4.7E+04	--	Bkgd	Bkgd	1.4E+04	--	Bkgd	Bkgd
B5	1	B5-1'	5/4/2016	7440-66-6	Zinc, Zn	37.6	359	Yes	2.3E+04	--	Bkgd	Bkgd	3.5E+05	--	Bkgd	Bkgd	1.1E+05	--	Bkgd	Bkgd
B5	4.5	B5-4.5'	5/4/2016	127-18-4	Tetrachloroethylene	0.148	--	--	1.8E+02	9.5E-01	8.3E-04	1.6E-07	1.0E+03	4.3E+01	1.5E-04	3.4E-08	1.5E+02	2.4E+02	9.9E-04	6.0E-09

Location ID	Depth (ft bgs)	Sample ID	Sample Date	CAS Number	Analyte	Soil Concentration (mg/kg)	Bkgd (mg/kg)	Within Bkgd?	Future Resident				Future Commercial Worker				Future Construction Worker			
									RBC _{soil-NC} (mg/kg)	RBC _{soil-C} (mg/kg)	Noncancer Hazard	Cancer Risk	RBC _{soil-NC} (mg/kg)	RBC _{soil-C} (mg/kg)	Noncancer Hazard	Cancer Risk	RBC _{soil-NC} (mg/kg)	RBC _{soil-C} (mg/kg)	Noncancer Hazard	Cancer Risk
B5	4.5	B5-4.5'	5/4/2016	7439-92-1	Lead, Pb	1.1	11.9	Yes	8.0E+01	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd
B5	4.5	B5-4.5'	5/4/2016	7440-47-3	Chromium, Cr	16.2	35.7	Yes	3.6E+04	--	Bkgd	Bkgd	1.7E+05	--	Bkgd	Bkgd	4.3E+04	--	Bkgd	Bkgd
B5	4.5	B5-4.5'	5/4/2016	7440-50-8	Copper, Cu	17.2	64.4	Yes	3.1E+03	--	Bkgd	Bkgd	4.7E+04	--	Bkgd	Bkgd	1.4E+04	--	Bkgd	Bkgd
B5	4.5	B5-4.5'	5/4/2016	7440-66-6	Zinc, Zn	45.4	359	Yes	2.3E+04	--	Bkgd	Bkgd	3.5E+05	--	Bkgd	Bkgd	1.1E+05	--	Bkgd	Bkgd
B5	8.5	B5-8.5'	5/4/2016	127-18-4	Tetrachloroethylene	0.161	--	--	1.8E+02	9.5E-01	9.1E-04	1.7E-07	1.0E+03	4.3E+01	1.6E-04	3.7E-08	1.5E+02	2.4E+02	1.1E-03	6.6E-09
B5	8.5	B5-8.5'	5/4/2016	7439-92-1	Lead, Pb	2.4	11.9	Yes	8.0E+01	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd
B5	8.5	B5-8.5'	5/4/2016	7440-47-3	Chromium, Cr	25.3	35.7	Yes	3.6E+04	--	Bkgd	Bkgd	1.7E+05	--	Bkgd	Bkgd	4.3E+04	--	Bkgd	Bkgd
B5	8.5	B5-8.5'	5/4/2016	7440-50-8	Copper, Cu	28	64.4	Yes	3.1E+03	--	Bkgd	Bkgd	4.7E+04	--	Bkgd	Bkgd	1.4E+04	--	Bkgd	Bkgd
B5	8.5	B5-8.5'	5/4/2016	7440-66-6	Zinc, Zn	56.8	359	Yes	2.3E+04	--	Bkgd	Bkgd	3.5E+05	--	Bkgd	Bkgd	1.1E+05	--	Bkgd	Bkgd
B6	1	B6-1'	5/4/2016	127-18-4	Tetrachloroethylene	0.0287	--	--	1.8E+02	9.5E-01	1.6E-04	3.0E-08	1.0E+03	4.3E+01	2.8E-05	6.6E-09	1.5E+02	2.4E+02	1.9E-04	1.2E-09
B6	1	B6-1'	5/4/2016	7439-92-1	Lead, Pb	2.2	11.9	Yes	8.0E+01	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd
B6	1	B6-1'	5/4/2016	7440-47-3	Chromium, Cr	24	35.7	Yes	3.6E+04	--	Bkgd	Bkgd	1.7E+05	--	Bkgd	Bkgd	4.3E+04	--	Bkgd	Bkgd
B6	1	B6-1'	5/4/2016	7440-50-8	Copper, Cu	24.6	64.4	Yes	3.1E+03	--	Bkgd	Bkgd	4.7E+04	--	Bkgd	Bkgd	1.4E+04	--	Bkgd	Bkgd
B6	1	B6-1'	5/4/2016	7440-66-6	Zinc, Zn	58.2	359	Yes	2.3E+04	--	Bkgd	Bkgd	3.5E+05	--	Bkgd	Bkgd	1.1E+05	--	Bkgd	Bkgd
B6	4.5	B6-4.5'	5/4/2016	127-18-4	Tetrachloroethylene	0.0331	--	--	1.8E+02	9.5E-01	1.9E-04	3.5E-08	1.0E+03	4.3E+01	3.3E-05	7.6E-09	1.5E+02	2.4E+02	2.2E-04	1.4E-09
B6	4.5	B6-4.5'	5/4/2016	7439-92-1	Lead, Pb	1	11.9	Yes	8.0E+01	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd
B6	4.5	B6-4.5'	5/4/2016	7440-47-3	Chromium, Cr	16.1	35.7	Yes	3.6E+04	--	Bkgd	Bkgd	1.7E+05	--	Bkgd	Bkgd	4.3E+04	--	Bkgd	Bkgd
B6	4.5	B6-4.5'	5/4/2016	7440-50-8	Copper, Cu	17.9	64.4	Yes	3.1E+03	--	Bkgd	Bkgd	4.7E+04	--	Bkgd	Bkgd	1.4E+04	--	Bkgd	Bkgd
B6	4.5	B6-4.5'	5/4/2016	7440-66-6	Zinc, Zn	41.1	359	Yes	2.3E+04	--	Bkgd	Bkgd	3.5E+05	--	Bkgd	Bkgd	1.1E+05	--	Bkgd	Bkgd
B6	8.5	B6-8.5'	5/4/2016	127-18-4	Tetrachloroethylene	0.0221	--	--	1.8E+02	9.5E-01	1.2E-04	2.3E-08	1.0E+03	4.3E+01	2.2E-05	5.1E-09	1.5E+02	2.4E+02	1.5E-04	9.0E-10
B6	8.5	B6-8.5'	5/4/2016	7439-92-1	Lead, Pb	5.1	11.9	Yes	8.0E+01	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd
B6	8.5	B6-8.5'	5/4/2016	7440-47-3	Chromium, Cr	31.8	35.7	Yes	3.6E+04	--	Bkgd	Bkgd	1.7E+05	--	Bkgd	Bkgd	4.3E+04	--	Bkgd	Bkgd
B6	8.5	B6-8.5'	5/4/2016	7440-50-8	Copper, Cu	37.9	64.4	Yes	3.1E+03	--	Bkgd	Bkgd	4.7E+04	--	Bkgd	Bkgd	1.4E+04	--	Bkgd	Bkgd
B6	8.5	B6-8.5'	5/4/2016	7440-66-6	Zinc, Zn	78	359	Yes	2.3E+04	--	Bkgd	Bkgd	3.5E+05	--	Bkgd	Bkgd	1.1E+05	--	Bkgd	Bkgd
B7	1	B7-1'	5/5/2016	127-18-4	Tetrachloroethylene	0.0058	--	--	1.8E+02	9.5E-01	3.3E-05	6.1E-09	1.0E+03	4.3E+01	5.8E-06	1.3E-09	1.5E+02	2.4E+02	3.9E-05	2.4E-10
B7	1	B7-1'	5/5/2016	71-43-2	Benzene	0.0017	--	--	3.4E+01	1.0E+00	5.0E-05	1.7E-09	1.5E+02	4.4E+01	1.1E-05	3.9E-10	2.1E+01	1.6E+02	8.0E-05	1.0E-10
B7	1	B7-1'	5/5/2016	7439-92-1	Lead, Pb	59.6	11.9	No	8.0E+01	--	--	--	3.2E+02	--	--	--	3.2E+02	--	--	--
B7	1	B7-1'	5/5/2016	7440-47-3	Chromium, Cr	17.9	35.7	Yes	3.6E+04	--	Bkgd	Bkgd	1.7E+05	--	Bkgd	Bkgd	4.3E+04	--	Bkgd	Bkgd
B7	1	B7-1'	5/5/2016	7440-50-8	Copper, Cu	22.6	64.4	Yes	3.1E+03	--	Bkgd	Bkgd	4.7E+04	--	Bkgd	Bkgd	1.4E+04	--	Bkgd	Bkgd
B7	1	B7-1'	5/5/2016	7440-66-6	Zinc, Zn	62.8	359	Yes	2.3E+04	--	Bkgd	Bkgd	3.5E+05	--	Bkgd	Bkgd	1.1E+05	--	Bkgd	Bkgd
B7	1	B7-1'	5/5/2016	79-01-6	Trichloroethylene	0.0016	--	--	1.1E+01	2.5E+00	1.4E-04	6.3E-10	5.8E+01	1.7E+02	2.8E-05	9.5E-11	8.4E+00	6.6E+02	1.9E-04	2.4E-11
B7	4.5	B7-4.5'	5/5/2016	127-18-4	Tetrachloroethylene	0.0221	--	--	1.8E+02	9.5E-01	1.2E-04	2.3E-08	1.0E+03	4.3E+01	2.2E-05	5.1E-09	1.5E+02	2.4E+02	1.5E-04	9.0E-10
B7	4.5	B7-4.5'	5/5/2016	7439-92-1	Lead, Pb	3.8	11.9	Yes	8.0E+01	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd
B7	4.5	B7-4.5'	5/5/2016	7440-47-3	Chromium, Cr	29.7	35.7	Yes	3.6E+04	--	Bkgd	Bkgd	1.7E+05	--	Bkgd	Bkgd	4.3E+04	--	Bkgd	Bkgd
B7	4.5	B7-4.5'	5/5/2016	7440-50-8	Copper, Cu	33.4	64.4	Yes	3.1E+03	--	Bkgd	Bkgd	4.7E+04	--	Bkgd	Bkgd	1.4E+04	--	Bkgd	Bkgd
B7	4.5	B7-4.5'	5/5/2016	7440-66-6	Zinc, Zn	70.5	359	Yes	2.3E+04	--	Bkgd	Bkgd	3.5E+05	--	Bkgd	Bkgd	1.1E+05	--	Bkgd	Bkgd
B7	4.5	B7-4.5'	5/5/2016	79-01-6	Trichloroethylene	0.0136	--	--	1.1E+01	2.5E+00	1.2E-03	5.3E-09	5.8E+01	1.7E+02	2.3E-04	8.1E-10	8.4E+00	6.6E+02	1.6E-03	2.1E-10
B7	8.5	B7-8.5'	5/5/2016	7439-92-1	Lead, Pb	0.7	11.9	Yes	8.0E+01	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd
B7	8.5	B7-8.5'	5/5/2016	7440-47-3	Chromium, Cr	17.8	35.7	Yes	3.6E+04	--	Bkgd	Bkgd	1.7E+05	--	Bkgd	Bkgd	4.3E+04	--	Bkgd	Bkgd
B7	8.5	B7-8.5'	5/5/2016	7440-50-8	Copper, Cu	19.7	64.4	Yes	3.1E+03	--	Bkgd	Bkgd	4.7E+04	--	Bkgd	Bkgd	1.4E+04	--	Bkgd	Bkgd
B7	8.5	B7-8.5'	5/5/2016	7440-66-6	Zinc, Zn	32.3	359	Yes	2.3E+04	--	Bkgd	Bkgd	3.5E+05	--	Bkgd	Bkgd	1.1E+05	--	Bkgd	Bkgd
B8	1	B8-1'	5/5/2016	127-18-4	Tetrachloroethylene	0.0139	--	--	1.8E+02	9.5E-01	7.8E-05	1.5E-08	1.0E+03	4.3E+01	1.4E-05	3.2E-09	1.5E+02	2.4E+02	9.3E-05	5.7E-10
B8	1	B8-1'	5/5/2016	71-43-2	Benzene	0.0043	--	--	3.4E+01	1.0E+00	1.3E-04	4.2E-09	1.5E+02	4.4E+01	2.8E-05	9.8E-10	2.1E+01	1.6E+02	2.0E-04	2.7E-10

Location ID	Depth (ft bgs)	Sample ID	Sample Date	CAS Number	Analyte	Soil Concentration (mg/kg)	Bkgd (mg/kg)	Within Bkgd?	Future Resident				Future Commercial Worker				Future Construction Worker			
									RBC _{soil-NC} (mg/kg)	RBC _{soil-C} (mg/kg)	Noncancer Hazard	Cancer Risk	RBC _{soil-NC} (mg/kg)	RBC _{soil-C} (mg/kg)	Noncancer Hazard	Cancer Risk	RBC _{soil-NC} (mg/kg)	RBC _{soil-C} (mg/kg)	Noncancer Hazard	Cancer Risk
B8	1	B8-1'	5/5/2016	7439-92-1	Lead, Pb	2.5	11.9	Yes	8.0E+01	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd
B8	1	B8-1'	5/5/2016	7440-47-3	Chromium, Cr	10.2	35.7	Yes	3.6E+04	--	Bkgd	Bkgd	1.7E+05	--	Bkgd	Bkgd	4.3E+04	--	Bkgd	Bkgd
B8	1	B8-1'	5/5/2016	7440-50-8	Copper, Cu	12.3	64.4	Yes	3.1E+03	--	Bkgd	Bkgd	4.7E+04	--	Bkgd	Bkgd	1.4E+04	--	Bkgd	Bkgd
B8	1	B8-1'	5/5/2016	7440-66-6	Zinc, Zn	40.4	359	Yes	2.3E+04	--	Bkgd	Bkgd	3.5E+05	--	Bkgd	Bkgd	1.1E+05	--	Bkgd	Bkgd
B8	1	B8-1'	5/5/2016	79-01-6	Trichloroethylene	0.0198	--	--	1.1E+01	2.5E+00	1.8E-03	7.8E-09	5.8E+01	1.7E+02	3.4E-04	1.2E-09	8.4E+00	6.6E+02	2.4E-03	3.0E-10
B8	4.5	B8-4.5'	5/5/2016	127-18-4	Tetrachloroethylene	0.0033	--	--	1.8E+02	9.5E-01	1.9E-05	3.5E-09	1.0E+03	4.3E+01	3.3E-06	7.6E-10	1.5E+02	2.4E+02	2.2E-05	1.3E-10
B8	4.5	B8-4.5'	5/5/2016	7439-92-1	Lead, Pb	2.8	11.9	Yes	8.0E+01	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd
B8	4.5	B8-4.5'	5/5/2016	7440-47-3	Chromium, Cr	29.5	35.7	Yes	3.6E+04	--	Bkgd	Bkgd	1.7E+05	--	Bkgd	Bkgd	4.3E+04	--	Bkgd	Bkgd
B8	4.5	B8-4.5'	5/5/2016	7440-50-8	Copper, Cu	32	64.4	Yes	3.1E+03	--	Bkgd	Bkgd	4.7E+04	--	Bkgd	Bkgd	1.4E+04	--	Bkgd	Bkgd
B8	4.5	B8-4.5'	5/5/2016	7440-66-6	Zinc, Zn	67.8	359	Yes	2.3E+04	--	Bkgd	Bkgd	3.5E+05	--	Bkgd	Bkgd	1.1E+05	--	Bkgd	Bkgd
B8	4.5	B8-4.5'	5/5/2016	79-01-6	Trichloroethylene	0.001	--	--	1.1E+01	2.5E+00	8.9E-05	3.9E-10	5.8E+01	1.7E+02	1.7E-05	6.0E-11	8.4E+00	6.6E+02	1.2E-04	1.5E-11
B8	8.5	B8-8.5'/B8-8.5D	5/5/2016	7440-47-3	Chromium, Cr	22.4	35.7	Yes	3.6E+04	--	Bkgd	Bkgd	1.7E+05	--	Bkgd	Bkgd	4.3E+04	--	Bkgd	Bkgd
B8	8.5	B8-8.5'/B8-8.5D	5/5/2016	7440-50-8	Copper, Cu	25.2	64.4	Yes	3.1E+03	--	Bkgd	Bkgd	4.7E+04	--	Bkgd	Bkgd	1.4E+04	--	Bkgd	Bkgd
B8	8.5	B8-8.5'/B8-8.5D	5/5/2016	7440-66-6	Zinc, Zn	50.6	359	Yes	2.3E+04	--	Bkgd	Bkgd	3.5E+05	--	Bkgd	Bkgd	1.1E+05	--	Bkgd	Bkgd
B8	8.5	B8-8.5'/B8-8.5D	5/5/2016	127-18-4	Tetrachloroethylene	0.006	--	--	1.8E+02	9.5E-01	3.4E-05	6.3E-09	1.0E+03	4.3E+01	6.0E-06	1.4E-09	1.5E+02	2.4E+02	4.0E-05	2.4E-10
B8	8.5	B8-8.5'/B8-8.5D	5/5/2016	7439-92-1	Lead, Pb	1.9	11.9	Yes	8.0E+01	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd
B8	8.5	B8-8.5'/B8-8.5D	5/5/2016	79-01-6	Trichloroethylene	0.0013	--	--	1.1E+01	2.5E+00	1.2E-04	5.1E-10	5.8E+01	1.7E+02	2.2E-05	7.7E-11	8.4E+00	6.6E+02	1.6E-04	2.0E-11
B9	1	B9-1'	5/5/2016	127-18-4	Tetrachloroethylene	0.0018	--	--	1.8E+02	9.5E-01	1.0E-05	1.9E-09	1.0E+03	4.3E+01	1.8E-06	4.1E-10	1.5E+02	2.4E+02	1.2E-05	7.3E-11
B9	1	B9-1'	5/5/2016	7439-92-1	Lead, Pb	4.7	11.9	Yes	8.0E+01	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd
B9	1	B9-1'	5/5/2016	7440-47-3	Chromium, Cr	14.3	35.7	Yes	3.6E+04	--	Bkgd	Bkgd	1.7E+05	--	Bkgd	Bkgd	4.3E+04	--	Bkgd	Bkgd
B9	1	B9-1'	5/5/2016	7440-50-8	Copper, Cu	18	64.4	Yes	3.1E+03	--	Bkgd	Bkgd	4.7E+04	--	Bkgd	Bkgd	1.4E+04	--	Bkgd	Bkgd
B9	1	B9-1'	5/5/2016	7440-66-6	Zinc, Zn	57	359	Yes	2.3E+04	--	Bkgd	Bkgd	3.5E+05	--	Bkgd	Bkgd	1.1E+05	--	Bkgd	Bkgd
B9	4.5	B9-4.5'	5/5/2016	127-18-4	Tetrachloroethylene	0.0023	--	--	1.8E+02	9.5E-01	1.3E-05	2.4E-09	1.0E+03	4.3E+01	2.3E-06	5.3E-10	1.5E+02	2.4E+02	1.5E-05	9.4E-11
B9	4.5	B9-4.5'	5/5/2016	7439-92-1	Lead, Pb	3	11.9	Yes	8.0E+01	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd
B9	4.5	B9-4.5'	5/5/2016	7440-47-3	Chromium, Cr	29.5	35.7	Yes	3.6E+04	--	Bkgd	Bkgd	1.7E+05	--	Bkgd	Bkgd	4.3E+04	--	Bkgd	Bkgd
B9	4.5	B9-4.5'	5/5/2016	7440-50-8	Copper, Cu	33.3	64.4	Yes	3.1E+03	--	Bkgd	Bkgd	4.7E+04	--	Bkgd	Bkgd	1.4E+04	--	Bkgd	Bkgd
B9	4.5	B9-4.5'	5/5/2016	7440-66-6	Zinc, Zn	68.4	359	Yes	2.3E+04	--	Bkgd	Bkgd	3.5E+05	--	Bkgd	Bkgd	1.1E+05	--	Bkgd	Bkgd
B9	8.5	B9-8.5'	5/5/2016	127-18-4	Tetrachloroethylene	0.002	--	--	1.8E+02	9.5E-01	1.1E-05	2.1E-09	1.0E+03	4.3E+01	2.0E-06	4.6E-10	1.5E+02	2.4E+02	1.3E-05	8.2E-11
B9	8.5	B9-8.5'	5/5/2016	7439-92-1	Lead, Pb	2.1	11.9	Yes	8.0E+01	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd
B9	8.5	B9-8.5'	5/5/2016	7440-47-3	Chromium, Cr	25.7	35.7	Yes	3.6E+04	--	Bkgd	Bkgd	1.7E+05	--	Bkgd	Bkgd	4.3E+04	--	Bkgd	Bkgd
B9	8.5	B9-8.5'	5/5/2016	7440-50-8	Copper, Cu	25.8	64.4	Yes	3.1E+03	--	Bkgd	Bkgd	4.7E+04	--	Bkgd	Bkgd	1.4E+04	--	Bkgd	Bkgd
B9	8.5	B9-8.5'	5/5/2016	7440-66-6	Zinc, Zn	56.1	359	Yes	2.3E+04	--	Bkgd	Bkgd	3.5E+05	--	Bkgd	Bkgd	1.1E+05	--	Bkgd	Bkgd
LB1	1	LB1-1'	5/6/2016	127-18-4	Tetrachloroethylene	0.0029	--	--	1.8E+02	9.5E-01	1.6E-05	3.1E-09	1.0E+03	4.3E+01	2.9E-06	6.7E-10	1.5E+02	2.4E+02	1.9E-05	1.2E-10
LB1	1	LB1-1'	5/6/2016	7439-92-1	Lead, Pb	5.6	11.9	Yes	8.0E+01	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd
LB1	1	LB1-1'	5/6/2016	7440-47-3	Chromium, Cr	24.9	35.7	Yes	3.6E+04	--	Bkgd	Bkgd	1.7E+05	--	Bkgd	Bkgd	4.3E+04	--	Bkgd	Bkgd
LB1	1	LB1-1'	5/6/2016	7440-50-8	Copper, Cu	26.1	64.4	Yes	3.1E+03	--	Bkgd	Bkgd	4.7E+04	--	Bkgd	Bkgd	1.4E+04	--	Bkgd	Bkgd
LB1	1	LB1-1'	5/6/2016	7440-66-6	Zinc, Zn	65.9	359	Yes	2.3E+04	--	Bkgd	Bkgd	3.5E+05	--	Bkgd	Bkgd	1.1E+05	--	Bkgd	Bkgd
LB1	4.5	LB1-4.5'	5/6/2016	127-18-4	Tetrachloroethylene	0.0016	--	--	1.8E+02	9.5E-01	9.0E-06	1.7E-09	1.0E+03	4.3E+01	1.6E-06	3.7E-10	1.5E+02	2.4E+02	1.1E-05	6.5E-11
LB1	4.5	LB1-4.5'	5/6/2016	7439-92-1	Lead, Pb	4.1	11.9	Yes	8.0E+01	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd
LB1	4.5	LB1-4.5'	5/6/2016	7440-47-3	Chromium, Cr	22.8	35.7	Yes	3.6E+04	--	Bkgd	Bkgd	1.7E+05	--	Bkgd	Bkgd	4.3E+04	--	Bkgd	Bkgd
LB1	4.5	LB1-4.5'	5/6/2016	7440-50-8	Copper, Cu	26.9	64.4	Yes	3.1E+03	--	Bkgd	Bkgd	4.7E+04	--	Bkgd	Bkgd	1.4E+04	--	Bkgd	Bkgd
LB1	4.5	LB1-4.5'	5/6/2016	7440-66-6	Zinc, Zn	60.9	359	Yes	2.3E+04	--	Bkgd	Bkgd	3.5E+05	--	Bkgd	Bkgd	1.1E+05	--	Bkgd	Bkgd
LB1	8.5	LB1-8.5'	5/6/2016	127-18-4	Tetrachloroethylene	0.0018	--	--	1.8E+02	9.5E-01	1.0E-05	1.9E-09	1.0E+03	4.3E+01	1.8E-06	4.1E-10	1.5E+02	2.4E+02	1.2E-05	7.3E-11

Location ID	Depth (ft bgs)	Sample ID	Sample Date	CAS Number	Analyte	Soil Concentration (mg/kg)	Bkgd (mg/kg)	Within Bkgd?	Future Resident				Future Commercial Worker				Future Construction Worker			
									RBC _{soil-NC} (mg/kg)	RBC _{soil-C} (mg/kg)	Noncancer Hazard	Cancer Risk	RBC _{soil-NC} (mg/kg)	RBC _{soil-C} (mg/kg)	Noncancer Hazard	Cancer Risk	RBC _{soil-NC} (mg/kg)	RBC _{soil-C} (mg/kg)	Noncancer Hazard	Cancer Risk
LB1	8.5	LB1-8.5'	5/6/2016	7439-92-1	Lead, Pb	2	11.9	Yes	8.0E+01	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd
LB1	8.5	LB1-8.5'	5/6/2016	7440-47-3	Chromium, Cr	28.7	35.7	Yes	3.6E+04	--	Bkgd	Bkgd	1.7E+05	--	Bkgd	Bkgd	4.3E+04	--	Bkgd	Bkgd
LB1	8.5	LB1-8.5'	5/6/2016	7440-50-8	Copper, Cu	28.5	64.4	Yes	3.1E+03	--	Bkgd	Bkgd	4.7E+04	--	Bkgd	Bkgd	1.4E+04	--	Bkgd	Bkgd
LB1	8.5	LB1-8.5'	5/6/2016	7440-66-6	Zinc, Zn	74.7	359	Yes	2.3E+04	--	Bkgd	Bkgd	3.5E+05	--	Bkgd	Bkgd	1.1E+05	--	Bkgd	Bkgd
LB2	1	LB2-1'	5/6/2016	127-18-4	Tetrachloroethylene	0.028	--	--	1.8E+02	9.5E-01	1.6E-04	3.0E-08	1.0E+03	4.3E+01	2.8E-05	6.4E-09	1.5E+02	2.4E+02	1.9E-04	1.1E-09
LB2	1	LB2-1'	5/6/2016	7439-92-1	Lead, Pb	0.8	11.9	Yes	8.0E+01	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd
LB2	1	LB2-1'	5/6/2016	7440-47-3	Chromium, Cr	7	35.7	Yes	3.6E+04	--	Bkgd	Bkgd	1.7E+05	--	Bkgd	Bkgd	4.3E+04	--	Bkgd	Bkgd
LB2	1	LB2-1'	5/6/2016	7440-50-8	Copper, Cu	9.3	64.4	Yes	3.1E+03	--	Bkgd	Bkgd	4.7E+04	--	Bkgd	Bkgd	1.4E+04	--	Bkgd	Bkgd
LB2	1	LB2-1'	5/6/2016	7440-66-6	Zinc, Zn	27.4	359	Yes	2.3E+04	--	Bkgd	Bkgd	3.5E+05	--	Bkgd	Bkgd	1.1E+05	--	Bkgd	Bkgd
LB2	1	LB2-1'	5/6/2016	79-01-6	Trichloroethylene	0.0014	--	--	1.1E+01	2.5E+00	1.3E-04	5.5E-10	5.8E+01	1.7E+02	2.4E-05	8.3E-11	8.4E+00	6.6E+02	1.7E-04	2.1E-11
LB2	4.5	LB2-4.5'	5/6/2016	127-18-4	Tetrachloroethylene	0.0022	--	--	1.8E+02	9.5E-01	1.2E-05	2.3E-09	1.0E+03	4.3E+01	2.2E-06	5.1E-10	1.5E+02	2.4E+02	1.5E-05	9.0E-11
LB2	4.5	LB2-4.5'	5/6/2016	7439-92-1	Lead, Pb	1.4	11.9	Yes	8.0E+01	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd
LB2	4.5	LB2-4.5'	5/6/2016	7440-47-3	Chromium, Cr	8.1	35.7	Yes	3.6E+04	--	Bkgd	Bkgd	1.7E+05	--	Bkgd	Bkgd	4.3E+04	--	Bkgd	Bkgd
LB2	4.5	LB2-4.5'	5/6/2016	7440-50-8	Copper, Cu	17.9	64.4	Yes	3.1E+03	--	Bkgd	Bkgd	4.7E+04	--	Bkgd	Bkgd	1.4E+04	--	Bkgd	Bkgd
LB2	4.5	LB2-4.5'	5/6/2016	7440-66-6	Zinc, Zn	58.6	359	Yes	2.3E+04	--	Bkgd	Bkgd	3.5E+05	--	Bkgd	Bkgd	1.1E+05	--	Bkgd	Bkgd
LB2	8.5	LB2-8.5'	5/6/2016	127-18-4	Tetrachloroethylene	0.0022	--	--	1.8E+02	9.5E-01	1.2E-05	2.3E-09	1.0E+03	4.3E+01	2.2E-06	5.1E-10	1.5E+02	2.4E+02	1.5E-05	9.0E-11
LB2	8.5	LB2-8.5'	5/6/2016	7439-92-1	Lead, Pb	2.7	11.9	Yes	8.0E+01	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd
LB2	8.5	LB2-8.5'	5/6/2016	7440-47-3	Chromium, Cr	27.4	35.7	Yes	3.6E+04	--	Bkgd	Bkgd	1.7E+05	--	Bkgd	Bkgd	4.3E+04	--	Bkgd	Bkgd
LB2	8.5	LB2-8.5'	5/6/2016	7440-50-8	Copper, Cu	30.7	64.4	Yes	3.1E+03	--	Bkgd	Bkgd	4.7E+04	--	Bkgd	Bkgd	1.4E+04	--	Bkgd	Bkgd
LB2	8.5	LB2-8.5'	5/6/2016	7440-66-6	Zinc, Zn	71.5	359	Yes	2.3E+04	--	Bkgd	Bkgd	3.5E+05	--	Bkgd	Bkgd	1.1E+05	--	Bkgd	Bkgd
LB3	1	LB3-1'/LB3-1'-D	5/6/2016	7439-92-1	Lead, Pb	40.3	11.9	No	8.0E+01	--	--	--	3.2E+02	--	--	--	3.2E+02	--	--	--
LB3	1	LB3-1'/LB3-1'-D	5/6/2016	7440-50-8	Copper, Cu	64.4	64.4	No	3.1E+03	--	2.1E-02	--	4.7E+04	--	1.4E-03	--	1.4E+04	--	4.5E-03	--
LB3	1	LB3-1'/LB3-1'-D	5/6/2016	7440-66-6	Zinc, Zn	985	359	No	2.3E+04	--	4.2E-02	--	3.5E+05	--	2.8E-03	--	1.1E+05	--	9.3E-03	--
LB3	1	LB3-1'/LB3-1'-D	5/6/2016	127-18-4	Tetrachloroethylene	0.0467	--	--	1.8E+02	9.5E-01	2.6E-04	4.9E-08	1.0E+03	4.3E+01	4.6E-05	1.1E-08	1.5E+02	2.4E+02	3.1E-04	1.9E-09
LB3	1	LB3-1'/LB3-1'-D	5/6/2016	7440-47-3	Chromium, Cr	28.7	35.7	Yes	3.6E+04	--	Bkgd	Bkgd	1.7E+05	--	Bkgd	Bkgd	4.3E+04	--	Bkgd	Bkgd
LB3	4.5	LB3-4.5'	5/6/2016	127-18-4	Tetrachloroethylene	0.0196	--	--	1.8E+02	9.5E-01	1.1E-04	2.1E-08	1.0E+03	4.3E+01	1.9E-05	4.5E-09	1.5E+02	2.4E+02	1.3E-04	8.0E-10
LB3	4.5	LB3-4.5'	5/6/2016	7439-92-1	Lead, Pb	4.2	11.9	Yes	8.0E+01	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd
LB3	4.5	LB3-4.5'	5/6/2016	7440-47-3	Chromium, Cr	32.4	35.7	Yes	3.6E+04	--	Bkgd	Bkgd	1.7E+05	--	Bkgd	Bkgd	4.3E+04	--	Bkgd	Bkgd
LB3	4.5	LB3-4.5'	5/6/2016	7440-50-8	Copper, Cu	38.3	64.4	Yes	3.1E+03	--	Bkgd	Bkgd	4.7E+04	--	Bkgd	Bkgd	1.4E+04	--	Bkgd	Bkgd
LB3	4.5	LB3-4.5'	5/6/2016	7440-66-6	Zinc, Zn	77.2	359	Yes	2.3E+04	--	Bkgd	Bkgd	3.5E+05	--	Bkgd	Bkgd	1.1E+05	--	Bkgd	Bkgd
LB3	8.5	LB3-8.5'	5/6/2016	127-18-4	Tetrachloroethylene	0.0082	--	--	1.8E+02	9.5E-01	4.6E-05	8.6E-09	1.0E+03	4.3E+01	8.1E-06	1.9E-09	1.5E+02	2.4E+02	5.5E-05	3.3E-10
LB3	8.5	LB3-8.5'	5/6/2016	7439-92-1	Lead, Pb	0.9	11.9	Yes	8.0E+01	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd
LB3	8.5	LB3-8.5'	5/6/2016	7440-47-3	Chromium, Cr	6.6	35.7	Yes	3.6E+04	--	Bkgd	Bkgd	1.7E+05	--	Bkgd	Bkgd	4.3E+04	--	Bkgd	Bkgd
LB3	8.5	LB3-8.5'	5/6/2016	7440-50-8	Copper, Cu	6.8	64.4	Yes	3.1E+03	--	Bkgd	Bkgd	4.7E+04	--	Bkgd	Bkgd	1.4E+04	--	Bkgd	Bkgd
LB3	8.5	LB3-8.5'	5/6/2016	7440-66-6	Zinc, Zn	56.4	359	Yes	2.3E+04	--	Bkgd	Bkgd	3.5E+05	--	Bkgd	Bkgd	1.1E+05	--	Bkgd	Bkgd
LB4	1	LB4-1'	5/5/2016	127-18-4	Tetrachloroethylene	0.0044	--	--	1.8E+02	9.5E-01	2.5E-05	4.6E-09	1.0E+03	4.3E+01	4.4E-06	1.0E-09	1.5E+02	2.4E+02	3.0E-05	1.8E-10
LB4	1	LB4-1'	5/5/2016	7439-92-1	Lead, Pb	11.9	11.9	No	8.0E+01	--	--	--	3.2E+02	--	--	--	3.2E+02	--	--	--
LB4	1	LB4-1'	5/5/2016	7440-47-3	Chromium, Cr	19.1	35.7	Yes	3.6E+04	--	Bkgd	Bkgd	1.7E+05	--	Bkgd	Bkgd	4.3E+04	--	Bkgd	Bkgd
LB4	1	LB4-1'	5/5/2016	7440-50-8	Copper, Cu	61.3	64.4	Yes	3.1E+03	--	Bkgd	Bkgd	4.7E+04	--	Bkgd	Bkgd	1.4E+04	--	Bkgd	Bkgd
LB4	1	LB4-1'	5/5/2016	7440-66-6	Zinc, Zn	684	359	No	2.3E+04	--	2.9E-02	--	3.5E+05	--	2.0E-03	--	1.1E+05	--	6.4E-03	--
LB4	4.5	LB4-4.5'	5/5/2016	127-18-4	Tetrachloroethylene	0.0256	--	--	1.8E+02	9.5E-01	1.4E-04	2.7E-08	1.0E+03	4.3E+01	2.5E-05	5.9E-09	1.5E+02	2.4E+02	1.7E-04	1.0E-09
LB4	4.5	LB4-4.5'	5/5/2016	7439-92-1	Lead, Pb	1.6	11.9	Yes	8.0E+01	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd
LB4	4.5	LB4-4.5'	5/5/2016	7440-47-3	Chromium, Cr	18.4	35.7	Yes	3.6E+04	--	Bkgd	Bkgd	1.7E+05	--	Bkgd	Bkgd	4.3E+04	--	Bkgd	Bkgd

Location ID	Depth (ft bgs)	Sample ID	Sample Date	CAS Number	Analyte	Soil Concentration (mg/kg)	Bkgd (mg/kg)	Within Bkgd?	Future Resident				Future Commercial Worker				Future Construction Worker			
									RBC _{soil-NC} (mg/kg)	RBC _{soil-C} (mg/kg)	Noncancer Hazard	Cancer Risk	RBC _{soil-NC} (mg/kg)	RBC _{soil-C} (mg/kg)	Noncancer Hazard	Cancer Risk	RBC _{soil-NC} (mg/kg)	RBC _{soil-C} (mg/kg)	Noncancer Hazard	Cancer Risk
LB4	4.5	LB4-4.5'	5/5/2016	7440-50-8	Copper, Cu	21.7	64.4	Yes	3.1E+03	--	Bkgd	Bkgd	4.7E+04	--	Bkgd	Bkgd	1.4E+04	--	Bkgd	Bkgd
LB4	4.5	LB4-4.5'	5/5/2016	7440-66-6	Zinc, Zn	48	359	Yes	2.3E+04	--	Bkgd	Bkgd	3.5E+05	--	Bkgd	Bkgd	1.1E+05	--	Bkgd	Bkgd
LB4	8.5	LB4-8.5'	5/5/2016	127-18-4	Tetrachloroethylene	0.0054	--	--	1.8E+02	9.5E-01	3.0E-05	5.7E-09	1.0E+03	4.3E+01	5.4E-06	1.2E-09	1.5E+02	2.4E+02	3.6E-05	2.2E-10
LB4	8.5	LB4-8.5'	5/5/2016	7439-92-1	Lead, Pb	1.6	11.9	Yes	8.0E+01	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd
LB4	8.5	LB4-8.5'	5/5/2016	7440-47-3	Chromium, Cr	19.6	35.7	Yes	3.6E+04	--	Bkgd	Bkgd	1.7E+05	--	Bkgd	Bkgd	4.3E+04	--	Bkgd	Bkgd
LB4	8.5	LB4-8.5'	5/5/2016	7440-50-8	Copper, Cu	22.2	64.4	Yes	3.1E+03	--	Bkgd	Bkgd	4.7E+04	--	Bkgd	Bkgd	1.4E+04	--	Bkgd	Bkgd
LB4	8.5	LB4-8.5'	5/5/2016	7440-66-6	Zinc, Zn	46.1	359	Yes	2.3E+04	--	Bkgd	Bkgd	3.5E+05	--	Bkgd	Bkgd	1.1E+05	--	Bkgd	Bkgd
LB5	1	LB5-1'/LB5-1D	5/5/2016	7439-92-1	Lead, Pb	4.9	11.9	Yes	8.0E+01	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd
LB5	1	LB5-1'/LB5-1D	5/5/2016	7440-47-3	Chromium, Cr	27.2	35.7	Yes	3.6E+04	--	Bkgd	Bkgd	1.7E+05	--	Bkgd	Bkgd	4.3E+04	--	Bkgd	Bkgd
LB5	1	LB5-1'/LB5-1D	5/5/2016	7440-50-8	Copper, Cu	33.4	64.4	Yes	3.1E+03	--	Bkgd	Bkgd	4.7E+04	--	Bkgd	Bkgd	1.4E+04	--	Bkgd	Bkgd
LB5	1	LB5-1'/LB5-1D	5/5/2016	7440-66-6	Zinc, Zn	87.7	359	Yes	2.3E+04	--	Bkgd	Bkgd	3.5E+05	--	Bkgd	Bkgd	1.1E+05	--	Bkgd	Bkgd
LB5	4.5	LB5-4.5'	5/5/2016	127-18-4	Tetrachloroethylene	0.0212	--	--	1.8E+02	9.5E-01	1.2E-04	2.2E-08	1.0E+03	4.3E+01	2.1E-05	4.9E-09	1.5E+02	2.4E+02	1.4E-04	8.7E-10
LB5	4.5	LB5-4.5'	5/5/2016	7439-92-1	Lead, Pb	2.7	11.9	Yes	8.0E+01	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd
LB5	4.5	LB5-4.5'	5/5/2016	7440-47-3	Chromium, Cr	26.9	35.7	Yes	3.6E+04	--	Bkgd	Bkgd	1.7E+05	--	Bkgd	Bkgd	4.3E+04	--	Bkgd	Bkgd
LB5	4.5	LB5-4.5'	5/5/2016	7440-50-8	Copper, Cu	30.9	64.4	Yes	3.1E+03	--	Bkgd	Bkgd	4.7E+04	--	Bkgd	Bkgd	1.4E+04	--	Bkgd	Bkgd
LB5	4.5	LB5-4.5'	5/5/2016	7440-66-6	Zinc, Zn	65.2	359	Yes	2.3E+04	--	Bkgd	Bkgd	3.5E+05	--	Bkgd	Bkgd	1.1E+05	--	Bkgd	Bkgd
LB5	4.5	LB5-4.5'	5/5/2016	79-01-6	Trichloroethylene	0.0053	--	--	1.1E+01	2.5E+00	4.7E-04	2.1E-09	5.8E+01	1.7E+02	9.1E-05	3.2E-10	8.4E+00	6.6E+02	6.3E-04	8.1E-11
LB5	8.5	LB5-8.5'	5/5/2016	127-18-4	Tetrachloroethylene	0.0039	--	--	1.8E+02	9.5E-01	2.2E-05	4.1E-09	1.0E+03	4.3E+01	3.9E-06	9.0E-10	1.5E+02	2.4E+02	2.6E-05	1.6E-10
LB5	8.5	LB5-8.5'	5/5/2016	7439-92-1	Lead, Pb	4.6	11.9	Yes	8.0E+01	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd
LB5	8.5	LB5-8.5'	5/5/2016	7440-47-3	Chromium, Cr	35.4	35.7	Yes	3.6E+04	--	Bkgd	Bkgd	1.7E+05	--	Bkgd	Bkgd	4.3E+04	--	Bkgd	Bkgd
LB5	8.5	LB5-8.5'	5/5/2016	7440-50-8	Copper, Cu	37.6	64.4	Yes	3.1E+03	--	Bkgd	Bkgd	4.7E+04	--	Bkgd	Bkgd	1.4E+04	--	Bkgd	Bkgd
LB5	8.5	LB5-8.5'	5/5/2016	7440-66-6	Zinc, Zn	79.2	359	Yes	2.3E+04	--	Bkgd	Bkgd	3.5E+05	--	Bkgd	Bkgd	1.1E+05	--	Bkgd	Bkgd
LB6	1	LB6-1'	5/5/2016	127-18-4	Tetrachloroethylene	0.001	--	--	1.8E+02	9.5E-01	5.6E-06	1.1E-09	1.0E+03	4.3E+01	9.9E-07	2.3E-10	1.5E+02	2.4E+02	6.7E-06	4.1E-11
LB6	1	LB6-1'	5/5/2016	7439-92-1	Lead, Pb	4.2	11.9	Yes	8.0E+01	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd
LB6	1	LB6-1'	5/5/2016	7440-47-3	Chromium, Cr	35.7	35.7	No	3.6E+04	--	9.8E-04	--	1.7E+05	--	2.1E-04	--	4.3E+04	--	8.2E-04	--
LB6	1	LB6-1'	5/5/2016	7440-50-8	Copper, Cu	45.6	64.4	Yes	3.1E+03	--	Bkgd	Bkgd	4.7E+04	--	Bkgd	Bkgd	1.4E+04	--	Bkgd	Bkgd
LB6	1	LB6-1'	5/5/2016	7440-66-6	Zinc, Zn	81.7	359	Yes	2.3E+04	--	Bkgd	Bkgd	3.5E+05	--	Bkgd	Bkgd	1.1E+05	--	Bkgd	Bkgd
LB6	5	LB6-5'	5/5/2016	7439-92-1	Lead, Pb	2.7	11.9	Yes	8.0E+01	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd
LB6	5	LB6-5'	5/5/2016	7440-47-3	Chromium, Cr	30.1	35.7	Yes	3.6E+04	--	Bkgd	Bkgd	1.7E+05	--	Bkgd	Bkgd	4.3E+04	--	Bkgd	Bkgd
LB6	5	LB6-5'	5/5/2016	7440-50-8	Copper, Cu	32.6	64.4	Yes	3.1E+03	--	Bkgd	Bkgd	4.7E+04	--	Bkgd	Bkgd	1.4E+04	--	Bkgd	Bkgd
LB6	5	LB6-5'	5/5/2016	7440-66-6	Zinc, Zn	73.7	359	Yes	2.3E+04	--	Bkgd	Bkgd	3.5E+05	--	Bkgd	Bkgd	1.1E+05	--	Bkgd	Bkgd
LB6	11	LB6-11'	5/5/2016	7439-92-1	Lead, Pb	3.2	11.9	Yes	8.0E+01	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd
LB6	11	LB6-11'	5/5/2016	7440-47-3	Chromium, Cr	28.7	35.7	Yes	3.6E+04	--	Bkgd	Bkgd	1.7E+05	--	Bkgd	Bkgd	4.3E+04	--	Bkgd	Bkgd
LB6	11	LB6-11'	5/5/2016	7440-50-8	Copper, Cu	33.3	64.4	Yes	3.1E+03	--	Bkgd	Bkgd	4.7E+04	--	Bkgd	Bkgd	1.4E+04	--	Bkgd	Bkgd
LB6	11	LB6-11'	5/5/2016	7440-66-6	Zinc, Zn	68.8	359	Yes	2.3E+04	--	Bkgd	Bkgd	3.5E+05	--	Bkgd	Bkgd	1.1E+05	--	Bkgd	Bkgd
LB7	1	LB7-1'	5/5/2016	127-18-4	Tetrachloroethylene	0.0035	--	--	1.8E+02	9.5E-01	2.0E-05	3.7E-09	1.0E+03	4.3E+01	3.5E-06	8.0E-10	1.5E+02	2.4E+02	2.3E-05	1.4E-10
LB7	1	LB7-1'	5/5/2016	7439-92-1	Lead, Pb	5.2	11.9	Yes	8.0E+01	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd
LB7	1	LB7-1'	5/5/2016	7440-47-3	Chromium, Cr	24.7	35.7	Yes	3.6E+04	--	Bkgd	Bkgd	1.7E+05	--	Bkgd	Bkgd	4.3E+04	--	Bkgd	Bkgd
LB7	1	LB7-1'	5/5/2016	7440-50-8	Copper, Cu	25.8	64.4	Yes	3.1E+03	--	Bkgd	Bkgd	4.7E+04	--	Bkgd	Bkgd	1.4E+04	--	Bkgd	Bkgd
LB7	1	LB7-1'	5/5/2016	7440-66-6	Zinc, Zn	73.2	359	Yes	2.3E+04	--	Bkgd	Bkgd	3.5E+05	--	Bkgd	Bkgd	1.1E+05	--	Bkgd	Bkgd
LB7	5	LB7-5'	5/5/2016	7439-92-1	Lead, Pb	3.1	11.9	Yes	8.0E+01	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd
LB7	5	LB7-5'	5/5/2016	7440-47-3	Chromium, Cr	29.1	35.7	Yes	3.6E+04	--	Bkgd	Bkgd	1.7E+05	--	Bkgd	Bkgd	4.3E+04	--	Bkgd	Bkgd
LB7	5	LB7-5'	5/5/2016	7440-50-8	Copper, Cu	30.2	64.4	Yes	3.1E+03	--	Bkgd	Bkgd	4.7E+04	--	Bkgd	Bkgd	1.4E+04	--	Bkgd	Bkgd

Location ID	Depth (ft bgs)	Sample ID	Sample Date	CAS Number	Analyte	Soil Concentration (mg/kg)	Bkgd (mg/kg)	Within Bkgd?	Future Resident				Future Commercial Worker				Future Construction Worker			
									RBC _{soil-NC} (mg/kg)	RBC _{soil-C} (mg/kg)	Noncancer Hazard	Cancer Risk	RBC _{soil-NC} (mg/kg)	RBC _{soil-C} (mg/kg)	Noncancer Hazard	Cancer Risk	RBC _{soil-NC} (mg/kg)	RBC _{soil-C} (mg/kg)	Noncancer Hazard	Cancer Risk
LB7	5	LB7-5'	5/5/2016	7440-66-6	Zinc, Zn	74.5	359	Yes	2.3E+04	--	Bkgd	Bkgd	3.5E+05	--	Bkgd	Bkgd	1.1E+05	--	Bkgd	Bkgd
LB7	11	LB7-11'	5/5/2016	127-18-4	Tetrachloroethylene	0.001	--	--	1.8E+02	9.5E-01	5.6E-06	1.1E-09	1.0E+03	4.3E+01	9.9E-07	2.3E-10	1.5E+02	2.4E+02	6.7E-06	4.1E-11
LB7	11	LB7-11'	5/5/2016	7439-92-1	Lead, Pb	2.4	11.9	Yes	8.0E+01	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd
LB7	11	LB7-11'	5/5/2016	7440-47-3	Chromium, Cr	27.3	35.7	Yes	3.6E+04	--	Bkgd	Bkgd	1.7E+05	--	Bkgd	Bkgd	4.3E+04	--	Bkgd	Bkgd
LB7	11	LB7-11'	5/5/2016	7440-50-8	Copper, Cu	26.8	64.4	Yes	3.1E+03	--	Bkgd	Bkgd	4.7E+04	--	Bkgd	Bkgd	1.4E+04	--	Bkgd	Bkgd
LB7	11	LB7-11'	5/5/2016	7440-66-6	Zinc, Zn	57.8	359	Yes	2.3E+04	--	Bkgd	Bkgd	3.5E+05	--	Bkgd	Bkgd	1.1E+05	--	Bkgd	Bkgd
LB8	1	LB8-1'	5/5/2016	127-18-4	Tetrachloroethylene	0.187	--	--	1.8E+02	9.5E-01	1.1E-03	2.0E-07	1.0E+03	4.3E+01	1.9E-04	4.3E-08	1.5E+02	2.4E+02	1.3E-03	7.6E-09
LB8	1	LB8-1'	5/5/2016	71-55-6	1,1,1-Trichloroethane	0.0209	--	--	5.4E+03	--	3.9E-06	--	2.3E+04	--	9.2E-07	--	3.1E+03	--	6.7E-06	--
LB8	1	LB8-1'	5/5/2016	7439-92-1	Lead, Pb	8.2	11.9	Yes	8.0E+01	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd
LB8	1	LB8-1'	5/5/2016	7440-47-3	Chromium, Cr	27.7	35.7	Yes	3.6E+04	--	Bkgd	Bkgd	1.7E+05	--	Bkgd	Bkgd	4.3E+04	--	Bkgd	Bkgd
LB8	1	LB8-1'	5/5/2016	7440-50-8	Copper, Cu	29.4	64.4	Yes	3.1E+03	--	Bkgd	Bkgd	4.7E+04	--	Bkgd	Bkgd	1.4E+04	--	Bkgd	Bkgd
LB8	1	LB8-1'	5/5/2016	7440-66-6	Zinc, Zn	83.4	359	Yes	2.3E+04	--	Bkgd	Bkgd	3.5E+05	--	Bkgd	Bkgd	1.1E+05	--	Bkgd	Bkgd
LB8	1	LB8-1'	5/5/2016	79-01-6	Trichloroethylene	0.0017	--	--	1.1E+01	2.5E+00	1.5E-04	6.7E-10	5.8E+01	1.7E+02	2.9E-05	1.0E-10	8.4E+00	6.6E+02	2.0E-04	2.6E-11
LB8	5	LB8-5'	5/5/2016	127-18-4	Tetrachloroethylene	0.0215	--	--	1.8E+02	9.5E-01	1.2E-04	2.3E-08	1.0E+03	4.3E+01	2.1E-05	4.9E-09	1.5E+02	2.4E+02	1.4E-04	8.8E-10
LB8	5	LB8-5'	5/5/2016	71-55-6	1,1,1-Trichloroethane	0.0041	--	--	5.4E+03	--	7.6E-07	--	2.3E+04	--	1.8E-07	--	3.1E+03	--	1.3E-06	--
LB8	5	LB8-5'	5/5/2016	7439-92-1	Lead, Pb	4.2	11.9	Yes	8.0E+01	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd
LB8	5	LB8-5'	5/5/2016	7440-47-3	Chromium, Cr	35.1	35.7	Yes	3.6E+04	--	Bkgd	Bkgd	1.7E+05	--	Bkgd	Bkgd	4.3E+04	--	Bkgd	Bkgd
LB8	5	LB8-5'	5/5/2016	7440-50-8	Copper, Cu	38.2	64.4	Yes	3.1E+03	--	Bkgd	Bkgd	4.7E+04	--	Bkgd	Bkgd	1.4E+04	--	Bkgd	Bkgd
LB8	5	LB8-5'	5/5/2016	7440-66-6	Zinc, Zn	82	359	Yes	2.3E+04	--	Bkgd	Bkgd	3.5E+05	--	Bkgd	Bkgd	1.1E+05	--	Bkgd	Bkgd
LB8	11	LB8-11'	5/5/2016	127-18-4	Tetrachloroethylene	0.003	--	--	1.8E+02	9.5E-01	1.7E-05	3.2E-09	1.0E+03	4.3E+01	3.0E-06	6.9E-10	1.5E+02	2.4E+02	2.0E-05	1.2E-10
LB8	11	LB8-11'	5/5/2016	7439-92-1	Lead, Pb	2.7	11.9	Yes	8.0E+01	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd
LB8	11	LB8-11'	5/5/2016	7440-47-3	Chromium, Cr	30	35.7	Yes	3.6E+04	--	Bkgd	Bkgd	1.7E+05	--	Bkgd	Bkgd	4.3E+04	--	Bkgd	Bkgd
LB8	11	LB8-11'	5/5/2016	7440-50-8	Copper, Cu	31.3	64.4	Yes	3.1E+03	--	Bkgd	Bkgd	4.7E+04	--	Bkgd	Bkgd	1.4E+04	--	Bkgd	Bkgd
LB8	11	LB8-11'	5/5/2016	7440-66-6	Zinc, Zn	71.7	359	Yes	2.3E+04	--	Bkgd	Bkgd	3.5E+05	--	Bkgd	Bkgd	1.1E+05	--	Bkgd	Bkgd
SS-2	5	SS-2--5	6/28/2012	18540-29-9	Chromium, Hexavalent	1.1	--	--	2.3E+02	3.1E-01	4.7E-03	3.6E-06	3.5E+03	6.5E+01	3.1E-04	1.7E-07	6.7E+02	7.3E+01	1.6E-03	1.5E-07
SS-2	10	SS-2-10	6/28/2012	7440-47-3	Chromium, Cr	33	35.7	Yes	3.6E+04	--	Bkgd	Bkgd	1.7E+05	--	Bkgd	Bkgd	4.3E+04	--	Bkgd	Bkgd
SS-2	10	SS-2-10	6/28/2012	7440-50-8	Copper, Cu	244	64.4	No	3.1E+03	--	7.8E-02	--	4.7E+04	--	5.2E-03	--	1.4E+04	--	1.7E-02	--
SS-2	10	SS-2-10	6/28/2012	7439-92-1	Lead, Pb	1.67	11.9	Yes	8.0E+01	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd
SS-2	10	SS-2-10	6/28/2012	7440-66-6	Zinc, Zn	753	359	No	2.3E+04	--	3.2E-02	--	3.5E+05	--	2.1E-03	--	1.1E+05	--	7.1E-03	--
SS-2	10	SS-2-10	6/28/2012	18540-29-9	Chromium, Hexavalent	0.96	--	--	2.3E+02	3.1E-01	4.1E-03	3.1E-06	3.5E+03	6.5E+01	2.7E-04	1.5E-07	6.7E+02	7.3E+01	1.4E-03	1.3E-07
SS-3	10	SS-3-10	6/28/2012	7440-41-7	Beryllium	0.387	--	--	1.6E+02	1.3E+05	2.4E-03	2.9E-12	2.1E+02	5.9E+06	1.9E-03	6.6E-13	4.2E+01	5.3E+03	9.3E-03	7.3E-10
SS-3	10	SS-3-10	6/28/2012	7440-47-3	Chromium, Cr	22.6	35.7	Yes	3.6E+04	--	Bkgd	Bkgd	1.7E+05	--	Bkgd	Bkgd	4.3E+04	--	Bkgd	Bkgd
SS-3	10	SS-3-10	6/28/2012	7440-50-8	Copper, Cu	23.9	64.4	Yes	3.1E+03	--	Bkgd	Bkgd	4.7E+04	--	Bkgd	Bkgd	1.4E+04	--	Bkgd	Bkgd
SS-3	10	SS-3-10	6/28/2012	7439-92-1	Lead, Pb	1.89	11.9	Yes	8.0E+01	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd	3.2E+02	--	Bkgd	Bkgd
SS-3	10	SS-3-10	6/28/2012	7440-66-6	Zinc, Zn	63.8	359	Yes	2.3E+04	--	Bkgd	Bkgd	3.5E+05	--	Bkgd	Bkgd	1.1E+05	--	Bkgd	Bkgd
SS-5	5	SS-5-5	6/28/2012	18540-29-9	Chromium, Hexavalent	1.3	--	--	2.3E+02	3.1E-01	5.5E-03	4.2E-06	3.5E+03	6.5E+01	3.7E-04	2.0E-07	6.7E+02	7.3E+01	1.9E-03	1.8E-07

Boring ID	Sample Date	Sample Depth (ft bgs)	RBC Depth Assigned	CAS Number	Analyte	Concentration in Soil Vapor ($\mu\text{g}/\text{m}^3$)	Future Commercial Worker				Future Resident			
							RBC _{SV-C} ($\mu\text{g}/\text{m}^3$)	RBC _{SV-NC} ($\mu\text{g}/\text{m}^3$)	Cancer Risk	Noncancer Hazard	RBC _{SV-C} ($\mu\text{g}/\text{m}^3$)	RBC _{SV-NC} ($\mu\text{g}/\text{m}^3$)	Cancer Risk	Noncancer Hazard
A1	5/6/2016	16	15	71-55-6	1,1,1-Trichloroethane	203	--	5.2E+08	--	3.9E-07	--	4.1E+07	--	4.9E-06
A1	5/6/2016	16	15	95-63-6	1,2,4-Trimethylbenzene	288	--	3.9E+06	--	7.4E-05	--	3.1E+05	--	9.4E-04
A1	5/6/2016	16	15	108-67-8	1,3,5-Trimethylbenzene	144	--	2.2E+07	--	6.4E-06	--	1.8E+06	--	8.1E-05
A1	5/6/2016	16	15	99-87-6	4-Isopropyltoluene	51.8	--	2.1E+08	--	2.4E-07	--	1.7E+07	--	3.1E-06
A1	5/6/2016	16	15	75-71-8	Dichlorodifluoromethane	110	--	4.5E+07	--	2.5E-06	--	3.5E+06	--	3.1E-05
A1	5/6/2016	16	15	100-41-4	Ethylbenzene	84.2	5.5E+06	4.9E+08	1.5E-10	1.7E-07	4.2E+04	3.9E+07	2.0E-09	2.2E-06
A1	5/6/2016	16	15	104-51-8	n-Butylbenzene	11	--	1.3E+08	--	8.6E-08	--	1.0E+07	--	1.1E-06
A1	5/6/2016	16	15	103-65-1	n-Propylbenzene	16.2	--	5.6E+08	--	2.9E-08	--	4.5E+07	--	3.6E-07
A1	5/6/2016	16	15	127-18-4	Tetrachloroethylene	9860	3.1E+06	2.3E+07	3.2E-08	4.2E-04	2.3E+04	1.9E+06	4.2E-07	5.3E-03
A1	5/6/2016	16	15	108-88-3	Toluene	281	--	1.3E+08	--	2.2E-06	--	1.0E+07	--	2.7E-05
A1	5/6/2016	16	15	79-01-6	Trichloroethylene	143	3.4E+06	9.8E+05	4.3E-10	1.5E-04	1.8E+04	7.8E+04	8.0E-09	1.8E-03
A1	5/6/2016	16	15	1330-20-7	Xylenes	550	--	4.9E+07	--	1.1E-05	--	3.9E+06	--	1.4E-04
A2	5/6/2016	16	15	71-55-6	1,1,1-Trichloroethane	182	--	5.2E+08	--	3.5E-07	--	4.1E+07	--	4.4E-06
A2	5/6/2016	16	15	95-63-6	1,2,4-Trimethylbenzene	329	--	3.9E+06	--	8.5E-05	--	3.1E+05	--	1.1E-03
A2	5/6/2016	16	15	108-67-8	1,3,5-Trimethylbenzene	174	--	2.2E+07	--	7.8E-06	--	1.8E+06	--	9.8E-05
A2	5/6/2016	16	15	99-87-6	4-Isopropyltoluene	50	--	2.1E+08	--	2.3E-07	--	1.7E+07	--	3.0E-06
A2	5/6/2016	16	15	75-71-8	Dichlorodifluoromethane	111	--	4.5E+07	--	2.5E-06	--	3.5E+06	--	3.1E-05
A2	5/6/2016	16	15	100-41-4	Ethylbenzene	85.8	5.5E+06	4.9E+08	1.6E-10	1.7E-07	4.2E+04	3.9E+07	2.0E-09	2.2E-06
A2	5/6/2016	16	15	103-65-1	n-Propylbenzene	16.4	--	5.6E+08	--	2.9E-08	--	4.5E+07	--	3.7E-07
A2	5/6/2016	16	15	127-18-4	Tetrachloroethylene	6680	3.1E+06	2.3E+07	2.2E-08	2.9E-04	2.3E+04	1.9E+06	2.9E-07	3.6E-03
A2	5/6/2016	16	15	108-88-3	Toluene	244	--	1.3E+08	--	1.9E-06	--	1.0E+07	--	2.4E-05
A2	5/6/2016	16	15	79-01-6	Trichloroethylene	110	3.4E+06	9.8E+05	3.3E-10	1.1E-04	1.8E+04	7.8E+04	6.1E-09	1.4E-03
A2	5/6/2016	16	15	1330-20-7	Xylenes	590	--	4.9E+07	--	1.2E-05	--	3.9E+06	--	1.5E-04
A3	5/6/2016	20.5	20	75-71-8	Dichlorodifluoromethane	109	--	5.1E+07	--	2.1E-06	--	4.0E+06	--	2.7E-05
A3	5/6/2016	20.5	20	127-18-4	Tetrachloroethylene	56500	3.5E+06	2.7E+07	1.6E-07	2.1E-03	2.7E+04	2.1E+06	2.1E-06	2.7E-02
A3	5/6/2016	20.5	20	108-88-3	Toluene	15	--	1.5E+08	--	1.0E-07	--	1.2E+07	--	1.3E-06
A3	5/6/2016	20.5	20	79-01-6	Trichloroethylene	59.8	3.8E+06	1.1E+06	1.6E-10	5.3E-05	2.0E+04	8.9E+04	2.9E-09	6.7E-04
A4	5/6/2016	20.5	20	630-20-6	1,1,1,2-Tetrachloroethane	243	2.9E+06	9.3E+07	8.3E-10	2.6E-06	2.2E+04	7.4E+06	1.1E-08	3.3E-05
A4	5/6/2016	20.5	20	95-63-6	1,2,4-Trimethylbenzene	11	--	4.4E+06	--	2.5E-06	--	3.5E+05	--	3.1E-05
A4	5/6/2016	20.5	20	99-87-6	4-Isopropyltoluene	18.8	--	2.4E+08	--	7.8E-08	--	1.9E+07	--	9.8E-07
A4	5/6/2016	20.5	20	67-66-3	Chloroform	47.4	6.0E+05	4.9E+07	7.8E-10	9.7E-07	4.6E+03	3.9E+06	1.0E-08	1.2E-05
A4	5/6/2016	20.5	20	75-71-8	Dichlorodifluoromethane	191	--	5.1E+07	--	3.8E-06	--	4.0E+06	--	4.7E-05
A4	5/6/2016	20.5	20	127-18-4	Tetrachloroethylene	1080000	3.5E+06	2.7E+07	3.1E-06	4.1E-02	2.7E+04	2.1E+06	4.1E-05	5.1E-01
A4	5/6/2016	20.5	20	108-88-3	Toluene	9.4	--	1.5E+08	--	6.4E-08	--	1.2E+07	--	8.0E-07
A4	5/6/2016	20.5	20	79-01-6	Trichloroethylene	4350	3.8E+06	1.1E+06	1.1E-08	3.9E-03	2.0E+04	8.9E+04	2.1E-07	4.9E-02

Boring ID	Sample Date	Sample Depth (ft bgs)	RBC Depth Assigned	CAS Number	Analyte	Concentration in Soil Vapor ($\mu\text{g}/\text{m}^3$)	Future Commercial Worker				Future Resident			
							RBC _{SV-C} ($\mu\text{g}/\text{m}^3$)	RBC _{SV-NC} ($\mu\text{g}/\text{m}^3$)	Cancer Risk	Noncancer Hazard	RBC _{SV-C} ($\mu\text{g}/\text{m}^3$)	RBC _{SV-NC} ($\mu\text{g}/\text{m}^3$)	Cancer Risk	Noncancer Hazard
A4	5/6/2016	20.5	20	1330-20-7	Xylenes	8	--	5.6E+07	--	1.4E-07	--	4.4E+06	--	1.8E-06
A5	5/6/2016	20.5	20	630-20-6	1,1,1,2-Tetrachloroethane	847	2.9E+06	9.3E+07	2.9E-09	9.1E-06	2.2E+04	7.4E+06	3.8E-08	1.1E-04
A5	5/6/2016	20.5	20	71-55-6	1,1,1-Trichloroethane	26.6	--	5.9E+08	--	4.5E-08	--	4.7E+07	--	5.7E-07
A5	5/6/2016	20.5	20	71-43-2	Benzene	20.2	4.1E+05	1.3E+06	4.9E-10	1.6E-05	3.2E+03	1.0E+05	6.4E-09	2.0E-04
A5	5/6/2016	20.5	20	108-90-7	Chlorobenzene	9	--	2.6E+07	--	3.4E-07	--	2.1E+06	--	4.3E-06
A5	5/6/2016	20.5	20	67-66-3	Chloroform	121	6.0E+05	4.9E+07	2.0E-09	2.5E-06	4.6E+03	3.9E+06	2.6E-08	3.1E-05
A5	5/6/2016	20.5	20	75-71-8	Dichlorodifluoromethane	331	--	5.1E+07	--	6.5E-06	--	4.0E+06	--	8.2E-05
A5	5/6/2016	20.5	20	76-13-1	Freon 113	66.4	--	3.1E+10	--	2.2E-09	--	2.4E+09	--	2.7E-08
A5	5/6/2016	20.5	20	127-18-4	Tetrachloroethylene	3120000	3.5E+06	2.7E+07	8.9E-06	1.2E-01	2.7E+04	2.1E+06	1.2E-04	1.5E+00
A5	5/6/2016	20.5	20	108-88-3	Toluene	84	--	1.5E+08	--	5.7E-07	--	1.2E+07	--	7.2E-06
A5	5/6/2016	20.5	20	79-01-6	Trichloroethylene	8400	3.8E+06	1.1E+06	2.2E-08	7.5E-03	2.0E+04	8.9E+04	4.1E-07	9.5E-02
A6	5/6/2016	20.5	20	71-55-6	1,1,1-Trichloroethane	10.8	--	5.9E+08	--	1.8E-08	--	4.7E+07	--	2.3E-07
A6	5/6/2016	20.5	20	95-63-6	1,2,4-Trimethylbenzene	31.8	--	4.4E+06	--	7.2E-06	--	3.5E+05	--	9.1E-05
A6	5/6/2016	20.5	20	71-43-2	Benzene	20.8	4.1E+05	1.3E+06	5.0E-10	1.6E-05	3.2E+03	1.0E+05	6.6E-09	2.0E-04
A6	5/6/2016	20.5	20	67-66-3	Chloroform	34.8	6.0E+05	4.9E+07	5.8E-10	7.2E-07	4.6E+03	3.9E+06	7.6E-09	9.0E-06
A6	5/6/2016	20.5	20	75-71-8	Dichlorodifluoromethane	505	--	5.1E+07	--	9.9E-06	--	4.0E+06	--	1.3E-04
A6	5/6/2016	20.5	20	100-41-4	Ethylbenzene	34.2	6.3E+06	5.6E+08	5.5E-11	6.1E-08	4.8E+04	4.4E+07	7.1E-10	7.7E-07
A6	5/6/2016	20.5	20	76-13-1	Freon 113	124	--	3.1E+10	--	4.0E-09	--	2.4E+09	--	5.1E-08
A6	5/6/2016	20.5	20	127-18-4	Tetrachloroethylene	105000	3.5E+06	2.7E+07	3.0E-07	4.0E-03	2.7E+04	2.1E+06	3.9E-06	5.0E-02
A6	5/6/2016	20.5	20	108-88-3	Toluene	234	--	1.5E+08	--	1.6E-06	--	1.2E+07	--	2.0E-05
A6	5/6/2016	20.5	20	79-01-6	Trichloroethylene	2020	3.8E+06	1.1E+06	5.3E-09	1.8E-03	2.0E+04	8.9E+04	9.9E-08	2.3E-02
A6	5/6/2016	20.5	20	1330-20-7	Xylenes	187	--	5.6E+07	--	3.3E-06	--	4.4E+06	--	4.2E-05
A7	5/6/2016	20.5	20	71-55-6	1,1,1-Trichloroethane	22.2	--	5.9E+08	--	3.7E-08	--	4.7E+07	--	4.7E-07
A7	5/6/2016	20.5	20	67-66-3	Chloroform	101	6.0E+05	4.9E+07	1.7E-09	2.1E-06	4.6E+03	3.9E+06	2.2E-08	2.6E-05
A7	5/6/2016	20.5	20	156-59-2	cis-1,2-Dichloroethene	21.6	--	3.5E+06	--	6.2E-06	--	2.8E+05	--	7.9E-05
A7	5/6/2016	20.5	20	75-71-8	Dichlorodifluoromethane	978	--	5.1E+07	--	1.9E-05	--	4.0E+06	--	2.4E-04
A7	5/6/2016	20.5	20	76-13-1	Freon 113	290	--	3.1E+10	--	9.5E-09	--	2.4E+09	--	1.2E-07
A7	5/6/2016	20.5	20	127-18-4	Tetrachloroethylene	38000	3.5E+06	2.7E+07	1.1E-07	1.4E-03	2.7E+04	2.1E+06	1.4E-06	1.8E-02
A7	5/6/2016	20.5	20	79-01-6	Trichloroethylene	40500	3.8E+06	1.1E+06	1.1E-07	3.6E-02	2.0E+04	8.9E+04	2.0E-06	4.6E-01
A7	5/6/2016	20.5	20	75-69-4	Trichlorofluoromethane	29.4	--	7.1E+08	--	4.2E-08	--	5.6E+07	--	5.2E-07
A8	5/6/2016	20.5	20	71-55-6	1,1,1-Trichloroethane	15	--	5.9E+08	--	2.5E-08	--	4.7E+07	--	3.2E-07
A8	5/6/2016	20.5	20	95-63-6	1,2,4-Trimethylbenzene	47.6	--	4.4E+06	--	1.1E-05	--	3.5E+05	--	1.4E-04
A8	5/6/2016	20.5	20	99-87-6	4-Isopropyltoluene	38.8	--	2.4E+08	--	1.6E-07	--	1.9E+07	--	2.0E-06
A8	5/6/2016	20.5	20	71-43-2	Benzene	29	4.1E+05	1.3E+06	7.0E-10	2.3E-05	3.2E+03	1.0E+05	9.2E-09	2.8E-04
A8	5/6/2016	20.5	20	67-66-3	Chloroform	21.8	6.0E+05	4.9E+07	3.6E-10	4.5E-07	4.6E+03	3.9E+06	4.7E-09	5.6E-06

Boring ID	Sample Date	Sample Depth (ft bgs)	RBC Depth Assigned	CAS Number	Analyte	Concentration in Soil Vapor ($\mu\text{g}/\text{m}^3$)	Future Commercial Worker				Future Resident			
							RBC _{SV-C} ($\mu\text{g}/\text{m}^3$)	RBC _{SV-NC} ($\mu\text{g}/\text{m}^3$)	Cancer Risk	Noncancer Hazard	RBC _{SV-C} ($\mu\text{g}/\text{m}^3$)	RBC _{SV-NC} ($\mu\text{g}/\text{m}^3$)	Cancer Risk	Noncancer Hazard
A8	5/6/2016	20.5	20	75-71-8	Dichlorodifluoromethane	326	--	5.1E+07	--	6.4E-06	--	4.0E+06	--	8.1E-05
A8	5/6/2016	20.5	20	100-41-4	Ethylbenzene	35.4	6.3E+06	5.6E+08	5.6E-11	6.3E-08	4.8E+04	4.4E+07	7.4E-10	8.0E-07
A8	5/6/2016	20.5	20	76-13-1	Freon 113	90.2	--	3.1E+10	--	2.9E-09	--	2.4E+09	--	3.7E-08
A8	5/6/2016	20.5	20	127-18-4	Tetrachloroethylene	12900	3.5E+06	2.7E+07	3.7E-08	4.9E-04	2.7E+04	2.1E+06	4.8E-07	6.1E-03
A8	5/6/2016	20.5	20	108-88-3	Toluene	204	--	1.5E+08	--	1.4E-06	--	1.2E+07	--	1.7E-05
A8	5/6/2016	20.5	20	79-01-6	Trichloroethylene	1820	3.8E+06	1.1E+06	4.8E-09	1.6E-03	2.0E+04	8.9E+04	8.9E-08	2.1E-02
A8	5/6/2016	20.5	20	1330-20-7	Xylenes	213	--	5.6E+07	--	3.8E-06	--	4.4E+06	--	4.8E-05
A9	5/6/2016	30.5	30	75-35-4	1,1-Dichloroethene	345	--	3.9E+07	--	8.9E-06	--	3.1E+06	--	1.1E-04
A9	5/6/2016	30.5	30	67-66-3	Chloroform	29.2	7.5E+05	6.0E+07	3.9E-10	4.8E-07	5.7E+03	4.8E+06	5.1E-09	6.1E-06
A9	5/6/2016	30.5	30	75-71-8	Dichlorodifluoromethane	454	--	6.3E+07	--	7.2E-06	--	5.0E+06	--	9.1E-05
A9	5/6/2016	30.5	30	76-13-1	Freon 113	122	--	3.8E+10	--	3.2E-09	--	3.0E+09	--	4.0E-08
A9	5/6/2016	30.5	30	127-18-4	Tetrachloroethylene	8010	4.3E+06	3.3E+07	1.9E-08	2.4E-04	3.3E+04	2.6E+06	2.4E-07	3.1E-03
A9	5/6/2016	30.5	30	79-01-6	Trichloroethylene	2140	4.7E+06	1.4E+06	4.5E-09	1.5E-03	2.5E+04	1.1E+05	8.5E-08	1.9E-02
A10	5/6/2016	30.5	30	71-55-6	1,1,1-Trichloroethane	19.4	--	7.4E+08	--	2.6E-08	--	5.8E+07	--	3.3E-07
A10	5/6/2016	30.5	30	75-71-8	Dichlorodifluoromethane	307	--	6.3E+07	--	4.9E-06	--	5.0E+06	--	6.1E-05
A10	5/6/2016	30.5	30	76-13-1	Freon 113	94.4	--	3.8E+10	--	2.5E-09	--	3.0E+09	--	3.1E-08
A10	5/6/2016	30.5	30	127-18-4	Tetrachloroethylene	8810	4.3E+06	3.3E+07	2.0E-08	2.7E-04	3.3E+04	2.6E+06	2.7E-07	3.4E-03
A10	5/6/2016	30.5	30	108-88-3	Toluene	60.6	--	1.8E+08	--	3.3E-07	--	1.5E+07	--	4.2E-06
A10	5/6/2016	30.5	30	79-01-6	Trichloroethylene	801	4.7E+06	1.4E+06	1.7E-09	5.8E-04	2.5E+04	1.1E+05	3.2E-08	7.3E-03
A10	5/6/2016	30.5	30	1330-20-7	Xylenes	31.4	--	6.9E+07	--	4.5E-07	--	5.5E+06	--	5.7E-06
A11	5/6/2016	20.5	20	71-55-6	1,1,1-Trichloroethane	25.8	--	5.9E+08	--	4.4E-08	--	4.7E+07	--	5.5E-07
A11	5/6/2016	20.5	20	95-63-6	1,2,4-Trimethylbenzene	22.2	--	4.4E+06	--	5.0E-06	--	3.5E+05	--	6.3E-05
A11	5/6/2016	20.5	20	75-71-8	Dichlorodifluoromethane	66	--	5.1E+07	--	1.3E-06	--	4.0E+06	--	1.6E-05
A11	5/6/2016	20.5	20	127-18-4	Tetrachloroethylene	1800	3.5E+06	2.7E+07	5.2E-09	6.8E-05	2.7E+04	2.1E+06	6.8E-08	8.5E-04
A11	5/6/2016	20.5	20	108-88-3	Toluene	67.6	--	1.5E+08	--	4.6E-07	--	1.2E+07	--	5.8E-06
A11	5/6/2016	20.5	20	79-01-6	Trichloroethylene	30.8	3.8E+06	1.1E+06	8.1E-11	2.8E-05	2.0E+04	8.9E+04	1.5E-09	3.5E-04
A11	5/6/2016	20.5	20	1330-20-7	Xylenes	59	--	5.6E+07	--	1.1E-06	--	4.4E+06	--	1.3E-05
A12	5/6/2016	17	15	71-55-6	1,1,1-Trichloroethane	146	--	5.2E+08	--	2.8E-07	--	4.1E+07	--	3.5E-06
A12	5/6/2016	17	15	75-71-8	Dichlorodifluoromethane	38.8	--	4.5E+07	--	8.7E-07	--	3.5E+06	--	1.1E-05
A12	5/6/2016	17	15	127-18-4	Tetrachloroethylene	972	3.1E+06	2.3E+07	3.2E-09	4.2E-05	2.3E+04	1.9E+06	4.2E-08	5.2E-04
A12	5/6/2016	17	15	108-88-3	Toluene	72	--	1.3E+08	--	5.5E-07	--	1.0E+07	--	7.0E-06
A12	5/6/2016	17	15	79-01-6	Trichloroethylene	94.4	3.4E+06	9.8E+05	2.8E-10	9.6E-05	1.8E+04	7.8E+04	5.3E-09	1.2E-03
A12	5/6/2016	17	15	1330-20-7	Xylenes	32.2	--	4.9E+07	--	6.5E-07	--	3.9E+06	--	8.2E-06
A13	5/6/2016	17	15	71-55-6	1,1,1-Trichloroethane	6060	--	5.2E+08	--	1.2E-05	--	4.1E+07	--	1.5E-04
A13	5/6/2016	17	15	75-35-4	1,1-Dichloroethene	909	--	2.8E+07	--	3.3E-05	--	2.2E+06	--	4.2E-04

Boring ID	Sample Date	Sample Depth (ft bgs)	RBC Depth Assigned	CAS Number	Analyte	Concentration in Soil Vapor ($\mu\text{g}/\text{m}^3$)	Future Commercial Worker				Future Resident			
							RBC _{SV-C} ($\mu\text{g}/\text{m}^3$)	RBC _{SV-NC} ($\mu\text{g}/\text{m}^3$)	Cancer Risk	Noncancer Hazard	RBC _{SV-C} ($\mu\text{g}/\text{m}^3$)	RBC _{SV-NC} ($\mu\text{g}/\text{m}^3$)	Cancer Risk	Noncancer Hazard
A13	5/6/2016	17	15	75-71-8	Dichlorodifluoromethane	23.6	--	4.5E+07	--	5.3E-07	--	3.5E+06	--	6.7E-06
A13	5/6/2016	17	15	127-18-4	Tetrachloroethylene	1070	3.1E+06	2.3E+07	3.5E-09	4.6E-05	2.3E+04	1.9E+06	4.6E-08	5.8E-04
A13	5/6/2016	17	15	108-88-3	Toluene	52.4	--	1.3E+08	--	4.0E-07	--	1.0E+07	--	5.1E-06
A13	5/6/2016	17	15	79-01-6	Trichloroethylene	243	3.4E+06	9.8E+05	7.2E-10	2.5E-04	1.8E+04	7.8E+04	1.4E-08	3.1E-03
B2	5/6/2016	16.5	15	71-55-6	1,1,1-Trichloroethane	67.6	--	5.2E+08	--	1.3E-07	--	4.1E+07	--	1.6E-06
B2	5/6/2016	16.5	15	95-63-6	1,2,4-Trimethylbenzene	124	--	3.9E+06	--	3.2E-05	--	3.1E+05	--	4.0E-04
B2	5/6/2016	16.5	15	108-67-8	1,3,5-Trimethylbenzene	31.8	--	2.2E+07	--	1.4E-06	--	1.8E+06	--	1.8E-05
B2	5/6/2016	16.5	15	99-87-6	4-Isopropyltoluene	23.2	--	2.1E+08	--	1.1E-07	--	1.7E+07	--	1.4E-06
B2	5/6/2016	16.5	15	71-43-2	Benzene	65	3.6E+05	1.1E+06	1.8E-09	5.7E-05	2.8E+03	9.0E+04	2.3E-08	7.2E-04
B2	5/6/2016	16.5	15	75-71-8	Dichlorodifluoromethane	116	--	4.5E+07	--	2.6E-06	--	3.5E+06	--	3.3E-05
B2	5/6/2016	16.5	15	100-41-4	Ethylbenzene	105	5.5E+06	4.9E+08	1.9E-10	2.1E-07	4.2E+04	3.9E+07	2.5E-09	2.7E-06
B2	5/6/2016	16.5	15	127-18-4	Tetrachloroethylene	3310	3.1E+06	2.3E+07	1.1E-08	1.4E-04	2.3E+04	1.9E+06	1.4E-07	1.8E-03
B2	5/6/2016	16.5	15	108-88-3	Toluene	574	--	1.3E+08	--	4.4E-06	--	1.0E+07	--	5.6E-05
B2	5/6/2016	16.5	15	79-01-6	Trichloroethylene	78.4	3.4E+06	9.8E+05	2.3E-10	8.0E-05	1.8E+04	7.8E+04	4.4E-09	1.0E-03
B2	5/6/2016	16.5	15	75-69-4	Trichlorofluoromethane	10.8	--	6.2E+08	--	1.7E-08	--	4.9E+07	--	2.2E-07
B2	5/6/2016	16.5	15	1330-20-7	Xylenes	628	--	4.9E+07	--	1.3E-05	--	3.9E+06	--	1.6E-04
B3	5/6/2016	17	15	71-55-6	1,1,1-Trichloroethane	28.2	--	5.2E+08	--	5.4E-08	--	4.1E+07	--	6.8E-07
B3	5/6/2016	17	15	95-63-6	1,2,4-Trimethylbenzene	619	--	3.9E+06	--	1.6E-04	--	3.1E+05	--	2.0E-03
B3	5/6/2016	17	15	108-67-8	1,3,5-Trimethylbenzene	177	--	2.2E+07	--	7.9E-06	--	1.8E+06	--	1.0E-04
B3	5/6/2016	17	15	99-87-6	4-Isopropyltoluene	4050	--	2.1E+08	--	1.9E-05	--	1.7E+07	--	2.4E-04
B3	5/6/2016	17	15	71-43-2	Benzene	124	3.6E+05	1.1E+06	3.4E-09	1.1E-04	2.8E+03	9.0E+04	4.5E-08	1.4E-03
B3	5/6/2016	17	15	75-71-8	Dichlorodifluoromethane	32.8	--	4.5E+07	--	7.3E-07	--	3.5E+06	--	9.2E-06
B3	5/6/2016	17	15	100-41-4	Ethylbenzene	335	5.5E+06	4.9E+08	6.1E-10	6.8E-07	4.2E+04	3.9E+07	8.0E-09	8.6E-06
B3	5/6/2016	17	15	103-65-1	n-Propylbenzene	67.6	--	5.6E+08	--	1.2E-07	--	4.5E+07	--	1.5E-06
B3	5/6/2016	17	15	127-18-4	Tetrachloroethylene	11300	3.1E+06	2.3E+07	3.7E-08	4.8E-04	2.3E+04	1.9E+06	4.8E-07	6.1E-03
B3	5/6/2016	17	15	108-88-3	Toluene	1290	--	1.3E+08	--	9.9E-06	--	1.0E+07	--	1.2E-04
B3	5/6/2016	17	15	79-01-6	Trichloroethylene	69.6	3.4E+06	9.8E+05	2.1E-10	7.1E-05	1.8E+04	7.8E+04	3.9E-09	8.9E-04
B3	5/6/2016	17	15	1330-20-7	Xylenes	1850	--	4.9E+07	--	3.8E-05	--	3.9E+06	--	4.7E-04
B4	5/6/2016	19	20	630-20-6	1,1,1,2-Tetrachloroethane	48.2	2.9E+06	9.3E+07	1.6E-10	5.2E-07	2.2E+04	7.4E+06	2.1E-09	6.5E-06
B4	5/6/2016	19	20	95-63-6	1,2,4-Trimethylbenzene	56.9	--	4.4E+06	--	1.3E-05	--	3.5E+05	--	1.6E-04
B4	5/6/2016	19	20	108-67-8	1,3,5-Trimethylbenzene	20.4	--	2.5E+07	--	8.0E-07	--	2.0E+06	--	1.0E-05
B4	5/6/2016	19	20	99-87-6	4-Isopropyltoluene	60.6	--	2.4E+08	--	2.5E-07	--	1.9E+07	--	3.2E-06
B4	5/6/2016	19	20	71-43-2	Benzene	20.8	4.1E+05	1.3E+06	5.0E-10	1.6E-05	3.2E+03	1.0E+05	6.6E-09	2.0E-04
B4	5/6/2016	19	20	75-71-8	Dichlorodifluoromethane	90.8	--	5.1E+07	--	1.8E-06	--	4.0E+06	--	2.3E-05
B4	5/6/2016	19	20	100-41-4	Ethylbenzene	30.5	6.3E+06	5.6E+08	4.9E-11	5.4E-08	4.8E+04	4.4E+07	6.4E-10	6.9E-07

Boring ID	Sample Date	Sample Depth (ft bgs)	RBC Depth Assigned	CAS Number	Analyte	Concentration in Soil Vapor ($\mu\text{g}/\text{m}^3$)	Future Commercial Worker				Future Resident			
							RBC _{SV-C} ($\mu\text{g}/\text{m}^3$)	RBC _{SV-NC} ($\mu\text{g}/\text{m}^3$)	Cancer Risk	Noncancer Hazard	RBC _{SV-C} ($\mu\text{g}/\text{m}^3$)	RBC _{SV-NC} ($\mu\text{g}/\text{m}^3$)	Cancer Risk	Noncancer Hazard
B4	5/6/2016	19	20	104-51-8	n-Butylbenzene	24.2	--	1.5E+08	--	1.7E-07	--	1.2E+07	--	2.1E-06
B4	5/6/2016	19	20	127-18-4	Tetrachloroethylene	1030000	3.5E+06	2.7E+07	3.0E-06	3.9E-02	2.7E+04	2.1E+06	3.9E-05	4.9E-01
B4	5/6/2016	19	20	108-88-3	Toluene	127	--	1.5E+08	--	8.6E-07	--	1.2E+07	--	1.1E-05
B4	5/6/2016	19	20	79-01-6	Trichloroethylene	431	3.8E+06	1.1E+06	1.1E-09	3.9E-04	2.0E+04	8.9E+04	2.1E-08	4.9E-03
B4	5/6/2016	19	20	1330-20-7	Xylenes	182	--	5.6E+07	--	3.3E-06	--	4.4E+06	--	4.1E-05
B5	5/6/2016	20	20	630-20-6	1,1,1,2-Tetrachloroethane	103	2.9E+06	9.3E+07	3.5E-10	1.1E-06	2.2E+04	7.4E+06	4.6E-09	1.4E-05
B5	5/6/2016	20	20	95-63-6	1,2,4-Trimethylbenzene	20	--	4.4E+06	--	4.5E-06	--	3.5E+05	--	5.7E-05
B5	5/6/2016	20	20	99-87-6	4-Isopropyltoluene	27.9	--	2.4E+08	--	1.2E-07	--	1.9E+07	--	1.5E-06
B5	5/6/2016	20	20	71-43-2	Benzene	13.4	4.1E+05	1.3E+06	3.2E-10	1.0E-05	3.2E+03	1.0E+05	4.2E-09	1.3E-04
B5	5/6/2016	20	20	75-71-8	Dichlorodifluoromethane	269	--	5.1E+07	--	5.3E-06	--	4.0E+06	--	6.7E-05
B5	5/6/2016	20	20	100-41-4	Ethylbenzene	72.4	6.3E+06	5.6E+08	1.2E-10	1.3E-07	4.8E+04	4.4E+07	1.5E-09	1.6E-06
B5	5/6/2016	20	20	127-18-4	Tetrachloroethylene	1410000	3.5E+06	2.7E+07	4.0E-06	5.3E-02	2.7E+04	2.1E+06	5.3E-05	6.7E-01
B5	5/6/2016	20	20	108-88-3	Toluene	72.5	--	1.5E+08	--	4.9E-07	--	1.2E+07	--	6.2E-06
B5	5/6/2016	20	20	79-01-6	Trichloroethylene	373	3.8E+06	1.1E+06	9.8E-10	3.3E-04	2.0E+04	8.9E+04	1.8E-08	4.2E-03
B5	5/6/2016	20	20	1330-20-7	Xylenes	85.2	--	5.6E+07	--	1.5E-06	--	4.4E+06	--	1.9E-05
B8	5/6/2016	20.5	20	75-34-3	1,1-Dichloroethane	20.2	8.0E+06	3.7E+08	2.5E-11	5.5E-08	6.1E+04	2.9E+07	3.3E-10	6.9E-07
B8	5/6/2016	20.5	20	75-35-4	1,1-Dichloroethene	341	--	3.1E+07	--	1.1E-05	--	2.5E+06	--	1.4E-04
B8	5/6/2016	20.5	20	67-66-3	Chloroform	58.7	6.0E+05	4.9E+07	9.7E-10	1.2E-06	4.6E+03	3.9E+06	1.3E-08	1.5E-05
B8	5/6/2016	20.5	20	75-71-8	Dichlorodifluoromethane	3060	--	5.1E+07	--	6.0E-05	--	4.0E+06	--	7.6E-04
B8	5/6/2016	20.5	20	76-13-1	Freon 113	390	--	3.1E+10	--	1.3E-08	--	2.4E+09	--	1.6E-07
B8	5/6/2016	20.5	20	127-18-4	Tetrachloroethylene	14600	3.5E+06	2.7E+07	4.2E-08	5.5E-04	2.7E+04	2.1E+06	5.5E-07	6.9E-03
B8	5/6/2016	20.5	20	108-88-3	Toluene	11.3	--	1.5E+08	--	7.6E-08	--	1.2E+07	--	9.6E-07
B8	5/6/2016	20.5	20	79-01-6	Trichloroethylene	6380	3.8E+06	1.1E+06	1.7E-08	5.7E-03	2.0E+04	8.9E+04	3.1E-07	7.2E-02
B9	5/6/2016	30.5	30	75-34-3	1,1-Dichloroethane	21.2	1.0E+07	4.6E+08	2.1E-11	4.7E-08	7.6E+04	3.6E+07	2.8E-10	5.9E-07
B9	5/6/2016	30.5	30	75-35-4	1,1-Dichloroethene	449	--	3.9E+07	--	1.2E-05	--	3.1E+06	--	1.5E-04
B9	5/6/2016	30.5	30	95-63-6	1,2,4-Trimethylbenzene	71.1	--	5.5E+06	--	1.3E-05	--	4.3E+05	--	1.6E-04
B9	5/6/2016	30.5	30	108-67-8	1,3,5-Trimethylbenzene	26.2	--	3.2E+07	--	8.3E-07	--	2.5E+06	--	1.0E-05
B9	5/6/2016	30.5	30	99-87-6	4-Isopropyltoluene	36.3	--	3.0E+08	--	1.2E-07	--	2.4E+07	--	1.5E-06
B9	5/6/2016	30.5	30	71-43-2	Benzene	33	5.1E+05	1.6E+06	6.4E-10	2.1E-05	3.9E+03	1.3E+05	8.4E-09	2.6E-04
B9	5/6/2016	30.5	30	67-66-3	Chloroform	78.6	7.5E+05	6.0E+07	1.0E-09	1.3E-06	5.7E+03	4.8E+06	1.4E-08	1.6E-05
B9	5/6/2016	30.5	30	75-71-8	Dichlorodifluoromethane	2400	--	6.3E+07	--	3.8E-05	--	5.0E+06	--	4.8E-04
B9	5/6/2016	30.5	30	100-41-4	Ethylbenzene	40.1	7.8E+06	7.0E+08	5.2E-11	5.8E-08	5.9E+04	5.5E+07	6.7E-10	7.3E-07
B9	5/6/2016	30.5	30	76-13-1	Freon 113	385	--	3.8E+10	--	1.0E-08	--	3.0E+09	--	1.3E-07
B9	5/6/2016	30.5	30	104-51-8	n-Butylbenzene	24.8	--	1.8E+08	--	1.4E-07	--	1.4E+07	--	1.7E-06
B9	5/6/2016	30.5	30	127-18-4	Tetrachloroethylene	14400	4.3E+06	3.3E+07	3.3E-08	4.4E-04	3.3E+04	2.6E+06	4.4E-07	5.5E-03

Boring ID	Sample Date	Sample Depth (ft bgs)	RBC Depth Assigned	CAS Number	Analyte	Concentration in Soil Vapor ($\mu\text{g}/\text{m}^3$)	Future Commercial Worker				Future Resident			
							RBC _{SV-C} ($\mu\text{g}/\text{m}^3$)	RBC _{SV-NC} ($\mu\text{g}/\text{m}^3$)	Cancer Risk	Noncancer Hazard	RBC _{SV-C} ($\mu\text{g}/\text{m}^3$)	RBC _{SV-NC} ($\mu\text{g}/\text{m}^3$)	Cancer Risk	Noncancer Hazard
B9	5/6/2016	30.5	30	108-88-3	Toluene	171	--	1.8E+08	--	9.3E-07	--	1.5E+07	--	1.2E-05
B9	5/6/2016	30.5	30	79-01-6	Trichloroethylene	8270	4.7E+06	1.4E+06	1.7E-08	6.0E-03	2.5E+04	1.1E+05	3.3E-07	7.5E-02
B9	5/6/2016	30.5	30	1330-20-7	Xylenes	235	--	6.9E+07	--	3.4E-06	--	5.5E+06	--	4.3E-05
B10	5/6/2016	30.5	30	75-35-4	1,1-Dichloroethene	424	--	3.9E+07	--	1.1E-05	--	3.1E+06	--	1.4E-04
B10	5/6/2016	30.5	30	67-66-3	Chloroform	55.2	7.5E+05	6.0E+07	7.4E-10	9.1E-07	5.7E+03	4.8E+06	9.6E-09	1.2E-05
B10	5/6/2016	30.5	30	75-71-8	Dichlorodifluoromethane	1730	--	6.3E+07	--	2.8E-05	--	5.0E+06	--	3.5E-04
B10	5/6/2016	30.5	30	76-13-1	Freon 113	297	--	3.8E+10	--	7.8E-09	--	3.0E+09	--	9.8E-08
B10	5/6/2016	30.5	30	127-18-4	Tetrachloroethylene	13800	4.3E+06	3.3E+07	3.2E-08	4.2E-04	3.3E+04	2.6E+06	4.2E-07	5.3E-03
B10	5/6/2016	30.5	30	108-88-3	Toluene	16.1	--	1.8E+08	--	8.8E-08	--	1.5E+07	--	1.1E-06
B10	5/6/2016	30.5	30	79-01-6	Trichloroethylene	4540	4.7E+06	1.4E+06	9.6E-09	3.3E-03	2.5E+04	1.1E+05	1.8E-07	4.1E-02
B11	5/6/2016	20.5	20	71-55-6	1,1,1-Trichloroethane	44.3	--	5.9E+08	--	7.5E-08	--	4.7E+07	--	9.4E-07
B11	5/6/2016	20.5	20	99-87-6	4-Isopropyltoluene	22.6	--	2.4E+08	--	9.3E-08	--	1.9E+07	--	1.2E-06
B11	5/6/2016	20.5	20	75-71-8	Dichlorodifluoromethane	312	--	5.1E+07	--	6.1E-06	--	4.0E+06	--	7.7E-05
B11	5/6/2016	20.5	20	76-13-1	Freon 113	89	--	3.1E+10	--	2.9E-09	--	2.4E+09	--	3.7E-08
B11	5/6/2016	20.5	20	127-18-4	Tetrachloroethylene	3630	3.5E+06	2.7E+07	1.0E-08	1.4E-04	2.7E+04	2.1E+06	1.4E-07	1.7E-03
B11	5/6/2016	20.5	20	79-01-6	Trichloroethylene	19.1	3.8E+06	1.1E+06	5.0E-11	1.7E-05	2.0E+04	8.9E+04	9.4E-10	2.2E-04
B12	5/6/2016	17	15	71-55-6	1,1,1-Trichloroethane	491	--	5.2E+08	--	9.4E-07	--	4.1E+07	--	1.2E-05
B12	5/6/2016	17	15	75-35-4	1,1-Dichloroethene	71.4	--	2.8E+07	--	2.6E-06	--	2.2E+06	--	3.3E-05
B12	5/6/2016	17	15	127-18-4	Tetrachloroethylene	5790	3.1E+06	2.3E+07	1.9E-08	2.5E-04	2.3E+04	1.9E+06	2.5E-07	3.1E-03
B13	5/6/2016	17	15	71-55-6	1,1,1-Trichloroethane	107	--	5.2E+08	--	2.1E-07	--	4.1E+07	--	2.6E-06
B13	5/6/2016	17	15	75-71-8	Dichlorodifluoromethane	11.6	--	4.5E+07	--	2.6E-07	--	3.5E+06	--	3.3E-06
B13	5/6/2016	17	15	127-18-4	Tetrachloroethylene	323	3.1E+06	2.3E+07	1.1E-09	1.4E-05	2.3E+04	1.9E+06	1.4E-08	1.7E-04
B13	5/6/2016	17	15	108-88-3	Toluene	10	--	1.3E+08	--	7.7E-08	--	1.0E+07	--	9.7E-07
B13	5/6/2016	17	15	79-01-6	Trichloroethylene	17	3.4E+06	9.8E+05	5.1E-11	1.7E-05	1.8E+04	7.8E+04	9.5E-10	2.2E-04
B14	5/6/2016	17	15	71-55-6	1,1,1-Trichloroethane	14.4	--	5.2E+08	--	2.8E-08	--	4.1E+07	--	3.5E-07
B14	5/6/2016	17	15	75-71-8	Dichlorodifluoromethane	8.2	--	4.5E+07	--	1.8E-07	--	3.5E+06	--	2.3E-06
B14	5/6/2016	17	15	127-18-4	Tetrachloroethylene	143	3.1E+06	2.3E+07	4.7E-10	6.1E-06	2.3E+04	1.9E+06	6.1E-09	7.7E-05
B14	5/6/2016	17	15	108-88-3	Toluene	80.6	--	1.3E+08	--	6.2E-07	--	1.0E+07	--	7.8E-06
B14	5/6/2016	17	15	79-01-6	Trichloroethylene	41.4	3.4E+06	9.8E+05	1.2E-10	4.2E-05	1.8E+04	7.8E+04	2.3E-09	5.3E-04
B14	5/6/2016	17	15	1330-20-7	Xylenes	27	--	4.9E+07	--	5.5E-07	--	3.9E+06	--	6.9E-06
B15	5/6/2016	4	4	75-71-8	Dichlorodifluoromethane	16.6	--	1.2E+07	--	1.4E-06	--	9.3E+05	--	1.8E-05
B15	5/6/2016	4	4	127-18-4	Tetrachloroethylene	222	7.9E+05	6.0E+06	2.8E-09	3.7E-05	6.0E+03	4.8E+05	3.7E-08	4.6E-04
B15	5/6/2016	4	4	108-88-3	Toluene	18.4	--	3.4E+07	--	5.4E-07	--	2.7E+06	--	6.8E-06
B15	5/6/2016	4	4	79-01-6	Trichloroethylene	31.8	8.8E+05	2.6E+05	3.6E-10	1.2E-04	4.7E+03	2.0E+04	6.8E-09	1.6E-03
LB1	5/6/2016	15	15	71-55-6	1,1,1-Trichloroethane	39.2	--	5.2E+08	--	7.5E-08	--	4.1E+07	--	9.5E-07

Boring ID	Sample Date	Sample Depth (ft bgs)	RBC Depth Assigned	CAS Number	Analyte	Concentration in Soil Vapor ($\mu\text{g}/\text{m}^3$)	Future Commercial Worker				Future Resident			
							RBC _{SV-C} ($\mu\text{g}/\text{m}^3$)	RBC _{SV-NC} ($\mu\text{g}/\text{m}^3$)	Cancer Risk	Noncancer Hazard	RBC _{SV-C} ($\mu\text{g}/\text{m}^3$)	RBC _{SV-NC} ($\mu\text{g}/\text{m}^3$)	Cancer Risk	Noncancer Hazard
LB1	5/6/2016	15	15	75-71-8	Dichlorodifluoromethane	43.4	--	4.5E+07	--	9.7E-07	--	3.5E+06	--	1.2E-05
LB1	5/6/2016	15	15	127-18-4	Tetrachloroethylene	423	3.1E+06	2.3E+07	1.4E-09	1.8E-05	2.3E+04	1.9E+06	1.8E-08	2.3E-04
LB1	5/6/2016	15	15	108-88-3	Toluene	76	--	1.3E+08	--	5.8E-07	--	1.0E+07	--	7.4E-06
LB1	5/6/2016	15	15	79-01-6	Trichloroethylene	38	3.4E+06	9.8E+05	1.1E-10	3.9E-05	1.8E+04	7.8E+04	2.1E-09	4.9E-04
LB1	5/6/2016	15	15	1330-20-7	Xylenes	11.6	--	4.9E+07	--	2.4E-07	--	3.9E+06	--	3.0E-06
LB1	5/6/2016	20.5	20	71-55-6	1,1,1-Trichloroethane	167	--	5.9E+08	--	2.8E-07	--	4.7E+07	--	3.5E-06
LB1	5/6/2016	20.5	20	75-71-8	Dichlorodifluoromethane	33	--	5.1E+07	--	6.5E-07	--	4.0E+06	--	8.2E-06
LB1	5/6/2016	20.5	20	127-18-4	Tetrachloroethylene	11000	3.5E+06	2.7E+07	3.2E-08	4.1E-04	2.7E+04	2.1E+06	4.1E-07	5.2E-03
LB1	5/6/2016	20.5	20	108-88-3	Toluene	45.4	--	1.5E+08	--	3.1E-07	--	1.2E+07	--	3.9E-06
LB1	5/6/2016	20.5	20	79-01-6	Trichloroethylene	332	3.8E+06	1.1E+06	8.7E-10	3.0E-04	2.0E+04	8.9E+04	1.6E-08	3.7E-03
LB2	5/6/2016	19.5	20	71-43-2	Benzene	15.2	4.1E+05	1.3E+06	3.7E-10	1.2E-05	3.2E+03	1.0E+05	4.8E-09	1.5E-04
LB2	5/6/2016	19.5	20	75-71-8	Dichlorodifluoromethane	99.2	--	5.1E+07	--	2.0E-06	--	4.0E+06	--	2.5E-05
LB2	5/6/2016	19.5	20	127-18-4	Tetrachloroethylene	63200	3.5E+06	2.7E+07	1.8E-07	2.4E-03	2.7E+04	2.1E+06	2.4E-06	3.0E-02
LB2	5/6/2016	19.5	20	108-88-3	Toluene	68.2	--	1.5E+08	--	4.6E-07	--	1.2E+07	--	5.8E-06
LB2	5/6/2016	19.5	20	79-01-6	Trichloroethylene	110	3.8E+06	1.1E+06	2.9E-10	9.8E-05	2.0E+04	8.9E+04	5.4E-09	1.2E-03
LB3	5/6/2016	20	20	630-20-6	1,1,1,2-Tetrachloroethane	635	2.9E+06	9.3E+07	2.2E-09	6.8E-06	2.2E+04	7.4E+06	2.8E-08	8.6E-05
LB3	5/6/2016	20	20	71-55-6	1,1,1-Trichloroethane	8	--	5.9E+08	--	1.3E-08	--	4.7E+07	--	1.7E-07
LB3	5/6/2016	20	20	75-35-4	1,1-Dichloroethene	242	--	3.1E+07	--	7.7E-06	--	2.5E+06	--	9.7E-05
LB3	5/6/2016	20	20	71-43-2	Benzene	26.9	4.1E+05	1.3E+06	6.5E-10	2.1E-05	3.2E+03	1.0E+05	8.5E-09	2.6E-04
LB3	5/6/2016	20	20	67-66-3	Chloroform	67	6.0E+05	4.9E+07	1.1E-09	1.4E-06	4.6E+03	3.9E+06	1.5E-08	1.7E-05
LB3	5/6/2016	20	20	75-71-8	Dichlorodifluoromethane	200	--	5.1E+07	--	3.9E-06	--	4.0E+06	--	5.0E-05
LB3	5/6/2016	20	20	100-41-4	Ethylbenzene	35.7	6.3E+06	5.6E+08	5.7E-11	6.4E-08	4.8E+04	4.4E+07	7.5E-10	8.0E-07
LB3	5/6/2016	20	20	127-18-4	Tetrachloroethylene	10600000	3.5E+06	2.7E+07	3.0E-05	4.0E-01	2.7E+04	2.1E+06	4.0E-04	5.0E+00
LB3	5/6/2016	20	20	108-88-3	Toluene	114	--	1.5E+08	--	7.7E-07	--	1.2E+07	--	9.7E-06
LB3	5/6/2016	20	20	79-01-6	Trichloroethylene	4930	3.8E+06	1.1E+06	1.3E-08	4.4E-03	2.0E+04	8.9E+04	2.4E-07	5.6E-02
LB3	5/6/2016	20	20	1330-20-7	Xylenes	35.3	--	5.6E+07	--	6.3E-07	--	4.4E+06	--	8.0E-06
LB4	5/6/2016	20.5	20	630-20-6	1,1,1,2-Tetrachloroethane	10.6	2.9E+06	9.3E+07	3.6E-11	1.1E-07	2.2E+04	7.4E+06	4.7E-10	1.4E-06
LB4	5/6/2016	20.5	20	95-63-6	1,2,4-Trimethylbenzene	10.6	--	4.4E+06	--	2.4E-06	--	3.5E+05	--	3.0E-05
LB4	5/6/2016	20.5	20	99-87-6	4-Isopropyltoluene	18.3	--	2.4E+08	--	7.6E-08	--	1.9E+07	--	9.5E-07
LB4	5/6/2016	20.5	20	71-43-2	Benzene	25.2	4.1E+05	1.3E+06	6.1E-10	2.0E-05	3.2E+03	1.0E+05	8.0E-09	2.5E-04
LB4	5/6/2016	20.5	20	75-71-8	Dichlorodifluoromethane	698	--	5.1E+07	--	1.4E-05	--	4.0E+06	--	1.7E-04
LB4	5/6/2016	20.5	20	100-41-4	Ethylbenzene	32	6.3E+06	5.6E+08	5.1E-11	5.7E-08	4.8E+04	4.4E+07	6.7E-10	7.2E-07
LB4	5/6/2016	20.5	20	76-13-1	Freon 113	107	--	3.1E+10	--	3.5E-09	--	2.4E+09	--	4.4E-08
LB4	5/6/2016	20.5	20	127-18-4	Tetrachloroethylene	544000	3.5E+06	2.7E+07	1.6E-06	2.0E-02	2.7E+04	2.1E+06	2.0E-05	2.6E-01
LB4	5/6/2016	20.5	20	108-88-3	Toluene	175	--	1.5E+08	--	1.2E-06	--	1.2E+07	--	1.5E-05

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							RBC _{SV-C} ($\mu\text{g}/\text{m}^3$)	RBC _{SV-NC} ($\mu\text{g}/\text{m}^3$)	Cancer Risk	Noncancer Hazard	RBC _{SV-C} ($\mu\text{g}/\text{m}^3$)	RBC _{SV-NC} ($\mu\text{g}/\text{m}^3$)	Cancer Risk	Noncancer Hazard
LB4	5/6/2016	20.5	20	79-01-6	Trichloroethylene	648	3.8E+06	1.1E+06	1.7E-09	5.8E-04	2.0E+04	8.9E+04	3.2E-08	7.3E-03
LB4	5/6/2016	20.5	20	1330-20-7	Xylenes	156	--	5.6E+07	--	2.8E-06	--	4.4E+06	--	3.5E-05
LB5	5/6/2016	14.5	15	75-71-8	Dichlorodifluoromethane	754	--	4.5E+07	--	1.7E-05	--	3.5E+06	--	2.1E-04
LB5	5/6/2016	14.5	15	76-13-1	Freon 113	141	--	2.7E+10	--	5.2E-09	--	2.1E+09	--	6.6E-08
LB5	5/6/2016	14.5	15	127-18-4	Tetrachloroethylene	11800	3.1E+06	2.3E+07	3.8E-08	5.0E-04	2.3E+04	1.9E+06	5.0E-07	6.4E-03
LB5	5/6/2016	14.5	15	108-88-3	Toluene	54.7	--	1.3E+08	--	4.2E-07	--	1.0E+07	--	5.3E-06
LB5	5/6/2016	14.5	15	79-01-6	Trichloroethylene	881	3.4E+06	9.8E+05	2.6E-09	9.0E-04	1.8E+04	7.8E+04	4.9E-08	1.1E-02
LB5	5/6/2016	14.5	15	1330-20-7	Xylenes	21.4	--	4.9E+07	--	4.3E-07	--	3.9E+06	--	5.5E-06
LB5	5/6/2016	20.5	20	95-63-6	1,2,4-Trimethylbenzene	12.3	--	4.4E+06	--	2.8E-06	--	3.5E+05	--	3.5E-05
LB5	5/6/2016	20.5	20	99-87-6	4-Isopropyltoluene	16.9	--	2.4E+08	--	7.0E-08	--	1.9E+07	--	8.8E-07
LB5	5/6/2016	20.5	20	71-43-2	Benzene	27.4	4.1E+05	1.3E+06	6.6E-10	2.1E-05	3.2E+03	1.0E+05	8.7E-09	2.7E-04
LB5	5/6/2016	20.5	20	67-66-3	Chloroform	14.2	6.0E+05	4.9E+07	2.4E-10	2.9E-07	4.6E+03	3.9E+06	3.1E-09	3.7E-06
LB5	5/6/2016	20.5	20	75-71-8	Dichlorodifluoromethane	927	--	5.1E+07	--	1.8E-05	--	4.0E+06	--	2.3E-04
LB5	5/6/2016	20.5	20	100-41-4	Ethylbenzene	23.2	6.3E+06	5.6E+08	3.7E-11	4.1E-08	4.8E+04	4.4E+07	4.8E-10	5.2E-07
LB5	5/6/2016	20.5	20	76-13-1	Freon 113	186	--	3.1E+10	--	6.1E-09	--	2.4E+09	--	7.6E-08
LB5	5/6/2016	20.5	20	127-18-4	Tetrachloroethylene	12400	3.5E+06	2.7E+07	3.6E-08	4.7E-04	2.7E+04	2.1E+06	4.7E-07	5.9E-03
LB5	5/6/2016	20.5	20	108-88-3	Toluene	169	--	1.5E+08	--	1.1E-06	--	1.2E+07	--	1.4E-05
LB5	5/6/2016	20.5	20	79-01-6	Trichloroethylene	1500	3.8E+06	1.1E+06	3.9E-09	1.3E-03	2.0E+04	8.9E+04	7.4E-08	1.7E-02
LB5	5/6/2016	20.5	20	1330-20-7	Xylenes	115	--	5.6E+07	--	2.1E-06	--	4.4E+06	--	2.6E-05
LB6	5/6/2016	17	15	71-55-6	1,1,1-Trichloroethane	17.4	--	5.2E+08	--	3.3E-08	--	4.1E+07	--	4.2E-07
LB6	5/6/2016	17	15	75-35-4	1,1-Dichloroethene	67.6	--	2.8E+07	--	2.5E-06	--	2.2E+06	--	3.1E-05
LB6	5/6/2016	17	15	127-18-4	Tetrachloroethylene	1590	3.1E+06	2.3E+07	5.2E-09	6.8E-05	2.3E+04	1.9E+06	6.8E-08	8.6E-04
LB6	5/6/2016	17	15	79-01-6	Trichloroethylene	115	3.4E+06	9.8E+05	3.4E-10	1.2E-04	1.8E+04	7.8E+04	6.4E-09	1.5E-03
LB7	5/6/2016	17	15	71-55-6	1,1,1-Trichloroethane	85.6	--	5.2E+08	--	1.6E-07	--	4.1E+07	--	2.1E-06
LB7	5/6/2016	17	15	75-35-4	1,1-Dichloroethene	67.3	--	2.8E+07	--	2.4E-06	--	2.2E+06	--	3.1E-05
LB7	5/6/2016	17	15	75-71-8	Dichlorodifluoromethane	185	--	4.5E+07	--	4.1E-06	--	3.5E+06	--	5.2E-05
LB7	5/6/2016	17	15	76-13-1	Freon 113	53.2	--	2.7E+10	--	2.0E-09	--	2.1E+09	--	2.5E-08
LB7	5/6/2016	17	15	127-18-4	Tetrachloroethylene	3280	3.1E+06	2.3E+07	1.1E-08	1.4E-04	2.3E+04	1.9E+06	1.4E-07	1.8E-03
LB7	5/6/2016	17	15	79-01-6	Trichloroethylene	42	3.4E+06	9.8E+05	1.3E-10	4.3E-05	1.8E+04	7.8E+04	2.3E-09	5.4E-04
LB8	5/6/2016	17	15	71-55-6	1,1,1-Trichloroethane	1630	--	5.2E+08	--	3.1E-06	--	4.1E+07	--	3.9E-05
LB8	5/6/2016	17	15	75-35-4	1,1-Dichloroethene	937	--	2.8E+07	--	3.4E-05	--	2.2E+06	--	4.3E-04
LB8	5/6/2016	17	15	99-87-6	4-Isopropyltoluene	8.6	--	2.1E+08	--	4.0E-08	--	1.7E+07	--	5.1E-07
LB8	5/6/2016	17	15	100-41-4	Ethylbenzene	17.8	5.5E+06	4.9E+08	3.2E-11	3.6E-08	4.2E+04	3.9E+07	4.2E-10	4.6E-07
LB8	5/6/2016	17	15	127-18-4	Tetrachloroethylene	14600	3.1E+06	2.3E+07	4.8E-08	6.2E-04	2.3E+04	1.9E+06	6.2E-07	7.9E-03
LB8	5/6/2016	17	15	108-88-3	Toluene	97.4	--	1.3E+08	--	7.5E-07	--	1.0E+07	--	9.4E-06

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							RBC _{SV-C} ($\mu\text{g}/\text{m}^3$)	RBC _{SV-NC} ($\mu\text{g}/\text{m}^3$)	Cancer Risk	Noncancer Hazard	RBC _{SV-C} ($\mu\text{g}/\text{m}^3$)	RBC _{SV-NC} ($\mu\text{g}/\text{m}^3$)	Cancer Risk	Noncancer Hazard
LB8	5/6/2016	17	15	79-01-6	Trichloroethylene	173	3.4E+06	9.8E+05	5.2E-10	1.8E-04	1.8E+04	7.8E+04	9.7E-09	2.2E-03
LB8	5/6/2016	17	15	1330-20-7	Xylenes	89.1	--	4.9E+07	--	1.8E-06	--	3.9E+06	--	2.3E-05

Notes:

" -- " not applicable

$\mu\text{g}/\text{m}^3$ - micrograms per cubic meter

" ft bgs " feet below ground surface

RBC_{SV-C} - risk-based concentration based on cancer effects; RBC_{SV-NC} based on noncancer effects

RBCs based on target cancer risk = 10^{-5} for workers and 10^{-6} for future residents, and a target noncancer hazard = 1 for both receptors

Boring ID	Sample Date	Sample Depth (ft bgs)	RBC Depth Assigned	CAS Number	Analyte	Concentration in Soil Vapor ($\mu\text{g}/\text{m}^3$)	Future Commercial Worker				Future Resident			
							RBC _{SV-C} ($\mu\text{g}/\text{m}^3$)	RBC _{SV-NC} ($\mu\text{g}/\text{m}^3$)	Cancer Risk	Noncancer Hazard	RBC _{SV-C} ($\mu\text{g}/\text{m}^3$)	RBC _{SV-NC} ($\mu\text{g}/\text{m}^3$)	Cancer Risk	Noncancer Hazard
A1	5/6/2016	16	15	71-55-6	1,1,1-Trichloroethane	203	--	1.3E+10	--	1.6E-08	--	3.1E+09	--	6.5E-08
A1	5/6/2016	16	15	95-63-6	1,2,4-Trimethylbenzene	288	--	9.7E+07	--	3.0E-06	--	2.3E+07	--	1.2E-05
A1	5/6/2016	16	15	108-67-8	1,3,5-Trimethylbenzene	144	--	5.6E+08	--	2.6E-07	--	1.3E+08	--	1.1E-06
A1	5/6/2016	16	15	99-87-6	4-Isopropyltoluene	51.8	--	5.3E+09	--	9.7E-09	--	1.3E+09	--	4.1E-08
A1	5/6/2016	16	15	75-71-8	Dichlorodifluoromethane	110	--	1.1E+09	--	9.8E-08	--	2.7E+08	--	4.1E-07
A1	5/6/2016	16	15	100-41-4	Ethylbenzene	84.2	1.4E+08	1.2E+10	6.1E-12	6.8E-09	3.2E+06	2.9E+09	2.7E-11	2.9E-08
A1	5/6/2016	16	15	104-51-8	n-Butylbenzene	11	--	3.2E+09	--	3.4E-09	--	7.6E+08	--	1.4E-08
A1	5/6/2016	16	15	103-65-1	n-Propylbenzene	16.2	--	1.4E+10	--	1.2E-09	--	3.3E+09	--	4.9E-09
A1	5/6/2016	16	15	127-18-4	Tetrachloroethylene	9860	7.7E+07	5.8E+08	1.3E-09	1.7E-05	1.8E+06	1.4E+08	5.6E-09	7.1E-05
A1	5/6/2016	16	15	108-88-3	Toluene	281	--	3.3E+09	--	8.6E-08	--	7.8E+08	--	3.6E-07
A1	5/6/2016	16	15	79-01-6	Trichloroethylene	143	8.4E+07	2.5E+07	1.7E-11	5.8E-06	1.3E+06	5.9E+06	1.1E-10	2.4E-05
A1	5/6/2016	16	15	1330-20-7	Xylenes	550	--	1.2E+09	--	4.5E-07	--	2.9E+08	--	1.9E-06
A2	5/6/2016	16	15	71-55-6	1,1,1-Trichloroethane	182	--	1.3E+10	--	1.4E-08	--	3.1E+09	--	5.9E-08
A2	5/6/2016	16	15	95-63-6	1,2,4-Trimethylbenzene	329	--	9.7E+07	--	3.4E-06	--	2.3E+07	--	1.4E-05
A2	5/6/2016	16	15	108-67-8	1,3,5-Trimethylbenzene	174	--	5.6E+08	--	3.1E-07	--	1.3E+08	--	1.3E-06
A2	5/6/2016	16	15	99-87-6	4-Isopropyltoluene	50	--	5.3E+09	--	9.4E-09	--	1.3E+09	--	3.9E-08
A2	5/6/2016	16	15	75-71-8	Dichlorodifluoromethane	111	--	1.1E+09	--	9.9E-08	--	2.7E+08	--	4.2E-07
A2	5/6/2016	16	15	100-41-4	Ethylbenzene	85.8	1.4E+08	1.2E+10	6.2E-12	7.0E-09	3.2E+06	2.9E+09	2.7E-11	2.9E-08
A2	5/6/2016	16	15	103-65-1	n-Propylbenzene	16.4	--	1.4E+10	--	1.2E-09	--	3.3E+09	--	4.9E-09
A2	5/6/2016	16	15	127-18-4	Tetrachloroethylene	6680	7.7E+07	5.8E+08	8.7E-10	1.1E-05	1.8E+06	1.4E+08	3.8E-09	4.8E-05
A2	5/6/2016	16	15	108-88-3	Toluene	244	--	3.3E+09	--	7.5E-08	--	7.8E+08	--	3.1E-07
A2	5/6/2016	16	15	79-01-6	Trichloroethylene	110	8.4E+07	2.5E+07	1.3E-11	4.5E-06	1.3E+06	5.9E+06	8.2E-11	1.9E-05
A2	5/6/2016	16	15	1330-20-7	Xylenes	590	--	1.2E+09	--	4.8E-07	--	2.9E+08	--	2.0E-06
A3	5/6/2016	20.5	20	75-71-8	Dichlorodifluoromethane	109	--	1.3E+09	--	8.6E-08	--	3.0E+08	--	3.6E-07
A3	5/6/2016	20.5	20	127-18-4	Tetrachloroethylene	56500	8.7E+07	6.6E+08	6.5E-09	8.5E-05	2.0E+06	1.6E+08	2.8E-08	3.6E-04
A3	5/6/2016	20.5	20	108-88-3	Toluene	15	--	3.7E+09	--	4.1E-09	--	8.8E+08	--	1.7E-08
A3	5/6/2016	20.5	20	79-01-6	Trichloroethylene	59.8	9.5E+07	2.8E+07	6.3E-12	2.1E-06	1.5E+06	6.7E+06	3.9E-11	9.0E-06
A4	5/6/2016	20.5	20	630-20-6	1,1,1,2-Tetrachloroethane	243	7.4E+07	2.3E+09	3.3E-11	1.0E-07	1.7E+06	5.6E+08	1.4E-10	4.4E-07
A4	5/6/2016	20.5	20	95-63-6	1,2,4-Trimethylbenzene	11	--	1.1E+08	--	1.0E-07	--	2.6E+07	--	4.2E-07
A4	5/6/2016	20.5	20	99-87-6	4-Isopropyltoluene	18.8	--	6.0E+09	--	3.1E-09	--	1.4E+09	--	1.3E-08
A4	5/6/2016	20.5	20	67-66-3	Chloroform	47.4	1.5E+07	1.2E+09	3.1E-11	3.9E-08	3.5E+05	2.9E+08	1.4E-10	1.6E-07
A4	5/6/2016	20.5	20	75-71-8	Dichlorodifluoromethane	191	--	1.3E+09	--	1.5E-07	--	3.0E+08	--	6.3E-07
A4	5/6/2016	20.5	20	127-18-4	Tetrachloroethylene	1080000	8.7E+07	6.6E+08	1.2E-07	1.6E-03	2.0E+06	1.6E+08	5.4E-07	6.8E-03
A4	5/6/2016	20.5	20	108-88-3	Toluene	9.4	--	3.7E+09	--	2.5E-09	--	8.8E+08	--	1.1E-08
A4	5/6/2016	20.5	20	79-01-6	Trichloroethylene	4350	9.5E+07	2.8E+07	4.6E-10	1.6E-04	1.5E+06	6.7E+06	2.9E-09	6.5E-04

Boring ID	Sample Date	Sample Depth (ft bgs)	RBC Depth Assigned	CAS Number	Analyte	Concentration in Soil Vapor ($\mu\text{g}/\text{m}^3$)	Future Commercial Worker				Future Resident			
							RBC _{SV-C} ($\mu\text{g}/\text{m}^3$)	RBC _{SV-NC} ($\mu\text{g}/\text{m}^3$)	Cancer Risk	Noncancer Hazard	RBC _{SV-C} ($\mu\text{g}/\text{m}^3$)	RBC _{SV-NC} ($\mu\text{g}/\text{m}^3$)	Cancer Risk	Noncancer Hazard
A4	5/6/2016	20.5	20	1330-20-7	Xylenes	8	--	1.4E+09	--	5.7E-09	--	3.3E+08	--	2.4E-08
A5	5/6/2016	20.5	20	630-20-6	1,1,1,2-Tetrachloroethane	847	7.4E+07	2.3E+09	1.2E-10	3.6E-07	1.7E+06	5.6E+08	5.0E-10	1.5E-06
A5	5/6/2016	20.5	20	71-55-6	1,1,1-Trichloroethane	26.6	--	1.5E+10	--	1.8E-09	--	3.5E+09	--	7.5E-09
A5	5/6/2016	20.5	20	71-43-2	Benzene	20.2	1.0E+07	3.2E+07	1.9E-11	6.3E-07	2.4E+05	7.7E+06	8.5E-11	2.6E-06
A5	5/6/2016	20.5	20	108-90-7	Chlorobenzene	9	--	6.6E+08	--	1.4E-08	--	1.6E+08	--	5.7E-08
A5	5/6/2016	20.5	20	67-66-3	Chloroform	121	1.5E+07	1.2E+09	8.0E-11	1.0E-07	3.5E+05	2.9E+08	3.5E-10	4.2E-07
A5	5/6/2016	20.5	20	75-71-8	Dichlorodifluoromethane	331	--	1.3E+09	--	2.6E-07	--	3.0E+08	--	1.1E-06
A5	5/6/2016	20.5	20	76-13-1	Freon 113	66.4	--	7.7E+11	--	8.7E-11	--	1.8E+11	--	3.6E-10
A5	5/6/2016	20.5	20	127-18-4	Tetrachloroethylene	3120000	8.7E+07	6.6E+08	3.6E-07	4.7E-03	2.0E+06	1.6E+08	1.6E-06	2.0E-02
A5	5/6/2016	20.5	20	108-88-3	Toluene	84	--	3.7E+09	--	2.3E-08	--	8.8E+08	--	9.5E-08
A5	5/6/2016	20.5	20	79-01-6	Trichloroethylene	8400	9.5E+07	2.8E+07	8.8E-10	3.0E-04	1.5E+06	6.7E+06	5.5E-09	1.3E-03
A6	5/6/2016	20.5	20	71-55-6	1,1,1-Trichloroethane	10.8	--	1.5E+10	--	7.3E-10	--	3.5E+09	--	3.1E-09
A6	5/6/2016	20.5	20	95-63-6	1,2,4-Trimethylbenzene	31.8	--	1.1E+08	--	2.9E-07	--	2.6E+07	--	1.2E-06
A6	5/6/2016	20.5	20	71-43-2	Benzene	20.8	1.0E+07	3.2E+07	2.0E-11	6.5E-07	2.4E+05	7.7E+06	8.8E-11	2.7E-06
A6	5/6/2016	20.5	20	67-66-3	Chloroform	34.8	1.5E+07	1.2E+09	2.3E-11	2.9E-08	3.5E+05	2.9E+08	1.0E-10	1.2E-07
A6	5/6/2016	20.5	20	75-71-8	Dichlorodifluoromethane	505	--	1.3E+09	--	4.0E-07	--	3.0E+08	--	1.7E-06
A6	5/6/2016	20.5	20	100-41-4	Ethylbenzene	34.2	1.6E+08	1.4E+10	2.2E-12	2.4E-09	3.6E+06	3.3E+09	9.5E-12	1.0E-08
A6	5/6/2016	20.5	20	76-13-1	Freon 113	124	--	7.7E+11	--	1.6E-10	--	1.8E+11	--	6.8E-10
A6	5/6/2016	20.5	20	127-18-4	Tetrachloroethylene	105000	8.7E+07	6.6E+08	1.2E-08	1.6E-04	2.0E+06	1.6E+08	5.3E-08	6.6E-04
A6	5/6/2016	20.5	20	108-88-3	Toluene	234	--	3.7E+09	--	6.3E-08	--	8.8E+08	--	2.7E-07
A6	5/6/2016	20.5	20	79-01-6	Trichloroethylene	2020	9.5E+07	2.8E+07	2.1E-10	7.2E-05	1.5E+06	6.7E+06	1.3E-09	3.0E-04
A6	5/6/2016	20.5	20	1330-20-7	Xylenes	187	--	1.4E+09	--	1.3E-07	--	3.3E+08	--	5.6E-07
A7	5/6/2016	20.5	20	71-55-6	1,1,1-Trichloroethane	22.2	--	1.5E+10	--	1.5E-09	--	3.5E+09	--	6.3E-09
A7	5/6/2016	20.5	20	67-66-3	Chloroform	101	1.5E+07	1.2E+09	6.7E-11	8.3E-08	3.5E+05	2.9E+08	2.9E-10	3.5E-07
A7	5/6/2016	20.5	20	156-59-2	cis-1,2-Dichloroethene	21.6	--	8.7E+07	--	2.5E-07	--	2.1E+07	--	1.0E-06
A7	5/6/2016	20.5	20	75-71-8	Dichlorodifluoromethane	978	--	1.3E+09	--	7.7E-07	--	3.0E+08	--	3.2E-06
A7	5/6/2016	20.5	20	76-13-1	Freon 113	290	--	7.7E+11	--	3.8E-10	--	1.8E+11	--	1.6E-09
A7	5/6/2016	20.5	20	127-18-4	Tetrachloroethylene	38000	8.7E+07	6.6E+08	4.4E-09	5.7E-05	2.0E+06	1.6E+08	1.9E-08	2.4E-04
A7	5/6/2016	20.5	20	79-01-6	Trichloroethylene	40500	9.5E+07	2.8E+07	4.2E-09	1.4E-03	1.5E+06	6.7E+06	2.7E-08	6.1E-03
A7	5/6/2016	20.5	20	75-69-4	Trichlorofluoromethane	29.4	--	1.8E+10	--	1.7E-09	--	4.2E+09	--	7.0E-09
A8	5/6/2016	20.5	20	71-55-6	1,1,1-Trichloroethane	15	--	1.5E+10	--	1.0E-09	--	3.5E+09	--	4.2E-09
A8	5/6/2016	20.5	20	95-63-6	1,2,4-Trimethylbenzene	47.6	--	1.1E+08	--	4.3E-07	--	2.6E+07	--	1.8E-06
A8	5/6/2016	20.5	20	99-87-6	4-Isopropyltoluene	38.8	--	6.0E+09	--	6.4E-09	--	1.4E+09	--	2.7E-08
A8	5/6/2016	20.5	20	71-43-2	Benzene	29	1.0E+07	3.2E+07	2.8E-11	9.0E-07	2.4E+05	7.7E+06	1.2E-10	3.8E-06
A8	5/6/2016	20.5	20	67-66-3	Chloroform	21.8	1.5E+07	1.2E+09	1.4E-11	1.8E-08	3.5E+05	2.9E+08	6.3E-11	7.5E-08

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A8	5/6/2016	20.5	20	75-71-8	Dichlorodifluoromethane	326	--	1.3E+09	--	2.6E-07	--	3.0E+08	--	1.1E-06
A8	5/6/2016	20.5	20	100-41-4	Ethylbenzene	35.4	1.6E+08	1.4E+10	2.3E-12	2.5E-09	3.6E+06	3.3E+09	9.9E-12	1.1E-08
A8	5/6/2016	20.5	20	76-13-1	Freon 113	90.2	--	7.7E+11	--	1.2E-10	--	1.8E+11	--	4.9E-10
A8	5/6/2016	20.5	20	127-18-4	Tetrachloroethylene	12900	8.7E+07	6.6E+08	1.5E-09	1.9E-05	2.0E+06	1.6E+08	6.5E-09	8.2E-05
A8	5/6/2016	20.5	20	108-88-3	Toluene	204	--	3.7E+09	--	5.5E-08	--	8.8E+08	--	2.3E-07
A8	5/6/2016	20.5	20	79-01-6	Trichloroethylene	1820	9.5E+07	2.8E+07	1.9E-10	6.5E-05	1.5E+06	6.7E+06	1.2E-09	2.7E-04
A8	5/6/2016	20.5	20	1330-20-7	Xylenes	213	--	1.4E+09	--	1.5E-07	--	3.3E+08	--	6.4E-07
A9	5/6/2016	30.5	30	75-35-4	1,1-Dichloroethene	345	--	9.7E+08	--	3.6E-07	--	2.3E+08	--	1.5E-06
A9	5/6/2016	30.5	30	67-66-3	Chloroform	29.2	1.9E+07	1.5E+09	1.6E-11	1.9E-08	4.3E+05	3.6E+08	6.8E-11	8.1E-08
A9	5/6/2016	30.5	30	75-71-8	Dichlorodifluoromethane	454	--	1.6E+09	--	2.9E-07	--	3.7E+08	--	1.2E-06
A9	5/6/2016	30.5	30	76-13-1	Freon 113	122	--	9.5E+11	--	1.3E-10	--	2.3E+11	--	5.4E-10
A9	5/6/2016	30.5	30	127-18-4	Tetrachloroethylene	8010	1.1E+08	8.2E+08	7.4E-10	9.7E-06	2.5E+06	2.0E+08	3.2E-09	4.1E-05
A9	5/6/2016	30.5	30	79-01-6	Trichloroethylene	2140	1.2E+08	3.5E+07	1.8E-10	6.2E-05	1.9E+06	8.3E+06	1.1E-09	2.6E-04
A10	5/6/2016	30.5	30	71-55-6	1,1,1-Trichloroethane	19.4	--	1.8E+10	--	1.1E-09	--	4.4E+09	--	4.4E-09
A10	5/6/2016	30.5	30	75-71-8	Dichlorodifluoromethane	307	--	1.6E+09	--	2.0E-07	--	3.7E+08	--	8.2E-07
A10	5/6/2016	30.5	30	76-13-1	Freon 113	94.4	--	9.5E+11	--	9.9E-11	--	2.3E+11	--	4.2E-10
A10	5/6/2016	30.5	30	127-18-4	Tetrachloroethylene	8810	1.1E+08	8.2E+08	8.1E-10	1.1E-05	2.5E+06	2.0E+08	3.6E-09	4.5E-05
A10	5/6/2016	30.5	30	108-88-3	Toluene	60.6	--	4.6E+09	--	1.3E-08	--	1.1E+09	--	5.5E-08
A10	5/6/2016	30.5	30	79-01-6	Trichloroethylene	801	1.2E+08	3.5E+07	6.8E-11	2.3E-05	1.9E+06	8.3E+06	4.2E-10	9.7E-05
A10	5/6/2016	30.5	30	1330-20-7	Xylenes	31.4	--	1.7E+09	--	1.8E-08	--	4.1E+08	--	7.6E-08
A11	5/6/2016	20.5	20	71-55-6	1,1,1-Trichloroethane	25.8	--	1.5E+10	--	1.7E-09	--	3.5E+09	--	7.3E-09
A11	5/6/2016	20.5	20	95-63-6	1,2,4-Trimethylbenzene	22.2	--	1.1E+08	--	2.0E-07	--	2.6E+07	--	8.5E-07
A11	5/6/2016	20.5	20	75-71-8	Dichlorodifluoromethane	66	--	1.3E+09	--	5.2E-08	--	3.0E+08	--	2.2E-07
A11	5/6/2016	20.5	20	127-18-4	Tetrachloroethylene	1800	8.7E+07	6.6E+08	2.1E-10	2.7E-06	2.0E+06	1.6E+08	9.0E-10	1.1E-05
A11	5/6/2016	20.5	20	108-88-3	Toluene	67.6	--	3.7E+09	--	1.8E-08	--	8.8E+08	--	7.7E-08
A11	5/6/2016	20.5	20	79-01-6	Trichloroethylene	30.8	9.5E+07	2.8E+07	3.2E-12	1.1E-06	1.5E+06	6.7E+06	2.0E-11	4.6E-06
A11	5/6/2016	20.5	20	1330-20-7	Xylenes	59	--	1.4E+09	--	4.2E-08	--	3.3E+08	--	1.8E-07
A12	5/6/2016	17	15	71-55-6	1,1,1-Trichloroethane	146	--	1.3E+10	--	1.1E-08	--	3.1E+09	--	4.7E-08
A12	5/6/2016	17	15	75-71-8	Dichlorodifluoromethane	38.8	--	1.1E+09	--	3.5E-08	--	2.7E+08	--	1.5E-07
A12	5/6/2016	17	15	127-18-4	Tetrachloroethylene	972	7.7E+07	5.8E+08	1.3E-10	1.7E-06	1.8E+06	1.4E+08	5.5E-10	7.0E-06
A12	5/6/2016	17	15	108-88-3	Toluene	72	--	3.3E+09	--	2.2E-08	--	7.8E+08	--	9.3E-08
A12	5/6/2016	17	15	79-01-6	Trichloroethylene	94.4	8.4E+07	2.5E+07	1.1E-11	3.8E-06	1.3E+06	5.9E+06	7.0E-11	1.6E-05
A12	5/6/2016	17	15	1330-20-7	Xylenes	32.2	--	1.2E+09	--	2.6E-08	--	2.9E+08	--	1.1E-07
A13	5/6/2016	17	15	71-55-6	1,1,1-Trichloroethane	6060	--	1.3E+10	--	4.6E-07	--	3.1E+09	--	2.0E-06
A13	5/6/2016	17	15	75-35-4	1,1-Dichloroethene	909	--	6.9E+08	--	1.3E-06	--	1.6E+08	--	5.5E-06

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A13	5/6/2016	17	15	75-71-8	Dichlorodifluoromethane	23.6	--	1.1E+09	--	2.1E-08	--	2.7E+08	--	8.9E-08
A13	5/6/2016	17	15	127-18-4	Tetrachloroethylene	1070	7.7E+07	5.8E+08	1.4E-10	1.8E-06	1.8E+06	1.4E+08	6.1E-10	7.7E-06
A13	5/6/2016	17	15	108-88-3	Toluene	52.4	--	3.3E+09	--	1.6E-08	--	7.8E+08	--	6.8E-08
A13	5/6/2016	17	15	79-01-6	Trichloroethylene	243	8.4E+07	2.5E+07	2.9E-11	9.9E-06	1.3E+06	5.9E+06	1.8E-10	4.2E-05
B2	5/6/2016	16.5	15	71-55-6	1,1,1-Trichloroethane	67.6	--	1.3E+10	--	5.2E-09	--	3.1E+09	--	2.2E-08
B2	5/6/2016	16.5	15	95-63-6	1,2,4-Trimethylbenzene	124	--	9.7E+07	--	1.3E-06	--	2.3E+07	--	5.4E-06
B2	5/6/2016	16.5	15	108-67-8	1,3,5-Trimethylbenzene	31.8	--	5.6E+08	--	5.7E-08	--	1.3E+08	--	2.4E-07
B2	5/6/2016	16.5	15	99-87-6	4-Isopropyltoluene	23.2	--	5.3E+09	--	4.4E-09	--	1.3E+09	--	1.8E-08
B2	5/6/2016	16.5	15	71-43-2	Benzene	65	9.1E+06	2.8E+07	7.1E-11	2.3E-06	2.1E+05	6.7E+06	3.1E-10	9.6E-06
B2	5/6/2016	16.5	15	75-71-8	Dichlorodifluoromethane	116	--	1.1E+09	--	1.0E-07	--	2.7E+08	--	4.4E-07
B2	5/6/2016	16.5	15	100-41-4	Ethylbenzene	105	1.4E+08	1.2E+10	7.6E-12	8.5E-09	3.2E+06	2.9E+09	3.3E-11	3.6E-08
B2	5/6/2016	16.5	15	127-18-4	Tetrachloroethylene	3310	7.7E+07	5.8E+08	4.3E-10	5.7E-06	1.8E+06	1.4E+08	1.9E-09	2.4E-05
B2	5/6/2016	16.5	15	108-88-3	Toluene	574	--	3.3E+09	--	1.8E-07	--	7.8E+08	--	7.4E-07
B2	5/6/2016	16.5	15	79-01-6	Trichloroethylene	78.4	8.4E+07	2.5E+07	9.3E-12	3.2E-06	1.3E+06	5.9E+06	5.8E-11	1.3E-05
B2	5/6/2016	16.5	15	75-69-4	Trichlorofluoromethane	10.8	--	1.6E+10	--	6.9E-10	--	3.7E+09	--	2.9E-09
B2	5/6/2016	16.5	15	1330-20-7	Xylenes	628	--	1.2E+09	--	5.1E-07	--	2.9E+08	--	2.1E-06
B3	5/6/2016	17	15	71-55-6	1,1,1-Trichloroethane	28.2	--	1.3E+10	--	2.2E-09	--	3.1E+09	--	9.1E-09
B3	5/6/2016	17	15	95-63-6	1,2,4-Trimethylbenzene	619	--	9.7E+07	--	6.4E-06	--	2.3E+07	--	2.7E-05
B3	5/6/2016	17	15	108-67-8	1,3,5-Trimethylbenzene	177	--	5.6E+08	--	3.2E-07	--	1.3E+08	--	1.3E-06
B3	5/6/2016	17	15	99-87-6	4-Isopropyltoluene	4050	--	5.3E+09	--	7.6E-07	--	1.3E+09	--	3.2E-06
B3	5/6/2016	17	15	71-43-2	Benzene	124	9.1E+06	2.8E+07	1.4E-10	4.4E-06	2.1E+05	6.7E+06	5.9E-10	1.8E-05
B3	5/6/2016	17	15	75-71-8	Dichlorodifluoromethane	32.8	--	1.1E+09	--	2.9E-08	--	2.7E+08	--	1.2E-07
B3	5/6/2016	17	15	100-41-4	Ethylbenzene	335	1.4E+08	1.2E+10	2.4E-11	2.7E-08	3.2E+06	2.9E+09	1.1E-10	1.1E-07
B3	5/6/2016	17	15	103-65-1	n-Propylbenzene	67.6	--	1.4E+10	--	4.8E-09	--	3.3E+09	--	2.0E-08
B3	5/6/2016	17	15	127-18-4	Tetrachloroethylene	11300	7.7E+07	5.8E+08	1.5E-09	1.9E-05	1.8E+06	1.4E+08	6.4E-09	8.1E-05
B3	5/6/2016	17	15	108-88-3	Toluene	1290	--	3.3E+09	--	4.0E-07	--	7.8E+08	--	1.7E-06
B3	5/6/2016	17	15	79-01-6	Trichloroethylene	69.6	8.4E+07	2.5E+07	8.3E-12	2.8E-06	1.3E+06	5.9E+06	5.2E-11	1.2E-05
B3	5/6/2016	17	15	1330-20-7	Xylenes	1850	--	1.2E+09	--	1.5E-06	--	2.9E+08	--	6.3E-06
B4	5/6/2016	19	20	630-20-6	1,1,1,2-Tetrachloroethane	48.2	7.4E+07	2.3E+09	6.5E-12	2.1E-08	1.7E+06	5.6E+08	2.9E-11	8.7E-08
B4	5/6/2016	19	20	95-63-6	1,2,4-Trimethylbenzene	56.9	--	1.1E+08	--	5.2E-07	--	2.6E+07	--	2.2E-06
B4	5/6/2016	19	20	108-67-8	1,3,5-Trimethylbenzene	20.4	--	6.4E+08	--	3.2E-08	--	1.5E+08	--	1.3E-07
B4	5/6/2016	19	20	99-87-6	4-Isopropyltoluene	60.6	--	6.0E+09	--	1.0E-08	--	1.4E+09	--	4.2E-08
B4	5/6/2016	19	20	71-43-2	Benzene	20.8	1.0E+07	3.2E+07	2.0E-11	6.5E-07	2.4E+05	7.7E+06	8.8E-11	2.7E-06
B4	5/6/2016	19	20	75-71-8	Dichlorodifluoromethane	90.8	--	1.3E+09	--	7.2E-08	--	3.0E+08	--	3.0E-07
B4	5/6/2016	19	20	100-41-4	Ethylbenzene	30.5	1.6E+08	1.4E+10	1.9E-12	2.2E-09	3.6E+06	3.3E+09	8.5E-12	9.1E-09

Boring ID	Sample Date	Sample Depth (ft bgs)	RBC Depth Assigned	CAS Number	Analyte	Concentration in Soil Vapor ($\mu\text{g}/\text{m}^3$)	Future Commercial Worker				Future Resident			
							RBC _{SV-C} ($\mu\text{g}/\text{m}^3$)	RBC _{SV-NC} ($\mu\text{g}/\text{m}^3$)	Cancer Risk	Noncancer Hazard	RBC _{SV-C} ($\mu\text{g}/\text{m}^3$)	RBC _{SV-NC} ($\mu\text{g}/\text{m}^3$)	Cancer Risk	Noncancer Hazard
B4	5/6/2016	19	20	104-51-8	n-Butylbenzene	24.2	--	3.6E+09	--	6.7E-09	--	8.7E+08	--	2.8E-08
B4	5/6/2016	19	20	127-18-4	Tetrachloroethylene	1030000	8.7E+07	6.6E+08	1.2E-07	1.5E-03	2.0E+06	1.6E+08	5.2E-07	6.5E-03
B4	5/6/2016	19	20	108-88-3	Toluene	127	--	3.7E+09	--	3.4E-08	--	8.8E+08	--	1.4E-07
B4	5/6/2016	19	20	79-01-6	Trichloroethylene	431	9.5E+07	2.8E+07	4.5E-11	1.5E-05	1.5E+06	6.7E+06	2.8E-10	6.5E-05
B4	5/6/2016	19	20	1330-20-7	Xylenes	182	--	1.4E+09	--	1.3E-07	--	3.3E+08	--	5.5E-07
B5	5/6/2016	20	20	630-20-6	1,1,1,2-Tetrachloroethane	103	7.4E+07	2.3E+09	1.4E-11	4.4E-08	1.7E+06	5.6E+08	6.1E-11	1.9E-07
B5	5/6/2016	20	20	95-63-6	1,2,4-Trimethylbenzene	20	--	1.1E+08	--	1.8E-07	--	2.6E+07	--	7.6E-07
B5	5/6/2016	20	20	99-87-6	4-Isopropyltoluene	27.9	--	6.0E+09	--	4.6E-09	--	1.4E+09	--	1.9E-08
B5	5/6/2016	20	20	71-43-2	Benzene	13.4	1.0E+07	3.2E+07	1.3E-11	4.2E-07	2.4E+05	7.7E+06	5.7E-11	1.7E-06
B5	5/6/2016	20	20	75-71-8	Dichlorodifluoromethane	269	--	1.3E+09	--	2.1E-07	--	3.0E+08	--	8.9E-07
B5	5/6/2016	20	20	100-41-4	Ethylbenzene	72.4	1.6E+08	1.4E+10	4.6E-12	5.2E-09	3.6E+06	3.3E+09	2.0E-11	2.2E-08
B5	5/6/2016	20	20	127-18-4	Tetrachloroethylene	1410000	8.7E+07	6.6E+08	1.6E-07	2.1E-03	2.0E+06	1.6E+08	7.1E-07	8.9E-03
B5	5/6/2016	20	20	108-88-3	Toluene	72.5	--	3.7E+09	--	2.0E-08	--	8.8E+08	--	8.2E-08
B5	5/6/2016	20	20	79-01-6	Trichloroethylene	373	9.5E+07	2.8E+07	3.9E-11	1.3E-05	1.5E+06	6.7E+06	2.4E-10	5.6E-05
B5	5/6/2016	20	20	1330-20-7	Xylenes	85.2	--	1.4E+09	--	6.1E-08	--	3.3E+08	--	2.6E-07
B8	5/6/2016	20.5	20	75-34-3	1,1-Dichloroethane	20.2	2.0E+08	9.2E+09	1.0E-12	2.2E-09	4.6E+06	2.2E+09	4.4E-12	9.2E-09
B8	5/6/2016	20.5	20	75-35-4	1,1-Dichloroethene	341	--	7.8E+08	--	4.4E-07	--	1.9E+08	--	1.8E-06
B8	5/6/2016	20.5	20	67-66-3	Chloroform	58.7	1.5E+07	1.2E+09	3.9E-11	4.8E-08	3.5E+05	2.9E+08	1.7E-10	2.0E-07
B8	5/6/2016	20.5	20	75-71-8	Dichlorodifluoromethane	3060	--	1.3E+09	--	2.4E-06	--	3.0E+08	--	1.0E-05
B8	5/6/2016	20.5	20	76-13-1	Freon 113	390	--	7.7E+11	--	5.1E-10	--	1.8E+11	--	2.1E-09
B8	5/6/2016	20.5	20	127-18-4	Tetrachloroethylene	14600	8.7E+07	6.6E+08	1.7E-09	2.2E-05	2.0E+06	1.6E+08	7.3E-09	9.2E-05
B8	5/6/2016	20.5	20	108-88-3	Toluene	11.3	--	3.7E+09	--	3.1E-09	--	8.8E+08	--	1.3E-08
B8	5/6/2016	20.5	20	79-01-6	Trichloroethylene	6380	9.5E+07	2.8E+07	6.7E-10	2.3E-04	1.5E+06	6.7E+06	4.2E-09	9.6E-04
B9	5/6/2016	30.5	30	75-34-3	1,1-Dichloroethane	21.2	2.5E+08	1.1E+10	8.5E-13	1.9E-09	5.7E+06	2.7E+09	3.7E-12	7.8E-09
B9	5/6/2016	30.5	30	75-35-4	1,1-Dichloroethene	449	--	9.7E+08	--	4.6E-07	--	2.3E+08	--	1.9E-06
B9	5/6/2016	30.5	30	95-63-6	1,2,4-Trimethylbenzene	71.1	--	1.4E+08	--	5.2E-07	--	3.3E+07	--	2.2E-06
B9	5/6/2016	30.5	30	108-67-8	1,3,5-Trimethylbenzene	26.2	--	7.9E+08	--	3.3E-08	--	1.9E+08	--	1.4E-07
B9	5/6/2016	30.5	30	99-87-6	4-Isopropyltoluene	36.3	--	7.5E+09	--	4.8E-09	--	1.8E+09	--	2.0E-08
B9	5/6/2016	30.5	30	71-43-2	Benzene	33	1.3E+07	4.0E+07	2.6E-11	8.3E-07	2.9E+05	9.5E+06	1.1E-10	3.5E-06
B9	5/6/2016	30.5	30	67-66-3	Chloroform	78.6	1.9E+07	1.5E+09	4.2E-11	5.2E-08	4.3E+05	3.6E+08	1.8E-10	2.2E-07
B9	5/6/2016	30.5	30	75-71-8	Dichlorodifluoromethane	2400	--	1.6E+09	--	1.5E-06	--	3.7E+08	--	6.4E-06
B9	5/6/2016	30.5	30	100-41-4	Ethylbenzene	40.1	1.9E+08	1.7E+10	2.1E-12	2.3E-09	4.5E+06	4.1E+09	9.0E-12	9.7E-09
B9	5/6/2016	30.5	30	76-13-1	Freon 113	385	--	9.5E+11	--	4.0E-10	--	2.3E+11	--	1.7E-09
B9	5/6/2016	30.5	30	104-51-8	n-Butylbenzene	24.8	--	4.5E+09	--	5.5E-09	--	1.1E+09	--	2.3E-08
B9	5/6/2016	30.5	30	127-18-4	Tetrachloroethylene	14400	1.1E+08	8.2E+08	1.3E-09	1.7E-05	2.5E+06	2.0E+08	5.8E-09	7.3E-05

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							RBC _{SV-C} ($\mu\text{g}/\text{m}^3$)	RBC _{SV-NC} ($\mu\text{g}/\text{m}^3$)	Cancer Risk	Noncancer Hazard	RBC _{SV-C} ($\mu\text{g}/\text{m}^3$)	RBC _{SV-NC} ($\mu\text{g}/\text{m}^3$)	Cancer Risk	Noncancer Hazard
B9	5/6/2016	30.5	30	108-88-3	Toluene	171	--	4.6E+09	--	3.7E-08	--	1.1E+09	--	1.6E-07
B9	5/6/2016	30.5	30	79-01-6	Trichloroethylene	8270	1.2E+08	3.5E+07	7.0E-10	2.4E-04	1.9E+06	8.3E+06	4.4E-09	1.0E-03
B9	5/6/2016	30.5	30	1330-20-7	Xylenes	235	--	1.7E+09	--	1.4E-07	--	4.1E+08	--	5.7E-07
B10	5/6/2016	30.5	30	75-35-4	1,1-Dichloroethene	424	--	9.7E+08	--	4.4E-07	--	2.3E+08	--	1.8E-06
B10	5/6/2016	30.5	30	67-66-3	Chloroform	55.2	1.9E+07	1.5E+09	2.9E-11	3.7E-08	4.3E+05	3.6E+08	1.3E-10	1.5E-07
B10	5/6/2016	30.5	30	75-71-8	Dichlorodifluoromethane	1730	--	1.6E+09	--	1.1E-06	--	3.7E+08	--	4.6E-06
B10	5/6/2016	30.5	30	76-13-1	Freon 113	297	--	9.5E+11	--	3.1E-10	--	2.3E+11	--	1.3E-09
B10	5/6/2016	30.5	30	127-18-4	Tetrachloroethylene	13800	1.1E+08	8.2E+08	1.3E-09	1.7E-05	2.5E+06	2.0E+08	5.6E-09	7.0E-05
B10	5/6/2016	30.5	30	108-88-3	Toluene	16.1	--	4.6E+09	--	3.5E-09	--	1.1E+09	--	1.5E-08
B10	5/6/2016	30.5	30	79-01-6	Trichloroethylene	4540	1.2E+08	3.5E+07	3.8E-10	1.3E-04	1.9E+06	8.3E+06	2.4E-09	5.5E-04
B11	5/6/2016	20.5	20	71-55-6	1,1,1-Trichloroethane	44.3	--	1.5E+10	--	3.0E-09	--	3.5E+09	--	1.3E-08
B11	5/6/2016	20.5	20	99-87-6	4-Isopropyltoluene	22.6	--	6.0E+09	--	3.7E-09	--	1.4E+09	--	1.6E-08
B11	5/6/2016	20.5	20	75-71-8	Dichlorodifluoromethane	312	--	1.3E+09	--	2.5E-07	--	3.0E+08	--	1.0E-06
B11	5/6/2016	20.5	20	76-13-1	Freon 113	89	--	7.7E+11	--	1.2E-10	--	1.8E+11	--	4.9E-10
B11	5/6/2016	20.5	20	127-18-4	Tetrachloroethylene	3630	8.7E+07	6.6E+08	4.2E-10	5.5E-06	2.0E+06	1.6E+08	1.8E-09	2.3E-05
B11	5/6/2016	20.5	20	79-01-6	Trichloroethylene	19.1	9.5E+07	2.8E+07	2.0E-12	6.8E-07	1.5E+06	6.7E+06	1.3E-11	2.9E-06
B12	5/6/2016	17	15	71-55-6	1,1,1-Trichloroethane	491	--	1.3E+10	--	3.8E-08	--	3.1E+09	--	1.6E-07
B12	5/6/2016	17	15	75-35-4	1,1-Dichloroethene	71.4	--	6.9E+08	--	1.0E-07	--	1.6E+08	--	4.4E-07
B12	5/6/2016	17	15	127-18-4	Tetrachloroethylene	5790	7.7E+07	5.8E+08	7.6E-10	9.9E-06	1.8E+06	1.4E+08	3.3E-09	4.2E-05
B13	5/6/2016	17	15	71-55-6	1,1,1-Trichloroethane	107	--	1.3E+10	--	8.2E-09	--	3.1E+09	--	3.4E-08
B13	5/6/2016	17	15	75-71-8	Dichlorodifluoromethane	11.6	--	1.1E+09	--	1.0E-08	--	2.7E+08	--	4.4E-08
B13	5/6/2016	17	15	127-18-4	Tetrachloroethylene	323	7.7E+07	5.8E+08	4.2E-11	5.5E-07	1.8E+06	1.4E+08	1.8E-10	2.3E-06
B13	5/6/2016	17	15	108-88-3	Toluene	10	--	3.3E+09	--	3.1E-09	--	7.8E+08	--	1.3E-08
B13	5/6/2016	17	15	79-01-6	Trichloroethylene	17	8.4E+07	2.5E+07	2.0E-12	6.9E-07	1.3E+06	5.9E+06	1.3E-11	2.9E-06
B14	5/6/2016	17	15	71-55-6	1,1,1-Trichloroethane	14.4	--	1.3E+10	--	1.1E-09	--	3.1E+09	--	4.6E-09
B14	5/6/2016	17	15	75-71-8	Dichlorodifluoromethane	8.2	--	1.1E+09	--	7.3E-09	--	2.7E+08	--	3.1E-08
B14	5/6/2016	17	15	127-18-4	Tetrachloroethylene	143	7.7E+07	5.8E+08	1.9E-11	2.4E-07	1.8E+06	1.4E+08	8.1E-11	1.0E-06
B14	5/6/2016	17	15	108-88-3	Toluene	80.6	--	3.3E+09	--	2.5E-08	--	7.8E+08	--	1.0E-07
B14	5/6/2016	17	15	79-01-6	Trichloroethylene	41.4	8.4E+07	2.5E+07	4.9E-12	1.7E-06	1.3E+06	5.9E+06	3.1E-11	7.1E-06
B14	5/6/2016	17	15	1330-20-7	Xylenes	27	--	1.2E+09	--	2.2E-08	--	2.9E+08	--	9.2E-08
B15	5/6/2016	4	4	75-71-8	Dichlorodifluoromethane	16.6	--	2.9E+08	--	5.7E-08	--	7.0E+07	--	2.4E-07
B15	5/6/2016	4	4	127-18-4	Tetrachloroethylene	222	2.0E+07	1.5E+08	1.1E-10	1.5E-06	4.5E+05	3.6E+07	4.9E-10	6.2E-06
B15	5/6/2016	4	4	108-88-3	Toluene	18.4	--	8.5E+08	--	2.2E-08	--	2.0E+08	--	9.1E-08
B15	5/6/2016	4	4	79-01-6	Trichloroethylene	31.8	2.2E+07	6.4E+06	1.5E-11	5.0E-06	3.5E+05	1.5E+06	9.1E-11	2.1E-05
LB1	5/6/2016	15	15	71-55-6	1,1,1-Trichloroethane	39.2	--	1.3E+10	--	3.0E-09	--	3.1E+09	--	1.3E-08

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LB1	5/6/2016	15	15	75-71-8	Dichlorodifluoromethane	43.4	--	1.1E+09	--	3.9E-08	--	2.7E+08	--	1.6E-07
LB1	5/6/2016	15	15	127-18-4	Tetrachloroethylene	423	7.7E+07	5.8E+08	5.5E-11	7.2E-07	1.8E+06	1.4E+08	2.4E-10	3.0E-06
LB1	5/6/2016	15	15	108-88-3	Toluene	76	--	3.3E+09	--	2.3E-08	--	7.8E+08	--	9.8E-08
LB1	5/6/2016	15	15	79-01-6	Trichloroethylene	38	8.4E+07	2.5E+07	4.5E-12	1.5E-06	1.3E+06	5.9E+06	2.8E-11	6.5E-06
LB1	5/6/2016	15	15	1330-20-7	Xylenes	11.6	--	1.2E+09	--	9.4E-09	--	2.9E+08	--	4.0E-08
LB1	5/6/2016	20.5	20	71-55-6	1,1,1-Trichloroethane	167	--	1.5E+10	--	1.1E-08	--	3.5E+09	--	4.7E-08
LB1	5/6/2016	20.5	20	75-71-8	Dichlorodifluoromethane	33	--	1.3E+09	--	2.6E-08	--	3.0E+08	--	1.1E-07
LB1	5/6/2016	20.5	20	127-18-4	Tetrachloroethylene	11000	8.7E+07	6.6E+08	1.3E-09	1.7E-05	2.0E+06	1.6E+08	5.5E-09	7.0E-05
LB1	5/6/2016	20.5	20	108-88-3	Toluene	45.4	--	3.7E+09	--	1.2E-08	--	8.8E+08	--	5.2E-08
LB1	5/6/2016	20.5	20	79-01-6	Trichloroethylene	332	9.5E+07	2.8E+07	3.5E-11	1.2E-05	1.5E+06	6.7E+06	2.2E-10	5.0E-05
LB2	5/6/2016	19.5	20	71-43-2	Benzene	15.2	1.0E+07	3.2E+07	1.5E-11	4.7E-07	2.4E+05	7.7E+06	6.4E-11	2.0E-06
LB2	5/6/2016	19.5	20	75-71-8	Dichlorodifluoromethane	99.2	--	1.3E+09	--	7.8E-08	--	3.0E+08	--	3.3E-07
LB2	5/6/2016	19.5	20	127-18-4	Tetrachloroethylene	63200	8.7E+07	6.6E+08	7.3E-09	9.5E-05	2.0E+06	1.6E+08	3.2E-08	4.0E-04
LB2	5/6/2016	19.5	20	108-88-3	Toluene	68.2	--	3.7E+09	--	1.8E-08	--	8.8E+08	--	7.7E-08
LB2	5/6/2016	19.5	20	79-01-6	Trichloroethylene	110	9.5E+07	2.8E+07	1.2E-11	3.9E-06	1.5E+06	6.7E+06	7.2E-11	1.7E-05
LB3	5/6/2016	20	20	630-20-6	1,1,1,2-Tetrachloroethane	635	7.4E+07	2.3E+09	8.6E-11	2.7E-07	1.7E+06	5.6E+08	3.8E-10	1.1E-06
LB3	5/6/2016	20	20	71-55-6	1,1,1-Trichloroethane	8	--	1.5E+10	--	5.4E-10	--	3.5E+09	--	2.3E-09
LB3	5/6/2016	20	20	75-35-4	1,1-Dichloroethene	242	--	7.8E+08	--	3.1E-07	--	1.9E+08	--	1.3E-06
LB3	5/6/2016	20	20	71-43-2	Benzene	26.9	1.0E+07	3.2E+07	2.6E-11	8.4E-07	2.4E+05	7.7E+06	1.1E-10	3.5E-06
LB3	5/6/2016	20	20	67-66-3	Chloroform	67	1.5E+07	1.2E+09	4.4E-11	5.5E-08	3.5E+05	2.9E+08	1.9E-10	2.3E-07
LB3	5/6/2016	20	20	75-71-8	Dichlorodifluoromethane	200	--	1.3E+09	--	1.6E-07	--	3.0E+08	--	6.6E-07
LB3	5/6/2016	20	20	100-41-4	Ethylbenzene	35.7	1.6E+08	1.4E+10	2.3E-12	2.5E-09	3.6E+06	3.3E+09	9.9E-12	1.1E-08
LB3	5/6/2016	20	20	127-18-4	Tetrachloroethylene	10600000	8.7E+07	6.6E+08	1.2E-06	1.6E-02	2.0E+06	1.6E+08	5.3E-06	6.7E-02
LB3	5/6/2016	20	20	108-88-3	Toluene	114	--	3.7E+09	--	3.1E-08	--	8.8E+08	--	1.3E-07
LB3	5/6/2016	20	20	79-01-6	Trichloroethylene	4930	9.5E+07	2.8E+07	5.2E-10	1.8E-04	1.5E+06	6.7E+06	3.2E-09	7.4E-04
LB3	5/6/2016	20	20	1330-20-7	Xylenes	35.3	--	1.4E+09	--	2.5E-08	--	3.3E+08	--	1.1E-07
LB4	5/6/2016	20.5	20	630-20-6	1,1,1,2-Tetrachloroethane	10.6	7.4E+07	2.3E+09	1.4E-12	4.5E-09	1.7E+06	5.6E+08	6.3E-12	1.9E-08
LB4	5/6/2016	20.5	20	95-63-6	1,2,4-Trimethylbenzene	10.6	--	1.1E+08	--	9.6E-08	--	2.6E+07	--	4.0E-07
LB4	5/6/2016	20.5	20	99-87-6	4-Isopropyltoluene	18.3	--	6.0E+09	--	3.0E-09	--	1.4E+09	--	1.3E-08
LB4	5/6/2016	20.5	20	71-43-2	Benzene	25.2	1.0E+07	3.2E+07	2.4E-11	7.8E-07	2.4E+05	7.7E+06	1.1E-10	3.3E-06
LB4	5/6/2016	20.5	20	75-71-8	Dichlorodifluoromethane	698	--	1.3E+09	--	5.5E-07	--	3.0E+08	--	2.3E-06
LB4	5/6/2016	20.5	20	100-41-4	Ethylbenzene	32	1.6E+08	1.4E+10	2.0E-12	2.3E-09	3.6E+06	3.3E+09	8.9E-12	9.6E-09
LB4	5/6/2016	20.5	20	76-13-1	Freon 113	107	--	7.7E+11	--	1.4E-10	--	1.8E+11	--	5.9E-10
LB4	5/6/2016	20.5	20	127-18-4	Tetrachloroethylene	544000	8.7E+07	6.6E+08	6.2E-08	8.2E-04	2.0E+06	1.6E+08	2.7E-07	3.4E-03
LB4	5/6/2016	20.5	20	108-88-3	Toluene	175	--	3.7E+09	--	4.7E-08	--	8.8E+08	--	2.0E-07

Boring ID	Sample Date	Sample Depth (ft bgs)	RBC Depth Assigned	CAS Number	Analyte	Concentration in Soil Vapor ($\mu\text{g}/\text{m}^3$)	Future Commercial Worker				Future Resident			
							RBC _{SV-C} ($\mu\text{g}/\text{m}^3$)	RBC _{SV-NC} ($\mu\text{g}/\text{m}^3$)	Cancer Risk	Noncancer Hazard	RBC _{SV-C} ($\mu\text{g}/\text{m}^3$)	RBC _{SV-NC} ($\mu\text{g}/\text{m}^3$)	Cancer Risk	Noncancer Hazard
LB4	5/6/2016	20.5	20	79-01-6	Trichloroethylene	648	9.5E+07	2.8E+07	6.8E-11	2.3E-05	1.5E+06	6.7E+06	4.2E-10	9.7E-05
LB4	5/6/2016	20.5	20	1330-20-7	Xylenes	156	--	1.4E+09	--	1.1E-07	--	3.3E+08	--	4.7E-07
LB5	5/6/2016	14.5	15	75-71-8	Dichlorodifluoromethane	754	--	1.1E+09	--	6.8E-07	--	2.7E+08	--	2.8E-06
LB5	5/6/2016	14.5	15	76-13-1	Freon 113	141	--	6.7E+11	--	2.1E-10	--	1.6E+11	--	8.8E-10
LB5	5/6/2016	14.5	15	127-18-4	Tetrachloroethylene	11800	7.7E+07	5.8E+08	1.5E-09	2.0E-05	1.8E+06	1.4E+08	6.7E-09	8.5E-05
LB5	5/6/2016	14.5	15	108-88-3	Toluene	54.7	--	3.3E+09	--	1.7E-08	--	7.8E+08	--	7.1E-08
LB5	5/6/2016	14.5	15	79-01-6	Trichloroethylene	881	8.4E+07	2.5E+07	1.0E-10	3.6E-05	1.3E+06	5.9E+06	6.6E-10	1.5E-04
LB5	5/6/2016	14.5	15	1330-20-7	Xylenes	21.4	--	1.2E+09	--	1.7E-08	--	2.9E+08	--	7.3E-08
LB5	5/6/2016	20.5	20	95-63-6	1,2,4-Trimethylbenzene	12.3	--	1.1E+08	--	1.1E-07	--	2.6E+07	--	4.7E-07
LB5	5/6/2016	20.5	20	99-87-6	4-Isopropyltoluene	16.9	--	6.0E+09	--	2.8E-09	--	1.4E+09	--	1.2E-08
LB5	5/6/2016	20.5	20	71-43-2	Benzene	27.4	1.0E+07	3.2E+07	2.6E-11	8.5E-07	2.4E+05	7.7E+06	1.2E-10	3.6E-06
LB5	5/6/2016	20.5	20	67-66-3	Chloroform	14.2	1.5E+07	1.2E+09	9.4E-12	1.2E-08	3.5E+05	2.9E+08	4.1E-11	4.9E-08
LB5	5/6/2016	20.5	20	75-71-8	Dichlorodifluoromethane	927	--	1.3E+09	--	7.3E-07	--	3.0E+08	--	3.1E-06
LB5	5/6/2016	20.5	20	100-41-4	Ethylbenzene	23.2	1.6E+08	1.4E+10	1.5E-12	1.7E-09	3.6E+06	3.3E+09	6.5E-12	7.0E-09
LB5	5/6/2016	20.5	20	76-13-1	Freon 113	186	--	7.7E+11	--	2.4E-10	--	1.8E+11	--	1.0E-09
LB5	5/6/2016	20.5	20	127-18-4	Tetrachloroethylene	12400	8.7E+07	6.6E+08	1.4E-09	1.9E-05	2.0E+06	1.6E+08	6.2E-09	7.8E-05
LB5	5/6/2016	20.5	20	108-88-3	Toluene	169	--	3.7E+09	--	4.6E-08	--	8.8E+08	--	1.9E-07
LB5	5/6/2016	20.5	20	79-01-6	Trichloroethylene	1500	9.5E+07	2.8E+07	1.6E-10	5.4E-05	1.5E+06	6.7E+06	9.8E-10	2.3E-04
LB5	5/6/2016	20.5	20	1330-20-7	Xylenes	115	--	1.4E+09	--	8.2E-08	--	3.3E+08	--	3.5E-07
LB6	5/6/2016	17	15	71-55-6	1,1,1-Trichloroethane	17.4	--	1.3E+10	--	1.3E-09	--	3.1E+09	--	5.6E-09
LB6	5/6/2016	17	15	75-35-4	1,1-Dichloroethene	67.6	--	6.9E+08	--	9.8E-08	--	1.6E+08	--	4.1E-07
LB6	5/6/2016	17	15	127-18-4	Tetrachloroethylene	1590	7.7E+07	5.8E+08	2.1E-10	2.7E-06	1.8E+06	1.4E+08	9.1E-10	1.1E-05
LB6	5/6/2016	17	15	79-01-6	Trichloroethylene	115	8.4E+07	2.5E+07	1.4E-11	4.7E-06	1.3E+06	5.9E+06	8.6E-11	2.0E-05
LB7	5/6/2016	17	15	71-55-6	1,1,1-Trichloroethane	85.6	--	1.3E+10	--	6.6E-09	--	3.1E+09	--	2.8E-08
LB7	5/6/2016	17	15	75-35-4	1,1-Dichloroethene	67.3	--	6.9E+08	--	9.8E-08	--	1.6E+08	--	4.1E-07
LB7	5/6/2016	17	15	75-71-8	Dichlorodifluoromethane	185	--	1.1E+09	--	1.7E-07	--	2.7E+08	--	7.0E-07
LB7	5/6/2016	17	15	76-13-1	Freon 113	53.2	--	6.7E+11	--	7.9E-11	--	1.6E+11	--	3.3E-10
LB7	5/6/2016	17	15	127-18-4	Tetrachloroethylene	3280	7.7E+07	5.8E+08	4.3E-10	5.6E-06	1.8E+06	1.4E+08	1.9E-09	2.4E-05
LB7	5/6/2016	17	15	79-01-6	Trichloroethylene	42	8.4E+07	2.5E+07	5.0E-12	1.7E-06	1.3E+06	5.9E+06	3.1E-11	7.2E-06
LB8	5/6/2016	17	15	71-55-6	1,1,1-Trichloroethane	1630	--	1.3E+10	--	1.2E-07	--	3.1E+09	--	5.2E-07
LB8	5/6/2016	17	15	75-35-4	1,1-Dichloroethene	937	--	6.9E+08	--	1.4E-06	--	1.6E+08	--	5.7E-06
LB8	5/6/2016	17	15	99-87-6	4-Isopropyltoluene	8.6	--	5.3E+09	--	1.6E-09	--	1.3E+09	--	6.8E-09
LB8	5/6/2016	17	15	100-41-4	Ethylbenzene	17.8	1.4E+08	1.2E+10	1.3E-12	1.4E-09	3.2E+06	2.9E+09	5.6E-12	6.1E-09
LB8	5/6/2016	17	15	127-18-4	Tetrachloroethylene	14600	7.7E+07	5.8E+08	1.9E-09	2.5E-05	1.8E+06	1.4E+08	8.3E-09	1.0E-04
LB8	5/6/2016	17	15	108-88-3	Toluene	97.4	--	3.3E+09	--	3.0E-08	--	7.8E+08	--	1.3E-07

Boring ID	Sample Date	Sample Depth (ft bgs)	RBC Depth Assigned	CAS Number	Analyte	Concentration in Soil Vapor ($\mu\text{g}/\text{m}^3$)	Future Commercial Worker				Future Resident			
							RBC _{SV-C} ($\mu\text{g}/\text{m}^3$)	RBC _{SV-NC} ($\mu\text{g}/\text{m}^3$)	Cancer Risk	Noncancer Hazard	RBC _{SV-C} ($\mu\text{g}/\text{m}^3$)	RBC _{SV-NC} ($\mu\text{g}/\text{m}^3$)	Cancer Risk	Noncancer Hazard
LB8	5/6/2016	17	15	79-01-6	Trichloroethylene	173	8.4E+07	2.5E+07	2.1E-11	7.0E-06	1.3E+06	5.9E+06	1.3E-10	3.0E-05
LB8	5/6/2016	17	15	1330-20-7	Xylenes	89.1	--	1.2E+09	--	7.2E-08	--	2.9E+08	--	3.0E-07

Notes:

" -- " not applicable

$\mu\text{g}/\text{m}^3$ - micrograms per cubic meter

" ft bgs " feet below ground surface

RBC_{SV-C} - risk-based concentration based on cancer effects; RBC_{SV-NC} based on noncancer effects

RBCs based on target cancer risk = 10^{-5} for workers and 10^{-6} for future residents, and a target noncancer hazard = 1 for both receptors

Technical Memorandum

Date: January 2018
To: Los Angeles Regional Water Quality Control Board (LARWQCB)
From: Eric Smalstig and Cathy Villaroman, Geosyntec Consultants
Subject: **Addendum to HHRA dated May 2017, 777 North Front Street,
Burbank, California**

Introduction

On behalf of Northridge Properties, LLC, Geosyntec Consultants, Inc. (Geosyntec) has prepared this Technical Memorandum to present an addendum to the human health risk assessment (HHRA, dated May 2017) for the 8-acre proposed mixed use development at 777 North Front Street in Burbank, California (“Site”, **Figure 1**). The purpose of this HHRA Addendum was to evaluate the potential risk to human health associated with residual concentrations of chemicals detected in soil samples collected in October 2017 and in soil vapor samples collected in November 2017 by Geosyntec.

At LARWQCB’s request, Geosyntec performed additional soil and soil vapor sampling at the Site, which consisted of eight locations up to a depth of 88 feet (ft) below ground surface (bgs). This technical memorandum provides an evaluation of potential cancer risks and noncancer hazards associated with this recently collected data as it relates to the results presented in the May 2017 HHRA (Geosyntec, 2017). A summary of the detected volatile organic compounds (VOCs) in soil and soil vapor are presented in **Tables 1 and 2**. The overall approach used to estimate potential health risks to future residents, future commercial and construction workers was described in the HHRA report (Geosyntec, 2017). Note that the HHRA evaluated the planned use of the property as a mixed-use residential and commercial complex with proposed features including residential apartments, a hotel, ground floor commercial use, a park and bike hub with amphitheater style seating, multiple courtyards, and first floor as well as subterranean parking structures.

Human Health Risk Assessment

Risk-based concentrations (RBCs) were previously derived for soil and soil vapor in the HHRA. Potential exposures via incidental ingestion, dermal contact and outdoor air inhalation to chemicals detected in soil (**Table 1**), as well as potential vapor intrusion exposures to VOCs detected in soil vapor (**Table 2**) were evaluated for each sampling location by comparing the chemical concentration data to their respective RBCs. As discussed in the HHRA (Geosyntec, 2017), various demarcations of acceptable risk have been established by regulatory agencies. For future residents, Site-specific RBCs were derived using a target cancer risk level of 1×10^{-6} . For future commercial workers and future construction workers, Site-specific RBCs were derived using a target cancer risk level of 1×10^{-5} . This target risk of 1×10^{-5} for potential worker exposures has been used in many DTSC-approved risk assessments. It should be noted that the risk results presented in the risk characterization are independent of the target cancer risk used to derive the Site-specific RBCs and are therefore not affected by that assumption. The target hazard quotient (THQ) used for noncarcinogens of 1 was used for all receptor groups.

Potential cancer risks and noncancer hazards estimated in this HHRA Addendum is based on soil and soil vapor data collected more recently in 2017.

Results of the Human Health Risk Assessment

Cumulative cancer risks (CRs) and noncancer hazard indices (HIs) for each soil sample location are summarized in **Table 3** for future residents, future commercial workers, and future construction workers. Cumulative CRs and HIs for each soil vapor sample location are summarized in **Table 4** for future residents and future commercial workers for the slab-on-grade scenario, and in **Table 5** for the second floor scenario. The detailed cancer risk and noncancer hazard calculation spreadsheets are presented in **Attachment A**.

The results for each receptor and exposure pathway scenarios are summarized in the following subsections in relation to the target cancer risk and target noncancer hazard mentioned above.

Future Resident

Soil

Soil risk characterization results for future residents potentially exposed via ingestion, dermal contact, and outdoor inhalation for individual sampling locations with COPCs selected for this medium are provided in **Table 3**.

For the soil exposure pathways, the cumulative CR estimates for future residents were below the target cancer risk of 1×10^{-6} at all four sample locations, ranging from 5×10^{-10} to 1×10^{-7} . The cumulative HI estimates were below the target hazard of 1 at all sample locations, ranging from 3×10^{-6} to 5×10^{-4} .

Soil Vapor to Indoor Air

Soil vapor risk characterization results for future residents potentially exposed via indoor air inhalation for individual sampling locations are provided in **Table 4** for the slab-on-grade scenario and in **Table 5** for the second floor exposure scenario.

For the slab-on-grade scenario, the cumulative CR estimates for future residents ranged from 8×10^{-8} to 2×10^{-4} and exceeded the target risk of 1×10^{-6} at locations NP-2, NP-3, and NP-4. PCE was the primary risk driver. The cumulative HI estimates ranging from 1×10^{-3} to 3×10^0 were below the target hazard of 1 at all sample locations except for NP-3, with PCE as the primary HI driver (**Table 4**).

For the second floor exposure scenario, the cumulative CR estimates for future residents ranged from 1×10^{-9} to 3×10^{-6} and exceeded the target risk of 1×10^{-6} at only one sample location (NP-3). PCE was the primary risk driver. The cumulative HI estimates were below the target hazard of 1 at all sample locations, ranging from 2×10^{-5} to 4×10^{-2} (**Table 5**).

Future Commercial Worker

Soil

Soil risk characterization results for future commercial workers potentially exposed via ingestion, dermal contact, and outdoor inhalation for individual sampling locations with COPCs selected for this medium are provided in **Table 3**.

For the soil exposure pathways, the cumulative CR estimates for future commercial workers were below the target cancer risk of 1×10^{-5} at all sample locations, ranging from 1×10^{-10} to 2×10^{-8} . The cumulative HI estimates were below the target hazard of 1 at all sample locations, ranging from 5×10^{-7} to 1×10^{-4} .

Soil Vapor to Indoor Air

Soil vapor risk characterization results for future commercial workers potentially exposed via indoor air inhalation for individual sampling locations are provided in **Table 4** for the slab-on-grade scenario and in **Table 5** for the second floor exposure scenario.

For the slab-on-grade scenario, the cumulative CR estimates for future commercial workers ranged from 6×10^{-9} to 2×10^{-5} and exceeded the target risk of 1×10^{-5} at only one sample location (NP-3). PCE was the primary risk driver at this location. The cumulative HI estimates were less than the target hazard of 1 at all sample locations, ranging from 1×10^{-4} to 2×10^{-1} (**Table 4**).

For the second floor exposure scenario, the cumulative CR estimates for future commercial workers was below the target risk of 1×10^{-5} at all sample locations, ranging from 3×10^{-10} to 7×10^{-7} . The cumulative HI estimates were below the target hazard of 1 at all sample locations, ranging from 4×10^{-6} to 1×10^{-2} (**Table 5**).

Future Construction Worker

Soil

Soil risk characterization results for future construction workers potentially exposed via ingestion, dermal contact, and outdoor inhalation for individual sampling locations with COPCs selected for this medium are provided in **Table 3**.

For the soil exposure pathways, the cumulative CR estimates for future construction workers were below the target risk of 1×10^{-5} at all four sample locations, ranging from 2×10^{-11} to 4×10^{-9} . The cumulative HI estimates were below the target hazard of 1 at all sample locations, ranging from 3×10^{-6} to 7×10^{-4} .

Summary and Conclusions

This HHRA Addendum was prepared consistent with Cal-EPA and USEPA guidance. Potential cancer risk and noncancer hazard to future residents, future commercial workers, and future construction workers were evaluated assuming exposure occurs to residual COPC concentrations detected in soil and soil vapor samples collected from the Site. Mixed residential and commercial land use is planned for this Site; therefore, both of these scenarios were evaluated in this HHRA Addendum.

The cancer risk and noncancer hazard estimates presented in this HHRA likely over-estimate potential health risk because several conservative assumptions were used throughout the

HHRA process. Moreover, no engineering or other controls were included in the assessment that would reduce or mitigate exposures post-development.

The CRs and HIs calculated using the recent soil and soil vapor data are similar to previously reported results (Geosyntec, 2017).

For future residents, the cumulative CRs and HIs were below the target goals of 1×10^{-6} and 1, respectively, at all four soil sample locations recently sampled. For the soil vapor to indoor air pathway under the slab-on-grade scenario, the cumulative CR estimates for future residents exceeded the target risk of 1×10^{-6} at three sample locations, and the cumulative HI estimates were below the target hazard of 1 at all but one sample location. For the soil vapor to indoor air pathway under the second floor scenario, the cumulative CR estimates for future residents exceeded the target risk of 1×10^{-6} at only one sample location, and the cumulative HI estimates were below the target hazard at all sample locations.

For future commercial workers, the cumulative CRs and HIs were below the target goals of 1×10^{-5} and 1, respectively, at all four soil sample locations. For the soil vapor to indoor air pathway under the slab-on-grade scenario, the cumulative CR estimates for future commercial workers exceeded the target risk of 1×10^{-5} at only one sample location, and the cumulative HI estimates were below the target hazard of 1 at all sample locations. For the soil vapor to indoor air pathway under the second floor scenario, the cumulative CR and HI estimates for future commercial workers were below the target goals of 1×10^{-5} and 1, respectively, at all sample locations.

For future construction workers, the cumulative CRs and HIs were below the target goals of 1×10^{-5} and 1, respectively, at all four soil sample locations.

The results of this HHRA Addendum, similar to the HHRA, indicate that, given planned future mixed residential and commercial land uses, residual concentrations of COPCs that remain in the subsurface are not expected to pose a significant health concern across the Site. However, select sample locations have COPC concentrations that have the potential to impact human health and should therefore be considered further during development planning.

References

Geosyntec Consultants 2017. Draft Human Health Risk Assessment. 777 North Front Street, Burbank California. January.

Attachments

List of Tables

Table 1 Summary of Soil Analytical Results

Table 2 Summary of Soil Vapor Analytical Results

Table 3 Cumulative Cancer Risk and Noncancer Hazard, Soil

Table 4 Cumulative Cancer Risk and Noncancer Hazard, Soil Vapor Slab on Grade

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Figure 2 Soil and Soil Vapor Sample Locations

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Attachment A Cumulative Risk Evaluation

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TABLES

TABLE 1
2017 Supplemental Investigation - Soil Data
777 N. Front Street
Burbank, California

Location	Depth (ft)	Date Sampled				
			Benzene	PCE	Toluene	TCE
NP-1	12	10/9/2017	< 0.73	< 0.73	< 0.73	< 1.5
	22	10/9/2017	< 0.80	< 0.80	< 0.80	< 1.6
	50	10/9/2017	2.9	< 0.84	1.4	< 1.7
	67	10/9/2017	< 0.95	< 0.95	< 0.95	< 1.9
	88	10/9/2017	< 0.95	< 0.95	< 0.95	< 1.9
NP-2	6	10/9/2017	< 0.97	30	< 0.97	< 1.9
	28	10/9/2017	< 0.88	26	< 0.88	< 1.8
	36	10/9/2017	1.2	110	< 0.87	< 1.7
	50	10/10/2017	1.1	65	< 0.90	< 1.8
	80	10/10/2017	< 0.91	12	< 0.91	< 1.8
NP-3	12	10/10/2017	< 1.0	91	< 1.0	< 2.0
	16	10/10/2017	< 6.1	99	< 47	< 14
	32	10/10/2017	< 6.2	< 10	< 48	< 14
	46	10/10/2017	< 6.8	< 11	< 52	< 16
NP-4	10	10/11/2017	< 6.3	< 49	< 49	< 15
	18	10/11/2017	< 6.7	< 52	< 52	< 16
	40	10/11/2017	< 6.5	28 J	< 50	< 15
	58	10/11/2017	< 7.6	< 12	< 59	< 18
	80	10/11/2017	< 6.1	20 J	< 47	< 14
NP-5	18	10/11/2017	< 6.3	< 48	< 48	< 15
	36	10/11/2017	< 6.0	< 9.8	< 47	< 14
	45	10/11/2017	1.3	< 0.91	1.6	< 1.8
	56	10/11/2017	< 0.88	2.4	< 0.88	3.0
NP-6	16	10/13/2017	< 0.82	< 0.82	< 0.82	< 1.6
	26	10/13/2017	< 0.90	< 0.90	< 0.90	< 1.8
	40	10/13/2017	< 0.90	< 0.90	< 0.90	< 1.8
	55	10/13/2017	< 0.99	< 0.99	< 0.99	< 2.0
	88	10/13/2017	< 1.1	< 1.1	< 1.1	< 2.3
NP-7	22	10/12/2017	< 0.89	< 0.89	< 0.89	< 1.8
	34	10/12/2017	< 0.97	< 0.97	< 0.97	< 1.9
	49	10/12/2017	< 0.86	< 0.86	< 0.86	< 1.7
NP-8	18	10/12/2017	< 0.80	< 0.80	< 0.80	< 1.6
	24	10/12/2017	< 0.78	< 0.78	< 0.78	< 1.6
	42	10/12/2017	< 0.82	< 0.82	< 0.82	< 1.6
	59	10/12/2017	< 5.7	< 9.2	< 44	< 13
	81	10/12/2017	< 5.8	120	< 44	79 J

Notes:

All units are presented in µg/kg

< = less than specified RL with the exception of cells highlighted in green which are listed as

Bold = detected above the RL

= estimated values ("J") detected between MDL and RL, and above one of the noted screening

3. Other constituents were not detected above the RL.

TABLE 2
2017 Supplemental Investigation - Soil Vapor Data
777 N. Front Street
Burbank, California

Location	Depth (ft bgs)	Carbon Tetrachloride	Chloroform	Dichlorodifluoromethane/Freon 12	1,1-Dichloroethane	1,1-Dichloroethene (1,1-DCE)	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Freon 113	1,1,1,2-Tetrachloroethane	Tetrachloroethene (PCE)	Toluene	1,1,1-Trichloroethane (1,1,1-TCA)	Trichloroethene (TCE)	Trichlorofluoromethane/Freon 11
NP-1	19	ND<8	ND<8	79	ND<8	ND<8	ND<8	ND<8	ND<40	ND<8	26,500	ND<8	1100	38	ND<8
	19-Rep	ND<8	ND<8	90	ND<8	ND<8	ND<8	ND<8	ND<40	ND<8	20,000	ND<8	1090	82	ND<8
	49	ND<8	10	1720	ND<8	192	ND<8	ND<8	76	ND<8	21,800	ND<8	1010	54	ND<8
	70	ND<8	21	2530	ND<8	443	ND<8	ND<8	98	ND<8	13,200	ND<8	455	86	ND<8
	85	ND<8	22	2900	260	1090	ND<8	ND<8	ND<40	11	46,200	ND<8	157	508	ND<8
NP-2 ¹	15	ND<8	29	357	ND<8	ND<8	31	ND<8	ND<40	145	1,270,000	ND<8	ND<8	3350	ND<8
	37	ND<8	16	ND<8	ND<8	ND<8	ND<8	ND<8	41	147	1,450,000	ND<8	ND<8	2600	ND<8
	51	ND<8	93	ND<8	ND<8	45	ND<8	8	141	514	3,150,000	10	ND<8	3990	ND<8
	81	ND<8	109	ND<8	ND<8	129	ND<8	ND<8	108	131	1,570,000	ND<8	ND<8	3380	ND<8
NP-3 ²	13	ND<8	83	208	ND<8	ND<8	ND<8	10	ND<40	502	5,120,000	ND<8	ND<8	5120	ND<8
	33	ND<8	98	471	ND<8	14	20	10	ND<40	1240	8,030,000	20	8	4790	ND<8
	53	ND<8	181	ND<8	ND<8	ND<8	ND<8	ND<8	ND<40	587	3,480,000	ND<8	ND<8	3210	ND<8
NP-4 ³	13	ND<8	ND<8	485	ND<8	ND<8	ND<8	ND<8	ND<40	ND<8	1,890,000	ND<8	15	2340	ND<8
	35	ND<8	ND<8	ND<8	ND<8	26	ND<8	ND<8	84	5530	1,790,000	ND<8	ND<8	3430	ND<8
	51	ND<8	336	762	ND<8	22	ND<8	ND<8	46	124	684,000	ND<8	ND<8	2550	ND<8
	83	ND<8	1040	ND<8	ND<8	61	ND<8	ND<8	71	31	781,000	ND<8	ND<8	4950	ND<8
NP-5	15	ND<8	14	303	ND<8	ND<8	ND<8	ND<8	42	ND<8	6,610	ND<8	ND<8	7320	ND<8
	35	ND<8	120	1940	ND<8	102	ND<8	ND<8	229	ND<8	20,800	ND<8	ND<8	18900	ND<8
	57	ND<8	457	1070	ND<8	205	ND<8	ND<8	116	ND<8	18,000	ND<8	ND<8	11700	ND<8
NP-6	15	ND<8	ND<8	60	ND<8	ND<8	ND<8	ND<8	ND<40	ND<8	5,580	ND<8	22	13	ND<8
	40	ND<8	ND<8	ND<8	ND<8	462	ND<8	ND<8	ND<40	ND<8	5,580	ND<8	ND<8	178	ND<8
	60	ND<8	22	329	ND<8	502	ND<8	ND<8	ND<40	ND<8	4,440	ND<8	13	678	ND<8
	86	ND<8	ND<8	ND<8	ND<8	163	ND<8	ND<8	ND<40	ND<8	5,220	ND<8	ND<8	173	ND<8
NP-7	17	ND<8	ND<8	624	ND<8	ND<8	ND<8	ND<8	53	ND<8	5,450	ND<8	19.3	28.4	ND<8
	17-Rep	ND<8	ND<8	625	ND<8	ND<8	ND<8	ND<8	55	ND<8	5,920	ND<8	20.0	20	8
	35	ND<8	18	1830	ND<8	134	ND<8	ND<8	159	ND<8	7,920	ND<8	14.3	1160	18
	53	14	47	1040	9	991	ND<8	ND<8	117	ND<8	8,410	ND<8	20.4	3080	ND<8
NP-8	17	30	ND<8	33	ND<8	ND<8	ND<8	ND<8	ND<40	ND<8	2,290	ND<8	225	ND	ND<8
	37	34	ND<8	184	ND<8	109	ND<8	ND<8	ND<40	ND<8	3,440	ND<8	250	18	ND<8
	37-Rep	32	ND<8	181	ND<8	103	ND<8	ND<8	ND<40	ND<8	2,900	ND<8	242	17	ND<8
	57	9	ND<8	363	ND<8	1210	ND<8	ND<8	105	ND<8	3,370	ND<8	197	429	ND<8
	80	27	ND<8	450	ND<8	3840	ND<8	ND<8	186	ND<8	5,980	ND<8	196	2310	ND<8

Notes:

All units are presented in µg/m³

< = less than specified RL

1. PCE was analyzed at 250 dilution
2. PCE was analyzed at 2500 dilution
3. PCE was analyzed at 250 dilution
4. Other constituents were not detected above the RL.

Table 3
Cumulative Cancer Risk and Noncancer Hazard, Soil
777 North Front Street
Burbank, California

Boring Location	Sample Depth (ft bgs)	Future Resident		Future Commercial Worker		Future Construction Worker	
		Cancer Risk	Noncancer Hazard	Cancer Risk	Noncancer Hazard	Cancer Risk	Noncancer Hazard
NP-1	12	5E-10	3E-06	1E-10	5E-07	2E-11	3E-06
NP-2	6	3E-08	2E-04	7E-09	3E-05	1E-09	2E-04
NP-3	12	1E-07	5E-04	2E-08	1E-04	4E-09	7E-04
NP-4	10	1E-08	7E-05	3E-09	1E-05	5E-10	9E-05

Notes:

" -- " not applicable; ft bgs - feet below ground surface

Target cancer risk (CR) = 10^{-6} for residents and 10^{-5} for workers and target noncancer hazard index (HI) = 1

None of the locations exceeded a target risk or a target hazard.

Table 4
Cumulative Cancer Risk and Noncancer Hazard
Soil Vapor to Indoor Air, Slab-on-Grade Scenario
777 North Front Street
Burbank, California

Boring ID	Sample Depth (ft bgs)	Future Resident		Future Commercial Worker		Cancer Risk and/or Noncancer Hazard Drivers
		Cancer Risk	Noncancer Hazard	Cancer Risk	Noncancer Hazard	
NP-1	19	1E-06	1E-02	8E-08	1E-03	
NP-1	49	5E-07	7E-03	4E-08	5E-04	
NP-1	70	3E-07	5E-03	2E-08	4E-04	
NP-1	85	7E-07	1E-02	6E-08	9E-04	
NP-2	15	5E-05	7E-01	4E-06	6E-02	PCE
NP-2	37	4E-05	6E-01	3E-06	5E-02	PCE
NP-2	51	7E-05	9E-01	5E-06	7E-02	PCE
NP-2	81	2E-05	3E-01	2E-06	3E-02	PCE
NP-3	13	2E-04	3E+00	2E-05	2E-01	PCE
NP-3	33	2E-04	3E+00	2E-05	2E-01	PCE
NP-3	53	8E-05	1E+00	6E-06	8E-02	PCE
NP-4	13	8E-05	1E+00	6E-06	8E-02	PCE
NP-4	35	5E-05	7E-01	4E-06	6E-02	PCE
NP-4	51	1E-05	2E-01	1E-06	2E-02	PCE
NP-4	83	1E-05	2E-01	9E-07	1E-02	PCE
NP-5	15	7E-07	1E-01	4E-08	8E-03	
NP-5	35	1E-06	2E-01	9E-08	1E-02	
NP-5	57	8E-07	8E-02	5E-08	7E-03	
NP-6	15	2E-07	3E-03	2E-08	3E-04	
NP-6	40	2E-07	4E-03	1E-08	3E-04	
NP-6	60	1E-07	6E-03	9E-09	5E-04	
NP-6	86	8E-08	2E-03	6E-09	1E-04	
NP-7	17	3E-07	4E-03	2E-08	3E-04	
NP-7	35	3E-07	1E-02	2E-08	1E-03	
NP-7	53	3E-07	2E-02	2E-08	2E-03	
NP-8	17	1E-07	1E-03	8E-09	1E-04	
NP-8	37	1E-07	2E-03	9E-09	1E-04	
NP-8	57	9E-08	4E-03	6E-09	3E-04	
NP-8	80	1E-07	1E-02	1E-08	1E-03	

Notes:

ft bgs - feet below ground surface

PCE - tetrachloroethylene

Target cancer risk (CR) = 10^{-6} for residents and 10^{-5} for workers and target noncancer hazard index (HI) = 1

Shaded/bold: indicates cumulative risk > target risk and/or cumulative hazard > target hazard

Risk drivers are those chemicals that have a cancer risk > target CR or a noncancer hazard > target HI

Table 5
Cumulative Cancer Risk and Noncancer Hazard
Soil Vapor to Indoor Air, Second Floor Scenario
777 North Front Street
Burbank, California

Boring ID	Sample Depth (ft bgs)	Future Resident		Future Commercial Worker		Cancer Risk and/or Noncancer Hazard Drivers
		Cancer Risk	Noncancer Hazard	Cancer Risk	Noncancer Hazard	
NP-1	19	1E-08	2E-04	3E-09	4E-05	
NP-1	49	6E-09	9E-05	1E-09	2E-05	
NP-1	70	4E-09	6E-05	9E-10	1E-05	
NP-1	85	1E-08	2E-04	2E-09	4E-05	
NP-2	15	7E-07	1E-02	2E-07	2E-03	
NP-2	37	6E-07	8E-03	1E-07	2E-03	
NP-2	51	9E-07	1E-02	2E-07	3E-03	
NP-2	81	3E-07	4E-03	7E-08	1E-03	
NP-3	13	3E-06	4E-02	7E-07	9E-03	PCE
NP-3	33	3E-06	4E-02	7E-07	1E-02	PCE
NP-3	53	1E-06	1E-02	2E-07	3E-03	
NP-4	13	1E-06	1E-02	2E-07	3E-03	
NP-4	35	7E-07	1E-02	2E-07	2E-03	
NP-4	51	2E-07	3E-03	5E-08	7E-04	
NP-4	83	2E-07	2E-03	4E-08	6E-04	
NP-5	15	9E-09	1E-03	2E-09	3E-04	
NP-5	35	2E-08	2E-03	4E-09	6E-04	
NP-5	57	1E-08	1E-03	2E-09	3E-04	
NP-6	15	3E-09	4E-05	7E-10	1E-05	
NP-6	40	2E-09	5E-05	5E-10	1E-05	
NP-6	60	2E-09	8E-05	3E-10	2E-05	
NP-6	86	1E-09	2E-05	3E-10	6E-06	
NP-7	17	3E-09	5E-05	8E-10	1E-05	
NP-7	35	4E-09	2E-04	8E-10	4E-05	
NP-7	53	4E-09	3E-04	8E-10	7E-05	
NP-8	17	1E-09	2E-05	3E-10	4E-06	
NP-8	37	2E-09	2E-05	3E-10	5E-06	
NP-8	57	1E-09	5E-05	3E-10	1E-05	
NP-8	80	2E-09	2E-04	4E-10	4E-05	

Notes:

ft bgs - feet below ground surface

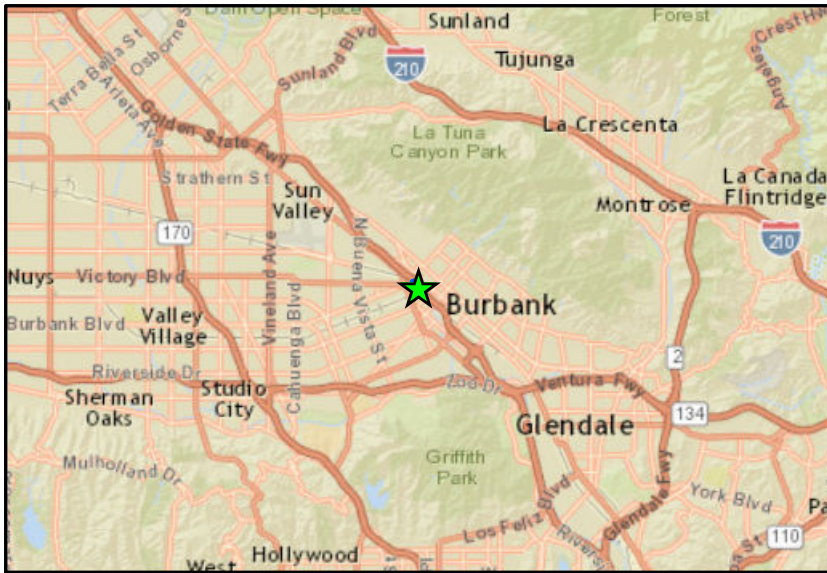
PCE - tetrachloroethylene

Target cancer risk (CR) = 10^{-6} for residents and 10^{-5} for workers and target noncancer hazard index (HI) = 1

Shaded/bold: indicates cumulative risk > target risk and/or cumulative hazard > target hazard

Risk drivers are those chemicals that have a cancer risk > target CR or a noncancer hazard > target HI

FIGURES



Legend

 Site Boundary

Sources: Esri, HERE, DeLorme, USGS, Intermap,

Site Location 777 North Front Street

Burbank, California

1,000 500 0 1,000
Feet

Geosyntec
consultants

Figure

1

HR1305C

February 2017

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ATTACHMENT A

Cumulative Risk Evaluation

Location ID	Depth (ft bgs)	Sample ID	Sample Date	CAS Number	Analyte	Soil Concentration (mg/kg)	Bkgd (mg/kg)	Within Bkgd?	Future Resident				Future Commercial Worker				Future Construction Worker			
									RBC _{soil-NC} (mg/kg)	RBC _{soil-C} (mg/kg)	Noncancer Hazard	Cancer Risk	RBC _{soil-NC} (mg/kg)	RBC _{soil-C} (mg/kg)	Noncancer Hazard	Cancer Risk	RBC _{soil-NC} (mg/kg)	RBC _{soil-C} (mg/kg)	Noncancer Hazard	Cancer Risk
NP-1	12	NP-1-12	10/9/2017	127-18-4	Tetrachloroethene (PCE)	0.00047	--	--	1.8E+02	9.5E-01	2.6E-06	5.0E-10	1.0E+03	4.3E+01	4.7E-07	1.1E-10	1.5E+02	2.4E+02	3.2E-06	1.9E-11
NP-1	12	NP-1-12	10/9/2017	67-64-1	Acetone	0.0062	--	--	6.7E+04	--	9.3E-08	--	8.7E+05	--	7.1E-09	--	2.2E+05	--	2.8E-08	--
											3E-06	5E-10			5E-07	1E-10			3E-06	2E-11
NP-2	6	NP-2-6	10/9/2017	67-64-1	Acetone	0.027	--	--	6.7E+04	--	4.0E-07	--	8.7E+05	--	3.1E-08	--	2.2E+05	--	1.2E-07	--
NP-2	6	NP-2-6	10/9/2017	71-43-2	Benzene	0.00017	--	--	3.4E+01	1.0E+00	5.0E-06	1.7E-10	1.5E+02	4.4E+01	1.1E-06	3.9E-11	2.1E+01	1.6E+02	8.0E-06	1.0E-11
NP-2	6	NP-2-6	10/9/2017	127-18-4	Tetrachloroethene (PCE)	0.03	--	--	1.8E+02	9.5E-01	1.7E-04	3.2E-08	1.0E+03	4.3E+01	3.0E-05	6.9E-09	1.5E+02	2.4E+02	2.0E-04	1.2E-09
											2E-04	3E-08			3E-05	7E-09			2E-04	1E-09
NP-3	12	NP-3-12	10/10/2017	67-64-1	Acetone	0.0083	--	--	6.7E+04	--	1.2E-07	--	8.7E+05	--	9.5E-09	--	2.2E+05	--	3.8E-08	--
NP-3	12	NP-3-12	10/10/2017	71-43-2	Benzene	0.00019	--	--	3.4E+01	1.0E+00	5.6E-06	1.9E-10	1.5E+02	4.4E+01	1.2E-06	4.3E-11	2.1E+01	1.6E+02	9.0E-06	1.2E-11
NP-3	12	NP-3-12	10/10/2017	127-18-4	Tetrachloroethene (PCE)	0.091	--	--	1.8E+02	9.5E-01	5.1E-04	9.6E-08	1.0E+03	4.3E+01	9.0E-05	2.1E-08	1.5E+02	2.4E+02	6.1E-04	3.7E-09
NP-3	12	NP-3-12	10/10/2017	79-01-6	Trichloroethene (TCE)	0.00031	--	--	1.1E+01	2.5E+00	2.8E-05	1.2E-10	5.8E+01	1.7E+02	5.3E-06	1.8E-11	8.4E+00	6.6E+02	3.7E-05	4.7E-12
											5E-04	1E-07			1E-04	2E-08			7E-04	4E-09
NP-4	10	NP-4-10	10/11/2017	127-18-4	Tetrachloroethene (PCE)	0.013	--	--	1.8E+02	9.5E-01	7.3E-05	1.4E-08	1.0E+03	4.3E+01	1.3E-05	3.0E-09	1.5E+02	2.4E+02	8.7E-05	5.3E-10

Boring ID	Sample Date	Sample Depth (ft bgs)	RBC Depth Assigned	CAS Number	Analyte	Concentration in Soil Vapor ($\mu\text{g}/\text{m}^3$)	Future Commercial Worker				Future Resident			
							RBC _{SV-C} ($\mu\text{g}/\text{m}^3$)	RBC _{SV-NC} ($\mu\text{g}/\text{m}^3$)	Cancer Risk	Noncancer Hazard	RBC _{SV-C} ($\mu\text{g}/\text{m}^3$)	RBC _{SV-NC} ($\mu\text{g}/\text{m}^3$)	Cancer Risk	Noncancer Hazard
NP-1	11/16/2017	19	20	71-55-6	1,1,1-Trichloroethane	1100	--	5.9E+08	--	1.9E-06	--	4.7E+07	--	2.3E-05
NP-1	11/16/2017	19	20	75-71-8	Freon 12	78.8	--	5.1E+07	--	1.6E-06	--	4.0E+06	--	2.0E-05
NP-1	11/16/2017	19	20	127-18-4	Tetrachloroethene (PCE)	26500	3.5E+06	2.7E+07	7.6E-08	1.0E-03	2.7E+04	2.1E+06	1.0E-06	1.3E-02
NP-1	11/16/2017	19	20	79-01-6	Trichloroethene (TCE)	38	3.8E+06	1.1E+06	1.0E-10	3.4E-05	2.0E+04	8.9E+04	1.9E-09	4.3E-04
NP-1	11/16/2017	19	20	71-55-6	1,1,1-Trichloroethane	1090	--	5.9E+08	--	1.8E-06	--	4.7E+07	--	2.3E-05
NP-1	11/16/2017	19	20	75-71-8	Freon 12	89.6	--	5.1E+07	--	1.8E-06	--	4.0E+06	--	2.2E-05
NP-1	11/16/2017	19	20	127-18-4	Tetrachloroethene (PCE)	20000	3.5E+06	2.7E+07	5.7E-08	7.5E-04	2.7E+04	2.1E+06	7.5E-07	9.5E-03
NP-1	11/16/2017	19	20	79-01-6	Trichloroethene (TCE)	81.8	3.8E+06	1.1E+06	2.1E-10	7.3E-05	2.0E+04	8.9E+04	4.0E-09	9.2E-04
NP-1	11/16/2017	49	50	71-55-6	1,1,1-Trichloroethane	1010	--	1.0E+09	--	9.9E-07	--	8.0E+07	--	1.3E-05
NP-1	11/16/2017	49	50	75-35-4	1,1-Dichloroethene	192	--	5.4E+07	--	3.6E-06	--	4.3E+06	--	4.5E-05
NP-1	11/16/2017	49	50	67-66-3	Chloroform	10.3	1.0E+06	8.4E+07	9.9E-11	1.2E-07	8.1E+03	6.8E+06	1.3E-09	1.5E-06
NP-1	11/16/2017	49	50	75-69-4	Freon 11	5	--	1.2E+09	--	4.1E-09	--	9.6E+07	--	5.2E-08
NP-1	11/16/2017	49	50	76-13-1	Freon 113	75.8	--	5.3E+10	--	1.4E-09	--	4.2E+09	--	1.8E-08
NP-1	11/16/2017	49	50	75-71-8	Freon 12	1720	--	8.8E+07	--	2.0E-05	--	7.0E+06	--	2.5E-04
NP-1	11/16/2017	49	50	127-18-4	Tetrachloroethene (PCE)	21800	6.1E+06	4.6E+07	3.6E-08	4.7E-04	4.6E+04	3.7E+06	4.7E-07	6.0E-03
NP-1	11/16/2017	49	50	79-01-6	Trichloroethene (TCE)	54.2	6.5E+06	1.9E+06	8.3E-11	2.8E-05	3.4E+04	1.5E+05	1.6E-09	3.6E-04
NP-1	11/16/2017	70	50	71-55-6	1,1,1-Trichloroethane	455	--	1.0E+09	--	4.5E-07	--	8.0E+07	--	5.7E-06
NP-1	11/16/2017	70	50	75-35-4	1,1-Dichloroethene	443	--	5.4E+07	--	8.2E-06	--	4.3E+06	--	1.0E-04
NP-1	11/16/2017	70	50	67-66-3	Chloroform	20.8	1.0E+06	8.4E+07	2.0E-10	2.5E-07	8.1E+03	6.8E+06	2.6E-09	3.1E-06
NP-1	11/16/2017	70	50	75-27-4	Dichlorobromomethane	6	8.7E+05	9.2E+07	6.9E-11	6.5E-08	6.9E+03	7.6E+06	8.7E-10	7.9E-07
NP-1	11/16/2017	70	50	76-13-1	Freon 113	97.6	--	5.3E+10	--	1.9E-09	--	4.2E+09	--	2.3E-08
NP-1	11/16/2017	70	50	75-71-8	Freon 12	2530	--	8.8E+07	--	2.9E-05	--	7.0E+06	--	3.6E-04
NP-1	11/16/2017	70	50	127-18-4	Tetrachloroethene (PCE)	13200	6.1E+06	4.6E+07	2.2E-08	2.8E-04	4.6E+04	3.7E+06	2.9E-07	3.6E-03
NP-1	11/16/2017	70	50	79-01-6	Trichloroethene (TCE)	86	6.5E+06	1.9E+06	1.3E-10	4.5E-05	3.4E+04	1.5E+05	2.5E-09	5.8E-04
NP-1	11/16/2017	85	80	630-20-6	1,1,1,2-Tetrachloroethane	11.1	7.2E+06	2.3E+08	1.5E-11	4.9E-08	5.6E+04	1.8E+07	2.0E-10	6.0E-07
NP-1	11/16/2017	85	80	71-55-6	1,1,1-Trichloroethane	157	--	1.5E+09	--	1.1E-07	--	1.1E+08	--	1.4E-06
NP-1	11/16/2017	85	80	75-34-3	1,1-Dichloroethane	260	2.0E+07	9.0E+08	1.3E-10	2.9E-07	1.5E+05	7.0E+07	1.8E-09	3.7E-06
NP-1	11/16/2017	85	80	75-35-4	1,1-Dichloroethene	1090	--	7.7E+07	--	1.4E-05	--	6.1E+06	--	1.8E-04
NP-1	11/16/2017	85	80	67-66-3	Chloroform	21.8	1.5E+06	1.2E+08	1.5E-10	1.8E-07	1.1E+04	9.3E+06	2.0E-09	2.3E-06
NP-1	11/16/2017	85	80	75-27-4	Dichlorobromomethane	5	1.2E+06	1.3E+08	4.1E-11	3.9E-08	9.5E+03	1.0E+07	5.3E-10	4.8E-07
NP-1	11/16/2017	85	80	76-13-1	Freon 113	34	--	7.3E+10	--	4.7E-10	--	5.9E+09	--	5.8E-09
NP-1	11/16/2017	85	80	75-71-8	Freon 12	2900	--	1.3E+08	--	2.3E-05	--	9.5E+06	--	3.1E-04

Boring ID	Sample Date	Sample Depth (ft bgs)	RBC Depth Assigned	CAS Number	Analyte	Concentration in Soil Vapor ($\mu\text{g}/\text{m}^3$)	Future Commercial Worker				Future Resident			
							RBC _{SV-C} ($\mu\text{g}/\text{m}^3$)	RBC _{SV-NC} ($\mu\text{g}/\text{m}^3$)	Cancer Risk	Noncancer Hazard	RBC _{SV-C} ($\mu\text{g}/\text{m}^3$)	RBC _{SV-NC} ($\mu\text{g}/\text{m}^3$)	Cancer Risk	Noncancer Hazard
NP-1	11/16/2017	85	80	127-18-4	Tetrachloroethene (PCE)	46200	8.4E+06	6.4E+07	5.5E-08	7.2E-04	6.5E+04	5.1E+06	7.1E-07	9.0E-03
NP-1	11/16/2017	85	80	79-01-6	Trichloroethene (TCE)	508	9.3E+06	2.7E+06	5.4E-10	1.9E-04	5.0E+04	2.2E+05	1.0E-08	2.3E-03
NP-2	11/16/2017	15	15	630-20-6	1,1,1,2-Tetrachloroethane	145	2.6E+06	8.2E+07	5.6E-10	1.8E-06	2.0E+04	6.5E+06	7.4E-09	2.2E-05
NP-2	11/16/2017	15	15	67-66-3	Chloroform	28.7	5.3E+05	4.3E+07	5.4E-10	6.7E-07	4.1E+03	3.4E+06	7.1E-09	8.5E-06
NP-2	11/16/2017	15	15	156-59-2	cis-1,2-Dichloroethene	30.9	--	3.0E+06	--	1.0E-05	--	2.4E+05	--	1.3E-04
NP-2	11/16/2017	15	15	76-13-1	Freon 113	8	--	2.7E+10	--	3.0E-10	--	2.1E+09	--	3.7E-09
NP-2	11/16/2017	15	15	75-71-8	Freon 12	357	--	4.5E+07	--	8.0E-06	--	3.5E+06	--	1.0E-04
NP-2	11/16/2017	15	15	127-18-4	Tetrachloroethene (PCE)	1270000	3.1E+06	2.3E+07	4.1E-06	5.4E-02	2.3E+04	1.9E+06	5.4E-05	6.8E-01
NP-2	11/16/2017	15	15	79-01-6	Trichloroethene (TCE)	3350	3.4E+06	9.8E+05	1.0E-08	3.4E-03	1.8E+04	7.8E+04	1.9E-07	4.3E-02
NP-2	11/16/2017	37	30	630-20-6	1,1,1,2-Tetrachloroethane	147	3.7E+06	1.2E+08	4.0E-10	1.3E-06	2.8E+04	9.2E+06	5.3E-09	1.6E-05
NP-2	11/16/2017	37	30	67-66-3	Chloroform	16.2	7.5E+05	6.0E+07	2.2E-10	2.7E-07	5.7E+03	4.8E+06	2.8E-09	3.4E-06
NP-2	11/16/2017	37	30	76-13-1	Freon 113	41	--	3.8E+10	--	1.1E-09	--	3.0E+09	--	1.4E-08
NP-2	11/16/2017	37	30	127-18-4	Tetrachloroethene (PCE)	1450000	4.3E+06	3.3E+07	3.4E-06	4.4E-02	3.3E+04	2.6E+06	4.4E-05	5.5E-01
NP-2	11/16/2017	37	30	79-01-6	Trichloroethene (TCE)	2600	4.7E+06	1.4E+06	5.5E-09	1.9E-03	2.5E+04	1.1E+05	1.0E-07	2.4E-02
NP-2	11/16/2017	51	50	630-20-6	1,1,1,2-Tetrachloroethane	514	5.2E+06	1.6E+08	9.9E-10	3.1E-06	3.9E+04	1.3E+07	1.3E-08	4.0E-05
NP-2	11/16/2017	51	50	75-35-4	1,1-Dichloroethene	44.8	--	5.4E+07	--	8.3E-07	--	4.3E+06	--	1.0E-05
NP-2	11/16/2017	51	50	67-66-3	Chloroform	92.6	1.0E+06	8.4E+07	8.9E-10	1.1E-06	8.1E+03	6.8E+06	1.1E-08	1.4E-05
NP-2	11/16/2017	51	50	75-27-4	Dichlorobromomethane	4	8.7E+05	9.2E+07	4.6E-11	4.3E-08	6.9E+03	7.6E+06	5.8E-10	5.3E-07
NP-2	11/16/2017	51	50	75-69-4	Freon 11	5	--	1.2E+09	--	4.1E-09	--	9.6E+07	--	5.2E-08
NP-2	11/16/2017	51	50	76-13-1	Freon 113	141	--	5.3E+10	--	2.7E-09	--	4.2E+09	--	3.4E-08
NP-2	11/16/2017	51	50	127-18-4	Tetrachloroethene (PCE)	3150000	6.1E+06	4.6E+07	5.2E-06	6.8E-02	4.6E+04	3.7E+06	6.8E-05	8.6E-01
NP-2	11/16/2017	51	50	108-88-3	Toluene	9.5	--	2.5E+08	--	3.8E-08	--	2.1E+07	--	4.6E-07
NP-2	11/16/2017	51	50	156-60-5	trans-1,2-Dichloroethene	8.2	--	6.0E+07	--	1.4E-07	--	4.9E+06	--	1.7E-06
NP-2	11/16/2017	51	50	79-01-6	Trichloroethene (TCE)	3990	6.5E+06	1.9E+06	6.1E-09	2.1E-03	3.4E+04	1.5E+05	1.2E-07	2.7E-02
NP-2	11/16/2017	81	80	630-20-6	1,1,1,2-Tetrachloroethane	131	7.2E+06	2.3E+08	1.8E-10	5.7E-07	5.6E+04	1.8E+07	2.3E-09	7.1E-06
NP-2	11/16/2017	81	80	75-35-4	1,1-Dichloroethene	129	--	7.7E+07	--	1.7E-06	--	6.1E+06	--	2.1E-05
NP-2	11/16/2017	81	80	67-66-3	Chloroform	109	1.5E+06	1.2E+08	7.4E-10	9.1E-07	1.1E+04	9.3E+06	9.8E-09	1.2E-05
NP-2	11/16/2017	81	80	76-13-1	Freon 113	108	--	7.3E+10	--	1.5E-09	--	5.9E+09	--	1.8E-08
NP-2	11/16/2017	81	80	127-18-4	Tetrachloroethene (PCE)	1570000	8.4E+06	6.4E+07	1.9E-06	2.5E-02	6.5E+04	5.1E+06	2.4E-05	3.1E-01
NP-2	11/16/2017	81	80	79-01-6	Trichloroethene (TCE)	3380	9.3E+06	2.7E+06	3.6E-09	1.2E-03	5.0E+04	2.2E+05	6.8E-08	1.6E-02
NP-3	11/16/2017	13	15	630-20-6	1,1,1,2-Tetrachloroethane	502	2.6E+06	8.2E+07	1.9E-09	6.1E-06	2.0E+04	6.5E+06	2.5E-08	7.7E-05
NP-3	11/16/2017	13	15	67-66-3	Chloroform	82.8	5.3E+05	4.3E+07	1.6E-09	1.9E-06	4.1E+03	3.4E+06	2.0E-08	2.4E-05

Boring ID	Sample Date	Sample Depth (ft bgs)	RBC Depth Assigned	CAS Number	Analyte	Concentration in Soil Vapor ($\mu\text{g}/\text{m}^3$)	Future Commercial Worker				Future Resident			
							RBC _{SV-C} ($\mu\text{g}/\text{m}^3$)	RBC _{SV-NC} ($\mu\text{g}/\text{m}^3$)	Cancer Risk	Noncancer Hazard	RBC _{SV-C} ($\mu\text{g}/\text{m}^3$)	RBC _{SV-NC} ($\mu\text{g}/\text{m}^3$)	Cancer Risk	Noncancer Hazard
NP-3	11/16/2017	13	15	76-13-1	Freon 113	17	--	2.7E+10	--	6.3E-10	--	2.1E+09	--	7.9E-09
NP-3	11/16/2017	13	15	75-71-8	Freon 12	208	--	4.5E+07	--	4.7E-06	--	3.5E+06	--	5.9E-05
NP-3	11/16/2017	13	15	127-18-4	Tetrachloroethene (PCE)	5120000	3.1E+06	2.3E+07	1.7E-05	2.2E-01	2.3E+04	1.9E+06	2.2E-04	2.8E+00
NP-3	11/16/2017	13	15	156-60-5	trans-1,2-Dichloroethene	9.6	--	3.2E+07	--	3.0E-07	--	2.5E+06	--	3.9E-06
NP-3	11/16/2017	13	15	79-01-6	Trichloroethene (TCE)	5120	3.4E+06	9.8E+05	1.5E-08	5.2E-03	1.8E+04	7.8E+04	2.9E-07	6.6E-02
NP-3	11/16/2017	33	30	630-20-6	1,1,1,2-Tetrachloroethane	1240	3.7E+06	1.2E+08	3.4E-09	1.1E-05	2.8E+04	9.2E+06	4.4E-08	1.3E-04
NP-3	11/16/2017	33	30	71-55-6	1,1,1-Trichloroethane	8	--	7.4E+08	--	1.1E-08	--	5.8E+07	--	1.4E-07
NP-3	11/16/2017	33	30	75-35-4	1,1-Dichloroethene	13.6	--	3.9E+07	--	3.5E-07	--	3.1E+06	--	4.4E-06
NP-3	11/16/2017	33	30	67-66-3	Chloroform	97.8	7.5E+05	6.0E+07	1.3E-09	1.6E-06	5.7E+03	4.8E+06	1.7E-08	2.0E-05
NP-3	11/16/2017	33	30	156-59-2	cis-1,2-Dichloroethene	19.6	--	4.3E+06	--	4.6E-06	--	3.4E+05	--	5.7E-05
NP-3	11/16/2017	33	30	76-13-1	Freon 113	37	--	3.8E+10	--	9.7E-10	--	3.0E+09	--	1.2E-08
NP-3	11/16/2017	33	30	75-71-8	Freon 12	471	--	6.3E+07	--	7.5E-06	--	5.0E+06	--	9.4E-05
NP-3	11/16/2017	33	30	127-18-4	Tetrachloroethene (PCE)	8030000	4.3E+06	3.3E+07	1.9E-05	2.4E-01	3.3E+04	2.6E+06	2.4E-04	3.1E+00
NP-3	11/16/2017	33	30	108-88-3	Toluene	20.2	--	1.8E+08	--	1.1E-07	--	1.5E+07	--	1.4E-06
NP-3	11/16/2017	33	30	156-60-5	trans-1,2-Dichloroethene	10.2	--	4.4E+07	--	2.3E-07	--	3.5E+06	--	2.9E-06
NP-3	11/16/2017	33	30	79-01-6	Trichloroethene (TCE)	4790	4.7E+06	1.4E+06	1.0E-08	3.5E-03	2.5E+04	1.1E+05	1.9E-07	4.4E-02
NP-3	11/16/2017	53	50	630-20-6	1,1,1,2-Tetrachloroethane	587	5.2E+06	1.6E+08	1.1E-09	3.6E-06	3.9E+04	1.3E+07	1.5E-08	4.5E-05
NP-3	11/16/2017	53	50	67-66-3	Chloroform	181	1.0E+06	8.4E+07	1.7E-09	2.2E-06	8.1E+03	6.8E+06	2.2E-08	2.7E-05
NP-3	11/16/2017	53	50	76-13-1	Freon 113	37	--	5.3E+10	--	7.0E-10	--	4.2E+09	--	8.9E-09
NP-3	11/16/2017	53	50	127-18-4	Tetrachloroethene (PCE)	3480000	6.1E+06	4.6E+07	5.7E-06	7.5E-02	4.6E+04	3.7E+06	7.6E-05	9.5E-01
NP-3	11/16/2017	53	50	79-01-6	Trichloroethene (TCE)	3210	6.5E+06	1.9E+06	4.9E-09	1.7E-03	3.4E+04	1.5E+05	9.4E-08	2.2E-02
NP-4	11/16/2017	13	15	71-55-6	1,1,1-Trichloroethane	15	--	5.2E+08	--	2.9E-08	--	4.1E+07	--	3.6E-07
NP-4	11/16/2017	13	15	76-13-1	Freon 113	32	--	2.7E+10	--	1.2E-09	--	2.1E+09	--	1.5E-08
NP-4	11/16/2017	13	15	75-71-8	Freon 12	485	--	4.5E+07	--	1.1E-05	--	3.5E+06	--	1.4E-04
NP-4	11/16/2017	13	15	127-18-4	Tetrachloroethene (PCE)	1890000	3.1E+06	2.3E+07	6.2E-06	8.1E-02	2.3E+04	1.9E+06	8.1E-05	1.0E+00
NP-4	11/16/2017	13	15	79-01-6	Trichloroethene (TCE)	2340	3.4E+06	9.8E+05	7.0E-09	2.4E-03	1.8E+04	7.8E+04	1.3E-07	3.0E-02
NP-4	11/16/2017	35	30	630-20-6	1,1,1,2-Tetrachloroethane	5530	3.7E+06	1.2E+08	1.5E-08	4.8E-05	2.8E+04	9.2E+06	2.0E-07	6.0E-04
NP-4	11/16/2017	35	30	75-35-4	1,1-Dichloroethene	25.8	--	3.9E+07	--	6.7E-07	--	3.1E+06	--	8.4E-06
NP-4	11/16/2017	35	30	76-13-1	Freon 113	84.4	--	3.8E+10	--	2.2E-09	--	3.0E+09	--	2.8E-08
NP-4	11/16/2017	35	30	127-18-4	Tetrachloroethene (PCE)	1790000	4.3E+06	3.3E+07	4.1E-06	5.4E-02	3.3E+04	2.6E+06	5.4E-05	6.8E-01
NP-4	11/16/2017	35	30	79-01-6	Trichloroethene (TCE)	3430	4.7E+06	1.4E+06	7.2E-09	2.5E-03	2.5E+04	1.1E+05	1.4E-07	3.1E-02
NP-4	11/16/2017	51	50	630-20-6	1,1,1,2-Tetrachloroethane	124	5.2E+06	1.6E+08	2.4E-10	7.5E-07	3.9E+04	1.3E+07	3.2E-09	9.6E-06

Boring ID	Sample Date	Sample Depth (ft bgs)	RBC Depth Assigned	CAS Number	Analyte	Concentration in Soil Vapor ($\mu\text{g}/\text{m}^3$)	Future Commercial Worker				Future Resident			
							RBC _{SV-C} ($\mu\text{g}/\text{m}^3$)	RBC _{SV-NC} ($\mu\text{g}/\text{m}^3$)	Cancer Risk	Noncancer Hazard	RBC _{SV-C} ($\mu\text{g}/\text{m}^3$)	RBC _{SV-NC} ($\mu\text{g}/\text{m}^3$)	Cancer Risk	Noncancer Hazard
NP-4	11/16/2017	51	50	75-35-4	1,1-Dichloroethene	22.1	--	5.4E+07	--	4.1E-07	--	4.3E+06	--	5.1E-06
NP-4	11/16/2017	51	50	67-66-3	Chloroform	336	1.0E+06	8.4E+07	3.2E-09	4.0E-06	8.1E+03	6.8E+06	4.1E-08	4.9E-05
NP-4	11/16/2017	51	50	75-27-4	Dichlorobromomethane	4	8.7E+05	9.2E+07	4.6E-11	4.3E-08	6.9E+03	7.6E+06	5.8E-10	5.3E-07
NP-4	11/16/2017	51	50	76-13-1	Freon 113	45.9	--	5.3E+10	--	8.7E-10	--	4.2E+09	--	1.1E-08
NP-4	11/16/2017	51	50	75-71-8	Freon 12	762	--	8.8E+07	--	8.7E-06	--	7.0E+06	--	1.1E-04
NP-4	11/16/2017	51	50	127-18-4	Tetrachloroethene (PCE)	684000	6.1E+06	4.6E+07	1.1E-06	1.5E-02	4.6E+04	3.7E+06	1.5E-05	1.9E-01
NP-4	11/16/2017	51	50	108-88-3	Toluene	6	--	2.5E+08	--	2.4E-08	--	2.1E+07	--	2.9E-07
NP-4	11/16/2017	51	50	79-01-6	Trichloroethene (TCE)	2550	6.5E+06	1.9E+06	3.9E-09	1.3E-03	3.4E+04	1.5E+05	7.5E-08	1.7E-02
NP-4	11/16/2017	83	80	630-20-6	1,1,1,2-Tetrachloroethane	31.4	7.2E+06	2.3E+08	4.4E-11	1.4E-07	5.6E+04	1.8E+07	5.6E-10	1.7E-06
NP-4	11/16/2017	83	80	75-35-4	1,1-Dichloroethene	60.8	--	7.7E+07	--	7.9E-07	--	6.1E+06	--	1.0E-05
NP-4	11/16/2017	83	80	71-43-2	Benzene	4	1.0E+06	3.1E+06	4.0E-11	1.3E-06	7.4E+03	2.4E+05	5.4E-10	1.7E-05
NP-4	11/16/2017	83	80	67-66-3	Chloroform	1040	1.5E+06	1.2E+08	7.0E-09	8.7E-06	1.1E+04	9.3E+06	9.4E-08	1.1E-04
NP-4	11/16/2017	83	80	76-13-1	Freon 113	70.8	--	7.3E+10	--	9.7E-10	--	5.9E+09	--	1.2E-08
NP-4	11/16/2017	83	80	127-18-4	Tetrachloroethene (PCE)	781000	8.4E+06	6.4E+07	9.3E-07	1.2E-02	6.5E+04	5.1E+06	1.2E-05	1.5E-01
NP-4	11/16/2017	83	80	79-01-6	Trichloroethene (TCE)	4950	9.3E+06	2.7E+06	5.3E-09	1.8E-03	5.0E+04	2.2E+05	9.9E-08	2.3E-02
NP-5	11/16/2017	15	15	67-66-3	Chloroform	14.4	5.3E+05	4.3E+07	2.7E-10	3.4E-07	4.1E+03	3.4E+06	3.6E-09	4.2E-06
NP-5	11/16/2017	15	15	76-13-1	Freon 113	41.8	--	2.7E+10	--	1.6E-09	--	2.1E+09	--	2.0E-08
NP-5	11/16/2017	15	15	75-71-8	Freon 12	303	--	4.5E+07	--	6.8E-06	--	3.5E+06	--	8.5E-05
NP-5	11/16/2017	15	15	127-18-4	Tetrachloroethene (PCE)	6610	3.1E+06	2.3E+07	2.2E-08	2.8E-04	2.3E+04	1.9E+06	2.8E-07	3.6E-03
NP-5	11/16/2017	15	15	79-01-6	Trichloroethene (TCE)	7320	3.4E+06	9.8E+05	2.2E-08	7.4E-03	1.8E+04	7.8E+04	4.1E-07	9.4E-02
NP-5	11/16/2017	35	30	71-55-6	1,1,1-Trichloroethane	7	--	7.4E+08	--	9.5E-09	--	5.8E+07	--	1.2E-07
NP-5	11/16/2017	35	30	75-35-4	1,1-Dichloroethene	102	--	3.9E+07	--	2.6E-06	--	3.1E+06	--	3.3E-05
NP-5	11/16/2017	35	30	67-66-3	Chloroform	120	7.5E+05	6.0E+07	1.6E-09	2.0E-06	5.7E+03	4.8E+06	2.1E-08	2.5E-05
NP-5	11/16/2017	35	30	76-13-1	Freon 113	229	--	3.8E+10	--	6.0E-09	--	3.0E+09	--	7.6E-08
NP-5	11/16/2017	35	30	75-71-8	Freon 12	1940	--	6.3E+07	--	3.1E-05	--	5.0E+06	--	3.9E-04
NP-5	11/16/2017	35	30	127-18-4	Tetrachloroethene (PCE)	20800	4.3E+06	3.3E+07	4.8E-08	6.3E-04	3.3E+04	2.6E+06	6.3E-07	7.9E-03
NP-5	11/16/2017	35	30	79-01-6	Trichloroethene (TCE)	18900	4.7E+06	1.4E+06	4.0E-08	1.4E-02	2.5E+04	1.1E+05	7.5E-07	1.7E-01
NP-5	11/16/2017	57	50	75-35-4	1,1-Dichloroethene	205	--	5.4E+07	--	3.8E-06	--	4.3E+06	--	4.8E-05
NP-5	11/16/2017	57	50	71-43-2	Benzene	7	7.2E+05	2.2E+06	9.8E-11	3.1E-06	5.4E+03	1.7E+05	1.3E-09	4.0E-05
NP-5	11/16/2017	57	50	67-66-3	Chloroform	457	1.0E+06	8.4E+07	4.4E-09	5.4E-06	8.1E+03	6.8E+06	5.6E-08	6.7E-05
NP-5	11/16/2017	57	50	76-13-1	Freon 113	116	--	5.3E+10	--	2.2E-09	--	4.2E+09	--	2.8E-08
NP-5	11/16/2017	57	50	75-71-8	Freon 12	1070	--	8.8E+07	--	1.2E-05	--	7.0E+06	--	1.5E-04

Boring ID	Sample Date	Sample Depth (ft bgs)	RBC Depth Assigned	CAS Number	Analyte	Concentration in Soil Vapor ($\mu\text{g}/\text{m}^3$)	Future Commercial Worker				Future Resident			
							RBC _{SV-C} ($\mu\text{g}/\text{m}^3$)	RBC _{SV-NC} ($\mu\text{g}/\text{m}^3$)	Cancer Risk	Noncancer Hazard	RBC _{SV-C} ($\mu\text{g}/\text{m}^3$)	RBC _{SV-NC} ($\mu\text{g}/\text{m}^3$)	Cancer Risk	Noncancer Hazard
NP-5	11/16/2017	57	50	127-18-4	Tetrachloroethene (PCE)	18000	6.1E+06	4.6E+07	3.0E-08	3.9E-04	4.6E+04	3.7E+06	3.9E-07	4.9E-03
NP-5	11/16/2017	57	50	108-88-3	Toluene	5	--	2.5E+08	--	2.0E-08	--	2.1E+07	--	2.4E-07
NP-5	11/16/2017	57	50	79-01-6	Trichloroethene (TCE)	11700	6.5E+06	1.9E+06	1.8E-08	6.1E-03	3.4E+04	1.5E+05	3.4E-07	7.9E-02
NP-6	11/16/2017	15	15	71-55-6	1,1,1-Trichloroethane	22.2	--	5.2E+08	--	4.3E-08	--	4.1E+07	--	5.4E-07
NP-6	11/16/2017	15	15	75-71-8	Freon 12	60.3	--	4.5E+07	--	1.3E-06	--	3.5E+06	--	1.7E-05
NP-6	11/16/2017	15	15	127-18-4	Tetrachloroethene (PCE)	5580	3.1E+06	2.3E+07	1.8E-08	2.4E-04	2.3E+04	1.9E+06	2.4E-07	3.0E-03
NP-6	11/16/2017	15	15	79-01-6	Trichloroethene (TCE)	13.2	3.4E+06	9.8E+05	3.9E-11	1.3E-05	1.8E+04	7.8E+04	7.4E-10	1.7E-04
NP-6	11/16/2017	40	30	75-35-4	1,1-Dichloroethene	462	--	3.9E+07	--	1.2E-05	--	3.1E+06	--	1.5E-04
NP-6	11/16/2017	40	30	76-13-1	Freon 113	21	--	3.8E+10	--	5.5E-10	--	3.0E+09	--	7.0E-09
NP-6	11/16/2017	40	30	127-18-4	Tetrachloroethene (PCE)	5580	4.3E+06	3.3E+07	1.3E-08	1.7E-04	3.3E+04	2.6E+06	1.7E-07	2.1E-03
NP-6	11/16/2017	40	30	79-01-6	Trichloroethene (TCE)	178	4.7E+06	1.4E+06	3.8E-10	1.3E-04	2.5E+04	1.1E+05	7.1E-09	1.6E-03
NP-6	11/16/2017	60	50	71-55-6	1,1,1-Trichloroethane	12.7	--	1.0E+09	--	1.2E-08	--	8.0E+07	--	1.6E-07
NP-6	11/16/2017	60	50	75-35-4	1,1-Dichloroethene	502	--	5.4E+07	--	9.3E-06	--	4.3E+06	--	1.2E-04
NP-6	11/16/2017	60	50	67-66-3	Chloroform	22.4	1.0E+06	8.4E+07	2.1E-10	2.7E-07	8.1E+03	6.8E+06	2.8E-09	3.3E-06
NP-6	11/16/2017	60	50	75-27-4	Dichlorobromomethane	4	8.7E+05	9.2E+07	4.6E-11	4.3E-08	6.9E+03	7.6E+06	5.8E-10	5.3E-07
NP-6	11/16/2017	60	50	76-13-1	Freon 113	33	--	5.3E+10	--	6.3E-10	--	4.2E+09	--	7.9E-09
NP-6	11/16/2017	60	50	75-71-8	Freon 12	329	--	8.8E+07	--	3.8E-06	--	7.0E+06	--	4.7E-05
NP-6	11/16/2017	60	50	127-18-4	Tetrachloroethene (PCE)	4440	6.1E+06	4.6E+07	7.3E-09	9.6E-05	4.6E+04	3.7E+06	9.6E-08	1.2E-03
NP-6	11/16/2017	60	50	79-01-6	Trichloroethene (TCE)	678	6.5E+06	1.9E+06	1.0E-09	3.6E-04	3.4E+04	1.5E+05	2.0E-08	4.6E-03
NP-6	11/16/2017	86	80	75-35-4	1,1-Dichloroethene	163	--	7.7E+07	--	2.1E-06	--	6.1E+06	--	2.7E-05
NP-6	11/16/2017	86	80	76-13-1	Freon 113	5	--	7.3E+10	--	6.8E-11	--	5.9E+09	--	8.5E-10
NP-6	11/16/2017	86	80	127-18-4	Tetrachloroethene (PCE)	5220	8.4E+06	6.4E+07	6.2E-09	8.2E-05	6.5E+04	5.1E+06	8.1E-08	1.0E-03
NP-6	11/16/2017	86	80	79-01-6	Trichloroethene (TCE)	173	9.3E+06	2.7E+06	1.9E-10	6.3E-05	5.0E+04	2.2E+05	3.5E-09	8.0E-04
NP-7	11/16/2017	17	15	71-55-6	1,1,1-Trichloroethane	19.3	--	5.2E+08	--	3.7E-08	--	4.1E+07	--	4.7E-07
NP-7	11/16/2017	17	15	75-69-4	Freon 11	7	--	6.2E+08	--	1.1E-08	--	4.9E+07	--	1.4E-07
NP-7	11/16/2017	17	15	76-13-1	Freon 113	53.3	--	2.7E+10	--	2.0E-09	--	2.1E+09	--	2.5E-08
NP-7	11/16/2017	17	15	75-71-8	Freon 12	624	--	4.5E+07	--	1.4E-05	--	3.5E+06	--	1.8E-04
NP-7	11/16/2017	17	15	127-18-4	Tetrachloroethene (PCE)	5450	3.1E+06	2.3E+07	1.8E-08	2.3E-04	2.3E+04	1.9E+06	2.3E-07	2.9E-03
NP-7	11/16/2017	17	15	79-01-6	Trichloroethene (TCE)	28.4	3.4E+06	9.8E+05	8.5E-11	2.9E-05	1.8E+04	7.8E+04	1.6E-09	3.6E-04
NP-7	11/16/2017	17	15	71-55-6	1,1,1-Trichloroethane	20	--	5.2E+08	--	3.8E-08	--	4.1E+07	--	4.8E-07
NP-7	11/16/2017	17	15	75-69-4	Freon 11	8	--	6.2E+08	--	1.3E-08	--	4.9E+07	--	1.6E-07
NP-7	11/16/2017	17	15	76-13-1	Freon 113	55.2	--	2.7E+10	--	2.0E-09	--	2.1E+09	--	2.6E-08

Boring ID	Sample Date	Sample Depth (ft bgs)	RBC Depth Assigned	CAS Number	Analyte	Concentration in Soil Vapor ($\mu\text{g}/\text{m}^3$)	Future Commercial Worker				Future Resident			
							RBC _{SV-C} ($\mu\text{g}/\text{m}^3$)	RBC _{SV-NC} ($\mu\text{g}/\text{m}^3$)	Cancer Risk	Noncancer Hazard	RBC _{SV-C} ($\mu\text{g}/\text{m}^3$)	RBC _{SV-NC} ($\mu\text{g}/\text{m}^3$)	Cancer Risk	Noncancer Hazard
NP-7	11/16/2017	17	15	75-71-8	Freon 12	625	--	4.5E+07	--	1.4E-05	--	3.5E+06	--	1.8E-04
NP-7	11/16/2017	17	15	127-18-4	Tetrachloroethene (PCE)	5920	3.1E+06	2.3E+07	1.9E-08	2.5E-04	2.3E+04	1.9E+06	2.5E-07	3.2E-03
NP-7	11/16/2017	17	15	79-01-6	Trichloroethene (TCE)	20.4	3.4E+06	9.8E+05	6.1E-11	2.1E-05	1.8E+04	7.8E+04	1.1E-09	2.6E-04
NP-7	11/16/2017	35	30	71-55-6	1,1,1-Trichloroethane	14.3	--	7.4E+08	--	1.9E-08	--	5.8E+07	--	2.4E-07
NP-7	11/16/2017	35	30	75-35-4	1,1-Dichloroethene	134	--	3.9E+07	--	3.5E-06	--	3.1E+06	--	4.4E-05
NP-7	11/16/2017	35	30	124-48-1	Chlorodibromomethane	4	1.6E+06	9.5E+07	2.5E-11	4.2E-08	1.2E+04	7.6E+06	3.3E-10	5.3E-07
NP-7	11/16/2017	35	30	67-66-3	Chloroform	18	7.5E+05	6.0E+07	2.4E-10	3.0E-07	5.7E+03	4.8E+06	3.1E-09	3.8E-06
NP-7	11/16/2017	35	30	75-27-4	Dichlorobromomethane	4	6.3E+05	6.6E+07	6.4E-11	6.1E-08	4.7E+03	5.2E+06	8.4E-10	7.7E-07
NP-7	11/16/2017	35	30	75-69-4	Freon 11	18.3	--	8.8E+08	--	2.1E-08	--	7.0E+07	--	2.6E-07
NP-7	11/16/2017	35	30	76-13-1	Freon 113	159	--	3.8E+10	--	4.2E-09	--	3.0E+09	--	5.3E-08
NP-7	11/16/2017	35	30	75-71-8	Freon 12	1830	--	6.3E+07	--	2.9E-05	--	5.0E+06	--	3.7E-04
NP-7	11/16/2017	35	30	127-18-4	Tetrachloroethene (PCE)	7920	4.3E+06	3.3E+07	1.8E-08	2.4E-04	3.3E+04	2.6E+06	2.4E-07	3.0E-03
NP-7	11/16/2017	35	30	79-01-6	Trichloroethene (TCE)	1160	4.7E+06	1.4E+06	2.4E-09	8.4E-04	2.5E+04	1.1E+05	4.6E-08	1.1E-02
NP-7	11/16/2017	53	50	71-55-6	1,1,1-Trichloroethane	20.4	--	1.0E+09	--	2.0E-08	--	8.0E+07	--	2.5E-07
NP-7	11/16/2017	53	50	75-34-3	1,1-Dichloroethane	9.3	1.4E+07	6.4E+08	6.7E-12	1.5E-08	1.0E+05	4.9E+07	9.0E-11	1.9E-07
NP-7	11/16/2017	53	50	75-35-4	1,1-Dichloroethene	991	--	5.4E+07	--	1.8E-05	--	4.3E+06	--	2.3E-04
NP-7	11/16/2017	53	50	56-23-5	Carbon Tetrachloride	13.8	7.7E+05	4.6E+07	1.8E-10	3.0E-07	6.1E+03	3.8E+06	2.3E-09	3.6E-06
NP-7	11/16/2017	53	50	67-66-3	Chloroform	47.1	1.0E+06	8.4E+07	4.5E-10	5.6E-07	8.1E+03	6.8E+06	5.8E-09	6.9E-06
NP-7	11/16/2017	53	50	75-69-4	Freon 11	7	--	1.2E+09	--	5.7E-09	--	9.6E+07	--	7.3E-08
NP-7	11/16/2017	53	50	76-13-1	Freon 113	117	--	5.3E+10	--	2.2E-09	--	4.2E+09	--	2.8E-08
NP-7	11/16/2017	53	50	75-71-8	Freon 12	1040	--	8.8E+07	--	1.2E-05	--	7.0E+06	--	1.5E-04
NP-7	11/16/2017	53	50	127-18-4	Tetrachloroethene (PCE)	8410	6.1E+06	4.6E+07	1.4E-08	1.8E-04	4.6E+04	3.7E+06	1.8E-07	2.3E-03
NP-7	11/16/2017	53	50	79-01-6	Trichloroethene (TCE)	3080	6.5E+06	1.9E+06	4.7E-09	1.6E-03	3.4E+04	1.5E+05	9.0E-08	2.1E-02
NP-7	11/16/2017	53	50	75-01-4	Vinyl Chloride	5	2.2E+05	6.2E+07	2.3E-10	8.1E-08	4.5E+02	5.0E+06	1.1E-08	1.0E-06
NP-8	11/16/2017	17	15	71-55-6	1,1,1-Trichloroethane	225	--	5.2E+08	--	4.3E-07	--	4.1E+07	--	5.4E-06
NP-8	11/16/2017	17	15	56-23-5	Carbon Tetrachloride	30	3.9E+05	2.4E+07	7.6E-10	1.3E-06	3.0E+03	1.9E+06	1.0E-08	1.6E-05
NP-8	11/16/2017	17	15	75-71-8	Freon 12	33.2	--	4.5E+07	--	7.4E-07	--	3.5E+06	--	9.4E-06
NP-8	11/16/2017	17	15	127-18-4	Tetrachloroethene (PCE)	2290	3.1E+06	2.3E+07	7.5E-09	9.8E-05	2.3E+04	1.9E+06	9.8E-08	1.2E-03
NP-8	11/16/2017	37	30	71-55-6	1,1,1-Trichloroethane	250	--	7.4E+08	--	3.4E-07	--	5.8E+07	--	4.3E-06
NP-8	11/16/2017	37	30	75-35-4	1,1-Dichloroethene	109	--	3.9E+07	--	2.8E-06	--	3.1E+06	--	3.5E-05
NP-8	11/16/2017	37	30	56-23-5	Carbon Tetrachloride	33.8	5.5E+05	3.3E+07	6.1E-10	1.0E-06	4.2E+03	2.6E+06	8.1E-09	1.3E-05
NP-8	11/16/2017	37	30	75-71-8	Freon 12	184	--	6.3E+07	--	2.9E-06	--	5.0E+06	--	3.7E-05

Boring ID	Sample Date	Sample Depth (ft bgs)	RBC Depth Assigned	CAS Number	Analyte	Concentration in Soil Vapor ($\mu\text{g}/\text{m}^3$)	Future Commercial Worker				Future Resident			
							RBC _{SV-C} ($\mu\text{g}/\text{m}^3$)	RBC _{SV-NC} ($\mu\text{g}/\text{m}^3$)	Cancer Risk	Noncancer Hazard	RBC _{SV-C} ($\mu\text{g}/\text{m}^3$)	RBC _{SV-NC} ($\mu\text{g}/\text{m}^3$)	Cancer Risk	Noncancer Hazard
NP-8	11/16/2017	37	30	127-18-4	Tetrachloroethene (PCE)	3440	4.3E+06	3.3E+07	8.0E-09	1.0E-04	3.3E+04	2.6E+06	1.0E-07	1.3E-03
NP-8	11/16/2017	37	30	79-01-6	Trichloroethene (TCE)	18	4.7E+06	1.4E+06	3.8E-11	1.3E-05	2.5E+04	1.1E+05	7.1E-10	1.6E-04
NP-8	11/16/2017	37	30	71-55-6	1,1,1-Trichloroethane	242	--	7.4E+08	--	3.3E-07	--	5.8E+07	--	4.1E-06
NP-8	11/16/2017	37	30	75-35-4	1,1-Dichloroethene	103	--	3.9E+07	--	2.7E-06	--	3.1E+06	--	3.3E-05
NP-8	11/16/2017	37	30	56-23-5	Carbon Tetrachloride	31.8	5.5E+05	3.3E+07	5.8E-10	9.6E-07	4.2E+03	2.6E+06	7.6E-09	1.2E-05
NP-8	11/16/2017	37	30	75-71-8	Freon 12	181	--	6.3E+07	--	2.9E-06	--	5.0E+06	--	3.6E-05
NP-8	11/16/2017	37	30	127-18-4	Tetrachloroethene (PCE)	2900	4.3E+06	3.3E+07	6.7E-09	8.8E-05	3.3E+04	2.6E+06	8.8E-08	1.1E-03
NP-8	11/16/2017	37	30	79-01-6	Trichloroethene (TCE)	17	4.7E+06	1.4E+06	3.6E-11	1.2E-05	2.5E+04	1.1E+05	6.7E-10	1.5E-04
NP-8	11/16/2017	57	50	71-55-6	1,1,1-Trichloroethane	197	--	1.0E+09	--	1.9E-07	--	8.0E+07	--	2.5E-06
NP-8	11/16/2017	57	50	75-35-4	1,1-Dichloroethene	1210	--	5.4E+07	--	2.2E-05	--	4.3E+06	--	2.8E-04
NP-8	11/16/2017	57	50	56-23-5	Carbon Tetrachloride	8.6	7.7E+05	4.6E+07	1.1E-10	1.9E-07	6.1E+03	3.8E+06	1.4E-09	2.3E-06
NP-8	11/16/2017	57	50	67-66-3	Chloroform	7	1.0E+06	8.4E+07	6.7E-11	8.3E-08	8.1E+03	6.8E+06	8.6E-10	1.0E-06
NP-8	11/16/2017	57	50	76-13-1	Freon 113	105	--	5.3E+10	--	2.0E-09	--	4.2E+09	--	2.5E-08
NP-8	11/16/2017	57	50	75-71-8	Freon 12	363	--	8.8E+07	--	4.1E-06	--	7.0E+06	--	5.2E-05
NP-8	11/16/2017	57	50	127-18-4	Tetrachloroethene (PCE)	3370	6.1E+06	4.6E+07	5.5E-09	7.3E-05	4.6E+04	3.7E+06	7.3E-08	9.2E-04
NP-8	11/16/2017	57	50	79-01-6	Trichloroethene (TCE)	429	6.5E+06	1.9E+06	6.6E-10	2.3E-04	3.4E+04	1.5E+05	1.3E-08	2.9E-03
NP-8	11/16/2017	80	80	71-55-6	1,1,1-Trichloroethane	196	--	1.5E+09	--	1.3E-07	--	1.1E+08	--	1.7E-06
NP-8	11/16/2017	80	80	75-34-3	1,1-Dichloroethane	30.2	2.0E+07	9.0E+08	1.5E-11	3.4E-08	1.5E+05	7.0E+07	2.1E-10	4.3E-07
NP-8	11/16/2017	80	80	75-35-4	1,1-Dichloroethene	3840	--	7.7E+07	--	5.0E-05	--	6.1E+06	--	6.3E-04
NP-8	11/16/2017	80	80	56-23-5	Carbon Tetrachloride	27.2	1.1E+06	6.5E+07	2.5E-10	4.2E-07	8.4E+03	5.2E+06	3.3E-09	5.2E-06
NP-8	11/16/2017	80	80	67-66-3	Chloroform	28.2	1.5E+06	1.2E+08	1.9E-10	2.4E-07	1.1E+04	9.3E+06	2.5E-09	3.0E-06
NP-8	11/16/2017	80	80	156-59-2	cis-1,2-Dichloroethene	6	--	8.5E+06	--	7.0E-07	--	7.0E+05	--	8.6E-06
NP-8	11/16/2017	80	80	76-13-1	Freon 113	186	--	7.3E+10	--	2.5E-09	--	5.9E+09	--	3.2E-08
NP-8	11/16/2017	80	80	75-71-8	Freon 12	450	--	1.3E+08	--	3.6E-06	--	9.5E+06	--	4.7E-05
NP-8	11/16/2017	80	80	127-18-4	Tetrachloroethene (PCE)	5980	8.4E+06	6.4E+07	7.1E-09	9.4E-05	6.5E+04	5.1E+06	9.2E-08	1.2E-03
NP-8	11/16/2017	80	80	79-01-6	Trichloroethene (TCE)	2310	9.3E+06	2.7E+06	2.5E-09	8.4E-04	5.0E+04	2.2E+05	4.6E-08	1.1E-02

Notes:

" -- " not applicable

$\mu\text{g}/\text{m}^3$ - micrograms per cubic meter

" ft bgs " feet below ground surface

RBC_{SV-C} - risk-based concentration based on cancer effects; RBC_{SV-NC} based on noncancer effects

RBCs based on target cancer risk = 10^{-5} for workers and 10^{-6} for future residents, and a target noncancer hazard = 1 for both receptors

Boring ID	Sample Date	Sample Depth (ft bgs)	RBC Depth Assigned	CAS Number	Analyte	Concentration in Soil Vapor ($\mu\text{g}/\text{m}^3$)	Future Commercial Worker				Future Resident			
							RBC _{SV-C} ($\mu\text{g}/\text{m}^3$)	RBC _{SV-NC} ($\mu\text{g}/\text{m}^3$)	Cancer Risk	Noncancer Hazard	RBC _{SV-C} ($\mu\text{g}/\text{m}^3$)	RBC _{SV-NC} ($\mu\text{g}/\text{m}^3$)	Cancer Risk	Noncancer Hazard
NP-1	11/16/2017	19	20	71-55-6	1,1,1-Trichloroethane	1100	--	1.5E+10	--	7.4E-08	--	3.5E+09	--	3.1E-07
NP-1	11/16/2017	19	20	75-71-8	Freon 12	78.8	--	1.3E+09	--	6.2E-08	--	3.0E+08	--	2.6E-07
NP-1	11/16/2017	19	20	127-18-4	Tetrachloroethene (PCE)	26500	8.7E+07	6.6E+08	3.0E-09	4.0E-05	2.0E+06	1.6E+08	1.3E-08	1.7E-04
NP-1	11/16/2017	19	20	79-01-6	Trichloroethene (TCE)	38	9.5E+07	2.8E+07	4.0E-12	1.4E-06	1.5E+06	6.7E+06	2.5E-11	5.7E-06
NP-1	11/16/2017	19	20	71-55-6	1,1,1-Trichloroethane	1090	--	1.5E+10	--	7.4E-08	--	3.5E+09	--	3.1E-07
NP-1	11/16/2017	19	20	75-71-8	Freon 12	89.6	--	1.3E+09	--	7.1E-08	--	3.0E+08	--	3.0E-07
NP-1	11/16/2017	19	20	127-18-4	Tetrachloroethene (PCE)	20000	8.7E+07	6.6E+08	2.3E-09	3.0E-05	2.0E+06	1.6E+08	1.0E-08	1.3E-04
NP-1	11/16/2017	19	20	79-01-6	Trichloroethene (TCE)	81.8	9.5E+07	2.8E+07	8.6E-12	2.9E-06	1.5E+06	6.7E+06	5.4E-11	1.2E-05
NP-1	11/16/2017	49	50	71-55-6	1,1,1-Trichloroethane	1010	--	2.6E+10	--	4.0E-08	--	6.1E+09	--	1.7E-07
NP-1	11/16/2017	49	50	75-35-4	1,1-Dichloroethene	192	--	1.3E+09	--	1.4E-07	--	3.2E+08	--	6.0E-07
NP-1	11/16/2017	49	50	67-66-3	Chloroform	10.3	2.6E+07	2.1E+09	4.0E-12	4.9E-09	6.0E+05	5.0E+08	1.7E-11	2.1E-08
NP-1	11/16/2017	49	50	75-69-4	Freon 11	5	--	3.0E+10	--	1.6E-10	--	7.2E+09	--	6.9E-10
NP-1	11/16/2017	49	50	76-13-1	Freon 113	75.8	--	1.3E+12	--	5.7E-11	--	3.1E+11	--	2.4E-10
NP-1	11/16/2017	49	50	75-71-8	Freon 12	1720	--	2.2E+09	--	7.9E-07	--	5.2E+08	--	3.3E-06
NP-1	11/16/2017	49	50	127-18-4	Tetrachloroethene (PCE)	21800	1.5E+08	1.1E+09	1.5E-09	1.9E-05	3.4E+06	2.7E+08	6.3E-09	8.0E-05
NP-1	11/16/2017	49	50	79-01-6	Trichloroethene (TCE)	54.2	1.6E+08	4.8E+07	3.3E-12	1.1E-06	2.6E+06	1.1E+07	2.1E-11	4.7E-06
NP-1	11/16/2017	70	50	71-55-6	1,1,1-Trichloroethane	455	--	2.6E+10	--	1.8E-08	--	6.1E+09	--	7.5E-08
NP-1	11/16/2017	70	50	75-35-4	1,1-Dichloroethene	443	--	1.3E+09	--	3.3E-07	--	3.2E+08	--	1.4E-06
NP-1	11/16/2017	70	50	67-66-3	Chloroform	20.8	2.6E+07	2.1E+09	8.0E-12	9.9E-09	6.0E+05	5.0E+08	3.5E-11	4.2E-08
NP-1	11/16/2017	70	50	75-27-4	Dichlorobromomethane	6	2.2E+07	2.3E+09	2.7E-12	2.6E-09	5.0E+05	5.5E+08	1.2E-11	1.1E-08
NP-1	11/16/2017	70	50	76-13-1	Freon 113	97.6	--	1.3E+12	--	7.4E-11	--	3.1E+11	--	3.1E-10
NP-1	11/16/2017	70	50	75-71-8	Freon 12	2530	--	2.2E+09	--	1.2E-06	--	5.2E+08	--	4.9E-06
NP-1	11/16/2017	70	50	127-18-4	Tetrachloroethene (PCE)	13200	1.5E+08	1.1E+09	8.8E-10	1.2E-05	3.4E+06	2.7E+08	3.8E-09	4.8E-05
NP-1	11/16/2017	70	50	79-01-6	Trichloroethene (TCE)	86	1.6E+08	4.8E+07	5.2E-12	1.8E-06	2.6E+06	1.1E+07	3.3E-11	7.5E-06
NP-1	11/16/2017	85	80	630-20-6	1,1,1,2-Tetrachloroethane	11.1	1.8E+08	5.8E+09	6.1E-13	1.9E-09	4.2E+06	1.4E+09	2.7E-12	8.1E-09
NP-1	11/16/2017	85	80	71-55-6	1,1,1-Trichloroethane	157	--	3.6E+10	--	4.3E-09	--	8.6E+09	--	1.8E-08
NP-1	11/16/2017	85	80	75-34-3	1,1-Dichloroethane	260	4.9E+08	2.2E+10	5.3E-12	1.2E-08	1.1E+07	5.3E+09	2.3E-11	4.9E-08
NP-1	11/16/2017	85	80	75-35-4	1,1-Dichloroethene	1090	--	1.9E+09	--	5.7E-07	--	4.5E+08	--	2.4E-06
NP-1	11/16/2017	85	80	67-66-3	Chloroform	21.8	3.7E+07	3.0E+09	5.9E-12	7.3E-09	8.5E+05	7.1E+08	2.6E-11	3.1E-08
NP-1	11/16/2017	85	80	75-27-4	Dichlorobromomethane	5	3.1E+07	3.3E+09	1.6E-12	1.5E-09	7.1E+05	7.8E+08	7.0E-12	6.4E-09
NP-1	11/16/2017	85	80	76-13-1	Freon 113	34	--	1.9E+12	--	1.8E-11	--	4.5E+11	--	7.6E-11
NP-1	11/16/2017	85	80	75-71-8	Freon 12	2900	--	3.1E+09	--	9.4E-07	--	7.4E+08	--	3.9E-06

Boring ID	Sample Date	Sample Depth (ft bgs)	RBC Depth Assigned	CAS Number	Analyte	Concentration in Soil Vapor ($\mu\text{g}/\text{m}^3$)	Future Commercial Worker				Future Resident			
							RBC _{SV-C} ($\mu\text{g}/\text{m}^3$)	RBC _{SV-NC} ($\mu\text{g}/\text{m}^3$)	Cancer Risk	Noncancer Hazard	RBC _{SV-C} ($\mu\text{g}/\text{m}^3$)	RBC _{SV-NC} ($\mu\text{g}/\text{m}^3$)	Cancer Risk	Noncancer Hazard
NP-1	11/16/2017	85	80	127-18-4	Tetrachloroethene (PCE)	46200	2.1E+08	1.6E+09	2.2E-09	2.8E-05	4.9E+06	3.9E+08	9.5E-09	1.2E-04
NP-1	11/16/2017	85	80	79-01-6	Trichloroethene (TCE)	508	2.3E+08	6.8E+07	2.2E-11	7.4E-06	3.7E+06	1.6E+07	1.4E-10	3.1E-05
NP-2	11/16/2017	15	15	630-20-6	1,1,1,2-Tetrachloroethane	145	6.5E+07	2.0E+09	2.2E-11	7.1E-08	1.5E+06	4.9E+08	9.8E-11	3.0E-07
NP-2	11/16/2017	15	15	67-66-3	Chloroform	28.7	1.3E+07	1.1E+09	2.2E-11	2.7E-08	3.0E+05	2.5E+08	9.4E-11	1.1E-07
NP-2	11/16/2017	15	15	156-59-2	cis-1,2-Dichloroethene	30.9	--	7.6E+07	--	4.1E-07	--	1.8E+07	--	1.7E-06
NP-2	11/16/2017	15	15	76-13-1	Freon 113	8	--	6.7E+11	--	1.2E-11	--	1.6E+11	--	5.0E-11
NP-2	11/16/2017	15	15	75-71-8	Freon 12	357	--	1.1E+09	--	3.2E-07	--	2.7E+08	--	1.3E-06
NP-2	11/16/2017	15	15	127-18-4	Tetrachloroethene (PCE)	1270000	7.7E+07	5.8E+08	1.7E-07	2.2E-03	1.8E+06	1.4E+08	7.2E-07	9.1E-03
NP-2	11/16/2017	15	15	79-01-6	Trichloroethene (TCE)	3350	8.4E+07	2.5E+07	4.0E-10	1.4E-04	1.3E+06	5.9E+06	2.5E-09	5.7E-04
NP-2	11/16/2017	37	30	630-20-6	1,1,1,2-Tetrachloroethane	147	9.2E+07	2.9E+09	1.6E-11	5.1E-08	2.1E+06	6.9E+08	7.0E-11	2.1E-07
NP-2	11/16/2017	37	30	67-66-3	Chloroform	16.2	1.9E+07	1.5E+09	8.6E-12	1.1E-08	4.3E+05	3.6E+08	3.8E-11	4.5E-08
NP-2	11/16/2017	37	30	76-13-1	Freon 113	41	--	9.5E+11	--	4.3E-11	--	2.3E+11	--	1.8E-10
NP-2	11/16/2017	37	30	127-18-4	Tetrachloroethene (PCE)	1450000	1.1E+08	8.2E+08	1.3E-07	1.8E-03	2.5E+06	2.0E+08	5.9E-07	7.4E-03
NP-2	11/16/2017	37	30	79-01-6	Trichloroethene (TCE)	2600	1.2E+08	3.5E+07	2.2E-10	7.5E-05	1.9E+06	8.3E+06	1.4E-09	3.1E-04
NP-2	11/16/2017	51	50	630-20-6	1,1,1,2-Tetrachloroethane	514	1.3E+08	4.1E+09	4.0E-11	1.3E-07	2.9E+06	9.6E+08	1.8E-10	5.3E-07
NP-2	11/16/2017	51	50	75-35-4	1,1-Dichloroethene	44.8	--	1.3E+09	--	3.3E-08	--	3.2E+08	--	1.4E-07
NP-2	11/16/2017	51	50	67-66-3	Chloroform	92.6	2.6E+07	2.1E+09	3.6E-11	4.4E-08	6.0E+05	5.0E+08	1.6E-10	1.9E-07
NP-2	11/16/2017	51	50	75-27-4	Dichlorobromomethane	4	2.2E+07	2.3E+09	1.8E-12	1.7E-09	5.0E+05	5.5E+08	8.0E-12	7.3E-09
NP-2	11/16/2017	51	50	75-69-4	Freon 11	5	--	3.0E+10	--	1.6E-10	--	7.2E+09	--	6.9E-10
NP-2	11/16/2017	51	50	76-13-1	Freon 113	141	--	1.3E+12	--	1.1E-10	--	3.1E+11	--	4.5E-10
NP-2	11/16/2017	51	50	127-18-4	Tetrachloroethene (PCE)	3150000	1.5E+08	1.1E+09	2.1E-07	2.8E-03	3.4E+06	2.7E+08	9.2E-07	1.2E-02
NP-2	11/16/2017	51	50	108-88-3	Toluene	9.5	--	6.4E+09	--	1.5E-09	--	1.5E+09	--	6.3E-09
NP-2	11/16/2017	51	50	156-60-5	trans-1,2-Dichloroethene	8.2	--	1.5E+09	--	5.4E-09	--	3.6E+08	--	2.3E-08
NP-2	11/16/2017	51	50	79-01-6	Trichloroethene (TCE)	3990	1.6E+08	4.8E+07	2.4E-10	8.3E-05	2.6E+06	1.1E+07	1.5E-09	3.5E-04
NP-2	11/16/2017	81	80	630-20-6	1,1,1,2-Tetrachloroethane	131	1.8E+08	5.8E+09	7.2E-12	2.3E-08	4.2E+06	1.4E+09	3.1E-11	9.5E-08
NP-2	11/16/2017	81	80	75-35-4	1,1-Dichloroethene	129	--	1.9E+09	--	6.8E-08	--	4.5E+08	--	2.8E-07
NP-2	11/16/2017	81	80	67-66-3	Chloroform	109	3.7E+07	3.0E+09	2.9E-11	3.7E-08	8.5E+05	7.1E+08	1.3E-10	1.5E-07
NP-2	11/16/2017	81	80	76-13-1	Freon 113	108	--	1.9E+12	--	5.8E-11	--	4.5E+11	--	2.4E-10
NP-2	11/16/2017	81	80	127-18-4	Tetrachloroethene (PCE)	1570000	2.1E+08	1.6E+09	7.4E-08	9.7E-04	4.9E+06	3.9E+08	3.2E-07	4.1E-03
NP-2	11/16/2017	81	80	79-01-6	Trichloroethene (TCE)	3380	2.3E+08	6.8E+07	1.4E-10	5.0E-05	3.7E+06	1.6E+07	9.1E-10	2.1E-04
NP-3	11/16/2017	13	15	630-20-6	1,1,1,2-Tetrachloroethane	502	6.5E+07	2.0E+09	7.8E-11	2.5E-07	1.5E+06	4.9E+08	3.4E-10	1.0E-06
NP-3	11/16/2017	13	15	67-66-3	Chloroform	82.8	1.3E+07	1.1E+09	6.2E-11	7.7E-08	3.0E+05	2.5E+08	2.7E-10	3.3E-07

Boring ID	Sample Date	Sample Depth (ft bgs)	RBC Depth Assigned	CAS Number	Analyte	Concentration in Soil Vapor ($\mu\text{g}/\text{m}^3$)	Future Commercial Worker				Future Resident			
							RBC _{SV-C} ($\mu\text{g}/\text{m}^3$)	RBC _{SV-NC} ($\mu\text{g}/\text{m}^3$)	Cancer Risk	Noncancer Hazard	RBC _{SV-C} ($\mu\text{g}/\text{m}^3$)	RBC _{SV-NC} ($\mu\text{g}/\text{m}^3$)	Cancer Risk	Noncancer Hazard
NP-3	11/16/2017	13	15	76-13-1	Freon 113	17	--	6.7E+11	--	2.5E-11	--	1.6E+11	--	1.1E-10
NP-3	11/16/2017	13	15	75-71-8	Freon 12	208	--	1.1E+09	--	1.9E-07	--	2.7E+08	--	7.8E-07
NP-3	11/16/2017	13	15	127-18-4	Tetrachloroethene (PCE)	5120000	7.7E+07	5.8E+08	6.7E-07	8.8E-03	1.8E+06	1.4E+08	2.9E-06	3.7E-02
NP-3	11/16/2017	13	15	156-60-5	trans-1,2-Dichloroethene	9.6	--	7.7E+08	--	1.2E-08	--	1.8E+08	--	5.2E-08
NP-3	11/16/2017	13	15	79-01-6	Trichloroethene (TCE)	5120	8.4E+07	2.5E+07	6.1E-10	2.1E-04	1.3E+06	5.9E+06	3.8E-09	8.7E-04
NP-3	11/16/2017	33	30	630-20-6	1,1,1,2-Tetrachloroethane	1240	9.2E+07	2.9E+09	1.4E-10	4.3E-07	2.1E+06	6.9E+08	5.9E-10	1.8E-06
NP-3	11/16/2017	33	30	71-55-6	1,1,1-Trichloroethane	8	--	1.8E+10	--	4.4E-10	--	4.4E+09	--	1.8E-09
NP-3	11/16/2017	33	30	75-35-4	1,1-Dichloroethene	13.6	--	9.7E+08	--	1.4E-08	--	2.3E+08	--	5.9E-08
NP-3	11/16/2017	33	30	67-66-3	Chloroform	97.8	1.9E+07	1.5E+09	5.2E-11	6.5E-08	4.3E+05	3.6E+08	2.3E-10	2.7E-07
NP-3	11/16/2017	33	30	156-59-2	cis-1,2-Dichloroethene	19.6	--	1.1E+08	--	1.8E-07	--	2.6E+07	--	7.7E-07
NP-3	11/16/2017	33	30	76-13-1	Freon 113	37	--	9.5E+11	--	3.9E-11	--	2.3E+11	--	1.6E-10
NP-3	11/16/2017	33	30	75-71-8	Freon 12	471	--	1.6E+09	--	3.0E-07	--	3.7E+08	--	1.3E-06
NP-3	11/16/2017	33	30	127-18-4	Tetrachloroethene (PCE)	8030000	1.1E+08	8.2E+08	7.4E-07	9.7E-03	2.5E+06	2.0E+08	3.2E-06	4.1E-02
NP-3	11/16/2017	33	30	108-88-3	Toluene	20.2	--	4.6E+09	--	4.4E-09	--	1.1E+09	--	1.8E-08
NP-3	11/16/2017	33	30	156-60-5	trans-1,2-Dichloroethene	10.2	--	1.1E+09	--	9.4E-09	--	2.6E+08	--	3.9E-08
NP-3	11/16/2017	33	30	79-01-6	Trichloroethene (TCE)	4790	1.2E+08	3.5E+07	4.0E-10	1.4E-04	1.9E+06	8.3E+06	2.5E-09	5.8E-04
NP-3	11/16/2017	53	50	630-20-6	1,1,1,2-Tetrachloroethane	587	1.3E+08	4.1E+09	4.6E-11	1.4E-07	2.9E+06	9.6E+08	2.0E-10	6.1E-07
NP-3	11/16/2017	53	50	67-66-3	Chloroform	181	2.6E+07	2.1E+09	6.9E-11	8.6E-08	6.0E+05	5.0E+08	3.0E-10	3.6E-07
NP-3	11/16/2017	53	50	76-13-1	Freon 113	37	--	1.3E+12	--	2.8E-11	--	3.1E+11	--	1.2E-10
NP-3	11/16/2017	53	50	127-18-4	Tetrachloroethene (PCE)	3480000	1.5E+08	1.1E+09	2.3E-07	3.0E-03	3.4E+06	2.7E+08	1.0E-06	1.3E-02
NP-3	11/16/2017	53	50	79-01-6	Trichloroethene (TCE)	3210	1.6E+08	4.8E+07	2.0E-10	6.7E-05	2.6E+06	1.1E+07	1.2E-09	2.8E-04
NP-4	11/16/2017	13	15	71-55-6	1,1,1-Trichloroethane	15	--	1.3E+10	--	1.2E-09	--	3.1E+09	--	4.8E-09
NP-4	11/16/2017	13	15	76-13-1	Freon 113	32	--	6.7E+11	--	4.7E-11	--	1.6E+11	--	2.0E-10
NP-4	11/16/2017	13	15	75-71-8	Freon 12	485	--	1.1E+09	--	4.3E-07	--	2.7E+08	--	1.8E-06
NP-4	11/16/2017	13	15	127-18-4	Tetrachloroethene (PCE)	1890000	7.7E+07	5.8E+08	2.5E-07	3.2E-03	1.8E+06	1.4E+08	1.1E-06	1.4E-02
NP-4	11/16/2017	13	15	79-01-6	Trichloroethene (TCE)	2340	8.4E+07	2.5E+07	2.8E-10	9.5E-05	1.3E+06	5.9E+06	1.7E-09	4.0E-04
NP-4	11/16/2017	35	30	630-20-6	1,1,1,2-Tetrachloroethane	5530	9.2E+07	2.9E+09	6.0E-10	1.9E-06	2.1E+06	6.9E+08	2.6E-09	8.0E-06
NP-4	11/16/2017	35	30	75-35-4	1,1-Dichloroethene	25.8	--	9.7E+08	--	2.7E-08	--	2.3E+08	--	1.1E-07
NP-4	11/16/2017	35	30	76-13-1	Freon 113	84.4	--	9.5E+11	--	8.9E-11	--	2.3E+11	--	3.7E-10
NP-4	11/16/2017	35	30	127-18-4	Tetrachloroethene (PCE)	1790000	1.1E+08	8.2E+08	1.7E-07	2.2E-03	2.5E+06	2.0E+08	7.2E-07	9.1E-03
NP-4	11/16/2017	35	30	79-01-6	Trichloroethene (TCE)	3430	1.2E+08	3.5E+07	2.9E-10	9.9E-05	1.9E+06	8.3E+06	1.8E-09	4.2E-04
NP-4	11/16/2017	51	50	630-20-6	1,1,1,2-Tetrachloroethane	124	1.3E+08	4.1E+09	9.7E-12	3.1E-08	2.9E+06	9.6E+08	4.2E-11	1.3E-07

Boring ID	Sample Date	Sample Depth (ft bgs)	RBC Depth Assigned	CAS Number	Analyte	Concentration in Soil Vapor ($\mu\text{g}/\text{m}^3$)	Future Commercial Worker				Future Resident			
							RBC _{SV-C} ($\mu\text{g}/\text{m}^3$)	RBC _{SV-NC} ($\mu\text{g}/\text{m}^3$)	Cancer Risk	Noncancer Hazard	RBC _{SV-C} ($\mu\text{g}/\text{m}^3$)	RBC _{SV-NC} ($\mu\text{g}/\text{m}^3$)	Cancer Risk	Noncancer Hazard
NP-4	11/16/2017	51	50	75-35-4	1,1-Dichloroethene	22.1	--	1.3E+09	--	1.6E-08	--	3.2E+08	--	6.9E-08
NP-4	11/16/2017	51	50	67-66-3	Chloroform	336	2.6E+07	2.1E+09	1.3E-10	1.6E-07	6.0E+05	5.0E+08	5.6E-10	6.7E-07
NP-4	11/16/2017	51	50	75-27-4	Dichlorobromomethane	4	2.2E+07	2.3E+09	1.8E-12	1.7E-09	5.0E+05	5.5E+08	8.0E-12	7.3E-09
NP-4	11/16/2017	51	50	76-13-1	Freon 113	45.9	--	1.3E+12	--	3.5E-11	--	3.1E+11	--	1.5E-10
NP-4	11/16/2017	51	50	75-71-8	Freon 12	762	--	2.2E+09	--	3.5E-07	--	5.2E+08	--	1.5E-06
NP-4	11/16/2017	51	50	127-18-4	Tetrachloroethene (PCE)	684000	1.5E+08	1.1E+09	4.6E-08	6.0E-04	3.4E+06	2.7E+08	2.0E-07	2.5E-03
NP-4	11/16/2017	51	50	108-88-3	Toluene	6	--	6.4E+09	--	9.4E-10	--	1.5E+09	--	4.0E-09
NP-4	11/16/2017	51	50	79-01-6	Trichloroethene (TCE)	2550	1.6E+08	4.8E+07	1.6E-10	5.3E-05	2.6E+06	1.1E+07	9.7E-10	2.2E-04
NP-4	11/16/2017	83	80	630-20-6	1,1,1,2-Tetrachloroethane	31.4	1.8E+08	5.8E+09	1.7E-12	5.4E-09	4.2E+06	1.4E+09	7.5E-12	2.3E-08
NP-4	11/16/2017	83	80	75-35-4	1,1-Dichloroethene	60.8	--	1.9E+09	--	3.2E-08	--	4.5E+08	--	1.3E-07
NP-4	11/16/2017	83	80	71-43-2	Benzene	4	2.5E+07	7.9E+07	1.6E-12	5.1E-08	5.8E+05	1.9E+07	6.9E-12	2.1E-07
NP-4	11/16/2017	83	80	67-66-3	Chloroform	1040	3.7E+07	3.0E+09	2.8E-10	3.5E-07	8.5E+05	7.1E+08	1.2E-09	1.5E-06
NP-4	11/16/2017	83	80	76-13-1	Freon 113	70.8	--	1.9E+12	--	3.8E-11	--	4.5E+11	--	1.6E-10
NP-4	11/16/2017	83	80	127-18-4	Tetrachloroethene (PCE)	781000	2.1E+08	1.6E+09	3.7E-08	4.8E-04	4.9E+06	3.9E+08	1.6E-07	2.0E-03
NP-4	11/16/2017	83	80	79-01-6	Trichloroethene (TCE)	4950	2.3E+08	6.8E+07	2.1E-10	7.2E-05	3.7E+06	1.6E+07	1.3E-09	3.0E-04
NP-5	11/16/2017	15	15	67-66-3	Chloroform	14.4	1.3E+07	1.1E+09	1.1E-11	1.3E-08	3.0E+05	2.5E+08	4.7E-11	5.7E-08
NP-5	11/16/2017	15	15	76-13-1	Freon 113	41.8	--	6.7E+11	--	6.2E-11	--	1.6E+11	--	2.6E-10
NP-5	11/16/2017	15	15	75-71-8	Freon 12	303	--	1.1E+09	--	2.7E-07	--	2.7E+08	--	1.1E-06
NP-5	11/16/2017	15	15	127-18-4	Tetrachloroethene (PCE)	6610	7.7E+07	5.8E+08	8.6E-10	1.1E-05	1.8E+06	1.4E+08	3.8E-09	4.7E-05
NP-5	11/16/2017	15	15	79-01-6	Trichloroethene (TCE)	7320	8.4E+07	2.5E+07	8.7E-10	3.0E-04	1.3E+06	5.9E+06	5.5E-09	1.3E-03
NP-5	11/16/2017	35	30	71-55-6	1,1,1-Trichloroethane	7	--	1.8E+10	--	3.8E-10	--	4.4E+09	--	1.6E-09
NP-5	11/16/2017	35	30	75-35-4	1,1-Dichloroethene	102	--	9.7E+08	--	1.1E-07	--	2.3E+08	--	4.4E-07
NP-5	11/16/2017	35	30	67-66-3	Chloroform	120	1.9E+07	1.5E+09	6.4E-11	8.0E-08	4.3E+05	3.6E+08	2.8E-10	3.3E-07
NP-5	11/16/2017	35	30	76-13-1	Freon 113	229	--	9.5E+11	--	2.4E-10	--	2.3E+11	--	1.0E-09
NP-5	11/16/2017	35	30	75-71-8	Freon 12	1940	--	1.6E+09	--	1.2E-06	--	3.7E+08	--	5.2E-06
NP-5	11/16/2017	35	30	127-18-4	Tetrachloroethene (PCE)	20800	1.1E+08	8.2E+08	1.9E-09	2.5E-05	2.5E+06	2.0E+08	8.4E-09	1.1E-04
NP-5	11/16/2017	35	30	79-01-6	Trichloroethene (TCE)	18900	1.2E+08	3.5E+07	1.6E-09	5.5E-04	1.9E+06	8.3E+06	1.0E-08	2.3E-03
NP-5	11/16/2017	57	50	75-35-4	1,1-Dichloroethene	205	--	1.3E+09	--	1.5E-07	--	3.2E+08	--	6.4E-07
NP-5	11/16/2017	57	50	71-43-2	Benzene	7	1.8E+07	5.5E+07	3.9E-12	1.3E-07	4.1E+05	1.3E+07	1.7E-11	5.3E-07
NP-5	11/16/2017	57	50	67-66-3	Chloroform	457	2.6E+07	2.1E+09	1.8E-10	2.2E-07	6.0E+05	5.0E+08	7.7E-10	9.2E-07
NP-5	11/16/2017	57	50	76-13-1	Freon 113	116	--	1.3E+12	--	8.8E-11	--	3.1E+11	--	3.7E-10
NP-5	11/16/2017	57	50	75-71-8	Freon 12	1070	--	2.2E+09	--	4.9E-07	--	5.2E+08	--	2.1E-06

Boring ID	Sample Date	Sample Depth (ft bgs)	RBC Depth Assigned	CAS Number	Analyte	Concentration in Soil Vapor ($\mu\text{g}/\text{m}^3$)	Future Commercial Worker				Future Resident			
							RBC _{SV-C} ($\mu\text{g}/\text{m}^3$)	RBC _{SV-NC} ($\mu\text{g}/\text{m}^3$)	Cancer Risk	Noncancer Hazard	RBC _{SV-C} ($\mu\text{g}/\text{m}^3$)	RBC _{SV-NC} ($\mu\text{g}/\text{m}^3$)	Cancer Risk	Noncancer Hazard
NP-5	11/16/2017	57	50	127-18-4	Tetrachloroethene (PCE)	18000	1.5E+08	1.1E+09	1.2E-09	1.6E-05	3.4E+06	2.7E+08	5.2E-09	6.6E-05
NP-5	11/16/2017	57	50	108-88-3	Toluene	5	--	6.4E+09	--	7.8E-10	--	1.5E+09	--	3.3E-09
NP-5	11/16/2017	57	50	79-01-6	Trichloroethene (TCE)	11700	1.6E+08	4.8E+07	7.1E-10	2.4E-04	2.6E+06	1.1E+07	4.5E-09	1.0E-03
NP-6	11/16/2017	15	15	71-55-6	1,1,1-Trichloroethane	22.2	--	1.3E+10	--	1.7E-09	--	3.1E+09	--	7.1E-09
NP-6	11/16/2017	15	15	75-71-8	Freon 12	60.3	--	1.1E+09	--	5.4E-08	--	2.7E+08	--	2.3E-07
NP-6	11/16/2017	15	15	127-18-4	Tetrachloroethene (PCE)	5580	7.7E+07	5.8E+08	7.3E-10	9.5E-06	1.8E+06	1.4E+08	3.2E-09	4.0E-05
NP-6	11/16/2017	15	15	79-01-6	Trichloroethene (TCE)	13.2	8.4E+07	2.5E+07	1.6E-12	5.4E-07	1.3E+06	5.9E+06	9.8E-12	2.3E-06
NP-6	11/16/2017	40	30	75-35-4	1,1-Dichloroethene	462	--	9.7E+08	--	4.8E-07	--	2.3E+08	--	2.0E-06
NP-6	11/16/2017	40	30	76-13-1	Freon 113	21	--	9.5E+11	--	2.2E-11	--	2.3E+11	--	9.3E-11
NP-6	11/16/2017	40	30	127-18-4	Tetrachloroethene (PCE)	5580	1.1E+08	8.2E+08	5.2E-10	6.8E-06	2.5E+06	2.0E+08	2.3E-09	2.8E-05
NP-6	11/16/2017	40	30	79-01-6	Trichloroethene (TCE)	178	1.2E+08	3.5E+07	1.5E-11	5.1E-06	1.9E+06	8.3E+06	9.4E-11	2.2E-05
NP-6	11/16/2017	60	50	71-55-6	1,1,1-Trichloroethane	12.7	--	2.6E+10	--	5.0E-10	--	6.1E+09	--	2.1E-09
NP-6	11/16/2017	60	50	75-35-4	1,1-Dichloroethene	502	--	1.3E+09	--	3.7E-07	--	3.2E+08	--	1.6E-06
NP-6	11/16/2017	60	50	67-66-3	Chloroform	22.4	2.6E+07	2.1E+09	8.6E-12	1.1E-08	6.0E+05	5.0E+08	3.8E-11	4.5E-08
NP-6	11/16/2017	60	50	75-27-4	Dichlorobromomethane	4	2.2E+07	2.3E+09	1.8E-12	1.7E-09	5.0E+05	5.5E+08	8.0E-12	7.3E-09
NP-6	11/16/2017	60	50	76-13-1	Freon 113	33	--	1.3E+12	--	2.5E-11	--	3.1E+11	--	1.1E-10
NP-6	11/16/2017	60	50	75-71-8	Freon 12	329	--	2.2E+09	--	1.5E-07	--	5.2E+08	--	6.3E-07
NP-6	11/16/2017	60	50	127-18-4	Tetrachloroethene (PCE)	4440	1.5E+08	1.1E+09	3.0E-10	3.9E-06	3.4E+06	2.7E+08	1.3E-09	1.6E-05
NP-6	11/16/2017	60	50	79-01-6	Trichloroethene (TCE)	678	1.6E+08	4.8E+07	4.1E-11	1.4E-05	2.6E+06	1.1E+07	2.6E-10	5.9E-05
NP-6	11/16/2017	86	80	75-35-4	1,1-Dichloroethene	163	--	1.9E+09	--	8.6E-08	--	4.5E+08	--	3.6E-07
NP-6	11/16/2017	86	80	76-13-1	Freon 113	5	--	1.9E+12	--	2.7E-12	--	4.5E+11	--	1.1E-11
NP-6	11/16/2017	86	80	127-18-4	Tetrachloroethene (PCE)	5220	2.1E+08	1.6E+09	2.4E-10	3.2E-06	4.9E+06	3.9E+08	1.1E-09	1.3E-05
NP-6	11/16/2017	86	80	79-01-6	Trichloroethene (TCE)	173	2.3E+08	6.8E+07	7.4E-12	2.5E-06	3.7E+06	1.6E+07	4.6E-11	1.1E-05
NP-7	11/16/2017	17	15	71-55-6	1,1,1-Trichloroethane	19.3	--	1.3E+10	--	1.5E-09	--	3.1E+09	--	6.2E-09
NP-7	11/16/2017	17	15	75-69-4	Freon 11	7	--	1.6E+10	--	4.5E-10	--	3.7E+09	--	1.9E-09
NP-7	11/16/2017	17	15	76-13-1	Freon 113	53.3	--	6.7E+11	--	7.9E-11	--	1.6E+11	--	3.3E-10
NP-7	11/16/2017	17	15	75-71-8	Freon 12	624	--	1.1E+09	--	5.6E-07	--	2.7E+08	--	2.3E-06
NP-7	11/16/2017	17	15	127-18-4	Tetrachloroethene (PCE)	5450	7.7E+07	5.8E+08	7.1E-10	9.3E-06	1.8E+06	1.4E+08	3.1E-09	3.9E-05
NP-7	11/16/2017	17	15	79-01-6	Trichloroethene (TCE)	28.4	8.4E+07	2.5E+07	3.4E-12	1.2E-06	1.3E+06	5.9E+06	2.1E-11	4.9E-06
NP-7	11/16/2017	17	15	71-55-6	1,1,1-Trichloroethane	20	--	1.3E+10	--	1.5E-09	--	3.1E+09	--	6.4E-09
NP-7	11/16/2017	17	15	75-69-4	Freon 11	8	--	1.6E+10	--	5.1E-10	--	3.7E+09	--	2.2E-09
NP-7	11/16/2017	17	15	76-13-1	Freon 113	55.2	--	6.7E+11	--	8.2E-11	--	1.6E+11	--	3.4E-10

Boring ID	Sample Date	Sample Depth (ft bgs)	RBC Depth Assigned	CAS Number	Analyte	Concentration in Soil Vapor ($\mu\text{g}/\text{m}^3$)	Future Commercial Worker				Future Resident			
							RBC _{SV-C} ($\mu\text{g}/\text{m}^3$)	RBC _{SV-NC} ($\mu\text{g}/\text{m}^3$)	Cancer Risk	Noncancer Hazard	RBC _{SV-C} ($\mu\text{g}/\text{m}^3$)	RBC _{SV-NC} ($\mu\text{g}/\text{m}^3$)	Cancer Risk	Noncancer Hazard
NP-7	11/16/2017	17	15	75-71-8	Freon 12	625	--	1.1E+09	--	5.6E-07	--	2.7E+08	--	2.4E-06
NP-7	11/16/2017	17	15	127-18-4	Tetrachloroethene (PCE)	5920	7.7E+07	5.8E+08	7.7E-10	1.0E-05	1.8E+06	1.4E+08	3.4E-09	4.3E-05
NP-7	11/16/2017	17	15	79-01-6	Trichloroethene (TCE)	20.4	8.4E+07	2.5E+07	2.4E-12	8.3E-07	1.3E+06	5.9E+06	1.5E-11	3.5E-06
NP-7	11/16/2017	35	30	71-55-6	1,1,1-Trichloroethane	14.3	--	1.8E+10	--	7.8E-10	--	4.4E+09	--	3.3E-09
NP-7	11/16/2017	35	30	75-35-4	1,1-Dichloroethene	134	--	9.7E+08	--	1.4E-07	--	2.3E+08	--	5.8E-07
NP-7	11/16/2017	35	30	124-48-1	Chlorodibromomethane	4	4.0E+07	2.4E+09	1.0E-12	1.7E-09	9.1E+05	5.7E+08	4.4E-12	7.0E-09
NP-7	11/16/2017	35	30	67-66-3	Chloroform	18	1.9E+07	1.5E+09	9.6E-12	1.2E-08	4.3E+05	3.6E+08	4.2E-11	5.0E-08
NP-7	11/16/2017	35	30	75-27-4	Dichlorobromomethane	4	1.6E+07	1.7E+09	2.6E-12	2.4E-09	3.6E+05	3.9E+08	1.1E-11	1.0E-08
NP-7	11/16/2017	35	30	75-69-4	Freon 11	18.3	--	2.2E+10	--	8.3E-10	--	5.2E+09	--	3.5E-09
NP-7	11/16/2017	35	30	76-13-1	Freon 113	159	--	9.5E+11	--	1.7E-10	--	2.3E+11	--	7.0E-10
NP-7	11/16/2017	35	30	75-71-8	Freon 12	1830	--	1.6E+09	--	1.2E-06	--	3.7E+08	--	4.9E-06
NP-7	11/16/2017	35	30	127-18-4	Tetrachloroethene (PCE)	7920	1.1E+08	8.2E+08	7.3E-10	9.6E-06	2.5E+06	2.0E+08	3.2E-09	4.0E-05
NP-7	11/16/2017	35	30	79-01-6	Trichloroethene (TCE)	1160	1.2E+08	3.5E+07	9.8E-11	3.3E-05	1.9E+06	8.3E+06	6.1E-10	1.4E-04
NP-7	11/16/2017	53	50	71-55-6	1,1,1-Trichloroethane	20.4	--	2.6E+10	--	8.0E-10	--	6.1E+09	--	3.4E-09
NP-7	11/16/2017	53	50	75-34-3	1,1-Dichloroethane	9.3	3.5E+08	1.6E+10	2.7E-13	5.9E-10	7.9E+06	3.8E+09	1.2E-12	2.5E-09
NP-7	11/16/2017	53	50	75-35-4	1,1-Dichloroethene	991	--	1.3E+09	--	7.4E-07	--	3.2E+08	--	3.1E-06
NP-7	11/16/2017	53	50	56-23-5	Carbon Tetrachloride	13.8	1.9E+07	1.2E+09	7.2E-12	1.2E-08	4.4E+05	2.8E+08	3.1E-11	5.0E-08
NP-7	11/16/2017	53	50	67-66-3	Chloroform	47.1	2.6E+07	2.1E+09	1.8E-11	2.2E-08	6.0E+05	5.0E+08	7.9E-11	9.4E-08
NP-7	11/16/2017	53	50	75-69-4	Freon 11	7	--	3.0E+10	--	2.3E-10	--	7.2E+09	--	9.7E-10
NP-7	11/16/2017	53	50	76-13-1	Freon 113	117	--	1.3E+12	--	8.9E-11	--	3.1E+11	--	3.7E-10
NP-7	11/16/2017	53	50	75-71-8	Freon 12	1040	--	2.2E+09	--	4.8E-07	--	5.2E+08	--	2.0E-06
NP-7	11/16/2017	53	50	127-18-4	Tetrachloroethene (PCE)	8410	1.5E+08	1.1E+09	5.6E-10	7.3E-06	3.4E+06	2.7E+08	2.4E-09	3.1E-05
NP-7	11/16/2017	53	50	79-01-6	Trichloroethene (TCE)	3080	1.6E+08	4.8E+07	1.9E-10	6.4E-05	2.6E+06	1.1E+07	1.2E-09	2.7E-04
NP-7	11/16/2017	53	50	75-01-4	Vinyl Chloride	5	5.6E+06	1.6E+09	9.0E-12	3.2E-09	3.3E+04	3.7E+08	1.5E-10	1.4E-08
NP-8	11/16/2017	17	15	71-55-6	1,1,1-Trichloroethane	225	--	1.3E+10	--	1.7E-08	--	3.1E+09	--	7.2E-08
NP-8	11/16/2017	17	15	56-23-5	Carbon Tetrachloride	30	9.9E+06	5.9E+08	3.0E-11	5.1E-08	2.3E+05	1.4E+08	1.3E-10	2.1E-07
NP-8	11/16/2017	17	15	75-71-8	Freon 12	33.2	--	1.1E+09	--	3.0E-08	--	2.7E+08	--	1.2E-07
NP-8	11/16/2017	17	15	127-18-4	Tetrachloroethene (PCE)	2290	7.7E+07	5.8E+08	3.0E-10	3.9E-06	1.8E+06	1.4E+08	1.3E-09	1.6E-05
NP-8	11/16/2017	37	30	71-55-6	1,1,1-Trichloroethane	250	--	1.8E+10	--	1.4E-08	--	4.4E+09	--	5.7E-08
NP-8	11/16/2017	37	30	75-35-4	1,1-Dichloroethene	109	--	9.7E+08	--	1.1E-07	--	2.3E+08	--	4.7E-07
NP-8	11/16/2017	37	30	56-23-5	Carbon Tetrachloride	33.8	1.4E+07	8.3E+08	2.4E-11	4.1E-08	3.2E+05	2.0E+08	1.1E-10	1.7E-07
NP-8	11/16/2017	37	30	75-71-8	Freon 12	184	--	1.6E+09	--	1.2E-07	--	3.7E+08	--	4.9E-07

Boring ID	Sample Date	Sample Depth (ft bgs)	RBC Depth Assigned	CAS Number	Analyte	Concentration in Soil Vapor ($\mu\text{g}/\text{m}^3$)	Future Commercial Worker				Future Resident			
							RBC _{SV-C} ($\mu\text{g}/\text{m}^3$)	RBC _{SV-NC} ($\mu\text{g}/\text{m}^3$)	Cancer Risk	Noncancer Hazard	RBC _{SV-C} ($\mu\text{g}/\text{m}^3$)	RBC _{SV-NC} ($\mu\text{g}/\text{m}^3$)	Cancer Risk	Noncancer Hazard
NP-8	11/16/2017	37	30	127-18-4	Tetrachloroethene (PCE)	3440	1.1E+08	8.2E+08	3.2E-10	4.2E-06	2.5E+06	2.0E+08	1.4E-09	1.8E-05
NP-8	11/16/2017	37	30	79-01-6	Trichloroethene (TCE)	18	1.2E+08	3.5E+07	1.5E-12	5.2E-07	1.9E+06	8.3E+06	9.5E-12	2.2E-06
NP-8	11/16/2017	37	30	71-55-6	1,1,1-Trichloroethane	242	--	1.8E+10	--	1.3E-08	--	4.4E+09	--	5.5E-08
NP-8	11/16/2017	37	30	75-35-4	1,1-Dichloroethene	103	--	9.7E+08	--	1.1E-07	--	2.3E+08	--	4.5E-07
NP-8	11/16/2017	37	30	56-23-5	Carbon Tetrachloride	31.8	1.4E+07	8.3E+08	2.3E-11	3.8E-08	3.2E+05	2.0E+08	1.0E-10	1.6E-07
NP-8	11/16/2017	37	30	75-71-8	Freon 12	181	--	1.6E+09	--	1.2E-07	--	3.7E+08	--	4.8E-07
NP-8	11/16/2017	37	30	127-18-4	Tetrachloroethene (PCE)	2900	1.1E+08	8.2E+08	2.7E-10	3.5E-06	2.5E+06	2.0E+08	1.2E-09	1.5E-05
NP-8	11/16/2017	37	30	79-01-6	Trichloroethene (TCE)	17	1.2E+08	3.5E+07	1.4E-12	4.9E-07	1.9E+06	8.3E+06	9.0E-12	2.1E-06
NP-8	11/16/2017	57	50	71-55-6	1,1,1-Trichloroethane	197	--	2.6E+10	--	7.7E-09	--	6.1E+09	--	3.2E-08
NP-8	11/16/2017	57	50	75-35-4	1,1-Dichloroethene	1210	--	1.3E+09	--	9.0E-07	--	3.2E+08	--	3.8E-06
NP-8	11/16/2017	57	50	56-23-5	Carbon Tetrachloride	8.6	1.9E+07	1.2E+09	4.5E-12	7.4E-09	4.4E+05	2.8E+08	1.9E-11	3.1E-08
NP-8	11/16/2017	57	50	67-66-3	Chloroform	7	2.6E+07	2.1E+09	2.7E-12	3.3E-09	6.0E+05	5.0E+08	1.2E-11	1.4E-08
NP-8	11/16/2017	57	50	76-13-1	Freon 113	105	--	1.3E+12	--	8.0E-11	--	3.1E+11	--	3.3E-10
NP-8	11/16/2017	57	50	75-71-8	Freon 12	363	--	2.2E+09	--	1.7E-07	--	5.2E+08	--	7.0E-07
NP-8	11/16/2017	57	50	127-18-4	Tetrachloroethene (PCE)	3370	1.5E+08	1.1E+09	2.2E-10	2.9E-06	3.4E+06	2.7E+08	9.8E-10	1.2E-05
NP-8	11/16/2017	57	50	79-01-6	Trichloroethene (TCE)	429	1.6E+08	4.8E+07	2.6E-11	8.9E-06	2.6E+06	1.1E+07	1.6E-10	3.7E-05
NP-8	11/16/2017	80	80	71-55-6	1,1,1-Trichloroethane	196	--	3.6E+10	--	5.4E-09	--	8.6E+09	--	2.3E-08
NP-8	11/16/2017	80	80	75-34-3	1,1-Dichloroethane	30.2	4.9E+08	2.2E+10	6.2E-13	1.3E-09	1.1E+07	5.3E+09	2.7E-12	5.7E-09
NP-8	11/16/2017	80	80	75-35-4	1,1-Dichloroethene	3840	--	1.9E+09	--	2.0E-06	--	4.5E+08	--	8.5E-06
NP-8	11/16/2017	80	80	56-23-5	Carbon Tetrachloride	27.2	2.7E+07	1.6E+09	9.9E-12	1.7E-08	6.3E+05	3.9E+08	4.3E-11	7.0E-08
NP-8	11/16/2017	80	80	67-66-3	Chloroform	28.2	3.7E+07	3.0E+09	7.6E-12	9.5E-09	8.5E+05	7.1E+08	3.3E-11	4.0E-08
NP-8	11/16/2017	80	80	156-59-2	cis-1,2-Dichloroethene	6	--	2.1E+08	--	2.8E-08	--	5.0E+07	--	1.2E-07
NP-8	11/16/2017	80	80	76-13-1	Freon 113	186	--	1.9E+12	--	9.9E-11	--	4.5E+11	--	4.2E-10
NP-8	11/16/2017	80	80	75-71-8	Freon 12	450	--	3.1E+09	--	1.5E-07	--	7.4E+08	--	6.1E-07
NP-8	11/16/2017	80	80	127-18-4	Tetrachloroethene (PCE)	5980	2.1E+08	1.6E+09	2.8E-10	3.7E-06	4.9E+06	3.9E+08	1.2E-09	1.5E-05
NP-8	11/16/2017	80	80	79-01-6	Trichloroethene (TCE)	2310	2.3E+08	6.8E+07	9.9E-11	3.4E-05	3.7E+06	1.6E+07	6.2E-10	1.4E-04

Notes:

" -- " not applicable

$\mu\text{g}/\text{m}^3$ - micrograms per cubic meter

" ft bgs " feet below ground surface

RBC_{SV-C} - risk-based concentration based on cancer effects; RBC_{SV-NC} based on noncancer effects

RBCs based on target cancer risk = 10^{-5} for workers and 10^{-6} for future residents, and a target noncancer hazard = 1 for both receptors

Prepared for

Northridge Properties, LLC
15505 Roscoe Boulevard
North Hills, California 91343

UPDATED GROUNDWATER IMPACTS ASSESSMENT

**777 North Front Street
Burbank, California**

Prepared by

Geosyntec 
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Project Number HR1305D

January 2018

UPDATED GROUNDWATER IMPACTS ASSESSMENT

777 North Front Street

Burbank, California

Prepared for

Northridge Properties, LLC

Geosyntec's services were performed and this report has been prepared in accordance with generally accepted professional standards of care applicable to the scope of services authorized by the client, and no other warranty is provided in connection therewith.

Consistent with applicable professional standards of care, our opinions and recommendations were based in large part on data furnished by others. Although we were not able to independently verify such data, we did evaluate it to determine whether it was consistent with other information that was developed in the course of our performance of this scope of services.



Jeffrey Thompson
Senior Scientist



Eric Smalstig
Senior Principal

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LIST OF ACRONYMS / ABBREVIATIONS

%	percent
1,1-DCE	1,1-Dichloroethylene
ac-ft	acre-feet
bgs	below ground surface
Caltrans	California Department of Transportation
COCs	constituents of concern
CrVI	Hexavalent Chromium
CSM	Conceptual Site Model
CWRD	California Water Resources Department
ft	feet
ft bgs	feet below ground surface
GAMA	Groundwater Ambient Monitoring and Assessment
GIA	Groundwater Impacts Assessment
MCL	Maximum Contaminant Level
mg/L	milligrams per liter
NCEI	National Center for Environmental Information
NOAA	National Oceanic and Atmospheric Administration
OTIE	Oneida Total Integrated Enterprises
PCB	Polychlorinated Biphenyls
PCE	Tetrachloroethylene
QCLCD	Quality Controlled Local Climatological Data
SFV	San Fernando Valley

SWRCB	State Water Resources Control Board
SVE	Soil Vapor Extraction
SVOC	Semi-Volatile Organic Compound
TCE	Trichloroethylene
TDS	Total Dissolved Solids
TPH	Total Petroleum Hydrocarbon
UGIA	Updated Groundwater Impacts Assessment (this document)
ULARA	Upper Los Angeles River Area
ULARAW	Upper Los Angeles River Area Watermaster
USEPA	United States Environmental Protection Agency
USGS	United States Geological Survey
VOC	Volatile Organic Compound

1. INTRODUCTION

1.1 Overview

Geosyntec Consultants, Inc. (Geosyntec) prepared an initial groundwater impacts assessment (GIA) for Northridge Properties, LLC in May 2017 to evaluate the potential for residual concentrations of chemicals detected in soil samples collected from the 8-acre proposed mixed use development property located at 777 North Front Street in Burbank, California (Site, shown in **Figure 1**) to impact groundwater. The May 2017 GIA was prepared at the request of the Los Angeles Regional Water Quality Control Board (LARWQCB). Following additional Site investigation, this Updated GIA (UGIA) has been created to include soil and soil vapor data collected at depths up to 88 ft bgs during a supplemental Site investigation in October 2017. The assessment methods used in this UGIA are consistent with the LARWQCB's *Interim Site Assessment & Cleanup Guidebook Table 3-8* [LARWQCB, 1996], and include the following criteria for consideration:

- depth of the soil contamination and groundwater;
- nature and extent of groundwater contamination;
- type of soil contaminants and levels;
- soil type;
- comparison of groundwater contaminant levels to maximum contaminant levels (MCLs);
- potential of the contaminants to migrate; and
- location of drinking water wells in the area.

This UGIA summarizes the current understanding of chemical impacts to groundwater beneath the Site. As the Site lies within the footprint of regional groundwater impacts associated with the San Fernando Valley (SFV) Superfund Site (see **Figures 2-4** based on OTIE [2016]), this UGIA also assesses the potential for residual Site soil impacts to act as a source to the existing regional groundwater impacts. The vadose zone fate and transport model SESOIL is used to assess if constituents of concern (COCs) at the Site have the potential to be an incremental additive source of impacts to the groundwater beneath the Site. The results of this UGIA demonstrate that COCs at the Site have the potential to reach groundwater due to migration of chemical impacts enhanced by the action of percolating precipitation.

1.2 Report Organization

The remainder of this UGIA is organized as follows:

- Section 2 – Conceptual Site Model, provides a description of the current Site condition and layout, along with the proposed development plan. The Conceptual Site Model then describes the framework for evaluating the Site environmental condition and its potential to impact underlying groundwater resources.
- Section 3 – Soil Data, describes the existing environmental data from soil sampling performed at the Site and how these data are used in the GIA.
- Section 4 – Groundwater Data, describes the existing environmental data from groundwater sampling performed in the vicinity of the Site and how these data are used in the GIA.
- Section 5 – Soil to Groundwater Pathway, describes the potential groundwater impacts scenarios evaluated as part of the GIA.
- Section 6 – Summary, provides a summary of the results from the GIA.

Tables, figures, and appendices are included following the text of this GIA.

2. CONCEPTUAL SITE MODEL

2.1 Property Description

The Site is located at 777 North Front Street in Burbank, California in a commercial/industrial area of Los Angeles County. The Site is bounded by the Interstate-5 freeway to the northeast, North Front Street to the southwest, West Burbank Boulevard to the northwest, and West Magnolia Boulevard to the southeast.

Background information regarding the Site presented in this section is summarized from the *Soil Gas Survey and Soil Investigation Eight-Acre Proposed Mixed Use Development* by Leighton [Leighton, 2016]. From the 1930s to 1961, the Site was the location of a water heater manufacturing company with operations that included galvanizing, vulcanizing, plating, welding, and metalwork [Leighton, 2016]. From 1961 to 1991, the Site was owned and operated by Zero Corporation, whose operations included aluminum case drawing and washing, aluminum alodining (a metal coating process involving chromium and aluminum), chromate deoxidizing, steel phosphate coating and chromium sealing [Leighton, 2016]. Zero Corporation ceased operations onsite in 1991. The buildings onsite were demolished in 2004, with the building concrete slabs and footings (i.e., surface cover comprised of several inches to approximately one foot thick concrete) left in place. The Site has been vacant since that time, having no significant uses since 1991. Northridge Properties, LLC purchased the Site in 2005, and is the current owner. While the Site has been leased out on occasion to horse circus show productions and has allowed limited use easements to Caltrans during Interstate-5 widening operations (and a portion of the Caltrans easement area will become permanent for the widening of Interstate-5), the Site has no current tenants.

2.2 Future Re-Development Plans

The proposed re-development of the Site is for a mixed-use residential and commercial complex. Proposed features include residential apartments, a hotel, limited ground floor commercial use, a park and bike hub with amphitheater style seating in the southernmost area of the site, and first floor as well as subterranean parking structures. These future development plans are depicted in **Figure 5**.

2.3 Previous Site Investigations

Several previous environmental investigations have been conducted at the Site, summarized below (based in part on Leighton, 2016):

- An initial Site investigation in 1991 by Targhee Inc. identified that soils in the areas of former clarifiers and former chemical/oils storage were affected by volatile organic compounds (VOCs) and total petroleum hydrocarbons (TPH).
- A Site investigation performed in 1992 by Hydro Geo Chem, Inc., also indicated that Site soil and soil vapor were affected by chlorinated VOCs. Additional investigations were performed to assess the extent of soil and soil vapor contamination. Remedial activities were performed by Hydro Geo Chem from 1998 to 2001, including a shallow soil vapor extraction (SVE) system and a deeper SVE system with air sparging wells.
- Soil sampling performed in 2005 by Golder & Associates in areas adjacent to potential polychlorinated biphenyl (PCB) sources did not indicate PCBs were a concern onsite.
- A soil and soil vapor sampling investigation by Ninyo & Moore in 2009 of the northeastern portion of the Site indicated soil concentrations of CrVI above regional background, and concentrations of VOCs in soil vapor above relevant human health screening criteria. The area of this investigation has since been deeded to CalTrans as a permanent easement in connection with an Interstate Highway No. 5 widening project.
- A soil investigation conducted by Geosyntec in 2012 found detectable levels of CrVI that were below the residential and commercial/industrial soil California Human Health Screening Levels (CHHSLs). The CrVI concentrations were above the USEPA residential soil regional screening level (RSL) but below the commercial/industrial soil RSL. Select soil samples were additionally analyzed for metals. The vertical distribution of CrVI in soil was inconsistent with historical releases of CrVI that would have affected groundwater and did not suggest that historical Site activities had contributed to the groundwater basin's regional CrVI contamination. In addition, sampling near boring SS-4 (**Figure 4**) was performed in 2016 with no detectable concentration of CrVI in shallow soils identified [Geosyntec, 2016].
- An investigation for a proposed multi-family residential development and hotel at the Site was completed in 2016 by Geocon West. This investigation included soil dry bulk density, soil moisture, and porosity data up to 61.5 feet below ground surface (ft bgs).
- A Site Investigation was conducted by Leighton [Leighton, 2016], a total of 36 soil borings were advanced and sampled at multiple depths, and soil samples were analyzed for VOCs, TPH, and metals. Soil samples with total chromium results

greater than 50 milligrams per kilogram (mg/kg) were subsequently analyzed for CrVI. Soil vapor probes were installed at the bottom of all borings, at various depths. Soil vapor samples were analyzed for VOCs.

- Geosyntec performed a supplemental soil and soil vapor investigation in October of 2017 to characterize soil between 60 and 88 ft bgs and investigate soil gas between 30 and 88 ft bgs. Eight soil vapor probes were installed at the Site and soil samples were collected during installation of the soil vapor probes. Soil vapor samples were collected in November 2017. This data is attached in **Appendix A**.
- A human health risk assessment (HHRA) to assess potential risks of exposure to soil and soil vapor impacts at the Site was prepared by Geosyntec [2017]. In parallel with this UGIA, Geosyntec is preparing an HHRA addendum to account for the additional Site data collected in October 2017.

Other environmental investigations have been performed near the Site, primarily related to regional groundwater issues of elevated VOCs and hexavalent chromium (CrVI) in the area. Such reports reviewed in the preparation of this UGIA include:

- The Final Remedial Investigation Report of the Glendale chromium operable unit by Oneida Total Integrated Enterprises [OTIE, 2016] was used to gather information about groundwater impacts in the vicinity of the Site.
- The Dynamic Soil Investigation at the former Librascope-Glendale Facility was used to gather information about soil fractional organic carbon nearby the Site [Tetra Tech, 2010].

2.4 Geological Description

2.4.1 Regional Geology

The Site is located in the San Fernando Valley (SFV), a late Tertiary-Quaternary basin bounded by the Santa Susana Mountains to the northwest, the San Gabriel and Verdugo Mountains to the northeast, the San Rafael Hills to the east, the Santa Monica Mountains to the south, and the Simi Hills to the west [ULARAW, 2016; Tinsley, 2001]. The SFV is part of the broader Transverse Ranges physiographic province [USGS, 1996]. The Transverse Ranges province is characterized by fault-created valleys filled with marine to terrestrial sediments of Pleistocene through Holocene age, which are underlain by sedimentary bedrock and/or crystalline basement rock [USGS, 2012; ULARAW, 2015].

The water-bearing alluvial deposits in SFV consist of the Holocene and Pleistocene age alluvium underlain by the lower Pleistocene Saugus Formation, [California Department of Water Resources (CDWR), 2004]. The eastern part of the SFV Holocene age alluvium consists of about 20% clay mixed with primarily coarse-grained unsorted gravel and sand. The Pleistocene age alluvium consists of mostly highly permeable, unconsolidated coarse-grained alluvial fan interspersed with lower permeability paleosols. The Saugus Formation consists of continental and shallow marine deposits with lower permeability than that of the overlying alluvium [ULARAW, 2016]. In the eastern SFV, the Saugus Formation lies above the crystalline bedrock, where it reaches a maximum thickness of approximately 1,000 feet (ft).

2.4.2 Site-Specific Geology

The geology of the Site has been described several times based on subsurface investigations conducted since the early 1990s [Targhee, 1991; Hydro Geo Chem, 1992; Hydro Geo Chem, 1999; Ninyo & Moore, 2009; Geosyntec 2012; Geocon, 2016; Leighton 2016; OTIE, 2016; and Geosyntec, 2017]. Each study found that Quaternary alluvial soils extended to the maximum depth of exploration. Soil borings on the Site indicate that Quaternary alluvial soils extend to at least 90 ft depth [Geosyntec, 2017], while nearby borings drilled for the installation of groundwater monitoring wells PWA-2 and PWA-3 indicate that, locally, alluvial soils extend to a least 163 ft [OTIE, 2016]. The locations of Geosyntec borings NP-1 through NP-8 as well as monitoring wells PWA-2 and PWA-3 are shown in **Figure 6**.

One study [Geocon, 2016] describes a continuous layer of artificial fill across the entirety of the site, from surface or below the concrete slab, to as deep as 14 ft below ground surface. The other Site studies reviewed have not identified a continuous layer of artificial fill at the Site, and at least one [Ninyo & Moore, 2009] describes the upper-most soils as alluvium. Field observations by Geosyntec staff [Geosyntec, 2012; 2016; 2017] suggest that, outside of uncommon instances where concrete clasts are observed in soils beneath the slab, shallow soils at the Site are likely natural alluvial soils.

Soils at the Site can be grouped into three general categories. Silty sands (SM) and sandy silts (ML) are most common, and are typically brown, moist, and have poorly graded fine sand and a minor gravel component (5-15%). Well graded sands (SW) with gravel are also observed, especially in the northwestern portion of the Site. These soils are typically pale grey, slightly moist or dry, and have notably angular sand grains and gravel clasts suggesting very little weathering and transport prior to deposition. Silts (ML) and clays (CL) are also present, though uncommon and discontinuously distributed across the site.

These soils are typically brown, moist to very moist, medium plastic, and contain little sand and only trace gravel, if any.

The stratigraphy of the Site may be defined in terms of two distinct zones: a continuous sequence of sandy silts and silty sands in the upper-most 12 to 30 feet, and a sequence of well graded sands to silty sands containing thin discontinuous lenses of fine-grained material below. The lower sequence is characteristic of typical alluvial fan deposits, with coarse-grained, angular, gravelly well graded sands, silty sands with gravel, and scattered sheets or lenses of finer grained material. The upper sequence records recent development of the eastern SFV, with semi-continuous layers of sandy silt and silty sand typical of basin deposition. Generalized Site stratigraphy, based on the observations of Geosyntec [2012; 2016; 2017] is depicted in cross section in **Figure 7**.

2.5 Hydrogeological Description

2.5.1 Regional Hydrogeology

The Site is located in the Upper Los Angeles River Area (ULARA) in the eastern part of SFV Basin of the South Coast Hydrologic Region. The SFV receives an average annual precipitation of about 17 inches and much of this surface water is drained by the Los Angeles River and its tributaries [CWDR, 2004]. Groundwater flows from the edges to the central portion of the SFV Basin, into the eastern portion of the basin, beneath the Los Angeles River Narrows following the Los Angeles River near Glendale, and into the Coastal Plain of Los Angeles Basin [CDWR, 2004]. The groundwater flow velocity is about 5 ft per year in the western part of the basin and reaches as much as 1,300 ft per year beneath the Los Angeles River Narrows [CWDR, 2004].

Groundwater in the eastern part of the SFV basin is primarily calcium bicarbonate in nature [CDWR, 2004]. The SFV Basin has an estimated storage capacity of 3,200,000 acre-feet (ac-ft) of groundwater, with a maximum thickness of water-bearing alluvial deposits in the eastern portion of the SFV Basin of about 200 to 300 ft [ULARAW, 1999; ULARAW, 2016]. Groundwater in this region is mainly unconfined and, since water adjudication in the 1980s, levels have remained reasonably stable, although up to 80 ft variations in water level in the eastern portion has occurred historically [CDWR, 2004].

2.5.2 Site-Specific Hydrogeology

In 1991, as a part of a soil gas survey performed by Leighton on the adjacent Hyrail property (a linear rail property extending along the western boundary of the Site), two soil borings were drilled to groundwater at approximately 110 ft below ground surface (bgs) [Leighton, 2016]. Groundwater elevations from January 31, 2013 were reported for two wells adjacent to the Site, PWA-2 and PWA-3, as 123.34 and 105.84 ft bgs, respectively [OTIE, 2016].

Site-specific aquifer properties have not been identified. Based on the Site-specific geology, the predominant soil type is sand, with some intervals of finer (silt) or coarser (gravel) materials mixed with sand (see Section 2.4.2 above).

2.5.3 Water Usage

The South Coast Hydrologic Region meets approximately 23% of its agricultural and municipal water demands with groundwater [CDWR, 2004]. The three parties with pumping rights in the SFV Groundwater Basin, the City of Los Angeles, Burbank, and Glendale, get a significant portion of their municipal water supply from the basin [ULARAW, 2016].

Based on the California State Water Resources Control Board's (SWRCB's) Groundwater Ambient Monitoring and Assessment (GAMA) online database [SWRCB, 2017], there are eight supply wells within one mile of the Site. Six of these are Department of Water Resources wells, and only limited information about these wells could be identified. The other wells are City of Burbank Water Department wells, and the screen intervals for these wells was identified [ERM, 2011]. These supply wells are shallowly screened (from approximately 75 to 330 feet below ground surface), indicating that shallow groundwater has been used for water supply. These wells are summarized in **Table 1** and shown in **Figure 8**.

3. SOIL AND SOIL VAPOR DATA

Soil and soil vapor data have been collected at the Site between 1991-2017. However, as described in more detail the May 2017 GIA [Geosyntec, 2017], much of this dataset is old or outside of the redevelopment footprint of the Site, and thus is similarly not applicable for use in this UGIA. The dataset collected by Geocon West [2016] was used to characterize site-specific model parameters such as porosity, bulk density, and soil moisture. Soil and soil vapor data collected at the Site by Leighton [2016] and Geosyntec [2012 and 2017] were considered appropriate for use as the base dataset for the concentrations of constituents of interest in the UGIA. These soil and soil vapor data include:

- Geosyntec [2012] soil data include 21 soil samples from six borings down to a depth of 10 ft bgs that were analysed for metals;
- Leighton [2016] soil data include 187 soil samples from thirty seven borings down to a depth of 30.5 ft bgs that were analyzed for metals, VOCs, total petroleum hydrocarbons-carbon chain, gasoline range organics, and fuel oxygenates. Selected soil samples were also analyzed for hexavalent chromium;
- Geosyntec [2017] soil vapor data include 30 soil vapor samples from eight probes down to a depth 88 ft bgs that were analyzed for VOCs.

Table 2 summarizes relevant information about selected constituents, please see discussion in Section 4 for further information about the selection of constituents in the UGIA.

4. GROUNDWATER DATA

The SFV Basin is affected by historical industrial operations contaminating the region's groundwater. Groundwater monitoring conducted from 1981 to 1987 found contamination in over 50% of the water supply wells in the eastern SFV Basin [OTIE, 2016]. Samples from public water supply wells from 1994 to 2000 found that 42% of sampled wells contained one or more constituents exceeding the corresponding maximum contaminant level (MCL) [CWDR, 2004]. Of the exceedances reported, 38% and 31% were due to nitrates and VOCs/SVOCs (particularly trichloroethylene [TCE] and tetrachloroethylene [PCE]), respectively [CWDR, 2004]. Other contaminants of concern include pesticides, heavy metals (e.g., CrVI), petroleum compounds, chloroform, and sulfate [CWDR, 2004]. Total dissolved solids (TDS) concentrations from 125 public supply wells ranged from 176 to 1,160 mg/L, with an average of 499 mg/L [CWDR, 2004].

While historical environmental reports documenting Site groundwater conditions are not available on Geotracker, SFV Superfund Site-wide monitoring program reports available from the USEPA from approximately 1995 through 2007 depict ten monitoring wells located on or near the Site [e.g., CH2M HILL, Inc., 1996; 2009]. However, tabulated data for these wells have not been located, and it is our understanding that historical monitoring wells at the Site have been previously abandoned. Depictions of TCE within groundwater generally show that these constituents are present beneath and in the vicinity of the Site at concentrations at or above the regional groundwater impacts in this area, while depictions of PCE generally show PCE was present beneath and in the vicinity of the Site at non-detect levels and at concentrations comparable to regional background, depending on the time period. The 2007 monitoring data report [CH2M HILL, 2009] is the most-current report containing references to these wells available online at the SFV Superfund Site webpage¹, and the groundwater conditions in 2007 may not be representative of current Site conditions.

Groundwater near the Site is currently monitored as part of the SFV Superfund Site at wells PWA-2 and PWA-3. As described in Section 2.5.2, water levels in PWA-2 are higher than PWA-3, but the regional direction of groundwater flow is poorly characterized in the immediate vicinity of the Site (OTIE, 2016, Figure 4-1). It appears reasonable to assume that these wells are primarily cross-gradient of a regional

¹[https://yosemite.epa.gov/r9/sfund/r9sfdocw.nsf/vwsoalphabetic/San+Fernando+Valley+\(All+Areas\)?OpenDocument](https://yosemite.epa.gov/r9/sfund/r9sfdocw.nsf/vwsoalphabetic/San+Fernando+Valley+(All+Areas)?OpenDocument)

southwesterly flow, however pumping of the aquifer in this area as part of the cleanup activities may alter the local gradient. Groundwater data from these wells in October 2012 and January 2013 are summarized in OTIE [2016] and presented here as **Table 3**. There are several detections of VOCs and metals within the groundwater near the Site. The VOCs in PWA-2 and PWA-3 which exceed their respective California MCL are comprised of the following chlorinated organic compounds:

- 1,1,2,2-Tetrachloroethane;
- 1,1-Dichloroethylene (1,1-DCE);
- 1,2-Dichloroethane;
- PCE;
- TCE;
- trans-1,3-Dichloropropene; and
- Vinyl Chloride (VC).

The non-chlorinated VOC benzene also exceeds its California MCL in wells PWA-2 and PWA-3. In addition, total chromium was identified above its California MCL.

The Site lies above the lateral edges of previously-identified plumes of chlorinated solvents (primarily TCE and PCE) which are being addressed separately as part of the SFV Superfund Site (e.g., OTIE, 2016, Figures 5-5 and 5-6). As part of the SFV Superfund Site, there is a small, isolated zone of total chromium impacts mapped beneath the Site near PWA-2 [OTIE, 2016, Figure 5-3]. The source of these chromium impacts is unclear. While the groundwater data near the Site indicate that there are regional impacts which have migrated beneath the Site, the uncertainty and potential pumping-induced variability in the groundwater flow direction through time suggests that the current groundwater data alone are insufficient to determine whether the Site is a potential additive source contributing to the regional groundwater issues. For this UGIA, the Site COCs include VOCs that were detected in soil and soil vapor at the Site and were present in groundwater at concentrations exceeding MCLs.

5. SOIL TO GROUNDWATER PATHWAY

5.1 Fate and Transport Processes

Chemical impacts have the potential to migrate between different media (i.e., soil, soil vapor, and groundwater) due to naturally occurring transport processes. Chemical impacts to vadose zone soils can exist in a variety of states, including pure phase, adsorbed to soil particles, in soil pore air (i.e., soil gas), or dissolved in soil moisture (i.e., pore water). In general, the primary transport mechanisms for soil impacts are leaching to infiltrating surface water (downward transport) or volatilization to soil gas (upward transport), and to a lesser extent, diffusion of soil gas (upward and/or downward transport). The HHRA for the Site [Geosyntec, 2017] describes many of these transport processes. This GIA describes and models the soil leaching/infiltration pathway for chemical impacts to potentially travel from a residual source in soil into groundwater.

Surface water infiltration can be conceptualized as a balance between precipitation and the combined effects of surface runoff, evaporation and transpiration (together, evapotranspiration), capillary rise from groundwater, soil moisture retention, and infiltration. In general, precipitation which does not runoff, does not evaporate, and is not transpired enters the vadose zone and travels downward through the pore space of the soil under the influence of gravity. Dependent on the relative moisture contained within the vadose zone, a portion of the infiltrating precipitation may be retained in soil moisture (wet seasons) or a portion of water retained in soil moisture may join the infiltrating precipitation (dry seasons).

In regions of residual chemical impacts (i.e., the source zone), the infiltrating surface water can come in contact with soil moisture, soil gas, or soil with sorbed chemical impacts. When this occurs, a portion of these chemical impacts may be dissolved into the infiltrating water and be transported downward through the soil column. The chemical properties and the concentration of the specific chemical impacts will dictate how much of those impacts enter the infiltrating surface water. In general, compounds at higher concentrations, with higher water solubilities, and with lower absorption coefficients will more readily be dissolved into the infiltrating water.

As the infiltration water proceeds downward out of the contaminant source zone through less-impacted soil, numerous physical and chemical processes may influence the fate of the chemical impacts. Physical processes generally involve chemical impacts adsorbing to soil particulates or organic matter within the soil, partitioning into soil moisture, or volatilizing to soil gas. Chemical processes generally involve the degradation or immobilization of chemical impacts, and may include biologically-enhanced degradation,

cation exchange for ionic compounds, metal complexation/chelation. Depending on the nature of the chemical impacts, the depth to groundwater, soil properties, and the amount of infiltrating precipitation, contaminants of concern may reach groundwater or the chemical impacts may degrade or become immobilized before the infiltration reaches groundwater. As there are numerous fate and transport processes active in the vadose zone, the use of a fate and transport model is a common and widely accepted methodology for estimating the potential for soil impacts to act as a residual source of groundwater impacts.

5.2 Fate and Transport Model

To simulate the possible fate and transport of contaminants of concern in Section 4 through the vadose zone and to assess the potential impacts – if any – to groundwater, Geosyntec used the SESOIL model (with the SEVIEW 7.1 interface). SESOIL is a one-dimensional vertical transport model for the unsaturated (vadose) zone that simulates contaminant transport and fate including the processes of diffusion, adsorption, biodegradation, and hydrolysis. SESOIL can simulate seasonal climatic variation with the input and incorporation of climate data by monthly averages. SESOIL was first developed for the USEPA's Office of Water and the Office of Toxic Substances in 1981. SEVIEW 7.1.18 is a proprietary version of the SESOIL model developed and maintained by Environmental Software Consultants Inc, LLC (2016).

5.2.1 Model Setup and Input

As applied in this GIA, SESOIL requires the definition of five different sets of input parameters related to:

- climate;
- model geometry;
- soil properties;
- chemical properties; and
- source configuration and concentration.

These input parameters are described in more detail below and are presented in **Appendix C**.

5.2.1.1 Climate Parameters

SEVIEW contains a database of climate model information compiled from observed data. Based on the available database entries, the location nearest to the Site, the Los Angeles

County Civic Center database entry, was used as the basis for the climate data. These climate data include the following monthly average data:

- temperature;
- cloud cover;
- relative humidity;
- short wave albedo;
- precipitation;
- storm length (duration);
- number of storms; and
- rainy season (duration).

To model different surface completions, the monthly precipitation was scaled by a fixed percentage to represent the restriction of rainwater infiltration by the presence of a semipervious surface cover. The different modeling scenarios are described in more detail in Section 5.2.2. These modified precipitation values were rounded to the nearest 0.1 cm (1 mm), with a minimum monthly precipitation of 0.1 cm.²

5.2.1.2 Model Geometry

SESOIL allows the vadose zone to be modeled using up to four layers (each with up to ten sublayers) in the model for a total of forty model sublayers. Soil properties are either defined model-wide or over specific model layers, depending on the specific property.

To approximate the subsurface beneath the Site, the four model layers were assigned properties to represent either shallow alluvium³ (Layer 1) or alluvium (Layers 2, 3, and 4). Consistent with the May 2017 GIA, the shallow alluvium material was assumed to be 14 feet thick (428 cm). Groundwater was conservatively assumed to begin at approximately 100 feet below ground surface. Thus, as the base of the model represents the first occurrence of groundwater, the alluvium was assigned a thickness of 86 feet (2,619 cm). Each layer was assigned the maximum of ten sublayers, resulting in a forty-layer-thick model domain. See **Figure 9** for a schematic view of the model geometry.

² In SESOIL, a precipitation rate of 0 cm/month effectively causes the model to skip that month (i.e., no transport processes operate). To avoid completely neglecting transport in the summer months under some scenarios, the minimum precipitation rate of 0.1 cm/month was used.

³ Described in the May 2017 GIA as “fill” based on the Geocon [2016] report. As the difference between fill and shallow alluvium is an interpretive difference in material origin, not material properties, the properties from the Geocon [2016] report labeled as fill were assumed to apply to the shallow alluvium.

5.2.1.3 Soil Properties

SESOIL requires the following soil parameters (applied on a layer-by-layer basis), except where noted:

- intrinsic permeability;
- organic carbon content;
- cation exchange capacity;
- Freundlich exponent;
- soil pH;
- bulk density (model average);
- effective porosity (model average); and
- soil pore disconnectedness (model average).

As described in Section 2.4, limited hydrogeological soil data have been collected at the Site. Based on the Geocon [2016] study, the measured values of bulk density and porosity values for the two alluvial layers were used to calculate a thickness-weighted, model-wide average bulk density and effective porosity for the SESOIL model. These values are:

- Bulk density: 1.86 grams per cubic centimeter (g/cm³);⁴ and
- Effective porosity: 0.229.⁵

Other soil properties were determined based on literature values, model default suggestions, and professional judgment:

- The soil was assumed to have a neutral pH of 7.0;
- The default Freundlich exponent of 1 was used; and
- The value of organic carbon content was chosen to be 0.58%. This value is the average of available data from a nearby site that had organic carbon content between 0.36% and 0.8% [Tetra Tech, 2010].⁶

⁴ This value was determined using: $\frac{1}{100 \text{ ft}} (14 \text{ ft} * 110 \text{ lb/ft}^3 + 86 \text{ ft} * 117 \text{ lb/ft}^3)$.

⁵ This value was determined using: $\frac{1}{100 \text{ ft}} (14 \text{ ft} * 0.333 + 86 \text{ ft} * 0.294)$.

⁶ This value was determined using: $\frac{1}{2} (0.36\% + 0.8\%)$.

Lastly, the intrinsic permeability and soil pore disconnectedness values were determined through an iterative calibration process against the SESOIL climate model for current site conditions. In SESOIL, soil moisture content (i.e., water-filled porosity) is a model-determined value that is sensitive to both intrinsic permeability and soil pore disconnectedness. The thickness-weighted average water filled porosity value is 16.8%.⁷ The model calibration found that an intrinsic permeability of $1\text{e-}10\text{ cm}^2$ and a soil disconnectness value of 6.50. These values are consistent with literature values for silty sands [e.g., Freeze and Cherry, 1979; Bonazountas, M. and J. Wagner, 1984].

5.2.1.4 Chemical Properties

SEVIEW includes an extensive database of chemical properties for a wide variety of constituents. For the nine constituents identified in groundwater above MCLs (i.e., constituents of interest), the database values included in SEVIEW for relevant chemical properties were used as input values for SESOIL.

Note that for total chromium, SEVIEW's chemical database included entries for trivalent chromium (CrIII) and CrVI. To assess total chromium, the SESOIL model was run twice using parameters equivalent to CrIII and CrVI to provide an approximate range in expected results for an aggregate total chromium impact. In addition, the effect of cation exchange was not included for CrIII or CrVI in this analysis as the cation exchange capacity of soil is a poorly-constrained parameter for the Site. This is a conservative assumption as cation exchange is expected to immobilize some portion of the potential mobile chromium mass.

In addition, the constituents were assumed to not biodegrade in either the solid or liquid phase. This assumption is conservative, as many of the VOCs identified in soil and groundwater are known to biodegrade over wide ranges of geochemical conditions.

5.2.1.5 Source Configuration and Concentrations

For the SESOIL models, contaminant mass in the source can be applied as either an initial mass load, an annual load, or both. As there are no ongoing Site activities, and potential future activities are anticipated to be residential in nature, the initial contaminant concentrations were applied as a finite mass at the start of the model with no long-term sources of additional contaminant in the model. As described in Section 4, seven VOCs and total chromium were selected as COCs based on their detection above MCLs in

⁷ This value was determined using: $\frac{1}{100\text{ ft}}(14\text{ ft} * 0.224 + 86\text{ ft} * 0.159)$.

nearby monitoring wells. However, of these constituents, 1,1,2,2-Tetrachloroethane, 1,2-Dichloroethane, and trans-1,3-Dichloropropene have not been detected in soil or soil vapor at the Site, and thus are not considered further as COCs for potential impacts to groundwater at the Site. In addition, Vinyl Chloride had only a single estimated (J-flagged) value in soil vapor just above the maximum detection limit, and thus was similarly not considered further as a COC for potential impacts to groundwater. Thus, the remaining COCs considered in the UGIA were:

- Benzene;
- PCE;
- TCE;
- 1,1-DCE; and
- Total chromium.

For the other compounds, the available Site data was grouped by depth and representative concentrations of constituents were calculated as 95% upper confidence limits (UCLs)⁸ of the mean. Based on soil properties, data density, and professional judgement, the data were grouped into three depth intervals: 0-14 ft bgs, 14-45.5 ft bgs, and 45.5-100 ft bgs. Data within the uppermost depth interval consists of soil data. In the two deeper intervals, both soil and soil vapor data were collected by Geosyntec [2017].

For VOCs, under that standard assumption that aged contaminants in the subsurface are in chemical equilibrium between soil (sorbed), soil gas, and soil moisture phases, soil vapor data can be converted into an equivalent soil concentration using the following equation:

$$C_{soil} = \frac{\phi_{air}}{\rho} C_{vapor} + \frac{\phi_{water}}{\rho} \frac{C_{vapor}}{H'} + k_{OC} f_{OC} \frac{C_{vapor}}{H'}$$

Where C is the contaminant concentration measured a given phase, ϕ_{air} is the air-filled porosity, ϕ_{water} is the water-filled porosity, ρ is the soil density, H' is the dimensionless Henry's Law constant for the contaminant, k_{OC} is the organic carbon/water partitioning coefficient for the contaminant, and f_{OC} is the fraction of organic carbon within the soil.

Upon review of the equivalent soil concentrations calculated from soil vapor and collocated soil samples, the equivalent soil concentrations do not correlate well to the soil

⁸ UCLs were calculated with ProUCL version 5.0, and are provided in **Appendix B**.

concentrations from laboratory data. In many cases the equivalent soil concentrations (i.e., calculated) were several orders of magnitude higher than the collocated soil concentrations. Thus, to be conservative, the soil vapor-derived equivalent soil concentrations were used in the SESOIL modeling in the alluvium layers (i.e., at depths greater than 14 ft bgs) rather than the measured soil concentrations for VOCs. As only soil data exists within the shallow soil layers (i.e., at depths shallower than 14 ft bgs), the soil data was used in the SESOIL modeling.

For constituents with both detections and non-detects, the ProUCL method for calculating the UCL of the mean for left-censored data sets containing non-detects was used. In the SESOIL models presented in this UGIA, the concentration of the initial contaminant source for a given depth interval was set equal to the 95% UCL of data⁹ at all sublayers associated with that interval. For constituents with only non-detect values in a given depth interval, the constituent was assumed to be absent in that depth interval. Specific to total chromium, which had soil data collected to a depth of 30.5 ft bgs and is not a volatile compound, the 95 UCL for total chromium in soil deeper than 14 ft bgs was applied to the alluvium layer to a depth of 45.5 ft bgs. These input concentrations are summarized in **Table 4**.

For mass-balance purposes, the area of the soil column was assumed to be one square-meter, meaning that the model results should be considered to be per square-meter of impacted soil.

5.2.2 Model Scenarios

To model current and future Site conditions, three different model scenarios were created to encompass different Site use (and thus surface) conditions. These scenarios were:

1. Current Site conditions
2. Future Site conditions (residential structures with concrete foundation)
3. Future Site conditions (potential exposed soil)

⁹ Note that for the alluvium layers, the 95% UCL for soil vapor data was calculated for a given constituent and then converted into an equivalent soil concentration. As the soil moisture content varied slightly between modeling scenarios, the conversion to the equivalent soil concentration is scenario-specific in order to ensure that the same amount of contaminant mass is applied to each scenario.

The assumptions of each of these scenarios is described below.

5.2.2.1 Scenario 1 – Current Site Conditions (Aged Concrete)

For this scenario, the Site was assumed to be covered in the aged concrete. However, as described above, the SESOIL model geometry does not specifically include a surface cover. To approximate an aged concrete, the California SWRCB guidance for runoff coefficients¹⁰ was consulted to select a representative runoff coefficient to modify the amount of precipitation which could infiltrate into the subsurface. Based on SWRCB [2011], the expected range of runoff coefficients for concrete ranges from 0.85 to 0.95. To represent an aged concrete, the low-end value of 0.85 was selected. For the Scenario 1 models, the average monthly precipitation was reduced by 85%, to a minimum monthly precipitation of 0.1 cm (1 mm) per month.

In addition, evapotranspiration through the concrete surface was assumed to be negligible. To approximate this condition, the evapotranspiration was fixed to the smallest non-zero amount (0.0001 cm/day) allowed in SESOIL.¹¹ This assumption is conservative as it minimizes the reduction of infiltration due to evapotranspiration.

5.2.2.2 Scenario 2 – Future Conditions (Concrete/Multi-Story Structure)

For this scenario, the Site was assumed to be covered in the new concrete. Based on the SWRCB [2011] guidance, a fresh concrete covering was assumed to have the upper-end runoff coefficient of 0.95. For the Scenario 2 models, the average monthly precipitation was reduced by 95%, to a minimum monthly precipitation of 0.1 cm (1 mm) per month. This is also a conservative assumption, given that the re-development will consist of multiple concrete layers (i.e., stories) and limited or no landscaped areas that would allow localized infiltration, which may further reduce the potential for precipitation infiltrating underlying Site soils.

¹⁰ The runoff coefficient is a scaling parameter between 0.0 and 1.0 which describes the fraction of precipitation which is expected to run off, and thus not infiltrate into the subsurface. A runoff coefficient of 0.0 means all precipitation will infiltrate a surface, while a runoff coefficient of 1.0 means that no precipitation will infiltrate a surface.

¹¹ In SESOIL, an evapotranspiration rate of 0.0 cm/day is shorthand for using the climate model within SESOIL to calculate an evapotranspiration rate, rather than using a user-prescribed rate. Assuming an evapotranspiration rate of 0.0001 cm/day is a practical method for approximating zero evapotranspiration.

For Scenario 2, evapotranspiration was fixed to a value of 0.0001 cm/day as was done in the Scenario 1 models.

5.2.2.3 Scenario 3 – Future Conditions (Soil)

Lastly, a scenario was developed for the potential future condition of the concrete covering at the Site being removed and exposed soil left as the surface conditions. While not the expected Site usage, this scenario is a conservative approximation of conditions where precipitation is allowed to infiltrate without runoff. For the Scenario 3 models, the average monthly precipitation values were applied in full.

In contrast to the concrete scenarios, the hypothetical exposed soil would be subject to evapotranspiration processes. The SEVIEW climate model was used to calculate the monthly evapotranspiration rate.

5.3 SESOIL Model Results

Based on the above constituents of interest and the three scenarios, a total of fifteen unique SESOIL models were run as part of this GIA. The results of the SESOIL modeling are summarized in **Tables 5 – 7**. An example model output file is shown as **Figure 10** with all model output files from SEVIEW are compiled in **Appendix D**. As the goal of this modeling effort is to assess the potential for soil impacts by COCs to act as a residual source of groundwater contamination, four model outputs were used as a basis of comparison:

- Time for soil impacts to reach groundwater;
- Fate of the majority of contaminant mass;
- Percentage of contaminant mass which enters groundwater; and
- Maximum leachate concentration.

5.3.1 Scenario 1 – Current Site Conditions (Aged Concrete)

The model results for the current Site conditions are summarized in **Table 5**. As the VOC mass was distributed throughout the model (including in the lowest model sublayer, immediately above groundwater), the theoretical travel times for these constituents to first reach groundwater are brief. The VOC mass is generally volatilized by the end the model, with specific COCs described below:

- Benzene – 7% of the benzene mass was modeled to reach groundwater, with a maximum leachate concentration of 0.1 µg/L;

- PCE – 30% of the PCE mass was modeled to reach groundwater, with a maximum leachate concentration of 59.29 mg/L;
- TCE – 11% of the TCE mas was modeled to reach groundwater, with a maximum leachate concentration of 77.6 µg/L; and
- 1,1-DCE – 26% of the 1,1-DCE mass was modeled to reach groundwater, with a maximum leachate concentration of 5.4 µg/L.

In contrast, the chromium mass is generally adsorbed to soil by the end of the model. Using properties for both chromium III or chromium VI, essentially no contaminant mass was found to reach groundwater (less than 0.01%), even with no biodegradation or cation exchange processes active.

5.3.2 Scenario 2 – Future Conditions (Concrete)

The model results for the expected future Site conditions are summarized in **Table 6**. Under the model assumption of fresh concrete, the amount of contaminant mass modeled to reach groundwater is reduced, and the travel time of contaminants to reach groundwater was increased. As with the Scenario 1 results, the majority of VOC mass is expected to be volatilized and the majority of chromium mass is expected to be adsorbed onto soil. The COC-specific results are:

- Chromium (III or VI) – essentially no contaminant mass was found to reach groundwater;
- Benzene – 2% of the benzene mass was modeled to reach groundwater, with a maximum leachate concentration of 0.1 µg/L;
- PCE – 9% of the PCE mass was modeled to reach groundwater, with a maximum leachate concentration of 58.18 mg/L;
- TCE – 3% of the TCE mas was modeled to reach groundwater, with a maximum leachate concentration of 76.5 µg/L; and
- 1,1-DCE – 6% of the 1,1-DCE mass was modeled to reach groundwater, with a maximum leachate concentration of 3.9 µg/L.

5.3.3 Scenario 3 – Future Conditions (Soil)

Under the model assumption of exposed soil, the amount of contaminant mass modeled to reach groundwater is reduced compared to Scenario 1, although the maximum leachate concentrations are somewhat higher. See **Table 7** for a summary of Scenario 3 results. As with the Scenario 1 results, the majority of VOC mass is expected to be volatilized and the majority of chromium mass is expected to be adsorbed onto soil. The COC-specific results are:

- Chromium (III or VI) – essentially no contaminant mass was found to reach groundwater;
- Benzene – 6% of the benzene mass was modeled to reach groundwater, with a maximum leachate concentration of 0.2 µg/L;
- PCE – 8% of the PCE mass was modeled to reach groundwater, with a maximum leachate concentration of 65.44 mg/L;
- TCE – 4% of the TCE mas was modeled to reach groundwater, with a maximum leachate concentration of 109.8 µg/L; and
- 1,1-DCE – 5% of the 1,1-DCE mass was modeled to reach groundwater, with a maximum leachate concentration of 4.8 µg/L.

5.4 Focused Sensitivity Analysis

5.4.1 Analysis Approach

A sensitivity analysis (SA) is a method to determine the influence that key variables, parameters, or other inputs have on model output. A detailed SA was conducted previously in the May 2017 GIA. For this UGIA, a focused SA was conducted focusing on the model intrinsic permeability and soil disconnectedness values, which were found through calibration to soil moisture content as described in Section 5.2.1.3. The SESOIL model outputs for these SA models are included as **Appendix E**.

For this focused SA, the current conditions (Scenario 1) model for PCE was selected as the base model. This model is preferable because:

- By selecting a current conditions model, a comparison to observed soil moisture can be made to determine how changes in the selected material property may influence the calibration of the model's hydraulic conditions to on-Site observations.
- Of the volatile COCs, PCE has the smallest Henry's law constant (i.e., is the least likely to volatilize) and thus is expected to provide a conservative estimate of how changes in the soil properties of the SESOIL model may influence the downward transport of contaminant mass to groundwater.

Biodegradation rates were not used in the fate and transport models for any COCs. While the presence of TCE and 1,1-DCE at the Site suggest that there is some biodegradation of PCE and TCE, the fact that soil vapor concentrations in 2017 are similar to pre-remediation soil vapor concentrations from the early 1990s indicates that the rate of biodegradation is slow. Thus, while the May 2017 GIA demonstrated that biodegradation can have a strong influence on the fate of volatile compounds within the subsurface, biodegradation is not explicitly considered in the UGIA.

5.4.2 Analysis Results

The results of the SA for 1,2-Dichloroethane are shown in **Table 8**. Based on Geocon [2016], soil moisture at the site has been found to vary between approximately 16% and 22% with a depth-weighted average of approximately 16.8%. Using these soil moisture values as a constraint, an increase in intrinsic permeability and/or a decrease in the soil disconnectedness value take the SESOIL modeled soil moisture out of the range of values observed at the Site.

As the VOC mass is located at depths just above the groundwater elevation, the minimum travel time of contaminant to groundwater is insensitive to the intrinsic permeability and soil disconnectedness over the range of values considered in this focused SA.

The percentage of PCE mass reaching groundwater is sensitive to both the intrinsic permeability and the soil disconnectedness values. The mass percentages reaching groundwater ranging from 12% to 54% over two orders of magnitude in intrinsic permeability and from 23% to 37% over a change in soil disconnectedness parameters from 5.5 to 7.5. In general, the contaminant mass reaching groundwater increased with decreasing intrinsic permeability and increasing soil disconnectedness values.

Lastly, the maximum leachate concentration was found to be fairly insensitive to intrinsic permeability and soil disconnectedness values. This is likely due to the fact that the maximum leachate concentration corresponds to the concentration early in each model run (see, for example, model output summaries in **Appendix E**).

6. SUMMARY

This UGIA was performed to evaluate the potential for residual detected concentrations of certain COCs in the Site soil to affect groundwater below the Site. In order to evaluate whether the soil impacts at the Site pose a threat to groundwater, the vadose zone fate and transport model SESOIL was used to model current Site conditions (i.e., capped and covered with existing aged building and development foundations) and two potential future Site conditions (i.e., one overly conservative condition assuming exposed soil and the likely future re-development condition that is proposed to cover the entire Site area).

Regional chemical impacts to groundwater have been the subject of regulatory evaluations and enforcement actions throughout the San Fernando Valley (including groundwater flowing beneath the Site). Based on the available groundwater data collected from facilities near to the Site, there are impacts of chlorinated VOCs, benzene, and total chromium which exceed the California maximum contaminant levels for drinking water within the shallowest groundwater interval (100 ft bgs) near the Site. Based on environmental investigations conducted at the Site, a subset of these constituents have been identified in soil and/or soil vapor beneath the Site, including chlorinated VOCs (PCE, TCE, 1,1-DCE), benzene, and chromium. The analysis presented in this UGIA demonstrates that, for VOCs assessed, there is the potential for some contaminant mass at the Site to enter groundwater under current and future Site conditions.

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TABLES

Table 1
Summary of Groundwater Supply Wells within
One Mile of the Site

Well ID	Well Category	Distance from Site	Direction from Site	Screen Top (ft bgs)	Screen Bottom (ft bgs)	Surface Elevation (ft msl)	Data Source
1910179-023	City of Burbank Water Department Supply Well	3300 feet	North	76	331	614	ERM, 2011
1910179-024	City of Burbank Water Department Supply Well	3300 feet	North	92	332	622	ERM, 2011
01N14W14B001S	Department of Water Resources Supply Well	2500 feet	South-Southeast	Data Not Available			N/A
01N14W14B002S	Department of Water Resources Supply Well	2500 feet	South-Southeast	Data Not Available			N/A
01N14W14B008S	Department of Water Resources Supply Well	2500 feet	South-Southeast	Data Not Available			N/A
01N14W12M002S	Department of Water Resources Supply Well	3200 feet	East	Data Not Available			N/A
01N14W14H001S	Department of Water Resources Supply Well	4400 feet	Southeast	Data Not Available			N/A
01N14W10A001S	Department of Water Resources Supply Well	4400 feet	Northwest	Data Not Available			N/A

Table 2
Summary of Soil Data for Constituents of Interest

Layer	Constituent	Media	Number of Samples	Number of Detections	Maximum Detection	95% Upper Confidence Limit	Unit
Fill (0-14)	1,1,2,2-Tetrachloroethane	Soil	114	0	< 0.017		mg/kg
	1,1-Dichloroethene		115	0	< 0.017		
	1,2-Dichloroethane		115	0	< 0.015		
	Benzene		116	5	0.0043	0.0003	
	PCE		118	86	2.54	0.057	
	TCE		119	19	4.8	0.223	
	Total Chromium		113	113	157	29.41	
	trans-1,3-Dichloropropene		119	0	< 0.029		
	Vinyl Chloride		119	0	< 0.024		
Alluvial (14-45)	1,1,2,2-Tetrachloroethane	Soil Vapor	18	0	< 5		µg/m ³
	1,1-Dichloroethene		18	7	462	162.7	
	1,2-Dichloroethane		18	0	< 5		
	Benzene		18	0	< 3		
	PCE		18	18	8,030,000	6,170,600	
	TCE		18	17	18,900	6672	
	Total Chromium	Soil	64	64	67.7	27.97	mg/kg
	trans-1,3-Dichloropropene	Soil Vapor	18	0	< 3		µg/m ³
	Vinyl Chloride		18	0	< 4		
Alluvial (45-100)	1,1,2,2-Tetrachloroethane	Soil Vapor	14	0	< 5		µg/m ³
	1,1-Dichloroethene		14	13	3840	1762	
	1,2-Dichloroethane		14	0	< 5		
	Benzene		14	2	4	4.055	
	PCE		14	14	3,480,000	3,891,365	
	TCE		14	14	11,700	4106	
	trans-1,3-Dichloropropene		14	0	< 3		
	Vinyl Chloride		14	1	5		

Notes:

- No data were collected in Geosyntec [2012], Leighton [2016], or Geosyntec [2017].
- < Data were non-detect, with the highest maximum detection level shown.

Table 3
Summary of Groundwater Data

Compound		PWA-02 Value	PWA-03 Value	MCL / AL
Major Ions	ALKALINITY, BICARBONATE (AS CaCO ₃)	240 mg/L	150 mg/L	--
	ALKALINITY, TOTAL (AS CaCO ₃)	240 mg/L	150 mg/L	--
	BORON	0.059 mg/L	0.081 mg/L	--
	BROMIDE	0.5 mg/L	0.38 mg/L	1
	CALCIUM	113 mg/L	100 mg/L	--
	CHLORIDE (AS CL)	52 mg/L	120 mg/L	--
	FLUORIDE	0.49 mg/L	ND mg/L	--
	MAGNESIUM	28.9 mg/L	32 mg/L	--
	NITROGEN, NITRATE (AS N)	9.3 mg/L	1.7 mg/L	10
	POTASSIUM	4.3 mg/L	5.1 mg/L	--
	SODIUM	39 mg/L	41 mg/L	--
	STRONTIUM	0.72 mg/L	0.64 mg/L	--
	SULFATE (AS SO ₄)	100 mg/L	110 mg/L	--
Metals	ARSENIC	ND µg/L	0.99 µg/L	10
	BARIUM	140 µg/L	210 µg/L	1,000
	CHROMIUM, HEXAVALENT	8.8 µg/L	3.58 µg/L	10
	CHROMIUM, TOTAL	245 µg/L	59 µg/L	50
	COPPER	0.53 µg/L	ND µg/L	1,300
	MOLYBDENUM	7.4 µg/L	5.9 µg/L	--
	SELENIUM	2.2 µg/L	ND µg/L	50
	VANADIUM	5.7 µg/L	8.4 µg/L	50
Volatile Organic Compounds	1,1,1-TRICHLOROMETHANE, CHLOROFORM-D	4.9 µg/L	4.8 µg/L	--
	1,1,2,2-TETRACHLOROETHANE-D2	4.7 µg/L	4.9 µg/L	1
	1,1,2-TRICHLOROETHANE	0.1 µg/L	ND µg/L	5
	1,1-DICHLOROETHANE	0.51 µg/L	ND µg/L	5
	1,1-DICHLOROETHENE	6.3 µg/L	4.7 µg/L	6
	1,2-DICHLOROBENZENE-D4	4.8 µg/L	5 µg/L	600
	1,2-DICHLOROETHANE-D4	5.2 µg/L	5.2 µg/L	5
	1,2-DICHLOROPROPANE-D6	4.5 µg/L	4.9 µg/L	5
	1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	23 µg/L	22 µg/L	--
	2-BUTANONE-D5	47 µg/L	47 µg/L	--
	2-HEXANONE-D5	50 µg/L	51 µg/L	--
	BENZENE-D6	4.3 µg/L	4.7 µg/L	1
	CARBON TETRACHLORIDE	0.28 µg/L	ND µg/L	0.5
	CHLOROETHANE-D5	5 µg/L	4.7 µg/L	--
	CHLOROFORM	1.7 µg/L	ND µg/L	--
	CIS-1,2-DICHLOROETHYLENE	ND µg/L	5.3 µg/L	6
	DIBROMOFLUOROMETHANE	28 µg/L	24 µg/L	--
	TETRACHLOROETHYLENE(PCE)	9.7 µg/L	3.6 µg/L	5
	TOLUENE-D8	25 µg/L	25 µg/L	150
	TRANS-1,2-DICHLOROETHENE	ND µg/L	0.63 µg/L	10
	TRANS-1,3-DICHLOROPROPENE-D4	4.2 µg/L	4.5 µg/L	0.5
	TRICHLOROETHYLENE (TCE)	17 µg/L	87 µg/L	5
	VINYL CHLORIDE-D3	4.4 µg/L	4.2 µg/L	0.5

Notes: Continued on next page

Table 3
Summary of Groundwater Data

MCL - Maximum Contaminant Level

AL - Action Level

Highlighted cells - exceedance of the MCL

mg/L - milligram per liter

µg/L - microgram per liter

Table 4
Summary of SESOIL Inputs

Analyte	Scenario	Depth (feet)	Maximum Detection Limit or 95UCL	Maximum Detection Limit or 95UCL unit	SESOIL Input Concentration (mg/kg)
1,1-DCE	All	0-14	0.017 *	mg/kg	0.0E+00
	Current	14-45	162.7	$\mu\text{g}/\text{m}^3$	8.2E-05
		45-100	1762		8.9E-04
	Future Covered	14-45	162.7		8.2E-05
		45-100	1762		8.9E-04
	Future Uncovered	14-45	162.7		8.2E-05
		45-100	1762		8.9E-04
Benzene	All	0-14	3.2E-04	mg/kg	3.2E-04
	Current	14-45	3 *	$\mu\text{g}/\text{m}^3$	0.0E+00
		45-100	4.055		5.0E-06
	Future Covered	14-45	3 *		0.0E+00
		45-100	4.055		4.9E-06
	Future Uncovered	14-45	3 *		0.0E+00
		45-100	4.055		4.7E-06
PCE	All	0-14	0.057	mg/kg	5.7E-02
	Current	14-45	6170600	$\mu\text{g}/\text{m}^3$	1.4E+01
		45-100	3891365		8.6E+00
	Future Covered	14-45	6170600		1.4E+01
		45-100	3891365		8.6E+00
	Future Uncovered	14-45	6170600		1.4E+01
		45-100	3891365		8.5E+00
TCE	All	0-14	0.223	mg/kg	2.2E-01
	Current	14-45	6672	$\mu\text{g}/\text{m}^3$	1.5E-02
		45-100	4106		9.2E-03
	Future Covered	14-45	6672		1.5E-02
		45-100	4106		9.1E-03
	Future Uncovered	14-45	6672		1.5E-02
		45-100	4106		9.1E-03
Total Chromium	All	0-14	29.41	mg/kg	2.9E+01
		14-45.5	27.97		2.8E+01
		45.5-100	--		--

Notes:

* Value is the maximum detection limit (i.e., all samples were non-detect).

Table 5
 SESOIL Output Summary
 Scenario 1 (Current Site Conditions)

Constituent	Theoretical Time to Groundwater (years)	Theoretical Percentage of Mass in Groundwater	Fate of Majority of Mass	Maximum Leachate Concentration (mg/L)
Chromium-III	--	0.00%	Adsorbed on Soil	0.0000
Chromium-VI	9456	0.00%	Adsorbed on Soil	0.0000
Benzene	1	7%	Volatilized	0.0001
1,1-Dichloroethene	2	26%	Volatilized	0.0054
Tetrachloroethene	2	30%	Volatilized	59.29
Trichloroethene	1	11%	Volatilized	0.0776

Notes:

mg/L - milligrams per liter

The theoretical time to groundwater represents the first arrival of contaminant mass in the SESOIL model to groundwater. For

Table 6
 SESOIL Output Summary
 Scenario 2 (Future Site Conditions, Concrete)

Constituent	Theoretical Time to Groundwater (years)	Theoretical Percentage of Mass in Groundwater	Fate of Majority of Mass	Maximum Leachate Concentration (mg/L)
Chromium-III	--	0.00%	Adsorbed on Soil	0.0000
Chromium-VI	28,300	0.00%	Adsorbed on Soil	0.0000
Benzene	3	2%	Volatilized	0.0001
1,1-Dichloroethene	5	6%	Volatilized	0.0039
Tetrachloroethene	4	9%	Volatilized	58.1800
Trichloroethene	3	3%	Volatilized	0.0765

Notes:

mg/L - milligrams per liter

The theoretical time to groundwater represents the first arrival of contaminant mass in the SESOIL model to groundwater. For

Table 7
 SESOIL Output Summary
 Scenario 3 (Future Site Conditions, Soil)

Consituent	Theoretical Time to Groundwater (years)	Theoretical Percentage of Mass in Groundwater	Fate of Majority of Mass	Maximum Leachate Concentration (mg/L)
Chromium-III	--	0.00%	Adsorbed on Soil	0.0000
Chromium-VI	4728	0.00%	Adsorbed on Soil	0.0000
Benzene	1	6%	Volatilized	0.0002
1,1-Dichoroethene	2	5%	Volatilized	0.0048
Tetrachloroethene	2	8%	Volatilized	65.4400
Trichloroethene	1	4%	Volatilized	0.1098

Notes:

mg/L - milligrams per liter

The theoretical time to groundwater represents the first arrival of contaminant mass in the SESOIL model to groundwater. For

Table 8
Focused Sensitivity Analysis Results

Focused Sensitivity Analysis Results					
Model Scenario	Scenario 1 - Current Site Conditions (Aged Concrete)				
Constituent	Tetrachloroethene (PCE)				
Parameter	Value	Model Soil Moisture (%)	Travel Time (year)	Mass Reaching Groundwater (%)	Maximum Leachate Concentration (mg/L)
Intrinsic Permeability	1e-11 cm ²	22.6%	2	54%	64.49
	5e-11 cm ²	17.9%	2	39%	59.69
	1e-10 cm ²	16.1%	2	30%	59.29
	5e-10 cm ²	12.5%	1	16%	59.72
	1e-9 cm ²	11.7%	1	12%	60.53
Soil Disconnectivity Index	5.5	14.4%	1	23%	59.87
	6.0	15.3%	2	26%	59.27
	6.5	16.1%	2	30%	59.29
	7.0	16.8%	2	33%	59.86
	7.5	17.4%	2	37%	59.41

The values in green show the Scenario 1 model values.

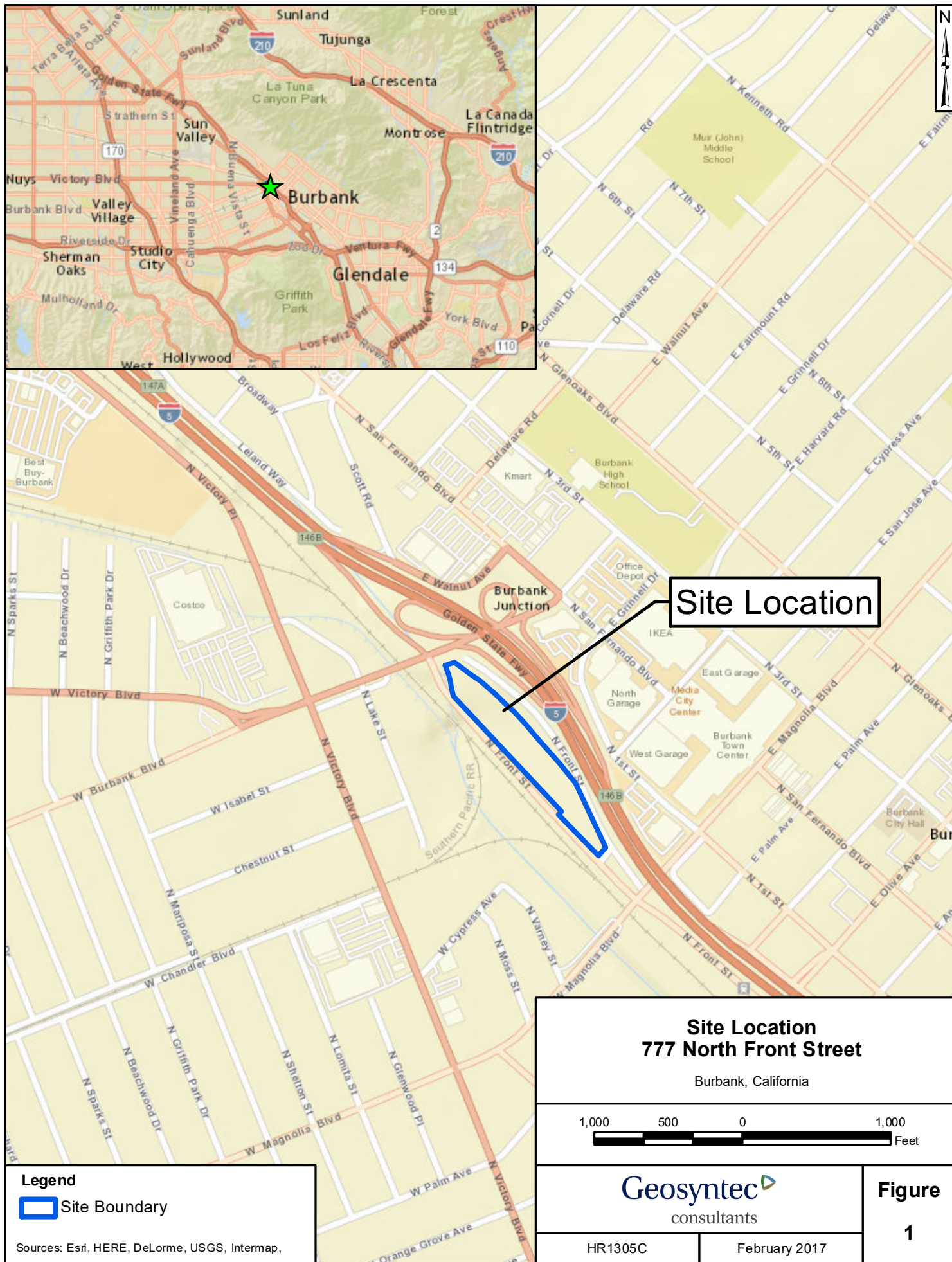
FIGURES

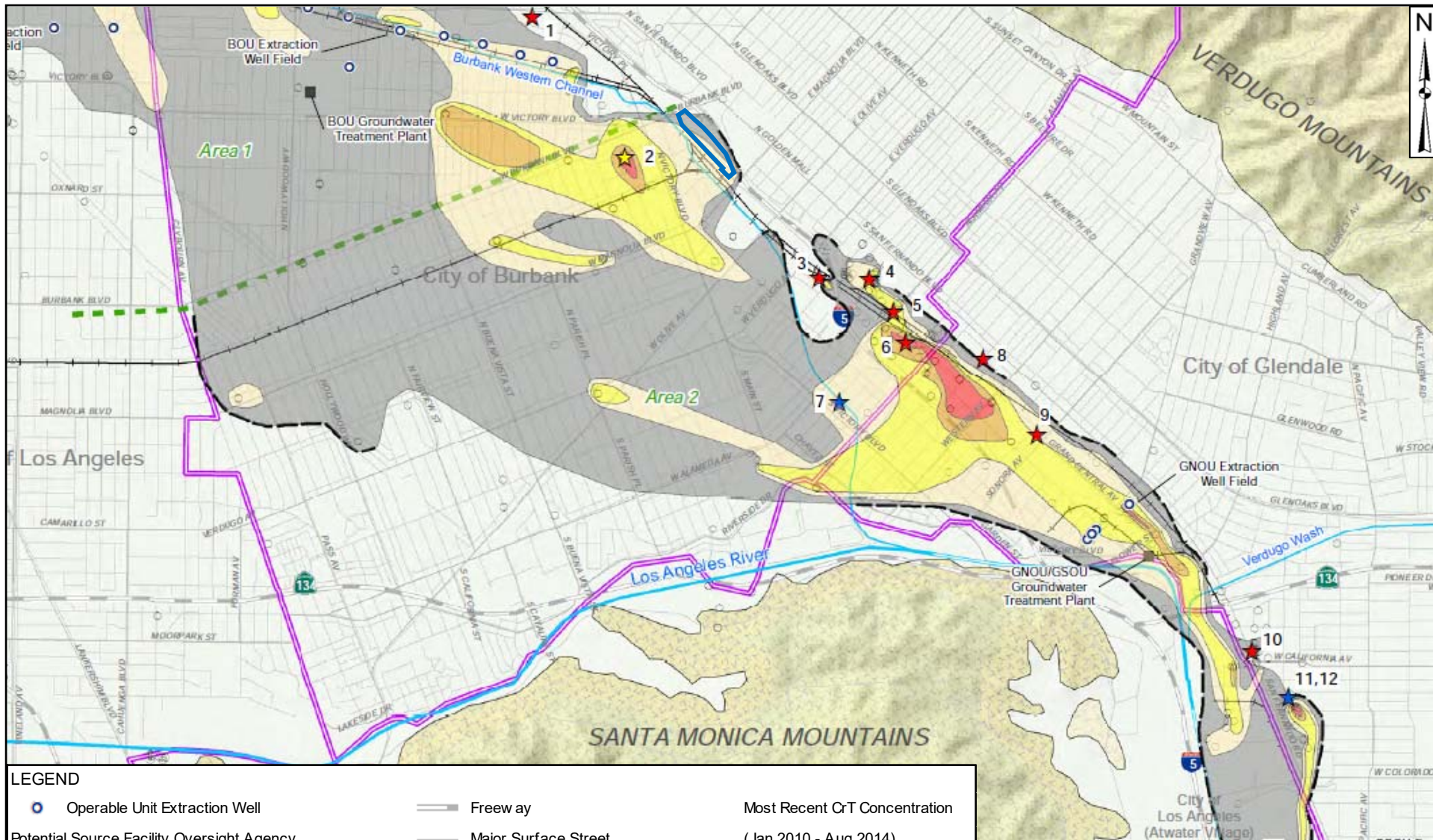
FIGURES

GROUNDWATER IMPACTS ASSESSMENT

777 North Front Street

Burbank, California





LEGEND

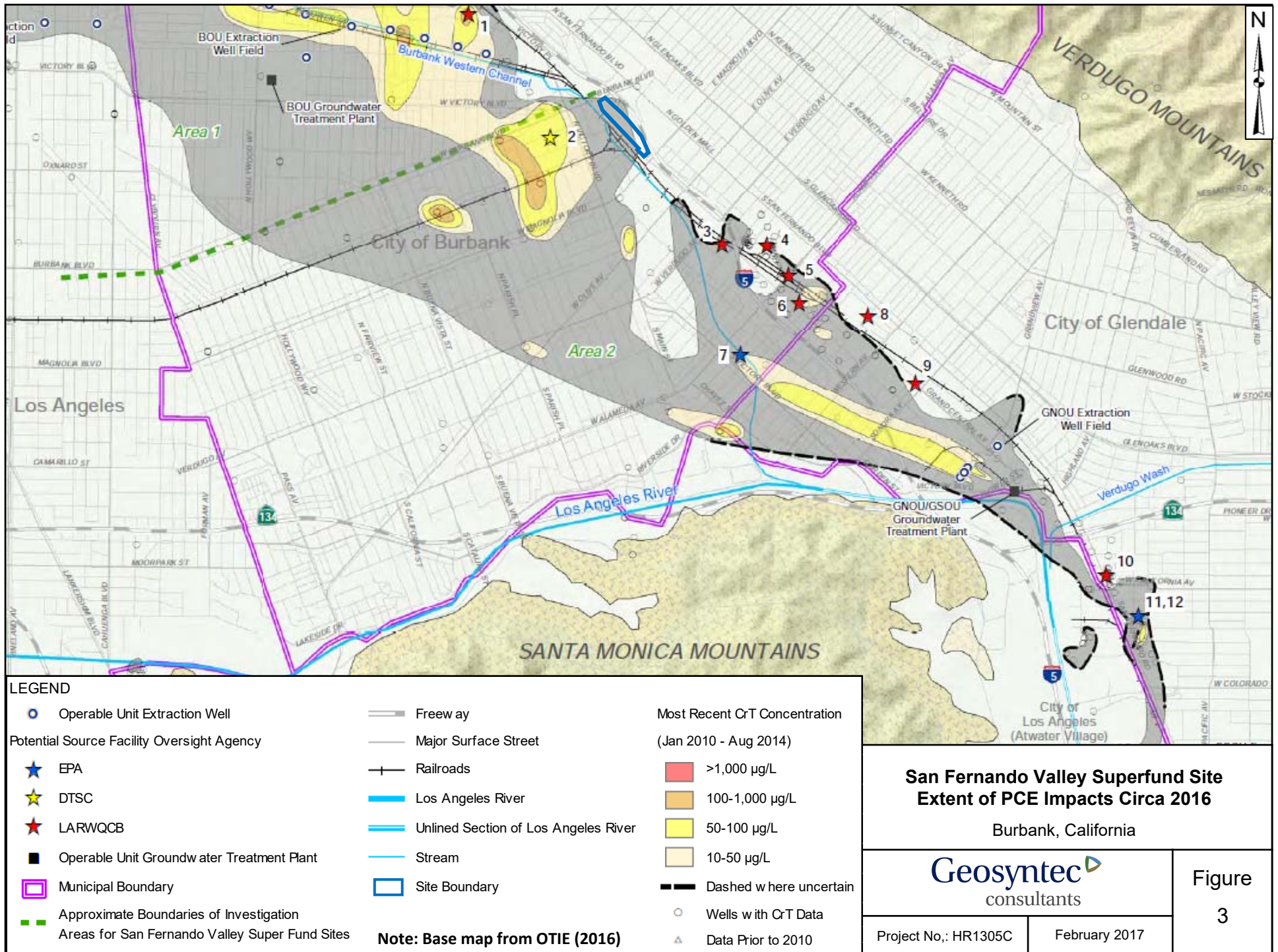
- Operable Unit Extraction Well
- ★ EPA
- ★ DTSC
- ★ LARWQCB
- Operable Unit Groundwater Treatment Plant
- Municipal Boundary
- Approximate Boundaries of Investigation Areas for San Fernando Valley Super Fund Sites

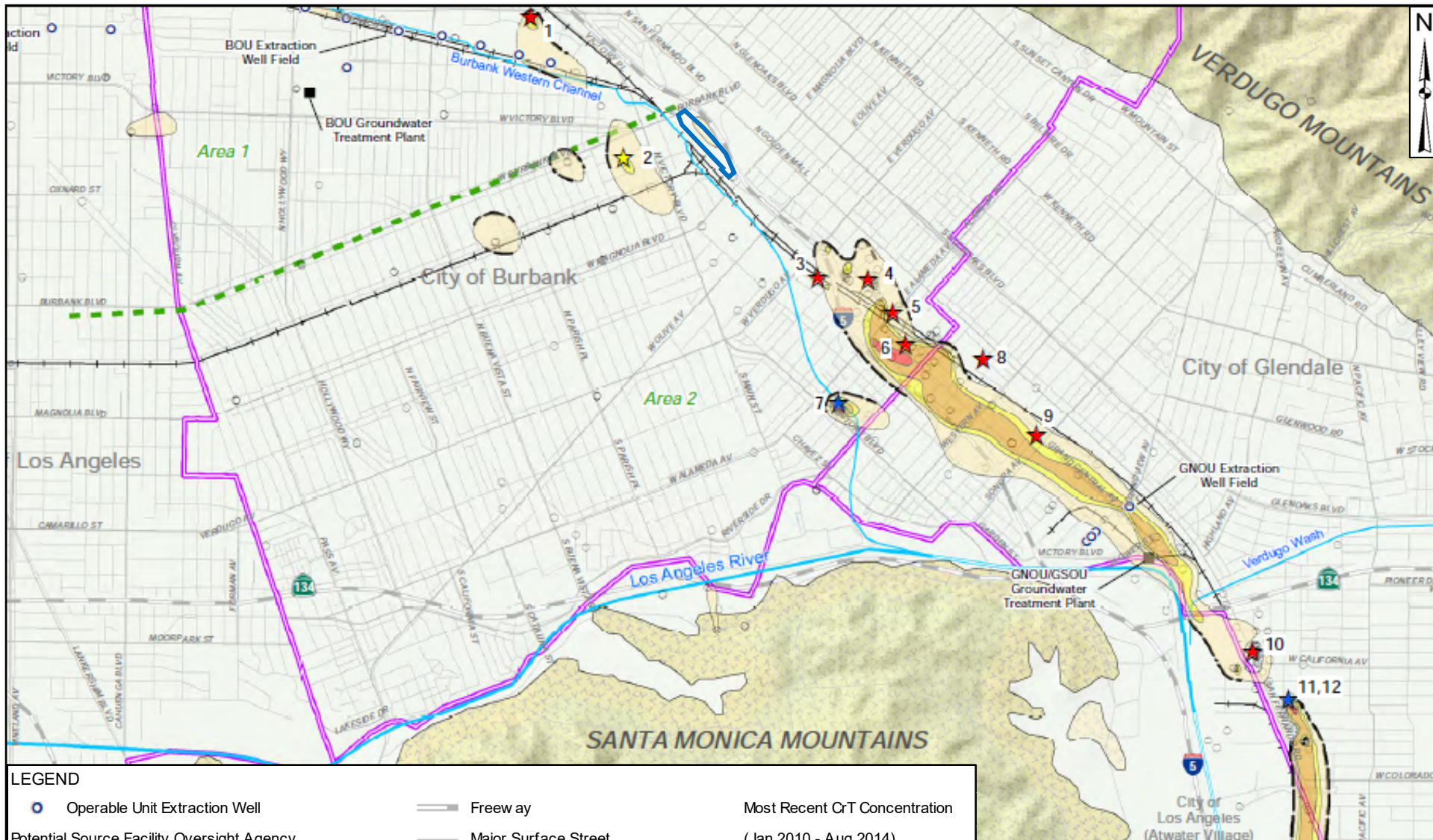
- Freeway
- Major Surface Street
- Railroads
- Los Angeles River
- Unlined Section of Los Angeles River
- Stream
- Site Boundary

Most Recent CrT Concentration
(Jan 2010 - Aug 2014)

- >1,000 µg/L
- 100-1,000 µg/L
- 50-100 µg/L
- 10-50 µg/L
- Dashed where uncertain
- Wells with CrT Data
- △ Data Prior to 2010

Note: Base map from OTIE (2016)





LEGEND

- Operable Unit Extraction Well
- ★ EPA
- ★ DTSC
- ★ LARWQCB
- Operable Unit Groundwater Treatment Plant
- Municipal Boundary
- Approximate Boundaries of Investigation
- Areas for San Fernando Valley Super Fund Sites

- Freeway
- Major Surface Street
- Railroads
- Los Angeles River
- Unlined Section of Los Angeles River
- Stream
- Site Boundary

Most Recent CrT Concentration
(Jan 2010 - Aug 2014)

- >1,000 µg/L
- 100-1,000 µg/L
- 50-100 µg/L
- 10-50 µg/L
- Dashed where uncertain
- Wells with CrT Data
- △ Data Prior to 2010

Note: Base map from OTIE (2016)

San Fernando Valley Superfund Site Extent of Total Chromium Impacts Circa 2016

Burbank, California

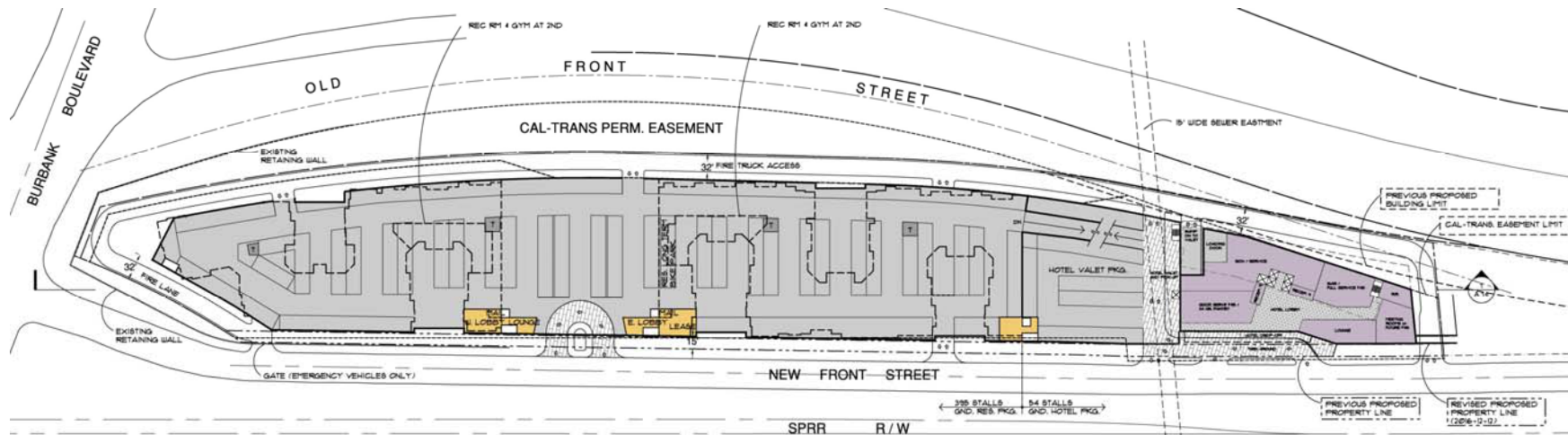
Geosyntec
consultants

Project No.: HR1305C

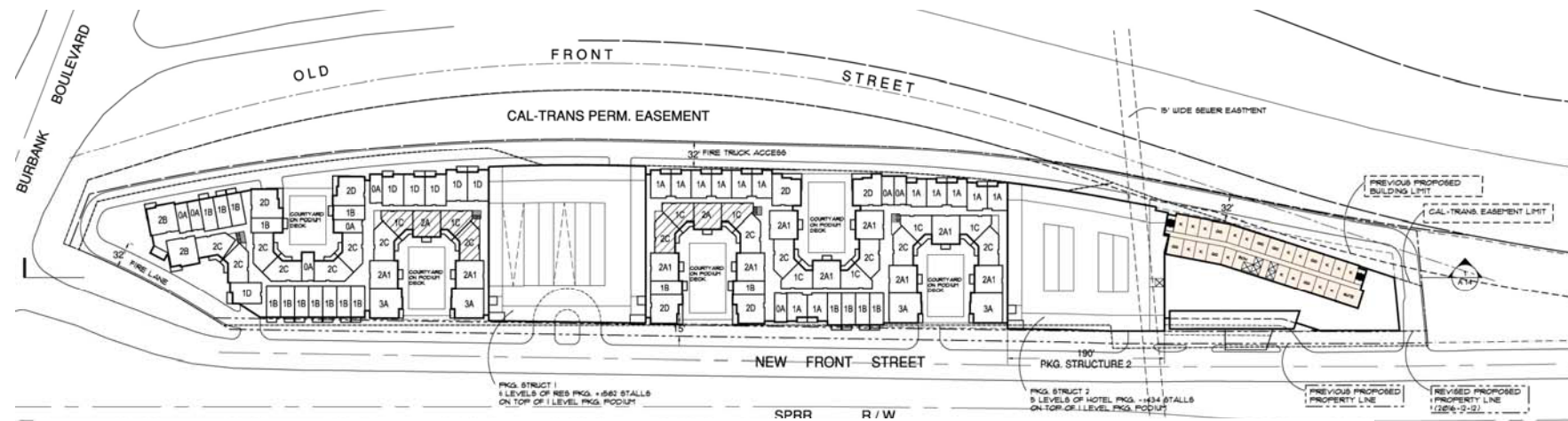
February 2017

Figure

4

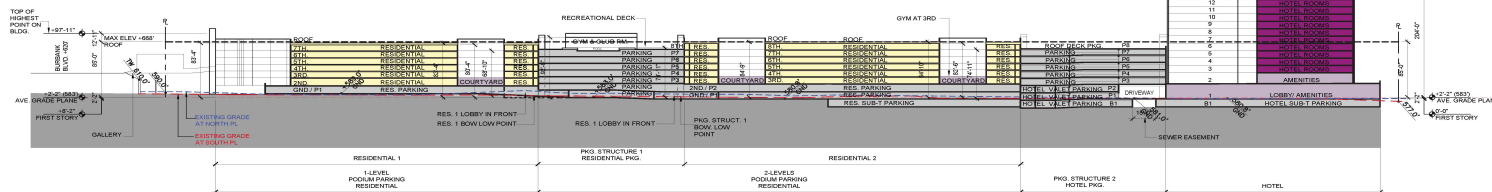


Ground Floor



1st Floor

Profile Layout



Preliminary Development Plan Building Sections – The Line @ Burbank 777 North Front Street

Burbank, California

Geosyntec
consultants

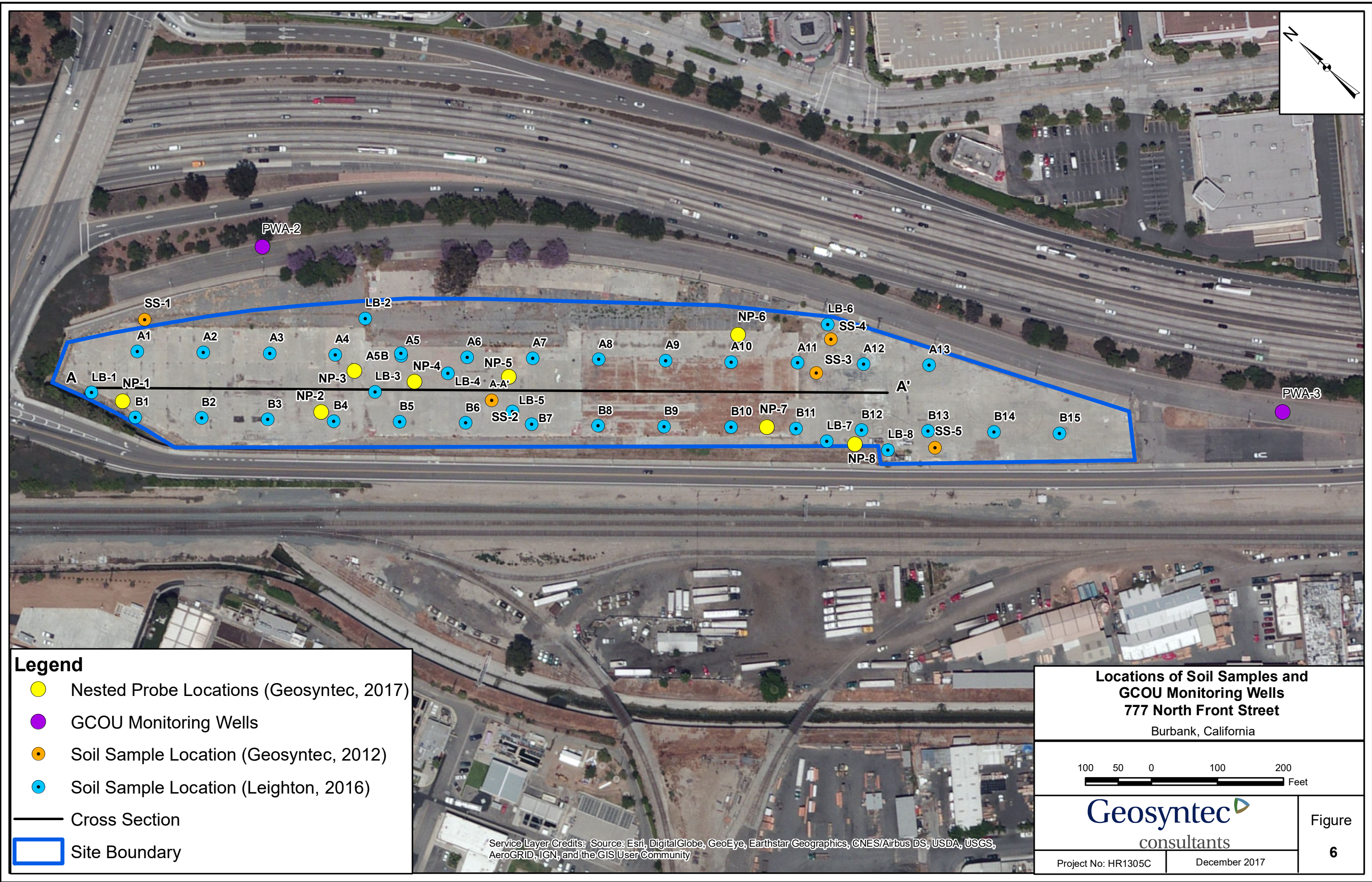
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February 2017

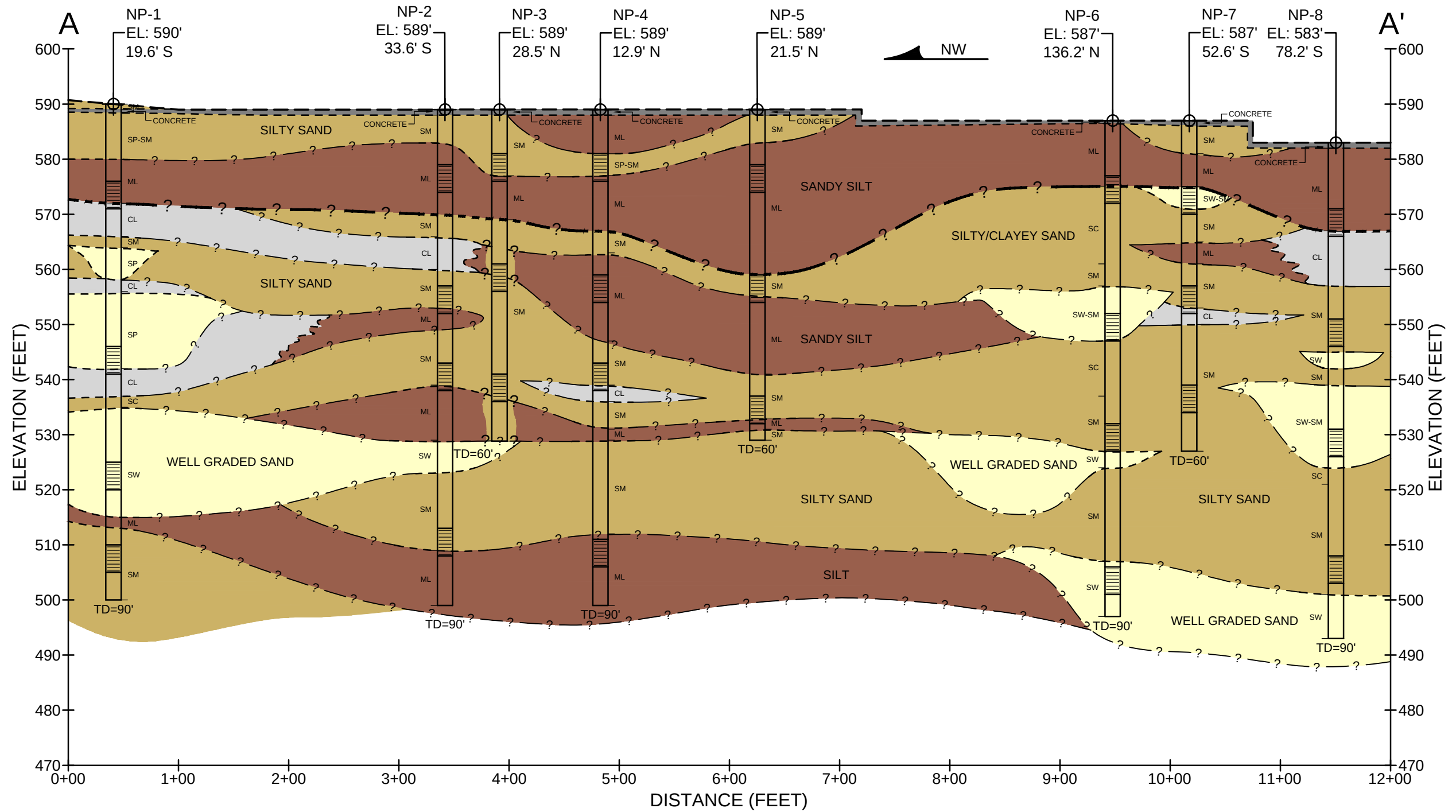
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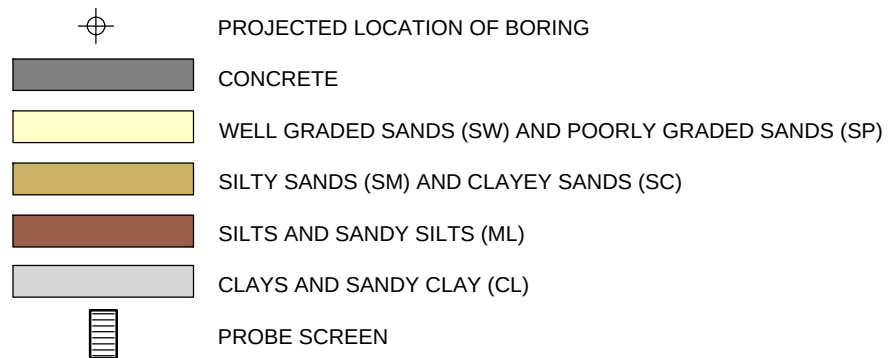
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N:\CACADD\N\NORTHIDGE PROPERTIES\NORTHIDGE PROPERTIES - HR1305\FIGURES\1305F002



LEGEND



NOTE:

- SUBSURFACE CONDITIONS VARY AWAY FROM BORING LOCATIONS AND WITH PASSAGE OF TIME.



CROSS SECTION A-A'
777 N. FRONT STREET
BURBANK, CALIFORNIA

Geosyntec
consultants

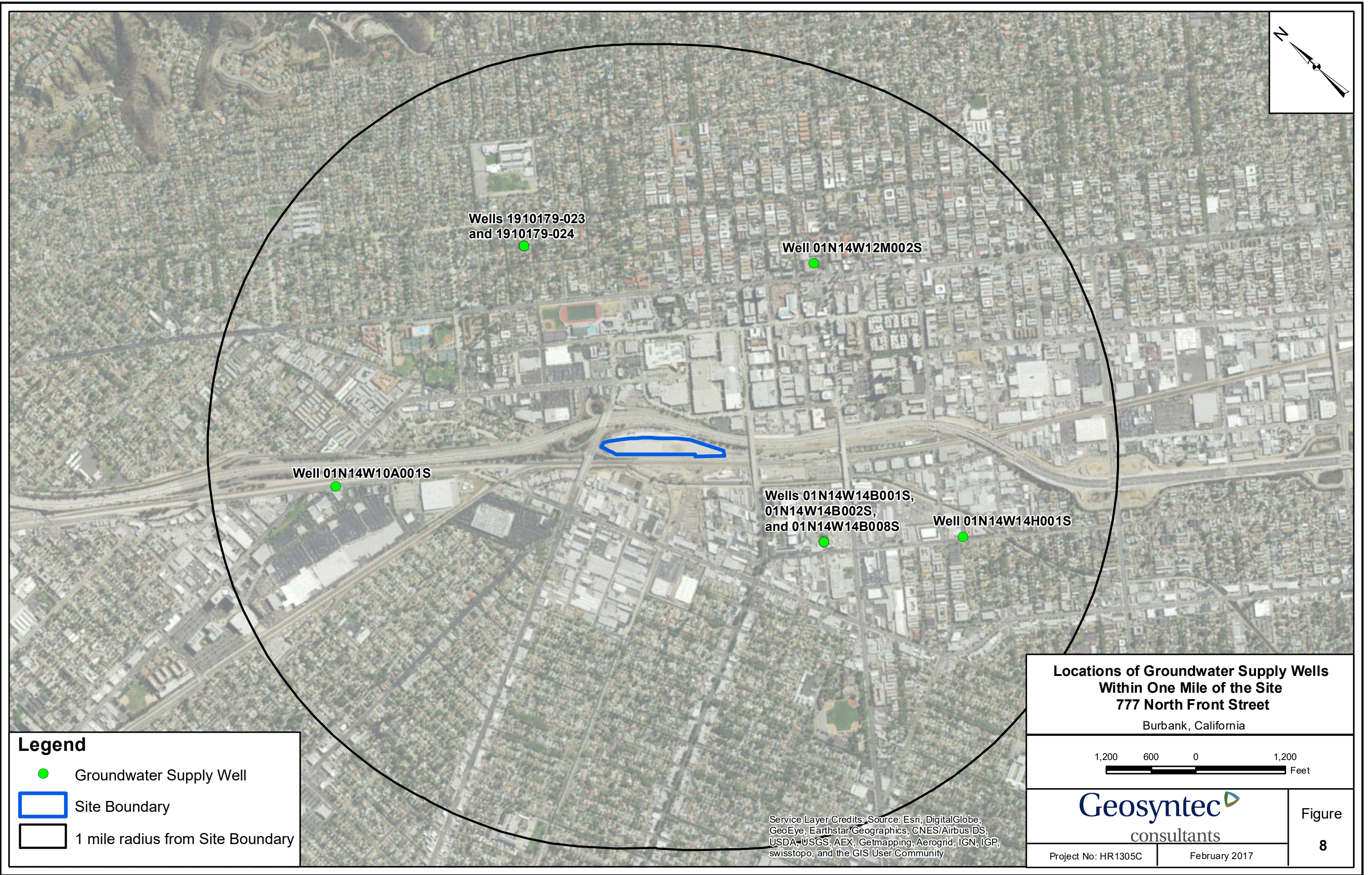
PROJECT NO: HR1305C

JANUARY 2018

FIGURE

7

S:\hbeach\01\data\G&S\ S:\GIS\HR1305\Projects\2017\Fig6_GwSupplyWell.mxd 2/17/2017



Conceptual Model

SESOIL Model

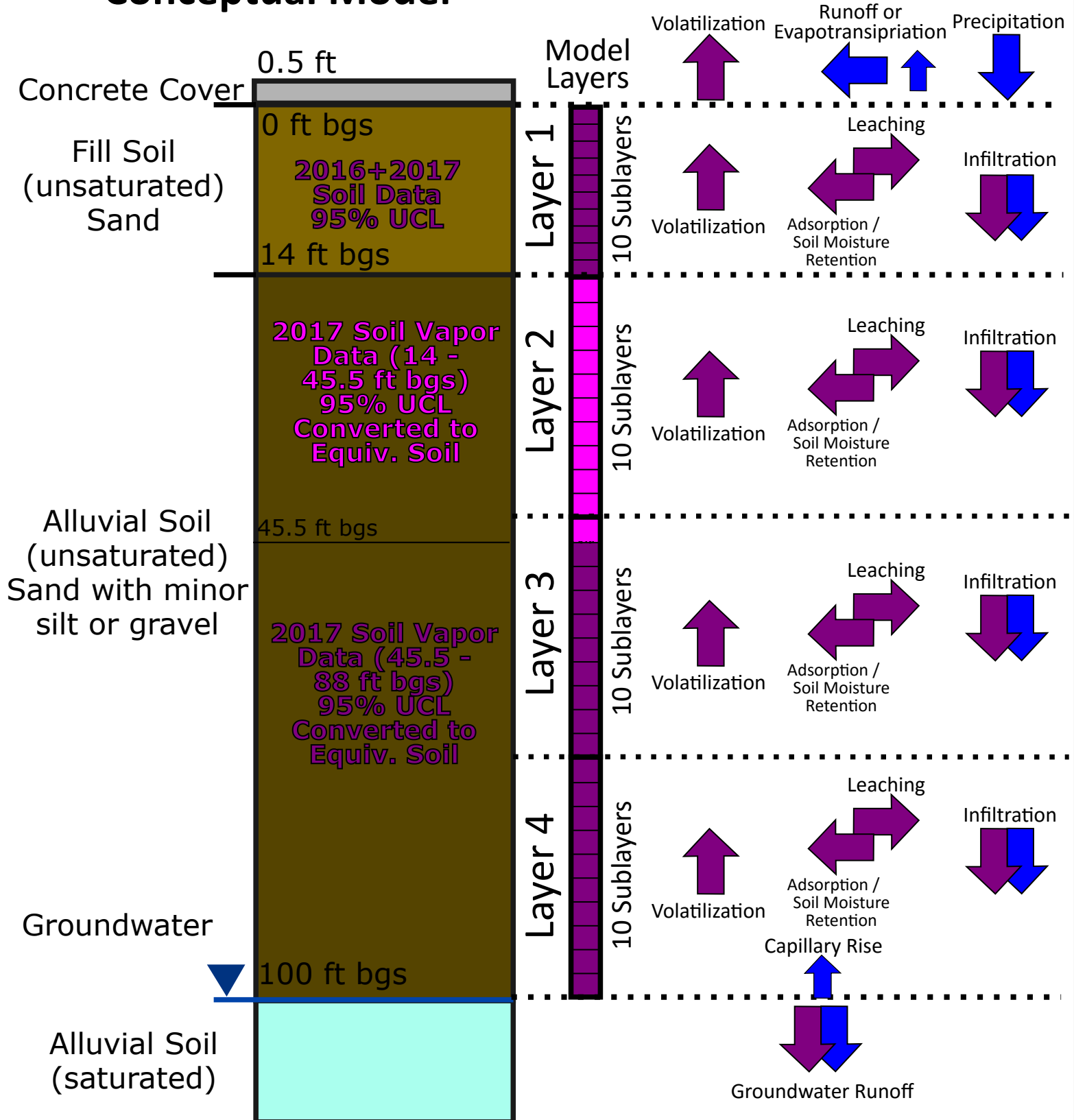


Figure 9
SESOIL Model Setup

SESOIL Pollutant Cycle Report

Scenario Description: 777NFS

SESOIL Output File: C:\SEV7 WIN7\S01.OUT

SESOIL Process	Pollutant Mass (µg)	Percent of Total
Volatilized	3.274E+08	64.47
In Soil Air	9.326E+06	1.84
Sur. Runoff	0.000E+00	0.00
In Washld	0.000E+00	0.00
Ads On Soil	2.589E+06	0.51
Hydrol Soil	0.000E+00	0.00
Degrad Soil	0.000E+00	0.00
Pure Phase	0.000E+00	0.00
Complexed	0.000E+00	0.00
Immobile CEC	0.000E+00	0.00
Hydrol CEC	0.000E+00	0.00
In Soil Moi	1.463E+07	2.88
Hydrol Mois	0.000E+00	0.00
Degrad Mois	0.000E+00	0.00
Other Trans	0.000E+00	0.00
Other Sinks	0.000E+00	0.00
Gwr. Runoff	1.529E+08	30.11
Total Output	5.069E+08	
Total Input	5.079E+08	99.81
Input - Output	9.701E+05	

Maximum leachate concentration: 5.929E+01 mg/l

Climate File: LOS ANGELES, CIVIC CENTER

C:\SEV7 WIN7\SET_ET_15PRECIP.CLM

Chemical File: PCE (Tetrachloroethene) OEPA 2003

c:\sev7 win7\PCE (TETRACHLOROETHENE) OEPA 2003.CHM

Soil File: Depth weighted soil

C:\SEV7 WIN7\DEPTH_AVG_SOIL.SOI

Application File: SEVIEW Default Application Parameters

C:\SEV7 WIN7\S01.APL

Time to Groundwater: 2.08 years

Starting Depth: 3005.00 cm

Ending Depth: 3047.00 cm

Total Depth: 3047.00 cm

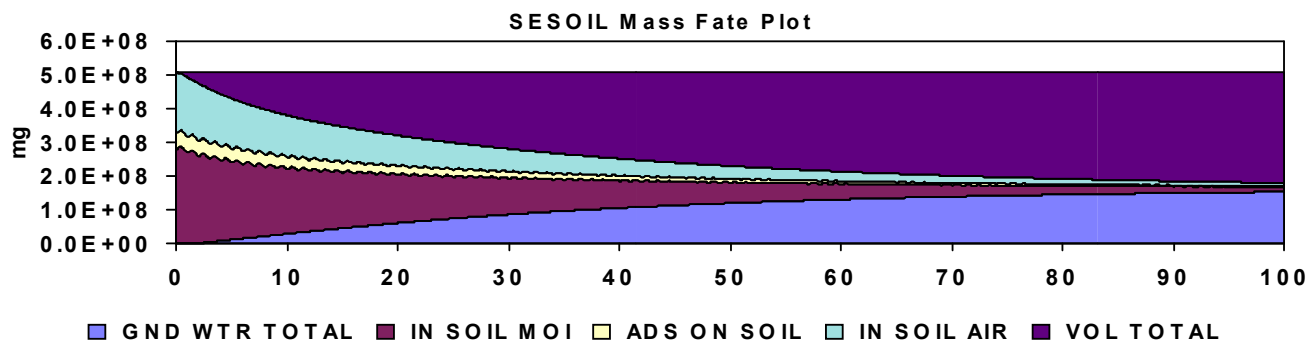
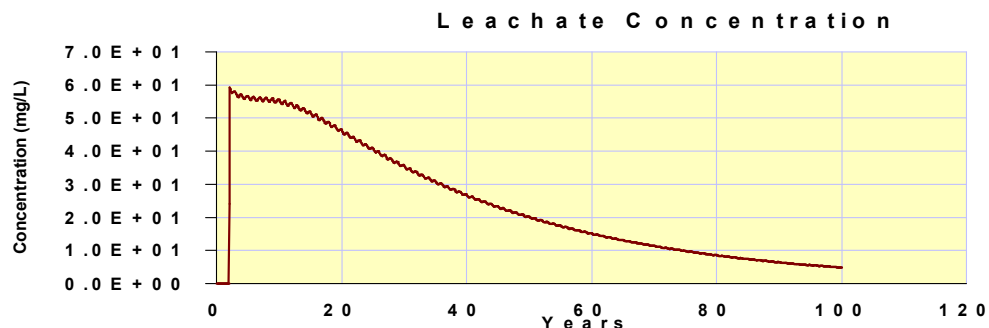
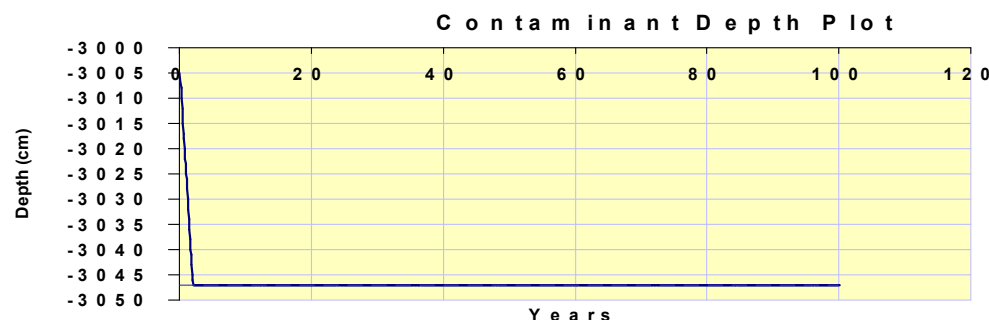


Figure 10
Representative SESOIL
Output

APPENDICES

Appendix A

Soil and Soil Vapor Data

Appendix A-1
Soil Data
(0-14 feet below ground surface)

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
NP-4	10	NP-4-10	10/11/2017	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	12
A1	1	A1-1'	5/4/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
A5B	1	A5B-1'	5/4/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
A6	1	A6-1'	5/5/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
A7	1	A7-1'	5/5/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
A8	1	A8-1'	5/5/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
A9	1	A9-1'	5/5/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
A10	1	A10-1'	5/5/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
A11	1	A11-1'	5/5/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
A12	1	A12-1'	5/5/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
A13	1	A13-1'	5/5/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
B1	1	B1-1'	5/4/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
B2	1	B2-1'	5/5/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
B3	1	B3-1'	5/4/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
B4	1	B4-1'	5/4/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
B5	1	B5-1'	5/4/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
B6	1	B6-1'	5/4/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
B8	1	B8-1'	5/5/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
B9	1	B9-1'	5/5/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
B10	1	B10-1'	5/7/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
B11	1	B11-1'	5/5/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
B12	1	B12-1'	5/5/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
B13	1	B13-1'	5/6/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
B14	1	B14-1'	5/6/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
LB1	1	LB1-1'	5/6/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
LB2	1	LB2-1'	5/6/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
LB3	1	LB3-1'	5/6/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
LB4	1	LB4-1'	5/5/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
LB5	1	LB5-1'	5/5/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
LB6	1	LB6-1'	5/5/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
LB7	1	LB7-1'	5/5/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
LB8	1	LB8-1'	5/5/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
A5	1.25	A5-1.25'	5/4/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
A7	3.5	A7-3.5'	5/5/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
B15	4	B15-4'	5/6/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
A1	4.5	A1-4.5'	5/4/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
A2	4.5	A2-4.5'	5/4/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
A3	4.5	A3-4.5'	5/4/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
A4	4.5	A4-4.5'	5/4/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
A5	4.5	A5-4.5'	5/4/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
A5B	4.5	A5B-4.5'	5/4/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
A6	4.5	A6-4.5'	5/5/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
A8	4.5	A8-4.5'	5/5/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
A9	4.5	A9-4.5'	5/5/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
A11	4.5	A11-4.5'	5/5/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
B1	4.5	B1-4.5'	5/4/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
B2	4.5	B2-4.5'	5/5/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
B3	4.5	B3-4.5'	5/4/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
B4	4.5	B4-4.5'	5/4/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
B5	4.5	B5-4.5'	5/4/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
B6	4.5	B6-4.5'	5/4/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
B7	4.5	B7-4.5'	5/5/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
B8	4.5	B8-4.5'	5/5/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
B9	4.5	B9-4.5'	5/5/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
B10	4.5	B10-4.5'	5/5/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
B11	4.5	B11-4.5'	5/5/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
LB	4.5	LB-4.5'	5/6/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
LB1	4.5	LB1-4.5'	5/6/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
LB3	4.5	LB3-4.5'	5/6/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
LB4	4.5	LB4-4.5'	5/5/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
LB5	4.5	LB5-4.5'	5/5/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
A12	5	A12-5'	5/5/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
A13	5	A13-5'	5/5/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
B12	5	B12-5'	5/5/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
B13	5	B13-5'	5/6/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
B14	5	B14-5'	5/8/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
B15	5	B15-5'	5/6/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
LB6	5	LB6-5'	5/5/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
LB7	5	LB7-5'	5/5/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
LB8	5	LB8-5'	5/5/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
A1	8.5	A1-8.5'	5/4/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
A2	8.5	A2-8.5'	5/4/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
A3	8.5	A3-8.5'	5/4/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
A4	8.5	A4-8.5'	5/4/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
A5B	8.5	A5B-8.5'	5/4/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
A6	8.5	A6-8.5'	5/5/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
A7	8.5	A7-8.5'	5/5/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
A8	8.5	A8-8.5'	5/5/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
A9	8.5	A9-8.5'	5/5/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
A11	8.5	A11-8.5'	5/5/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
B1	8.5	B1-8.5'	5/4/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
B2	8.5	B2-8.5'	5/5/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
B3	8.5	B3-8.5'	5/4/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
B4	8.5	B4-8.5'	5/4/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
B5	8.5	B5-8.5'	5/4/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
B6	8.5	B6-8.5'	5/4/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
B7	8.5	B7-8.5'	5/5/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
B8	8.5	B8-8.5'	5/5/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
B9	8.5	B9-8.5'	5/5/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
B10	8.5	B10-8.5'	5/5/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
B11	8.5	B11-8.5'	5/5/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
LB1	8.5	LB1-8.5'	5/6/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
LB2	8.5	LB2-8.5'	5/6/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
LB3	8.5	LB3-8.5'	5/6/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
LB4	8.5	LB4-8.5'	5/5/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
LB5	8.5	LB5-8.5'	5/5/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
A12	11	A12-11'	5/5/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
A13	11	A13-11'	5/5/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
B12	11	B12-11'	5/5/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
B13	11	B13-11'	5/6/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
B14	11	B14-11'	5/6/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
LB6	11	LB6-11'	5/5/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
LB7	11	LB7-11'	5/5/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
LB8	11	LB8-11'	5/5/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
LB3	1D	LB3-1'-D	5/6/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
LB5	1D	LB5-1D	5/5/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
B4	4.5D	B4-4.5D	5/4/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
B12	5D	B12-5'D	5/5/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
A3	8.5D	A3-8.5'-D	5/4/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
A11	8.5D	A11-8.5'-D	5/5/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
B8	8.5D	B8-8.5D	5/5/2016	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	1
NP-3	12	NP-3-12	10/10/2017	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	0.24
NP-2	6	NP-2-6	10/9/2017	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	0.23
NP-1	12	NP-1-12	10/9/2017	630-20-6	1,1,1,2-Tetrachloroethane	ND	µg/kg	0.18
LB8	1	LB8-1'	5/5/2016	71-55-6	1,1,1-Trichloroethane	20.9	µg/kg	1
NP-4	10	NP-4-10	10/11/2017	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	11
LB8	5	LB8-5'	5/5/2016	71-55-6	1,1,1-Trichloroethane	4.1	µg/kg	1
A1	1	A1-1'	5/4/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
A5B	1	A5B-1'	5/4/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
A6	1	A6-1'	5/5/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
A7	1	A7-1'	5/5/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
A8	1	A8-1'	5/5/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
A9	1	A9-1'	5/5/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
A10	1	A10-1'	5/5/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
A11	1	A11-1'	5/5/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
A12	1	A12-1'	5/5/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
A13	1	A13-1'	5/5/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
B1	1	B1-1'	5/4/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
B2	1	B2-1'	5/5/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
B3	1	B3-1'	5/4/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
B4	1	B4-1'	5/4/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
B5	1	B5-1'	5/4/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
B6	1	B6-1'	5/4/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
B8	1	B8-1'	5/5/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
B9	1	B9-1'	5/5/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
B10	1	B10-1'	5/7/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
B11	1	B11-1'	5/5/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
B12	1	B12-1'	5/5/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
B13	1	B13-1'	5/6/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
B14	1	B14-1'	5/6/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
LB1	1	LB1-1'	5/6/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
LB2	1	LB2-1'	5/6/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
LB3	1	LB3-1'	5/6/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
LB4	1	LB4-1'	5/5/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
LB5	1	LB5-1'	5/5/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
LB6	1	LB6-1'	5/5/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
LB7	1	LB7-1'	5/5/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
A5	1.25	A5-1.25'	5/4/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
A7	3.5	A7-3.5'	5/5/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
B15	4	B15-4'	5/6/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
A1	4.5	A1-4.5'	5/4/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
A2	4.5	A2-4.5'	5/4/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
A3	4.5	A3-4.5'	5/4/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
A4	4.5	A4-4.5'	5/4/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
A5	4.5	A5-4.5'	5/4/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
A5B	4.5	A5B-4.5'	5/4/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
A6	4.5	A6-4.5'	5/5/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
A8	4.5	A8-4.5'	5/5/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
A9	4.5	A9-4.5'	5/5/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
A11	4.5	A11-4.5'	5/5/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
B1	4.5	B1-4.5'	5/4/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
B2	4.5	B2-4.5'	5/5/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
B3	4.5	B3-4.5'	5/4/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
B4	4.5	B4-4.5'	5/4/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
B5	4.5	B5-4.5'	5/4/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
B6	4.5	B6-4.5'	5/4/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
B7	4.5	B7-4.5'	5/5/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
B8	4.5	B8-4.5'	5/5/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
B9	4.5	B9-4.5'	5/5/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
B10	4.5	B10-4.5'	5/5/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
B11	4.5	B11-4.5'	5/5/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
LB	4.5	LB-4.5'	5/6/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
LB1	4.5	LB1-4.5'	5/6/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
LB3	4.5	LB3-4.5'	5/6/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
LB4	4.5	LB4-4.5'	5/5/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
LB5	4.5	LB5-4.5'	5/5/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
A12	5	A12-5'	5/5/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
A13	5	A13-5'	5/5/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
B12	5	B12-5'	5/5/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
B13	5	B13-5'	5/6/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
B14	5	B14-5'	5/8/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
B15	5	B15-5'	5/6/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
LB6	5	LB6-5'	5/5/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
LB7	5	LB7-5'	5/5/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
A1	8.5	A1-8.5'	5/4/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
A2	8.5	A2-8.5'	5/4/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
A3	8.5	A3-8.5'	5/4/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
A4	8.5	A4-8.5'	5/4/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
A5B	8.5	A5B-8.5'	5/4/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
A6	8.5	A6-8.5'	5/5/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
A7	8.5	A7-8.5'	5/5/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
A8	8.5	A8-8.5'	5/5/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
A9	8.5	A9-8.5'	5/5/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
A11	8.5	A11-8.5'	5/5/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
B1	8.5	B1-8.5'	5/4/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
B2	8.5	B2-8.5'	5/5/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
B3	8.5	B3-8.5'	5/4/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
B4	8.5	B4-8.5'	5/4/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
B5	8.5	B5-8.5'	5/4/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
B6	8.5	B6-8.5'	5/4/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
B7	8.5	B7-8.5'	5/5/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
B8	8.5	B8-8.5'	5/5/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
B9	8.5	B9-8.5'	5/5/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
B10	8.5	B10-8.5'	5/5/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
B11	8.5	B11-8.5'	5/5/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
LB1	8.5	LB1-8.5'	5/6/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
LB2	8.5	LB2-8.5'	5/6/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
LB3	8.5	LB3-8.5'	5/6/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
LB4	8.5	LB4-8.5'	5/5/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
LB5	8.5	LB5-8.5'	5/5/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
A12	11	A12-11'	5/5/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
A13	11	A13-11'	5/5/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
B12	11	B12-11'	5/5/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
B13	11	B13-11'	5/6/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
B14	11	B14-11'	5/6/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
LB6	11	LB6-11'	5/5/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
LB7	11	LB7-11'	5/5/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
LB8	11	LB8-11'	5/5/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
LB3	1D	LB3-1'-D	5/6/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
LB5	1D	LB5-1D	5/5/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
B4	4.5D	B4-4.5D	5/4/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
B12	5D	B12-5'D	5/5/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
A3	8.5D	A3-8.5'-D	5/4/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
A11	8.5D	A11-8.5'-D	5/5/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
B8	8.5D	B8-8.5D	5/5/2016	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	1
NP-3	12	NP-3-12	10/10/2017	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	0.23
NP-2	6	NP-2-6	10/9/2017	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	0.22
NP-1	12	NP-1-12	10/9/2017	71-55-6	1,1,1-Trichloroethane	ND	µg/kg	0.16
NP-4	10	NP-4-10	10/11/2017	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	17
A1	1	A1-1'	5/4/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
A5B	1	A5B-1'	5/4/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
A6	1	A6-1'	5/5/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
A7	1	A7-1'	5/5/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
A8	1	A8-1'	5/5/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
A9	1	A9-1'	5/5/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
A10	1	A10-1'	5/5/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
A11	1	A11-1'	5/5/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
A12	1	A12-1'	5/5/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
A13	1	A13-1'	5/5/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
B1	1	B1-1'	5/4/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
B2	1	B2-1'	5/5/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
B3	1	B3-1'	5/4/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
B4	1	B4-1'	5/4/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
B5	1	B5-1'	5/4/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
B6	1	B6-1'	5/4/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
B8	1	B8-1'	5/5/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
B9	1	B9-1'	5/5/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
B10	1	B10-1'	5/7/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
B11	1	B11-1'	5/5/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
B12	1	B12-1'	5/5/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
B13	1	B13-1'	5/6/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
B14	1	B14-1'	5/6/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
LB1	1	LB1-1'	5/6/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
LB2	1	LB2-1'	5/6/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
LB3	1	LB3-1'	5/6/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
LB4	1	LB4-1'	5/5/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
LB5	1	LB5-1'	5/5/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
LB6	1	LB6-1'	5/5/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
LB7	1	LB7-1'	5/5/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
LB8	1	LB8-1'	5/5/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
A5	1.25	A5-1.25'	5/4/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
A7	3.5	A7-3.5'	5/5/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
B15	4	B15-4'	5/6/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
A1	4.5	A1-4.5'	5/4/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
A2	4.5	A2-4.5'	5/4/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
A3	4.5	A3-4.5'	5/4/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
A4	4.5	A4-4.5'	5/4/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
A5	4.5	A5-4.5'	5/4/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
A5B	4.5	A5B-4.5'	5/4/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
A6	4.5	A6-4.5'	5/5/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
A8	4.5	A8-4.5'	5/5/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
A9	4.5	A9-4.5'	5/5/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
A11	4.5	A11-4.5'	5/5/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
B1	4.5	B1-4.5'	5/4/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
B2	4.5	B2-4.5'	5/5/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
B3	4.5	B3-4.5'	5/4/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
B4	4.5	B4-4.5'	5/4/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
B5	4.5	B5-4.5'	5/4/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
B6	4.5	B6-4.5'	5/4/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
B7	4.5	B7-4.5'	5/5/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
B8	4.5	B8-4.5'	5/5/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
B9	4.5	B9-4.5'	5/5/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
B10	4.5	B10-4.5'	5/5/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
B11	4.5	B11-4.5'	5/5/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
LB	4.5	LB-4.5'	5/6/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
LB1	4.5	LB1-4.5'	5/6/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
LB3	4.5	LB3-4.5'	5/6/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
LB4	4.5	LB4-4.5'	5/5/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
LB5	4.5	LB5-4.5'	5/5/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
A12	5	A12-5'	5/5/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
A13	5	A13-5'	5/5/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
B12	5	B12-5'	5/5/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
B13	5	B13-5'	5/6/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
B14	5	B14-5'	5/8/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
B15	5	B15-5'	5/6/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
LB6	5	LB6-5'	5/5/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
LB7	5	LB7-5'	5/5/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
LB8	5	LB8-5'	5/5/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
A1	8.5	A1-8.5'	5/4/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
A2	8.5	A2-8.5'	5/4/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
A3	8.5	A3-8.5'	5/4/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
A4	8.5	A4-8.5'	5/4/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
A5B	8.5	A5B-8.5'	5/4/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
A6	8.5	A6-8.5'	5/5/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
A7	8.5	A7-8.5'	5/5/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
A8	8.5	A8-8.5'	5/5/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
A9	8.5	A9-8.5'	5/5/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
A11	8.5	A11-8.5'	5/5/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
B1	8.5	B1-8.5'	5/4/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
B2	8.5	B2-8.5'	5/5/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
B3	8.5	B3-8.5'	5/4/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
B4	8.5	B4-8.5'	5/4/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
B5	8.5	B5-8.5'	5/4/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
B6	8.5	B6-8.5'	5/4/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
B7	8.5	B7-8.5'	5/5/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
B8	8.5	B8-8.5'	5/5/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
B9	8.5	B9-8.5'	5/5/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
B10	8.5	B10-8.5'	5/5/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
B11	8.5	B11-8.5'	5/5/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
LB1	8.5	LB1-8.5'	5/6/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
LB2	8.5	LB2-8.5'	5/6/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
LB3	8.5	LB3-8.5'	5/6/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
LB4	8.5	LB4-8.5'	5/5/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
LB5	8.5	LB5-8.5'	5/5/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
A12	11	A12-11'	5/5/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
A13	11	A13-11'	5/5/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
B12	11	B12-11'	5/5/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
B13	11	B13-11'	5/6/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
B14	11	B14-11'	5/6/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
LB6	11	LB6-11'	5/5/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
LB7	11	LB7-11'	5/5/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
LB8	11	LB8-11'	5/5/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
LB3	1D	LB3-1'-D	5/6/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
LB5	1D	LB5-1D	5/5/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
B4	4.5D	B4-4.5D	5/4/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
B12	5D	B12-5'D	5/5/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
A3	8.5D	A3-8.5'-D	5/4/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
A11	8.5D	A11-8.5'-D	5/5/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
B8	8.5D	B8-8.5D	5/5/2016	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	1
NP-3	12	NP-3-12	10/10/2017	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	0.35
NP-2	6	NP-2-6	10/9/2017	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	0.33
NP-1	12	NP-1-12	10/9/2017	79-34-5	1,1,2,2-Tetrachloroethane	ND	µg/kg	0.25
NP-4	10	NP-4-10	10/11/2017	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	17
A1	1	A1-1'	5/4/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
A5B	1	A5B-1'	5/4/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
A6	1	A6-1'	5/5/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
A7	1	A7-1'	5/5/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
A8	1	A8-1'	5/5/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
A9	1	A9-1'	5/5/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
A10	1	A10-1'	5/5/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
A11	1	A11-1'	5/5/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
A12	1	A12-1'	5/5/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
A13	1	A13-1'	5/5/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
B1	1	B1-1'	5/4/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
B2	1	B2-1'	5/5/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
B3	1	B3-1'	5/4/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
B4	1	B4-1'	5/4/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
B5	1	B5-1'	5/4/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
B6	1	B6-1'	5/4/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
B8	1	B8-1'	5/5/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
B9	1	B9-1'	5/5/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
B10	1	B10-1'	5/7/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
B11	1	B11-1'	5/5/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
B12	1	B12-1'	5/5/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
B13	1	B13-1'	5/6/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
B14	1	B14-1'	5/6/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
B15	1	B15-1'	5/6/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
LB1	1	LB1-1'	5/6/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
LB2	1	LB2-1'	5/6/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
LB3	1	LB3-1'	5/6/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
LB4	1	LB4-1'	5/5/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
LB5	1	LB5-1'	5/5/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
LB6	1	LB6-1'	5/5/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
LB7	1	LB7-1'	5/5/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
LB8	1	LB8-1'	5/5/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
A5	1.25	A5-1.25'	5/4/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
A7	3.5	A7-3.5'	5/5/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
B15	4	B15-4'	5/6/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
A1	4.5	A1-4.5'	5/4/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
A2	4.5	A2-4.5'	5/4/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
A3	4.5	A3-4.5'	5/4/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
A4	4.5	A4-4.5'	5/4/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
A5	4.5	A5-4.5'	5/4/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
A5B	4.5	A5B-4.5'	5/4/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
A6	4.5	A6-4.5'	5/5/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
A8	4.5	A8-4.5'	5/5/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
A9	4.5	A9-4.5'	5/5/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
A11	4.5	A11-4.5'	5/5/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
B1	4.5	B1-4.5'	5/4/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
B2	4.5	B2-4.5'	5/5/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
B3	4.5	B3-4.5'	5/4/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
B4	4.5	B4-4.5'	5/4/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
B5	4.5	B5-4.5'	5/4/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
B6	4.5	B6-4.5'	5/4/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
B7	4.5	B7-4.5'	5/5/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
B8	4.5	B8-4.5'	5/5/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
B9	4.5	B9-4.5'	5/5/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
B10	4.5	B10-4.5'	5/5/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
B11	4.5	B11-4.5'	5/5/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
LB	4.5	LB-4.5'	5/6/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
LB1	4.5	LB1-4.5'	5/6/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
LB3	4.5	LB3-4.5'	5/6/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
LB4	4.5	LB4-4.5'	5/5/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
LB5	4.5	LB5-4.5'	5/5/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
A12	5	A12-5'	5/5/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
A13	5	A13-5'	5/5/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
B12	5	B12-5'	5/5/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
B13	5	B13-5'	5/6/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
B14	5	B14-5'	5/8/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
B15	5	B15-5'	5/6/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
LB6	5	LB6-5'	5/5/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
LB7	5	LB7-5'	5/5/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
LB8	5	LB8-5'	5/5/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
A1	8.5	A1-8.5'	5/4/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
A2	8.5	A2-8.5'	5/4/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
A3	8.5	A3-8.5'	5/4/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
A4	8.5	A4-8.5'	5/4/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
A5B	8.5	A5B-8.5'	5/4/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
A6	8.5	A6-8.5'	5/5/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
A7	8.5	A7-8.5'	5/5/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
A8	8.5	A8-8.5'	5/5/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
A9	8.5	A9-8.5'	5/5/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
A11	8.5	A11-8.5'	5/5/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
B1	8.5	B1-8.5'	5/4/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
B2	8.5	B2-8.5'	5/5/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
B3	8.5	B3-8.5'	5/4/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
B4	8.5	B4-8.5'	5/4/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
B5	8.5	B5-8.5'	5/4/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
B6	8.5	B6-8.5'	5/4/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
B7	8.5	B7-8.5'	5/5/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
B8	8.5	B8-8.5'	5/5/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
B9	8.5	B9-8.5'	5/5/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
B10	8.5	B10-8.5'	5/5/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
B11	8.5	B11-8.5'	5/5/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
LB1	8.5	LB1-8.5'	5/6/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
LB2	8.5	LB2-8.5'	5/6/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
LB3	8.5	LB3-8.5'	5/6/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
LB4	8.5	LB4-8.5'	5/5/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
LB5	8.5	LB5-8.5'	5/5/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
A12	11	A12-11'	5/5/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
A13	11	A13-11'	5/5/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
B12	11	B12-11'	5/5/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
B13	11	B13-11'	5/6/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
B14	11	B14-11'	5/6/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
LB6	11	LB6-11'	5/5/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
LB7	11	LB7-11'	5/5/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
LB8	11	LB8-11'	5/5/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
LB3	1D	LB3-1'-D	5/6/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
LB5	1D	LB5-1D	5/5/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
B4	4.5D	B4-4.5D	5/4/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
B12	5D	B12-5'D	5/5/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
A3	8.5D	A3-8.5'-D	5/4/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
A11	8.5D	A11-8.5'-D	5/5/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
B8	8.5D	B8-8.5D	5/5/2016	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	1
NP-3	12	NP-3-12	10/10/2017	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	0.35
NP-2	6	NP-2-6	10/9/2017	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	0.34
NP-1	12	NP-1-12	10/9/2017	79-00-5	1,1,2-Trichloroethane	ND	µg/kg	0.26
NP-4	10	NP-4-10	10/11/2017	563-58-6	1,1-dichloro-1-Propene	ND	µg/kg	16
NP-3	12	NP-3-12	10/10/2017	563-58-6	1,1-dichloro-1-Propene	ND	µg/kg	0.33
NP-2	6	NP-2-6	10/9/2017	563-58-6	1,1-dichloro-1-Propene	ND	µg/kg	0.32
NP-1	12	NP-1-12	10/9/2017	563-58-6	1,1-dichloro-1-Propene	ND	µg/kg	0.24
NP-4	10	NP-4-10	10/11/2017	75-34-3	1,1-Dichloroethane	ND	µg/kg	10
A1	1	A1-1'	5/4/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
A5B	1	A5B-1'	5/4/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
A6	1	A6-1'	5/5/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
A7	1	A7-1'	5/5/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
A8	1	A8-1'	5/5/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
A9	1	A9-1'	5/5/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
A10	1	A10-1'	5/5/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
A11	1	A11-1'	5/5/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
A12	1	A12-1'	5/5/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
A13	1	A13-1'	5/5/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
B1	1	B1-1'	5/4/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
B2	1	B2-1'	5/5/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
B3	1	B3-1'	5/4/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
B4	1	B4-1'	5/4/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
B5	1	B5-1'	5/4/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
B6	1	B6-1'	5/4/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
B8	1	B8-1'	5/5/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
B9	1	B9-1'	5/5/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
B10	1	B10-1'	5/7/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
B11	1	B11-1'	5/5/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
B12	1	B12-1'	5/5/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
B13	1	B13-1'	5/6/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
B14	1	B14-1'	5/6/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
B15	1	B15-1'	5/6/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
LB1	1	LB1-1'	5/6/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
LB2	1	LB2-1'	5/6/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
LB3	1	LB3-1'	5/6/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
LB4	1	LB4-1'	5/5/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
LB5	1	LB5-1'	5/5/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
LB6	1	LB6-1'	5/5/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
LB7	1	LB7-1'	5/5/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
LB8	1	LB8-1'	5/5/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
A5	1.25	A5-1.25'	5/4/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
A7	3.5	A7-3.5'	5/5/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
B15	4	B15-4'	5/6/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
A1	4.5	A1-4.5'	5/4/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
A2	4.5	A2-4.5'	5/4/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
A3	4.5	A3-4.5'	5/4/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
A4	4.5	A4-4.5'	5/4/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
A5	4.5	A5-4.5'	5/4/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
A5B	4.5	A5B-4.5'	5/4/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
A6	4.5	A6-4.5'	5/5/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
A8	4.5	A8-4.5'	5/5/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
A9	4.5	A9-4.5'	5/5/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
A11	4.5	A11-4.5'	5/5/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
B1	4.5	B1-4.5'	5/4/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
B2	4.5	B2-4.5'	5/5/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
B3	4.5	B3-4.5'	5/4/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
B4	4.5	B4-4.5'	5/4/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
B5	4.5	B5-4.5'	5/4/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
B6	4.5	B6-4.5'	5/4/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
B7	4.5	B7-4.5'	5/5/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
B8	4.5	B8-4.5'	5/5/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
B9	4.5	B9-4.5'	5/5/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
B10	4.5	B10-4.5'	5/5/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
B11	4.5	B11-4.5'	5/5/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
LB	4.5	LB-4.5'	5/6/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
LB1	4.5	LB1-4.5'	5/6/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
LB3	4.5	LB3-4.5'	5/6/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
LB4	4.5	LB4-4.5'	5/5/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
LB5	4.5	LB5-4.5'	5/5/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
A12	5	A12-5'	5/5/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
A13	5	A13-5'	5/5/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
B12	5	B12-5'	5/5/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
B13	5	B13-5'	5/6/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
B14	5	B14-5'	5/8/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
B15	5	B15-5'	5/6/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
LB6	5	LB6-5'	5/5/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
LB7	5	LB7-5'	5/5/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
LB8	5	LB8-5'	5/5/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
A1	8.5	A1-8.5'	5/4/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
A2	8.5	A2-8.5'	5/4/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
A3	8.5	A3-8.5'	5/4/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
A4	8.5	A4-8.5'	5/4/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
A5B	8.5	A5B-8.5'	5/4/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
A6	8.5	A6-8.5'	5/5/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
A7	8.5	A7-8.5'	5/5/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
A8	8.5	A8-8.5'	5/5/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
A9	8.5	A9-8.5'	5/5/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
A11	8.5	A11-8.5'	5/5/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
B1	8.5	B1-8.5'	5/4/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
B2	8.5	B2-8.5'	5/5/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
B3	8.5	B3-8.5'	5/4/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
B4	8.5	B4-8.5'	5/4/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
B5	8.5	B5-8.5'	5/4/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
B6	8.5	B6-8.5'	5/4/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
B7	8.5	B7-8.5'	5/5/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
B8	8.5	B8-8.5'	5/5/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
B9	8.5	B9-8.5'	5/5/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
B10	8.5	B10-8.5'	5/5/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
B11	8.5	B11-8.5'	5/5/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
LB1	8.5	LB1-8.5'	5/6/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
LB2	8.5	LB2-8.5'	5/6/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
LB3	8.5	LB3-8.5'	5/6/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
LB4	8.5	LB4-8.5'	5/5/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
LB5	8.5	LB5-8.5'	5/5/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
A12	11	A12-11'	5/5/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
A13	11	A13-11'	5/5/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
B12	11	B12-11'	5/5/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
B13	11	B13-11'	5/6/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
B14	11	B14-11'	5/6/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
LB6	11	LB6-11'	5/5/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
LB7	11	LB7-11'	5/5/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
LB8	11	LB8-11'	5/5/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
LB3	1D	LB3-1'-D	5/6/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
LB5	1D	LB5-1D	5/5/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
B4	4.5D	B4-4.5D	5/4/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
B12	5D	B12-5'D	5/5/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
A3	8.5D	A3-8.5'-D	5/4/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
A11	8.5D	A11-8.5'-D	5/5/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
B8	8.5D	B8-8.5D	5/5/2016	75-34-3	1,1-Dichloroethane	ND	µg/kg	1
NP-3	12	NP-3-12	10/10/2017	75-34-3	1,1-Dichloroethane	ND	µg/kg	0.21
NP-2	6	NP-2-6	10/9/2017	75-34-3	1,1-Dichloroethane	ND	µg/kg	0.2
NP-1	12	NP-1-12	10/9/2017	75-34-3	1,1-Dichloroethane	ND	µg/kg	0.15
NP-4	10	NP-4-10	10/11/2017	75-35-4	1,1-Dichloroethene	ND	µg/kg	17
A5B	1	A5B-1'	5/4/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
A6	1	A6-1'	5/5/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
A7	1	A7-1'	5/5/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
A8	1	A8-1'	5/5/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
A9	1	A9-1'	5/5/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
A10	1	A10-1'	5/5/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
A11	1	A11-1'	5/5/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
A12	1	A12-1'	5/5/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
A13	1	A13-1'	5/5/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
B2	1	B2-1'	5/5/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
B6	1	B6-1'	5/4/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
B8	1	B8-1'	5/5/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
B9	1	B9-1'	5/5/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
B10	1	B10-1'	5/7/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
B11	1	B11-1'	5/5/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
B12	1	B12-1'	5/5/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
B13	1	B13-1'	5/6/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
B14	1	B14-1'	5/6/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
B15	1	B15-1'	5/6/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
LB1	1	LB1-1'	5/6/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
LB2	1	LB2-1'	5/6/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
LB3	1	LB3-1'	5/6/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
LB4	1	LB4-1'	5/5/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
LB5	1	LB5-1'	5/5/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
LB6	1	LB6-1'	5/5/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
LB7	1	LB7-1'	5/5/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
LB8	1	LB8-1'	5/5/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
A5	1.25	A5-1.25'	5/4/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
A7	3.5	A7-3.5'	5/5/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
B15	4	B15-4'	5/6/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
A5	4.5	A5-4.5'	5/4/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
A5B	4.5	A5B-4.5'	5/4/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
A6	4.5	A6-4.5'	5/5/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
A8	4.5	A8-4.5'	5/5/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
A9	4.5	A9-4.5'	5/5/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
A11	4.5	A11-4.5'	5/5/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
B2	4.5	B2-4.5'	5/5/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
B6	4.5	B6-4.5'	5/4/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
B7	4.5	B7-4.5'	5/5/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
B8	4.5	B8-4.5'	5/5/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
B9	4.5	B9-4.5'	5/5/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
B10	4.5	B10-4.5'	5/5/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
B11	4.5	B11-4.5'	5/5/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
LB	4.5	LB-4.5'	5/6/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
LB1	4.5	LB1-4.5'	5/6/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
LB3	4.5	LB3-4.5'	5/6/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
LB4	4.5	LB4-4.5'	5/5/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
LB5	4.5	LB5-4.5'	5/5/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
A12	5	A12-5'	5/5/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
A13	5	A13-5'	5/5/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
B12	5	B12-5'	5/5/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
B13	5	B13-5'	5/6/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
B14	5	B14-5'	5/8/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
B15	5	B15-5'	5/6/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
LB6	5	LB6-5'	5/5/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
LB7	5	LB7-5'	5/5/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
LB8	5	LB8-5'	5/5/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
A5B	8.5	A5B-8.5'	5/4/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
A6	8.5	A6-8.5'	5/5/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
A7	8.5	A7-8.5'	5/5/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
A8	8.5	A8-8.5'	5/5/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
A9	8.5	A9-8.5'	5/5/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
A11	8.5	A11-8.5'	5/5/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
B2	8.5	B2-8.5'	5/5/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
B6	8.5	B6-8.5'	5/4/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
B7	8.5	B7-8.5'	5/5/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
B8	8.5	B8-8.5'	5/5/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
B9	8.5	B9-8.5'	5/5/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
B10	8.5	B10-8.5'	5/5/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
B11	8.5	B11-8.5'	5/5/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
LB1	8.5	LB1-8.5'	5/6/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
LB2	8.5	LB2-8.5'	5/6/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
LB3	8.5	LB3-8.5'	5/6/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
LB4	8.5	LB4-8.5'	5/5/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
LB5	8.5	LB5-8.5'	5/5/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
A12	11	A12-11'	5/5/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
A13	11	A13-11'	5/5/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
B12	11	B12-11'	5/5/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
B13	11	B13-11'	5/6/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
B14	11	B14-11'	5/6/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
LB6	11	LB6-11'	5/5/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
LB7	11	LB7-11'	5/5/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
LB8	11	LB8-11'	5/5/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
LB3	1D	LB3-1'-D	5/6/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
LB5	1D	LB5-1D	5/5/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
B12	5D	B12-5'D	5/5/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
A11	8.5D	A11-8.5'-D	5/5/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
B8	8.5D	B8-8.5D	5/5/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
NP-3	12	NP-3-12	10/10/2017	75-35-4	1,1-Dichloroethene	ND	µg/kg	0.35
NP-2	6	NP-2-6	10/9/2017	75-35-4	1,1-Dichloroethene	ND	µg/kg	0.33
NP-1	12	NP-1-12	10/9/2017	75-35-4	1,1-Dichloroethene	ND	µg/kg	0.25
A1	1	A1-1'	5/4/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
B1	1	B1-1'	5/4/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
B3	1	B3-1'	5/4/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
B4	1	B4-1'	5/4/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
B5	1	B5-1'	5/4/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
A1	4.5	A1-4.5'	5/4/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
A2	4.5	A2-4.5'	5/4/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
A3	4.5	A3-4.5'	5/4/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
A4	4.5	A4-4.5'	5/4/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
B1	4.5	B1-4.5'	5/4/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
B3	4.5	B3-4.5'	5/4/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
B4	4.5	B4-4.5'	5/4/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
B5	4.5	B5-4.5'	5/4/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
A1	8.5	A1-8.5'	5/4/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
A2	8.5	A2-8.5'	5/4/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
A3	8.5	A3-8.5'	5/4/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
A4	8.5	A4-8.5'	5/4/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
B1	8.5	B1-8.5'	5/4/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
B3	8.5	B3-8.5'	5/4/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
B4	8.5	B4-8.5'	5/4/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
B5	8.5	B5-8.5'	5/4/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
B4	4.5D	B4-4.5D	5/4/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
A3	8.5D	A3-8.5'-D	5/4/2016	75-35-4	1,1-Dichloroethene	ND	µg/kg	1
A1	1	A1-1'	5/4/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
A5B	1	A5B-1'	5/4/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
A6	1	A6-1'	5/5/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
A7	1	A7-1'	5/5/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
A8	1	A8-1'	5/5/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
A9	1	A9-1'	5/5/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
A10	1	A10-1'	5/5/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
A11	1	A11-1'	5/5/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
A12	1	A12-1'	5/5/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
A13	1	A13-1'	5/5/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
B1	1	B1-1'	5/4/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
B2	1	B2-1'	5/5/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
B3	1	B3-1'	5/4/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
B4	1	B4-1'	5/4/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
B5	1	B5-1'	5/4/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
B6	1	B6-1'	5/4/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
B8	1	B8-1'	5/5/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
B9	1	B9-1'	5/5/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
B10	1	B10-1'	5/7/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
B11	1	B11-1'	5/5/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
B12	1	B12-1'	5/5/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
B13	1	B13-1'	5/6/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
B14	1	B14-1'	5/6/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
B15	1	B15-1'	5/6/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
LB1	1	LB1-1'	5/6/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
LB2	1	LB2-1'	5/6/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
LB3	1	LB3-1'	5/6/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
LB4	1	LB4-1'	5/5/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
LB5	1	LB5-1'	5/5/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
LB6	1	LB6-1'	5/5/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
LB7	1	LB7-1'	5/5/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
LB8	1	LB8-1'	5/5/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
A5	1.25	A5-1.25'	5/4/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
A7	3.5	A7-3.5'	5/5/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
B15	4	B15-4'	5/6/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
A1	4.5	A1-4.5'	5/4/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
A2	4.5	A2-4.5'	5/4/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
A3	4.5	A3-4.5'	5/4/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
A4	4.5	A4-4.5'	5/4/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
A5	4.5	A5-4.5'	5/4/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
A5B	4.5	A5B-4.5'	5/4/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
A6	4.5	A6-4.5'	5/5/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
A8	4.5	A8-4.5'	5/5/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
A9	4.5	A9-4.5'	5/5/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
A11	4.5	A11-4.5'	5/5/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
B1	4.5	B1-4.5'	5/4/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
B2	4.5	B2-4.5'	5/5/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
B3	4.5	B3-4.5'	5/4/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
B4	4.5	B4-4.5'	5/4/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
B5	4.5	B5-4.5'	5/4/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
B6	4.5	B6-4.5'	5/4/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
B7	4.5	B7-4.5'	5/5/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
B8	4.5	B8-4.5'	5/5/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
B9	4.5	B9-4.5'	5/5/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
B10	4.5	B10-4.5'	5/5/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
B11	4.5	B11-4.5'	5/5/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
LB	4.5	LB-4.5'	5/6/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
LB1	4.5	LB1-4.5'	5/6/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
LB3	4.5	LB3-4.5'	5/6/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
LB4	4.5	LB4-4.5'	5/5/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
LB5	4.5	LB5-4.5'	5/5/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
A12	5	A12-5'	5/5/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
A13	5	A13-5'	5/5/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
B12	5	B12-5'	5/5/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
B13	5	B13-5'	5/6/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
B14	5	B14-5'	5/8/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
B15	5	B15-5'	5/6/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
LB6	5	LB6-5'	5/5/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
LB7	5	LB7-5'	5/5/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
LB8	5	LB8-5'	5/5/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
A1	8.5	A1-8.5'	5/4/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
A2	8.5	A2-8.5'	5/4/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
A3	8.5	A3-8.5'	5/4/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
A4	8.5	A4-8.5'	5/4/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
A5B	8.5	A5B-8.5'	5/4/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
A6	8.5	A6-8.5'	5/5/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
A7	8.5	A7-8.5'	5/5/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
A8	8.5	A8-8.5'	5/5/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
A9	8.5	A9-8.5'	5/5/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
A11	8.5	A11-8.5'	5/5/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
B1	8.5	B1-8.5'	5/4/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
B2	8.5	B2-8.5'	5/5/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
B3	8.5	B3-8.5'	5/4/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
B4	8.5	B4-8.5'	5/4/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
B5	8.5	B5-8.5'	5/4/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
B6	8.5	B6-8.5'	5/4/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
B7	8.5	B7-8.5'	5/5/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
B8	8.5	B8-8.5'	5/5/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
B9	8.5	B9-8.5'	5/5/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
B10	8.5	B10-8.5'	5/5/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
B11	8.5	B11-8.5'	5/5/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
LB1	8.5	LB1-8.5'	5/6/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
LB2	8.5	LB2-8.5'	5/6/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
LB3	8.5	LB3-8.5'	5/6/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
LB4	8.5	LB4-8.5'	5/5/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
LB5	8.5	LB5-8.5'	5/5/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
A12	11	A12-11'	5/5/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
A13	11	A13-11'	5/5/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
B12	11	B12-11'	5/5/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
B13	11	B13-11'	5/6/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
B14	11	B14-11'	5/6/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
LB6	11	LB6-11'	5/5/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
LB7	11	LB7-11'	5/5/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
LB8	11	LB8-11'	5/5/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
LB3	1D	LB3-1'-D	5/6/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
LB5	1D	LB5-1D	5/5/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
B4	4.5D	B4-4.5D	5/4/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
B12	5D	B12-5'D	5/5/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
A3	8.5D	A3-8.5'-D	5/4/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
A11	8.5D	A11-8.5'-D	5/5/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
B8	8.5D	B8-8.5D	5/5/2016	563-58-6	1,1-Dichloropropene	ND	µg/kg	1
NP-4	10	NP-4-10	10/11/2017	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	44
A1	1	A1-1'	5/4/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
A5B	1	A5B-1'	5/4/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
A6	1	A6-1'	5/5/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
A7	1	A7-1'	5/5/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
A8	1	A8-1'	5/5/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
A9	1	A9-1'	5/5/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
A10	1	A10-1'	5/5/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
A11	1	A11-1'	5/5/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
A12	1	A12-1'	5/5/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
A13	1	A13-1'	5/5/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
B1	1	B1-1'	5/4/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
B2	1	B2-1'	5/5/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
B3	1	B3-1'	5/4/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
B4	1	B4-1'	5/4/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
B5	1	B5-1'	5/4/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
B6	1	B6-1'	5/4/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
B8	1	B8-1'	5/5/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
B9	1	B9-1'	5/5/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
B10	1	B10-1'	5/7/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
B11	1	B11-1'	5/5/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
B12	1	B12-1'	5/5/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
B13	1	B13-1'	5/6/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
B14	1	B14-1'	5/6/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
B15	1	B15-1'	5/6/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
LB1	1	LB1-1'	5/6/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
LB2	1	LB2-1'	5/6/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
LB3	1	LB3-1'	5/6/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
LB4	1	LB4-1'	5/5/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
LB5	1	LB5-1'	5/5/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
LB6	1	LB6-1'	5/5/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
LB7	1	LB7-1'	5/5/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
LB8	1	LB8-1'	5/5/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
A5	1.25	A5-1.25'	5/4/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
A7	3.5	A7-3.5'	5/5/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
B15	4	B15-4'	5/6/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
A1	4.5	A1-4.5'	5/4/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
A2	4.5	A2-4.5'	5/4/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
A3	4.5	A3-4.5'	5/4/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
A4	4.5	A4-4.5'	5/4/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
A5	4.5	A5-4.5'	5/4/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
A5B	4.5	A5B-4.5'	5/4/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
A6	4.5	A6-4.5'	5/5/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
A8	4.5	A8-4.5'	5/5/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
A9	4.5	A9-4.5'	5/5/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
A11	4.5	A11-4.5'	5/5/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
B1	4.5	B1-4.5'	5/4/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
B2	4.5	B2-4.5'	5/5/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
B3	4.5	B3-4.5'	5/4/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
B4	4.5	B4-4.5'	5/4/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
B5	4.5	B5-4.5'	5/4/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
B6	4.5	B6-4.5'	5/4/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
B7	4.5	B7-4.5'	5/5/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
B8	4.5	B8-4.5'	5/5/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
B9	4.5	B9-4.5'	5/5/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
B10	4.5	B10-4.5'	5/5/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
B11	4.5	B11-4.5'	5/5/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
LB	4.5	LB-4.5'	5/6/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
LB1	4.5	LB1-4.5'	5/6/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
LB3	4.5	LB3-4.5'	5/6/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
LB4	4.5	LB4-4.5'	5/5/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
LB5	4.5	LB5-4.5'	5/5/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
A12	5	A12-5'	5/5/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
A13	5	A13-5'	5/5/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
B12	5	B12-5'	5/5/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
B13	5	B13-5'	5/6/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
B14	5	B14-5'	5/8/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
B15	5	B15-5'	5/6/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
LB6	5	LB6-5'	5/5/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
LB7	5	LB7-5'	5/5/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
LB8	5	LB8-5'	5/5/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
A1	8.5	A1-8.5'	5/4/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
A2	8.5	A2-8.5'	5/4/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
A3	8.5	A3-8.5'	5/4/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
A4	8.5	A4-8.5'	5/4/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
A5B	8.5	A5B-8.5'	5/4/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
A6	8.5	A6-8.5'	5/5/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
A7	8.5	A7-8.5'	5/5/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
A8	8.5	A8-8.5'	5/5/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
A9	8.5	A9-8.5'	5/5/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
A11	8.5	A11-8.5'	5/5/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
B1	8.5	B1-8.5'	5/4/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
B2	8.5	B2-8.5'	5/5/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
B3	8.5	B3-8.5'	5/4/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
B4	8.5	B4-8.5'	5/4/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
B5	8.5	B5-8.5'	5/4/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
B6	8.5	B6-8.5'	5/4/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
B7	8.5	B7-8.5'	5/5/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
B8	8.5	B8-8.5'	5/5/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
B9	8.5	B9-8.5'	5/5/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
B10	8.5	B10-8.5'	5/5/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
B11	8.5	B11-8.5'	5/5/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
LB1	8.5	LB1-8.5'	5/6/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
LB2	8.5	LB2-8.5'	5/6/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
LB3	8.5	LB3-8.5'	5/6/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
LB4	8.5	LB4-8.5'	5/5/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
LB5	8.5	LB5-8.5'	5/5/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
A12	11	A12-11'	5/5/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
A13	11	A13-11'	5/5/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
B12	11	B12-11'	5/5/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
B13	11	B13-11'	5/6/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
B14	11	B14-11'	5/6/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
LB6	11	LB6-11'	5/5/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
LB7	11	LB7-11'	5/5/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
LB8	11	LB8-11'	5/5/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
LB3	1D	LB3-1'-D	5/6/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
LB5	1D	LB5-1D	5/5/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
B4	4.5D	B4-4.5D	5/4/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
B12	5D	B12-5'D	5/5/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
A3	8.5D	A3-8.5'-D	5/4/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
A11	8.5D	A11-8.5'-D	5/5/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
B8	8.5D	B8-8.5D	5/5/2016	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	1
NP-3	12	NP-3-12	10/10/2017	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	0.91
NP-2	6	NP-2-6	10/9/2017	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	0.88
NP-1	12	NP-1-12	10/9/2017	87-61-6	1,2,3-Trichlorobenzene	ND	µg/kg	0.67
NP-4	10	NP-4-10	10/11/2017	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	40
A1	1	A1-1'	5/4/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
A5B	1	A5B-1'	5/4/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
A6	1	A6-1'	5/5/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
A7	1	A7-1'	5/5/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
A8	1	A8-1'	5/5/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
A9	1	A9-1'	5/5/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
A10	1	A10-1'	5/5/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
A11	1	A11-1'	5/5/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
A12	1	A12-1'	5/5/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
A13	1	A13-1'	5/5/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
B1	1	B1-1'	5/4/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
B2	1	B2-1'	5/5/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
B3	1	B3-1'	5/4/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
B4	1	B4-1'	5/4/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
B5	1	B5-1'	5/4/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
B6	1	B6-1'	5/4/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
B8	1	B8-1'	5/5/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
B9	1	B9-1'	5/5/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
B10	1	B10-1'	5/7/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
B11	1	B11-1'	5/5/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
B12	1	B12-1'	5/5/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
B13	1	B13-1'	5/6/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
B14	1	B14-1'	5/6/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
B15	1	B15-1'	5/6/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
LB1	1	LB1-1'	5/6/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
LB2	1	LB2-1'	5/6/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
LB3	1	LB3-1'	5/6/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
LB4	1	LB4-1'	5/5/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
LB5	1	LB5-1'	5/5/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
LB6	1	LB6-1'	5/5/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
LB7	1	LB7-1'	5/5/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
LB8	1	LB8-1'	5/5/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
A5	1.25	A5-1.25'	5/4/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
A7	3.5	A7-3.5'	5/5/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
B15	4	B15-4'	5/6/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
A1	4.5	A1-4.5'	5/4/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
A2	4.5	A2-4.5'	5/4/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
A3	4.5	A3-4.5'	5/4/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
A4	4.5	A4-4.5'	5/4/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
A5	4.5	A5-4.5'	5/4/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
A5B	4.5	A5B-4.5'	5/4/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
A6	4.5	A6-4.5'	5/5/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
A8	4.5	A8-4.5'	5/5/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
A9	4.5	A9-4.5'	5/5/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
A11	4.5	A11-4.5'	5/5/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
B1	4.5	B1-4.5'	5/4/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
B2	4.5	B2-4.5'	5/5/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
B3	4.5	B3-4.5'	5/4/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
B4	4.5	B4-4.5'	5/4/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
B5	4.5	B5-4.5'	5/4/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
B6	4.5	B6-4.5'	5/4/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
B7	4.5	B7-4.5'	5/5/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
B8	4.5	B8-4.5'	5/5/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
B9	4.5	B9-4.5'	5/5/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
B10	4.5	B10-4.5'	5/5/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
B11	4.5	B11-4.5'	5/5/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
LB	4.5	LB-4.5'	5/6/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
LB1	4.5	LB1-4.5'	5/6/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
LB3	4.5	LB3-4.5'	5/6/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
LB4	4.5	LB4-4.5'	5/5/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
LB5	4.5	LB5-4.5'	5/5/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
A12	5	A12-5'	5/5/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
A13	5	A13-5'	5/5/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
B12	5	B12-5'	5/5/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
B13	5	B13-5'	5/6/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
B14	5	B14-5'	5/8/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
B15	5	B15-5'	5/6/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
LB6	5	LB6-5'	5/5/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
LB7	5	LB7-5'	5/5/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
LB8	5	LB8-5'	5/5/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
A1	8.5	A1-8.5'	5/4/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
A2	8.5	A2-8.5'	5/4/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
A3	8.5	A3-8.5'	5/4/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
A4	8.5	A4-8.5'	5/4/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
A5B	8.5	A5B-8.5'	5/4/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
A6	8.5	A6-8.5'	5/5/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
A7	8.5	A7-8.5'	5/5/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
A8	8.5	A8-8.5'	5/5/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
A9	8.5	A9-8.5'	5/5/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
A11	8.5	A11-8.5'	5/5/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
B1	8.5	B1-8.5'	5/4/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
B2	8.5	B2-8.5'	5/5/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
B3	8.5	B3-8.5'	5/4/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
B4	8.5	B4-8.5'	5/4/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
B5	8.5	B5-8.5'	5/4/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
B6	8.5	B6-8.5'	5/4/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
B7	8.5	B7-8.5'	5/5/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
B8	8.5	B8-8.5'	5/5/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
B9	8.5	B9-8.5'	5/5/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
B10	8.5	B10-8.5'	5/5/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
B11	8.5	B11-8.5'	5/5/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
LB1	8.5	LB1-8.5'	5/6/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
LB2	8.5	LB2-8.5'	5/6/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
LB3	8.5	LB3-8.5'	5/6/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
LB4	8.5	LB4-8.5'	5/5/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
LB5	8.5	LB5-8.5'	5/5/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
A12	11	A12-11'	5/5/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
A13	11	A13-11'	5/5/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
B12	11	B12-11'	5/5/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
B13	11	B13-11'	5/6/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
B14	11	B14-11'	5/6/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
LB6	11	LB6-11'	5/5/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
LB7	11	LB7-11'	5/5/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
LB8	11	LB8-11'	5/5/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
LB3	1D	LB3-1'-D	5/6/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
LB5	1D	LB5-1D	5/5/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
B4	4.5D	B4-4.5D	5/4/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
B12	5D	B12-5'D	5/5/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
A3	8.5D	A3-8.5'-D	5/4/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
A11	8.5D	A11-8.5'-D	5/5/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
B8	8.5D	B8-8.5D	5/5/2016	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	1
NP-3	12	NP-3-12	10/10/2017	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	0.83
NP-2	6	NP-2-6	10/9/2017	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	0.8
NP-1	12	NP-1-12	10/9/2017	96-18-4	1,2,3-Trichloropropane	ND	µg/kg	0.61
NP-4	10	NP-4-10	10/11/2017	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	15
A1	1	A1-1'	5/4/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
A5B	1	A5B-1'	5/4/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
A6	1	A6-1'	5/5/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
A7	1	A7-1'	5/5/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
A8	1	A8-1'	5/5/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
A9	1	A9-1'	5/5/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
A10	1	A10-1'	5/5/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
A11	1	A11-1'	5/5/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
A12	1	A12-1'	5/5/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
A13	1	A13-1'	5/5/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
B1	1	B1-1'	5/4/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
B2	1	B2-1'	5/5/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
B3	1	B3-1'	5/4/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
B4	1	B4-1'	5/4/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
B5	1	B5-1'	5/4/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
B6	1	B6-1'	5/4/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
B8	1	B8-1'	5/5/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
B9	1	B9-1'	5/5/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
B10	1	B10-1'	5/7/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
B11	1	B11-1'	5/5/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
B12	1	B12-1'	5/5/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
B13	1	B13-1'	5/6/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
B14	1	B14-1'	5/6/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
B15	1	B15-1'	5/6/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
LB1	1	LB1-1'	5/6/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
LB2	1	LB2-1'	5/6/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
LB3	1	LB3-1'	5/6/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
LB4	1	LB4-1'	5/5/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
LB5	1	LB5-1'	5/5/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
LB6	1	LB6-1'	5/5/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
LB7	1	LB7-1'	5/5/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
LB8	1	LB8-1'	5/5/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
A5	1.25	A5-1.25'	5/4/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
A7	3.5	A7-3.5'	5/5/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
B15	4	B15-4'	5/6/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
A1	4.5	A1-4.5'	5/4/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
A2	4.5	A2-4.5'	5/4/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
A3	4.5	A3-4.5'	5/4/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
A4	4.5	A4-4.5'	5/4/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
A5	4.5	A5-4.5'	5/4/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
A5B	4.5	A5B-4.5'	5/4/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
A6	4.5	A6-4.5'	5/5/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
A8	4.5	A8-4.5'	5/5/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
A9	4.5	A9-4.5'	5/5/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
A11	4.5	A11-4.5'	5/5/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
B1	4.5	B1-4.5'	5/4/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
B2	4.5	B2-4.5'	5/5/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
B3	4.5	B3-4.5'	5/4/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
B4	4.5	B4-4.5'	5/4/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
B5	4.5	B5-4.5'	5/4/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
B6	4.5	B6-4.5'	5/4/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
B7	4.5	B7-4.5'	5/5/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
B8	4.5	B8-4.5'	5/5/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
B9	4.5	B9-4.5'	5/5/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
B10	4.5	B10-4.5'	5/5/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
B11	4.5	B11-4.5'	5/5/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
LB	4.5	LB-4.5'	5/6/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
LB1	4.5	LB1-4.5'	5/6/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
LB3	4.5	LB3-4.5'	5/6/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
LB4	4.5	LB4-4.5'	5/5/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
LB5	4.5	LB5-4.5'	5/5/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
A12	5	A12-5'	5/5/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
A13	5	A13-5'	5/5/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
B12	5	B12-5'	5/5/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
B13	5	B13-5'	5/6/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
B14	5	B14-5'	5/8/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
B15	5	B15-5'	5/6/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
LB6	5	LB6-5'	5/5/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
LB7	5	LB7-5'	5/5/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
LB8	5	LB8-5'	5/5/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
A1	8.5	A1-8.5'	5/4/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
A2	8.5	A2-8.5'	5/4/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
A3	8.5	A3-8.5'	5/4/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
A4	8.5	A4-8.5'	5/4/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
A5B	8.5	A5B-8.5'	5/4/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
A6	8.5	A6-8.5'	5/5/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
A7	8.5	A7-8.5'	5/5/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
A8	8.5	A8-8.5'	5/5/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
A9	8.5	A9-8.5'	5/5/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
A11	8.5	A11-8.5'	5/5/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
B1	8.5	B1-8.5'	5/4/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
B2	8.5	B2-8.5'	5/5/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
B3	8.5	B3-8.5'	5/4/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
B4	8.5	B4-8.5'	5/4/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
B5	8.5	B5-8.5'	5/4/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
B6	8.5	B6-8.5'	5/4/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
B7	8.5	B7-8.5'	5/5/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
B8	8.5	B8-8.5'	5/5/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
B9	8.5	B9-8.5'	5/5/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
B10	8.5	B10-8.5'	5/5/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
B11	8.5	B11-8.5'	5/5/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
LB1	8.5	LB1-8.5'	5/6/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
LB2	8.5	LB2-8.5'	5/6/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
LB3	8.5	LB3-8.5'	5/6/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
LB4	8.5	LB4-8.5'	5/5/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
LB5	8.5	LB5-8.5'	5/5/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
A12	11	A12-11'	5/5/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
A13	11	A13-11'	5/5/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
B12	11	B12-11'	5/5/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
B13	11	B13-11'	5/6/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
B14	11	B14-11'	5/6/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
LB6	11	LB6-11'	5/5/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
LB7	11	LB7-11'	5/5/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
LB8	11	LB8-11'	5/5/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
LB3	1D	LB3-1'-D	5/6/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
LB5	1D	LB5-1D	5/5/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
B4	4.5D	B4-4.5D	5/4/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
B12	5D	B12-5'D	5/5/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
A3	8.5D	A3-8.5'-D	5/4/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
A11	8.5D	A11-8.5'-D	5/5/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1
B8	8.5D	B8-8.5D	5/5/2016	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	1

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
NP-3	12	NP-3-12	10/10/2017	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	0.31
NP-2	6	NP-2-6	10/9/2017	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	0.3
NP-1	12	NP-1-12	10/9/2017	120-82-1	1,2,4-Trichlorobenzene	ND	µg/kg	0.23
A1	1	A1-1'	5/4/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
A5B	1	A5B-1'	5/4/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
A6	1	A6-1'	5/5/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
A7	1	A7-1'	5/5/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
A8	1	A8-1'	5/5/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
A9	1	A9-1'	5/5/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
A10	1	A10-1'	5/5/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
A11	1	A11-1'	5/5/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
A12	1	A12-1'	5/5/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
A13	1	A13-1'	5/5/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
B1	1	B1-1'	5/4/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
B2	1	B2-1'	5/5/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
B3	1	B3-1'	5/4/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
B4	1	B4-1'	5/4/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
B5	1	B5-1'	5/4/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
B6	1	B6-1'	5/4/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
B8	1	B8-1'	5/5/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
B9	1	B9-1'	5/5/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
B10	1	B10-1'	5/7/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
B11	1	B11-1'	5/5/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
B12	1	B12-1'	5/5/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
B13	1	B13-1'	5/6/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
B14	1	B14-1'	5/6/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
B15	1	B15-1'	5/6/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
LB1	1	LB1-1'	5/6/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
LB2	1	LB2-1'	5/6/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
LB3	1	LB3-1'	5/6/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
LB4	1	LB4-1'	5/5/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
LB5	1	LB5-1'	5/5/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
LB6	1	LB6-1'	5/5/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
LB7	1	LB7-1'	5/5/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
LB8	1	LB8-1'	5/5/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
A5	1.25	A5-1.25'	5/4/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
A7	3.5	A7-3.5'	5/5/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
B15	4	B15-4'	5/6/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
A1	4.5	A1-4.5'	5/4/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
A2	4.5	A2-4.5'	5/4/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
A3	4.5	A3-4.5'	5/4/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
A4	4.5	A4-4.5'	5/4/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
A5	4.5	A5-4.5'	5/4/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
A5B	4.5	A5B-4.5'	5/4/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
A6	4.5	A6-4.5'	5/5/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
A8	4.5	A8-4.5'	5/5/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
A9	4.5	A9-4.5'	5/5/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
A11	4.5	A11-4.5'	5/5/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
B1	4.5	B1-4.5'	5/4/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
B2	4.5	B2-4.5'	5/5/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
B3	4.5	B3-4.5'	5/4/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
B4	4.5	B4-4.5'	5/4/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
B5	4.5	B5-4.5'	5/4/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
B6	4.5	B6-4.5'	5/4/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
B7	4.5	B7-4.5'	5/5/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
B8	4.5	B8-4.5'	5/5/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
B9	4.5	B9-4.5'	5/5/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
B10	4.5	B10-4.5'	5/5/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
B11	4.5	B11-4.5'	5/5/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
LB	4.5	LB-4.5'	5/6/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
LB1	4.5	LB1-4.5'	5/6/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
LB3	4.5	LB3-4.5'	5/6/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
LB4	4.5	LB4-4.5'	5/5/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
LB5	4.5	LB5-4.5'	5/5/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
A12	5	A12-5'	5/5/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
A13	5	A13-5'	5/5/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
B12	5	B12-5'	5/5/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
B13	5	B13-5'	5/6/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
B14	5	B14-5'	5/8/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
B15	5	B15-5'	5/6/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
LB6	5	LB6-5'	5/5/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
LB7	5	LB7-5'	5/5/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
LB8	5	LB8-5'	5/5/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
A1	8.5	A1-8.5'	5/4/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
A2	8.5	A2-8.5'	5/4/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
A3	8.5	A3-8.5'	5/4/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
A4	8.5	A4-8.5'	5/4/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
A5B	8.5	A5B-8.5'	5/4/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
A6	8.5	A6-8.5'	5/5/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
A7	8.5	A7-8.5'	5/5/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
A8	8.5	A8-8.5'	5/5/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
A9	8.5	A9-8.5'	5/5/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
A11	8.5	A11-8.5'	5/5/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
B1	8.5	B1-8.5'	5/4/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
B2	8.5	B2-8.5'	5/5/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
B3	8.5	B3-8.5'	5/4/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
B4	8.5	B4-8.5'	5/4/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
B5	8.5	B5-8.5'	5/4/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
B6	8.5	B6-8.5'	5/4/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
B7	8.5	B7-8.5'	5/5/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
B8	8.5	B8-8.5'	5/5/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
B9	8.5	B9-8.5'	5/5/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
B10	8.5	B10-8.5'	5/5/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
B11	8.5	B11-8.5'	5/5/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
LB1	8.5	LB1-8.5'	5/6/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
LB2	8.5	LB2-8.5'	5/6/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
LB3	8.5	LB3-8.5'	5/6/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
LB4	8.5	LB4-8.5'	5/5/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
LB5	8.5	LB5-8.5'	5/5/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
A12	11	A12-11'	5/5/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
A13	11	A13-11'	5/5/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
B12	11	B12-11'	5/5/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
B13	11	B13-11'	5/6/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
B14	11	B14-11'	5/6/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
LB6	11	LB6-11'	5/5/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
LB7	11	LB7-11'	5/5/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
LB8	11	LB8-11'	5/5/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
LB3	1D	LB3-1'-D	5/6/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
LB5	1D	LB5-1D	5/5/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
B4	4.5D	B4-4.5D	5/4/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
B12	5D	B12-5'D	5/5/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
A3	8.5D	A3-8.5'-D	5/4/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
A11	8.5D	A11-8.5'-D	5/5/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
B8	8.5D	B8-8.5D	5/5/2016	95-63-6	1,2,4-Trimethylbenzene	ND	µg/kg	1
NP-4	10	NP-4-10	10/11/2017	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	85
NP-2	6	NP-2-6	10/9/2017	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1.7
NP-3	12	NP-3-12	10/10/2017	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1.7
NP-1	12	NP-1-12	10/9/2017	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1.3
A5B	1	A5B-1'	5/4/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
A6	1	A6-1'	5/5/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
A7	1	A7-1'	5/5/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
A8	1	A8-1'	5/5/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
A9	1	A9-1'	5/5/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
A10	1	A10-1'	5/5/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
A11	1	A11-1'	5/5/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
A12	1	A12-1'	5/5/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
A13	1	A13-1'	5/5/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
B2	1	B2-1'	5/5/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
B6	1	B6-1'	5/4/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
B8	1	B8-1'	5/5/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
B9	1	B9-1'	5/5/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
B10	1	B10-1'	5/7/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
B11	1	B11-1'	5/5/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
B12	1	B12-1'	5/5/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
B13	1	B13-1'	5/6/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
B14	1	B14-1'	5/6/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
B15	1	B15-1'	5/6/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
LB1	1	LB1-1'	5/6/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
LB2	1	LB2-1'	5/6/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
LB3	1	LB3-1'	5/6/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
LB4	1	LB4-1'	5/5/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
LB5	1	LB5-1'	5/5/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
LB6	1	LB6-1'	5/5/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
LB7	1	LB7-1'	5/5/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
LB8	1	LB8-1'	5/5/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
A5	1.25	A5-1.25'	5/4/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
A7	3.5	A7-3.5'	5/5/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
B15	4	B15-4'	5/6/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
A5	4.5	A5-4.5'	5/4/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
A5B	4.5	A5B-4.5'	5/4/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
A6	4.5	A6-4.5'	5/5/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
A8	4.5	A8-4.5'	5/5/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
A9	4.5	A9-4.5'	5/5/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
A11	4.5	A11-4.5'	5/5/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
B2	4.5	B2-4.5'	5/5/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
B6	4.5	B6-4.5'	5/4/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
B7	4.5	B7-4.5'	5/5/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
B8	4.5	B8-4.5'	5/5/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
B9	4.5	B9-4.5'	5/5/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
B10	4.5	B10-4.5'	5/5/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
B11	4.5	B11-4.5'	5/5/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
LB	4.5	LB-4.5'	5/6/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
LB1	4.5	LB1-4.5'	5/6/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
LB3	4.5	LB3-4.5'	5/6/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
LB4	4.5	LB4-4.5'	5/5/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
LB5	4.5	LB5-4.5'	5/5/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
A12	5	A12-5'	5/5/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
A13	5	A13-5'	5/5/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
B12	5	B12-5'	5/5/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
B13	5	B13-5'	5/6/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
B14	5	B14-5'	5/8/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
B15	5	B15-5'	5/6/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
LB6	5	LB6-5'	5/5/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
LB7	5	LB7-5'	5/5/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
LB8	5	LB8-5'	5/5/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
A5B	8.5	A5B-8.5'	5/4/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
A6	8.5	A6-8.5'	5/5/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
A7	8.5	A7-8.5'	5/5/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
A8	8.5	A8-8.5'	5/5/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
A9	8.5	A9-8.5'	5/5/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
A11	8.5	A11-8.5'	5/5/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
B2	8.5	B2-8.5'	5/5/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
B6	8.5	B6-8.5'	5/4/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
B7	8.5	B7-8.5'	5/5/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
B8	8.5	B8-8.5'	5/5/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
B9	8.5	B9-8.5'	5/5/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
B10	8.5	B10-8.5'	5/5/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
B11	8.5	B11-8.5'	5/5/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
LB1	8.5	LB1-8.5'	5/6/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
LB2	8.5	LB2-8.5'	5/6/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
LB3	8.5	LB3-8.5'	5/6/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
LB4	8.5	LB4-8.5'	5/5/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
LB5	8.5	LB5-8.5'	5/5/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
A12	11	A12-11'	5/5/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
A13	11	A13-11'	5/5/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
B12	11	B12-11'	5/5/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
B13	11	B13-11'	5/6/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
B14	11	B14-11'	5/6/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
LB6	11	LB6-11'	5/5/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
LB7	11	LB7-11'	5/5/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
LB8	11	LB8-11'	5/5/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
LB3	1D	LB3-1'-D	5/6/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
LB5	1D	LB5-1D	5/5/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
B12	5D	B12-5'D	5/5/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
A11	8.5D	A11-8.5'-D	5/5/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
B8	8.5D	B8-8.5D	5/5/2016	96-12-8	1,2-Dibromo-3-Chloropropane	ND	µg/kg	1
A1	1	A1-1'	5/4/2016	96-12-8	1,2-Dibromo-3-chloropropane	ND	µg/kg	1
B1	1	B1-1'	5/4/2016	96-12-8	1,2-Dibromo-3-chloropropane	ND	µg/kg	1

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
B3	1	B3-1'	5/4/2016	96-12-8	1,2-Dibromo-3-chloropropane	ND	µg/kg	1
B4	1	B4-1'	5/4/2016	96-12-8	1,2-Dibromo-3-chloropropane	ND	µg/kg	1
B5	1	B5-1'	5/4/2016	96-12-8	1,2-Dibromo-3-chloropropane	ND	µg/kg	1
A1	4.5	A1-4.5'	5/4/2016	96-12-8	1,2-Dibromo-3-chloropropane	ND	µg/kg	1
A2	4.5	A2-4.5'	5/4/2016	96-12-8	1,2-Dibromo-3-chloropropane	ND	µg/kg	1
A3	4.5	A3-4.5'	5/4/2016	96-12-8	1,2-Dibromo-3-chloropropane	ND	µg/kg	1
A4	4.5	A4-4.5'	5/4/2016	96-12-8	1,2-Dibromo-3-chloropropane	ND	µg/kg	1
B1	4.5	B1-4.5'	5/4/2016	96-12-8	1,2-Dibromo-3-chloropropane	ND	µg/kg	1
B3	4.5	B3-4.5'	5/4/2016	96-12-8	1,2-Dibromo-3-chloropropane	ND	µg/kg	1
B4	4.5	B4-4.5'	5/4/2016	96-12-8	1,2-Dibromo-3-chloropropane	ND	µg/kg	1
B5	4.5	B5-4.5'	5/4/2016	96-12-8	1,2-Dibromo-3-chloropropane	ND	µg/kg	1
A1	8.5	A1-8.5'	5/4/2016	96-12-8	1,2-Dibromo-3-chloropropane	ND	µg/kg	1
A2	8.5	A2-8.5'	5/4/2016	96-12-8	1,2-Dibromo-3-chloropropane	ND	µg/kg	1
A3	8.5	A3-8.5'	5/4/2016	96-12-8	1,2-Dibromo-3-chloropropane	ND	µg/kg	1
A4	8.5	A4-8.5'	5/4/2016	96-12-8	1,2-Dibromo-3-chloropropane	ND	µg/kg	1
B1	8.5	B1-8.5'	5/4/2016	96-12-8	1,2-Dibromo-3-chloropropane	ND	µg/kg	1
B3	8.5	B3-8.5'	5/4/2016	96-12-8	1,2-Dibromo-3-chloropropane	ND	µg/kg	1
B4	8.5	B4-8.5'	5/4/2016	96-12-8	1,2-Dibromo-3-chloropropane	ND	µg/kg	1
B5	8.5	B5-8.5'	5/4/2016	96-12-8	1,2-Dibromo-3-chloropropane	ND	µg/kg	1
B4	4.5D	B4-4.5D	5/4/2016	96-12-8	1,2-Dibromo-3-chloropropane	ND	µg/kg	1
A3	8.5D	A3-8.5'-D	5/4/2016	96-12-8	1,2-Dibromo-3-chloropropane	ND	µg/kg	1
NP-4	10	NP-4-10	10/11/2017	106-93-4	1,2-Dibromoethane	ND	µg/kg	12
NP-3	12	NP-3-12	10/10/2017	106-93-4	1,2-Dibromoethane	ND	µg/kg	0.26
NP-2	6	NP-2-6	10/9/2017	106-93-4	1,2-Dibromoethane	ND	µg/kg	0.25
NP-1	12	NP-1-12	10/9/2017	106-93-4	1,2-Dibromoethane	ND	µg/kg	0.19
A1	1	A1-1'	5/4/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
A5B	1	A5B-1'	5/4/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
A6	1	A6-1'	5/5/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
A7	1	A7-1'	5/5/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
A8	1	A8-1'	5/5/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
A9	1	A9-1'	5/5/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
A10	1	A10-1'	5/5/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
A11	1	A11-1'	5/5/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
A12	1	A12-1'	5/5/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
A13	1	A13-1'	5/5/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
B1	1	B1-1'	5/4/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
B2	1	B2-1'	5/5/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
B3	1	B3-1'	5/4/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
B4	1	B4-1'	5/4/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
B6	1	B6-1'	5/4/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
B8	1	B8-1'	5/5/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
B9	1	B9-1'	5/5/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
B10	1	B10-1'	5/7/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
B11	1	B11-1'	5/5/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
B12	1	B12-1'	5/5/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
B13	1	B13-1'	5/6/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
B14	1	B14-1'	5/6/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
B15	1	B15-1'	5/6/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
LB1	1	LB1-1'	5/6/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
LB2	1	LB2-1'	5/6/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
LB3	1	LB3-1'	5/6/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
LB4	1	LB4-1'	5/5/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
LB5	1	LB5-1'	5/5/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
LB6	1	LB6-1'	5/5/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
LB7	1	LB7-1'	5/5/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
LB8	1	LB8-1'	5/5/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
A5	1.25	A5-1.25'	5/4/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
A7	3.5	A7-3.5'	5/5/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
B15	4	B15-4'	5/6/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
A1	4.5	A1-4.5'	5/4/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
A2	4.5	A2-4.5'	5/4/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
A3	4.5	A3-4.5'	5/4/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
A4	4.5	A4-4.5'	5/4/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
A5	4.5	A5-4.5'	5/4/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
A5B	4.5	A5B-4.5'	5/4/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
A6	4.5	A6-4.5'	5/5/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
A8	4.5	A8-4.5'	5/5/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
A9	4.5	A9-4.5'	5/5/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
A11	4.5	A11-4.5'	5/5/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
B1	4.5	B1-4.5'	5/4/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
B2	4.5	B2-4.5'	5/5/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
B3	4.5	B3-4.5'	5/4/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
B6	4.5	B6-4.5'	5/4/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
B7	4.5	B7-4.5'	5/5/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
B8	4.5	B8-4.5'	5/5/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
B9	4.5	B9-4.5'	5/5/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
B10	4.5	B10-4.5'	5/5/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
B11	4.5	B11-4.5'	5/5/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
LB	4.5	LB-4.5'	5/6/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
LB1	4.5	LB1-4.5'	5/6/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
LB3	4.5	LB3-4.5'	5/6/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
LB4	4.5	LB4-4.5'	5/5/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
LB5	4.5	LB5-4.5'	5/5/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
A12	5	A12-5'	5/5/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
A13	5	A13-5'	5/5/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
B12	5	B12-5'	5/5/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
B13	5	B13-5'	5/6/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
B14	5	B14-5'	5/8/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
B15	5	B15-5'	5/6/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
LB6	5	LB6-5'	5/5/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
LB7	5	LB7-5'	5/5/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
LB8	5	LB8-5'	5/5/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
A1	8.5	A1-8.5'	5/4/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
A2	8.5	A2-8.5'	5/4/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
A3	8.5	A3-8.5'	5/4/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
A4	8.5	A4-8.5'	5/4/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
A5B	8.5	A5B-8.5'	5/4/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
A6	8.5	A6-8.5'	5/5/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
A7	8.5	A7-8.5'	5/5/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
A8	8.5	A8-8.5'	5/5/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
A9	8.5	A9-8.5'	5/5/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
A11	8.5	A11-8.5'	5/5/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
B1	8.5	B1-8.5'	5/4/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
B2	8.5	B2-8.5'	5/5/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
B3	8.5	B3-8.5'	5/4/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
B6	8.5	B6-8.5'	5/4/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
B7	8.5	B7-8.5'	5/5/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
B8	8.5	B8-8.5'	5/5/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
B9	8.5	B9-8.5'	5/5/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
B10	8.5	B10-8.5'	5/5/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
B11	8.5	B11-8.5'	5/5/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
LB1	8.5	LB1-8.5'	5/6/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
LB2	8.5	LB2-8.5'	5/6/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
LB3	8.5	LB3-8.5'	5/6/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
LB4	8.5	LB4-8.5'	5/5/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
LB5	8.5	LB5-8.5'	5/5/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
A12	11	A12-11'	5/5/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
A13	11	A13-11'	5/5/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
B12	11	B12-11'	5/5/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
B13	11	B13-11'	5/6/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
B14	11	B14-11'	5/6/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
LB6	11	LB6-11'	5/5/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
LB7	11	LB7-11'	5/5/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
LB8	11	LB8-11'	5/5/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
LB3	1D	LB3-1'-D	5/6/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
LB5	1D	LB5-1D	5/5/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
B12	5D	B12-5'D	5/5/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
A3	8.5D	A3-8.5'-D	5/4/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
A11	8.5D	A11-8.5'-D	5/5/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
B8	8.5D	B8-8.5D	5/5/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
B5	1	B5-1'	5/4/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
B4	4.5	B4-4.5'	5/4/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
B5	4.5	B5-4.5'	5/4/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
B4	8.5	B4-8.5'	5/4/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
B5	8.5	B5-8.5'	5/4/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
B4	4.5D	B4-4.5D	5/4/2016	106-93-4	1,2-Dibromoethane (EDB)	ND	µg/kg	1
NP-4	10	NP-4-10	10/11/2017	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	11
A1	1	A1-1'	5/4/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
A5B	1	A5B-1'	5/4/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
A6	1	A6-1'	5/5/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
A7	1	A7-1'	5/5/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
A8	1	A8-1'	5/5/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
A9	1	A9-1'	5/5/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
A10	1	A10-1'	5/5/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
A11	1	A11-1'	5/5/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
A12	1	A12-1'	5/5/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
A13	1	A13-1'	5/5/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
B1	1	B1-1'	5/4/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
B2	1	B2-1'	5/5/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
B3	1	B3-1'	5/4/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
B4	1	B4-1'	5/4/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
B5	1	B5-1'	5/4/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
B6	1	B6-1'	5/4/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
B8	1	B8-1'	5/5/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
B9	1	B9-1'	5/5/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
B10	1	B10-1'	5/7/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
B11	1	B11-1'	5/5/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
B12	1	B12-1'	5/5/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
B13	1	B13-1'	5/6/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
B14	1	B14-1'	5/6/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
B15	1	B15-1'	5/6/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
LB1	1	LB1-1'	5/6/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
LB2	1	LB2-1'	5/6/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
LB3	1	LB3-1'	5/6/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
LB4	1	LB4-1'	5/5/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
LB5	1	LB5-1'	5/5/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
LB6	1	LB6-1'	5/5/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
LB7	1	LB7-1'	5/5/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
LB8	1	LB8-1'	5/5/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
A5	1.25	A5-1.25'	5/4/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
A7	3.5	A7-3.5'	5/5/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
B15	4	B15-4'	5/6/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
A1	4.5	A1-4.5'	5/4/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
A2	4.5	A2-4.5'	5/4/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
A3	4.5	A3-4.5'	5/4/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
A4	4.5	A4-4.5'	5/4/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
A5	4.5	A5-4.5'	5/4/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
A5B	4.5	A5B-4.5'	5/4/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
A6	4.5	A6-4.5'	5/5/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
A8	4.5	A8-4.5'	5/5/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
A9	4.5	A9-4.5'	5/5/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
A11	4.5	A11-4.5'	5/5/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
B1	4.5	B1-4.5'	5/4/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
B2	4.5	B2-4.5'	5/5/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
B3	4.5	B3-4.5'	5/4/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
B4	4.5	B4-4.5'	5/4/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
B5	4.5	B5-4.5'	5/4/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
B6	4.5	B6-4.5'	5/4/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
B7	4.5	B7-4.5'	5/5/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
B8	4.5	B8-4.5'	5/5/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
B9	4.5	B9-4.5'	5/5/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
B10	4.5	B10-4.5'	5/5/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
B11	4.5	B11-4.5'	5/5/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
LB	4.5	LB-4.5'	5/6/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
LB1	4.5	LB1-4.5'	5/6/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
LB3	4.5	LB3-4.5'	5/6/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
LB4	4.5	LB4-4.5'	5/5/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
LB5	4.5	LB5-4.5'	5/5/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
A12	5	A12-5'	5/5/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
A13	5	A13-5'	5/5/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
B12	5	B12-5'	5/5/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
B13	5	B13-5'	5/6/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
B14	5	B14-5'	5/8/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
B15	5	B15-5'	5/6/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
LB6	5	LB6-5'	5/5/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
LB7	5	LB7-5'	5/5/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
LB8	5	LB8-5'	5/5/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
A1	8.5	A1-8.5'	5/4/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
A2	8.5	A2-8.5'	5/4/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
A3	8.5	A3-8.5'	5/4/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
A4	8.5	A4-8.5'	5/4/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
A5B	8.5	A5B-8.5'	5/4/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
A6	8.5	A6-8.5'	5/5/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
A7	8.5	A7-8.5'	5/5/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
A8	8.5	A8-8.5'	5/5/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
A9	8.5	A9-8.5'	5/5/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
A11	8.5	A11-8.5'	5/5/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
B1	8.5	B1-8.5'	5/4/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
B2	8.5	B2-8.5'	5/5/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
B3	8.5	B3-8.5'	5/4/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
B4	8.5	B4-8.5'	5/4/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
B5	8.5	B5-8.5'	5/4/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
B6	8.5	B6-8.5'	5/4/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
B7	8.5	B7-8.5'	5/5/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
B8	8.5	B8-8.5'	5/5/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
B9	8.5	B9-8.5'	5/5/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
B10	8.5	B10-8.5'	5/5/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
B11	8.5	B11-8.5'	5/5/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
LB1	8.5	LB1-8.5'	5/6/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
LB2	8.5	LB2-8.5'	5/6/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
LB3	8.5	LB3-8.5'	5/6/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
LB4	8.5	LB4-8.5'	5/5/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
LB5	8.5	LB5-8.5'	5/5/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
A12	11	A12-11'	5/5/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
A13	11	A13-11'	5/5/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
B12	11	B12-11'	5/5/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
B13	11	B13-11'	5/6/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
B14	11	B14-11'	5/6/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
LB6	11	LB6-11'	5/5/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
LB7	11	LB7-11'	5/5/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
LB8	11	LB8-11'	5/5/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
LB3	1D	LB3-1'-D	5/6/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
LB5	1D	LB5-1D	5/5/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
B4	4.5D	B4-4.5D	5/4/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
B12	5D	B12-5'D	5/5/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
A3	8.5D	A3-8.5'-D	5/4/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
A11	8.5D	A11-8.5'-D	5/5/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
B8	8.5D	B8-8.5D	5/5/2016	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	1
NP-3	12	NP-3-12	10/10/2017	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	0.23
NP-2	6	NP-2-6	10/9/2017	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	0.22
NP-1	12	NP-1-12	10/9/2017	95-50-1	1,2-Dichlorobenzene	ND	µg/kg	0.17
NP-4	10	NP-4-10	10/11/2017	107-06-2	1,2-Dichloroethane	ND	µg/kg	15
A1	1	A1-1'	5/4/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
A5B	1	A5B-1'	5/4/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
A6	1	A6-1'	5/5/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
A7	1	A7-1'	5/5/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
A8	1	A8-1'	5/5/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
A9	1	A9-1'	5/5/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
A10	1	A10-1'	5/5/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
A11	1	A11-1'	5/5/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
A12	1	A12-1'	5/5/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
A13	1	A13-1'	5/5/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
B1	1	B1-1'	5/4/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
B2	1	B2-1'	5/5/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
B3	1	B3-1'	5/4/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
B6	1	B6-1'	5/4/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
B8	1	B8-1'	5/5/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
B9	1	B9-1'	5/5/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
B10	1	B10-1'	5/7/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
B11	1	B11-1'	5/5/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
B12	1	B12-1'	5/5/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
B13	1	B13-1'	5/6/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
B14	1	B14-1'	5/6/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
B15	1	B15-1'	5/6/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
LB1	1	LB1-1'	5/6/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
LB2	1	LB2-1'	5/6/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
LB3	1	LB3-1'	5/6/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
LB4	1	LB4-1'	5/5/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
LB5	1	LB5-1'	5/5/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
LB6	1	LB6-1'	5/5/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
LB7	1	LB7-1'	5/5/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
LB8	1	LB8-1'	5/5/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
A5	1.25	A5-1.25'	5/4/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
A7	3.5	A7-3.5'	5/5/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
B15	4	B15-4'	5/6/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
A1	4.5	A1-4.5'	5/4/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
A2	4.5	A2-4.5'	5/4/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
A3	4.5	A3-4.5'	5/4/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
A4	4.5	A4-4.5'	5/4/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
A5	4.5	A5-4.5'	5/4/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
A5B	4.5	A5B-4.5'	5/4/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
A6	4.5	A6-4.5'	5/5/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
A8	4.5	A8-4.5'	5/5/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
A9	4.5	A9-4.5'	5/5/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
A11	4.5	A11-4.5'	5/5/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
B1	4.5	B1-4.5'	5/4/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
B2	4.5	B2-4.5'	5/5/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
B3	4.5	B3-4.5'	5/4/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
B6	4.5	B6-4.5'	5/4/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
B7	4.5	B7-4.5'	5/5/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
B8	4.5	B8-4.5'	5/5/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
B9	4.5	B9-4.5'	5/5/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
B10	4.5	B10-4.5'	5/5/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
B11	4.5	B11-4.5'	5/5/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
LB	4.5	LB-4.5'	5/6/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
LB1	4.5	LB1-4.5'	5/6/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
LB3	4.5	LB3-4.5'	5/6/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
LB4	4.5	LB4-4.5'	5/5/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
LB5	4.5	LB5-4.5'	5/5/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
A12	5	A12-5'	5/5/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
A13	5	A13-5'	5/5/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
B12	5	B12-5'	5/5/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
B13	5	B13-5'	5/6/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
B14	5	B14-5'	5/8/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
B15	5	B15-5'	5/6/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
LB6	5	LB6-5'	5/5/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
LB7	5	LB7-5'	5/5/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
LB8	5	LB8-5'	5/5/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
A1	8.5	A1-8.5'	5/4/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
A2	8.5	A2-8.5'	5/4/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
A3	8.5	A3-8.5'	5/4/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
A4	8.5	A4-8.5'	5/4/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
A5B	8.5	A5B-8.5'	5/4/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
A6	8.5	A6-8.5'	5/5/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
A7	8.5	A7-8.5'	5/5/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
A8	8.5	A8-8.5'	5/5/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
A9	8.5	A9-8.5'	5/5/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
A11	8.5	A11-8.5'	5/5/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
B1	8.5	B1-8.5'	5/4/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
B2	8.5	B2-8.5'	5/5/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
B3	8.5	B3-8.5'	5/4/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
B6	8.5	B6-8.5'	5/4/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
B7	8.5	B7-8.5'	5/5/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
B8	8.5	B8-8.5'	5/5/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
B9	8.5	B9-8.5'	5/5/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
B10	8.5	B10-8.5'	5/5/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
B11	8.5	B11-8.5'	5/5/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
LB1	8.5	LB1-8.5'	5/6/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
LB2	8.5	LB2-8.5'	5/6/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
LB3	8.5	LB3-8.5'	5/6/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
LB4	8.5	LB4-8.5'	5/5/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
LB5	8.5	LB5-8.5'	5/5/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
A12	11	A12-11'	5/5/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
A13	11	A13-11'	5/5/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
B12	11	B12-11'	5/5/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
B13	11	B13-11'	5/6/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
B14	11	B14-11'	5/6/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
LB6	11	LB6-11'	5/5/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
LB7	11	LB7-11'	5/5/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
LB8	11	LB8-11'	5/5/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
LB3	1D	LB3-1'-D	5/6/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
LB5	1D	LB5-1D	5/5/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
B12	5D	B12-5'D	5/5/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
A3	8.5D	A3-8.5'-D	5/4/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
A11	8.5D	A11-8.5'-D	5/5/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
B8	8.5D	B8-8.5D	5/5/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
NP-3	12	NP-3-12	10/10/2017	107-06-2	1,2-Dichloroethane	ND	µg/kg	0.31
NP-2	6	NP-2-6	10/9/2017	107-06-2	1,2-Dichloroethane	ND	µg/kg	0.3
NP-1	12	NP-1-12	10/9/2017	107-06-2	1,2-Dichloroethane	ND	µg/kg	0.23
B4	1	B4-1'	5/4/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
B5	1	B5-1'	5/4/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
B4	4.5	B4-4.5'	5/4/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
B5	4.5	B5-4.5'	5/4/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
B4	8.5	B4-8.5'	5/4/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
B5	8.5	B5-8.5'	5/4/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
B4	4.5D	B4-4.5D	5/4/2016	107-06-2	1,2-Dichloroethane	ND	µg/kg	1
NP-4	10	NP-4-10	10/11/2017	78-87-5	1,2-Dichloropropane	ND	µg/kg	21
A1	1	A1-1'	5/4/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
A5B	1	A5B-1'	5/4/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
A6	1	A6-1'	5/5/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
A7	1	A7-1'	5/5/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
A8	1	A8-1'	5/5/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
A9	1	A9-1'	5/5/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
A10	1	A10-1'	5/5/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
A11	1	A11-1'	5/5/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
A12	1	A12-1'	5/5/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
A13	1	A13-1'	5/5/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
B1	1	B1-1'	5/4/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
B2	1	B2-1'	5/5/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
B3	1	B3-1'	5/4/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
B4	1	B4-1'	5/4/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
B5	1	B5-1'	5/4/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
B6	1	B6-1'	5/4/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
B8	1	B8-1'	5/5/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
B9	1	B9-1'	5/5/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
B10	1	B10-1'	5/7/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
B11	1	B11-1'	5/5/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
B12	1	B12-1'	5/5/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
B13	1	B13-1'	5/6/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
B14	1	B14-1'	5/6/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
B15	1	B15-1'	5/6/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
LB1	1	LB1-1'	5/6/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
LB2	1	LB2-1'	5/6/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
LB3	1	LB3-1'	5/6/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
LB4	1	LB4-1'	5/5/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
LB5	1	LB5-1'	5/5/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
LB6	1	LB6-1'	5/5/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
LB7	1	LB7-1'	5/5/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
LB8	1	LB8-1'	5/5/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
A5	1.25	A5-1.25'	5/4/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
A7	3.5	A7-3.5'	5/5/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
B15	4	B15-4'	5/6/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
A1	4.5	A1-4.5'	5/4/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
A2	4.5	A2-4.5'	5/4/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
A3	4.5	A3-4.5'	5/4/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
A4	4.5	A4-4.5'	5/4/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
A5	4.5	A5-4.5'	5/4/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
A5B	4.5	A5B-4.5'	5/4/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
A6	4.5	A6-4.5'	5/5/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
A8	4.5	A8-4.5'	5/5/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
A9	4.5	A9-4.5'	5/5/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
A11	4.5	A11-4.5'	5/5/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
B1	4.5	B1-4.5'	5/4/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
B2	4.5	B2-4.5'	5/5/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
B3	4.5	B3-4.5'	5/4/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
B4	4.5	B4-4.5'	5/4/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
B5	4.5	B5-4.5'	5/4/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
B6	4.5	B6-4.5'	5/4/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
B7	4.5	B7-4.5'	5/5/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
B8	4.5	B8-4.5'	5/5/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
B9	4.5	B9-4.5'	5/5/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
B10	4.5	B10-4.5'	5/5/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
B11	4.5	B11-4.5'	5/5/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
LB	4.5	LB-4.5'	5/6/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
LB1	4.5	LB1-4.5'	5/6/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
LB3	4.5	LB3-4.5'	5/6/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
LB4	4.5	LB4-4.5'	5/5/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
LB5	4.5	LB5-4.5'	5/5/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
A12	5	A12-5'	5/5/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
A13	5	A13-5'	5/5/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
B12	5	B12-5'	5/5/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
B13	5	B13-5'	5/6/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
B14	5	B14-5'	5/8/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
B15	5	B15-5'	5/6/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
LB6	5	LB6-5'	5/5/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
LB7	5	LB7-5'	5/5/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
LB8	5	LB8-5'	5/5/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
A1	8.5	A1-8.5'	5/4/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
A2	8.5	A2-8.5'	5/4/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
A3	8.5	A3-8.5'	5/4/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
A4	8.5	A4-8.5'	5/4/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
A5B	8.5	A5B-8.5'	5/4/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
A6	8.5	A6-8.5'	5/5/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
A7	8.5	A7-8.5'	5/5/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
A8	8.5	A8-8.5'	5/5/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
A9	8.5	A9-8.5'	5/5/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
A11	8.5	A11-8.5'	5/5/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
B1	8.5	B1-8.5'	5/4/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
B2	8.5	B2-8.5'	5/5/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
B3	8.5	B3-8.5'	5/4/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
B4	8.5	B4-8.5'	5/4/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
B5	8.5	B5-8.5'	5/4/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
B6	8.5	B6-8.5'	5/4/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
B7	8.5	B7-8.5'	5/5/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
B8	8.5	B8-8.5'	5/5/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
B9	8.5	B9-8.5'	5/5/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
B10	8.5	B10-8.5'	5/5/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
B11	8.5	B11-8.5'	5/5/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
LB1	8.5	LB1-8.5'	5/6/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
LB2	8.5	LB2-8.5'	5/6/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
LB3	8.5	LB3-8.5'	5/6/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
LB4	8.5	LB4-8.5'	5/5/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
LB5	8.5	LB5-8.5'	5/5/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
A12	11	A12-11'	5/5/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
A13	11	A13-11'	5/5/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
B12	11	B12-11'	5/5/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
B13	11	B13-11'	5/6/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
B14	11	B14-11'	5/6/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
LB6	11	LB6-11'	5/5/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
LB7	11	LB7-11'	5/5/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
LB8	11	LB8-11'	5/5/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
LB3	1D	LB3-1'-D	5/6/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
LB5	1D	LB5-1D	5/5/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
B4	4.5D	B4-4.5D	5/4/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
B12	5D	B12-5'D	5/5/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
A3	8.5D	A3-8.5'-D	5/4/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
A11	8.5D	A11-8.5'-D	5/5/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
B8	8.5D	B8-8.5D	5/5/2016	78-87-5	1,2-Dichloropropane	ND	µg/kg	1
NP-3	12	NP-3-12	10/10/2017	78-87-5	1,2-Dichloropropane	ND	µg/kg	0.44
NP-2	6	NP-2-6	10/9/2017	78-87-5	1,2-Dichloropropane	ND	µg/kg	0.42
NP-1	12	NP-1-12	10/9/2017	78-87-5	1,2-Dichloropropane	ND	µg/kg	0.32
A1	1	A1-1'	5/4/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
A5B	1	A5B-1'	5/4/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
A6	1	A6-1'	5/5/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
A7	1	A7-1'	5/5/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
A8	1	A8-1'	5/5/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
A9	1	A9-1'	5/5/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
A10	1	A10-1'	5/5/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
A11	1	A11-1'	5/5/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
A12	1	A12-1'	5/5/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
A13	1	A13-1'	5/5/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
B1	1	B1-1'	5/4/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
B2	1	B2-1'	5/5/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
B3	1	B3-1'	5/4/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
B4	1	B4-1'	5/4/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
B5	1	B5-1'	5/4/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
B6	1	B6-1'	5/4/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
B8	1	B8-1'	5/5/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
B9	1	B9-1'	5/5/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
B10	1	B10-1'	5/7/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
B11	1	B11-1'	5/5/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
B12	1	B12-1'	5/5/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
B13	1	B13-1'	5/6/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
B14	1	B14-1'	5/6/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
B15	1	B15-1'	5/6/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
LB1	1	LB1-1'	5/6/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
LB2	1	LB2-1'	5/6/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
LB3	1	LB3-1'	5/6/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
LB4	1	LB4-1'	5/5/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
LB5	1	LB5-1'	5/5/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
LB6	1	LB6-1'	5/5/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
LB7	1	LB7-1'	5/5/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
LB8	1	LB8-1'	5/5/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
A5	1.25	A5-1.25'	5/4/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
A7	3.5	A7-3.5'	5/5/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
B15	4	B15-4'	5/6/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
A1	4.5	A1-4.5'	5/4/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
A2	4.5	A2-4.5'	5/4/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
A3	4.5	A3-4.5'	5/4/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
A4	4.5	A4-4.5'	5/4/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
A5	4.5	A5-4.5'	5/4/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
A5B	4.5	A5B-4.5'	5/4/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
A6	4.5	A6-4.5'	5/5/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
A8	4.5	A8-4.5'	5/5/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
A9	4.5	A9-4.5'	5/5/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
A11	4.5	A11-4.5'	5/5/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
B1	4.5	B1-4.5'	5/4/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
B2	4.5	B2-4.5'	5/5/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
B3	4.5	B3-4.5'	5/4/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
B4	4.5	B4-4.5'	5/4/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
B5	4.5	B5-4.5'	5/4/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
B6	4.5	B6-4.5'	5/4/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
B7	4.5	B7-4.5'	5/5/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
B8	4.5	B8-4.5'	5/5/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
B9	4.5	B9-4.5'	5/5/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
B10	4.5	B10-4.5'	5/5/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
B11	4.5	B11-4.5'	5/5/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
LB	4.5	LB-4.5'	5/6/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
LB1	4.5	LB1-4.5'	5/6/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
LB3	4.5	LB3-4.5'	5/6/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
LB4	4.5	LB4-4.5'	5/5/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
LB5	4.5	LB5-4.5'	5/5/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
A12	5	A12-5'	5/5/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
A13	5	A13-5'	5/5/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
B12	5	B12-5'	5/5/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
B13	5	B13-5'	5/6/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
B14	5	B14-5'	5/8/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
B15	5	B15-5'	5/6/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
LB6	5	LB6-5'	5/5/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
LB7	5	LB7-5'	5/5/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
LB8	5	LB8-5'	5/5/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
A1	8.5	A1-8.5'	5/4/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
A2	8.5	A2-8.5'	5/4/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
A3	8.5	A3-8.5'	5/4/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
A4	8.5	A4-8.5'	5/4/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
A5B	8.5	A5B-8.5'	5/4/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
A6	8.5	A6-8.5'	5/5/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
A7	8.5	A7-8.5'	5/5/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
A8	8.5	A8-8.5'	5/5/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
A9	8.5	A9-8.5'	5/5/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
A11	8.5	A11-8.5'	5/5/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
B1	8.5	B1-8.5'	5/4/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
B2	8.5	B2-8.5'	5/5/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
B3	8.5	B3-8.5'	5/4/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
B4	8.5	B4-8.5'	5/4/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
B5	8.5	B5-8.5'	5/4/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
B6	8.5	B6-8.5'	5/4/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
B7	8.5	B7-8.5'	5/5/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
B8	8.5	B8-8.5'	5/5/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
B9	8.5	B9-8.5'	5/5/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
B10	8.5	B10-8.5'	5/5/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
B11	8.5	B11-8.5'	5/5/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
LB1	8.5	LB1-8.5'	5/6/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
LB2	8.5	LB2-8.5'	5/6/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
LB3	8.5	LB3-8.5'	5/6/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
LB4	8.5	LB4-8.5'	5/5/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
LB5	8.5	LB5-8.5'	5/5/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
A12	11	A12-11'	5/5/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
A13	11	A13-11'	5/5/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
B12	11	B12-11'	5/5/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
B13	11	B13-11'	5/6/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
B14	11	B14-11'	5/6/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
LB6	11	LB6-11'	5/5/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
LB7	11	LB7-11'	5/5/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
LB8	11	LB8-11'	5/5/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
LB3	1D	LB3-1'-D	5/6/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
LB5	1D	LB5-1D	5/5/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
B4	4.5D	B4-4.5D	5/4/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
B12	5D	B12-5'D	5/5/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
A3	8.5D	A3-8.5'-D	5/4/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
A11	8.5D	A11-8.5'-D	5/5/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
B8	8.5D	B8-8.5D	5/5/2016	108-67-8	1,3,5-Trimethylbenzene	ND	µg/kg	1
NP-4	10	NP-4-10	10/11/2017	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	8.6
A1	1	A1-1'	5/4/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
A5B	1	A5B-1'	5/4/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
A6	1	A6-1'	5/5/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
A7	1	A7-1'	5/5/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
A8	1	A8-1'	5/5/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
A9	1	A9-1'	5/5/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
A10	1	A10-1'	5/5/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
A11	1	A11-1'	5/5/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
A12	1	A12-1'	5/5/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
A13	1	A13-1'	5/5/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
B1	1	B1-1'	5/4/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
B2	1	B2-1'	5/5/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
B3	1	B3-1'	5/4/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
B4	1	B4-1'	5/4/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
B6	1	B6-1'	5/4/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
B8	1	B8-1'	5/5/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
B9	1	B9-1'	5/5/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
B10	1	B10-1'	5/7/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
B11	1	B11-1'	5/5/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
B12	1	B12-1'	5/5/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
B13	1	B13-1'	5/6/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
B14	1	B14-1'	5/6/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
B15	1	B15-1'	5/6/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
LB1	1	LB1-1'	5/6/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
LB2	1	LB2-1'	5/6/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
LB3	1	LB3-1'	5/6/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
LB4	1	LB4-1'	5/5/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
LB5	1	LB5-1'	5/5/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
LB6	1	LB6-1'	5/5/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
LB7	1	LB7-1'	5/5/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
LB8	1	LB8-1'	5/5/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
A5	1.25	A5-1.25'	5/4/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
A7	3.5	A7-3.5'	5/5/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
B15	4	B15-4'	5/6/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
A1	4.5	A1-4.5'	5/4/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
A2	4.5	A2-4.5'	5/4/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
A3	4.5	A3-4.5'	5/4/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
A4	4.5	A4-4.5'	5/4/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
A5	4.5	A5-4.5'	5/4/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
A5B	4.5	A5B-4.5'	5/4/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
A6	4.5	A6-4.5'	5/5/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
A8	4.5	A8-4.5'	5/5/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
A9	4.5	A9-4.5'	5/5/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
A11	4.5	A11-4.5'	5/5/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
B1	4.5	B1-4.5'	5/4/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
B2	4.5	B2-4.5'	5/5/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
B3	4.5	B3-4.5'	5/4/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
B6	4.5	B6-4.5'	5/4/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
B7	4.5	B7-4.5'	5/5/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
B8	4.5	B8-4.5'	5/5/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
B9	4.5	B9-4.5'	5/5/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
B10	4.5	B10-4.5'	5/5/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
B11	4.5	B11-4.5'	5/5/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
LB	4.5	LB-4.5'	5/6/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
LB1	4.5	LB1-4.5'	5/6/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
LB3	4.5	LB3-4.5'	5/6/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
LB4	4.5	LB4-4.5'	5/5/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
LB5	4.5	LB5-4.5'	5/5/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
A12	5	A12-5'	5/5/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
A13	5	A13-5'	5/5/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
B12	5	B12-5'	5/5/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
B13	5	B13-5'	5/6/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
B14	5	B14-5'	5/8/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
B15	5	B15-5'	5/6/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
LB6	5	LB6-5'	5/5/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
LB7	5	LB7-5'	5/5/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
LB8	5	LB8-5'	5/5/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
A1	8.5	A1-8.5'	5/4/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
A2	8.5	A2-8.5'	5/4/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
A3	8.5	A3-8.5'	5/4/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
A4	8.5	A4-8.5'	5/4/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
A5B	8.5	A5B-8.5'	5/4/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
A6	8.5	A6-8.5'	5/5/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
A7	8.5	A7-8.5'	5/5/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
A8	8.5	A8-8.5'	5/5/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
A9	8.5	A9-8.5'	5/5/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
A11	8.5	A11-8.5'	5/5/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
B1	8.5	B1-8.5'	5/4/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
B2	8.5	B2-8.5'	5/5/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
B3	8.5	B3-8.5'	5/4/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
B6	8.5	B6-8.5'	5/4/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
B7	8.5	B7-8.5'	5/5/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
B8	8.5	B8-8.5'	5/5/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
B9	8.5	B9-8.5'	5/5/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
B10	8.5	B10-8.5'	5/5/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
B11	8.5	B11-8.5'	5/5/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
LB1	8.5	LB1-8.5'	5/6/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
LB2	8.5	LB2-8.5'	5/6/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
LB3	8.5	LB3-8.5'	5/6/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
LB4	8.5	LB4-8.5'	5/5/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
LB5	8.5	LB5-8.5'	5/5/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
A12	11	A12-11'	5/5/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
A13	11	A13-11'	5/5/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
B12	11	B12-11'	5/5/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
B13	11	B13-11'	5/6/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
B14	11	B14-11'	5/6/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
LB6	11	LB6-11'	5/5/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
LB7	11	LB7-11'	5/5/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
LB8	11	LB8-11'	5/5/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
LB3	1D	LB3-1'-D	5/6/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
LB5	1D	LB5-1D	5/5/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
B12	5D	B12-5'D	5/5/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
A3	8.5D	A3-8.5'-D	5/4/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
A11	8.5D	A11-8.5'-D	5/5/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
B8	8.5D	B8-8.5D	5/5/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
NP-3	12	NP-3-12	10/10/2017	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	0.18
NP-2	6	NP-2-6	10/9/2017	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	0.17
NP-1	12	NP-1-12	10/9/2017	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	0.13
B5	1	B5-1'	5/4/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
B4	4.5	B4-4.5'	5/4/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
B5	4.5	B5-4.5'	5/4/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
B4	8.5	B4-8.5'	5/4/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
B5	8.5	B5-8.5'	5/4/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
B4	4.5D	B4-4.5D	5/4/2016	541-73-1	1,3-Dichlorobenzene	ND	µg/kg	1
NP-4	10	NP-4-10	10/11/2017	142-28-9	1,3-Dichloropropane	ND	µg/kg	12
A1	1	A1-1'	5/4/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
A5B	1	A5B-1'	5/4/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
A6	1	A6-1'	5/5/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
A7	1	A7-1'	5/5/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
A8	1	A8-1'	5/5/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
A9	1	A9-1'	5/5/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
A10	1	A10-1'	5/5/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
A11	1	A11-1'	5/5/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
A12	1	A12-1'	5/5/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
A13	1	A13-1'	5/5/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
B1	1	B1-1'	5/4/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
B2	1	B2-1'	5/5/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
B3	1	B3-1'	5/4/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
B4	1	B4-1'	5/4/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
B5	1	B5-1'	5/4/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
B6	1	B6-1'	5/4/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
B8	1	B8-1'	5/5/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
B9	1	B9-1'	5/5/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
B10	1	B10-1'	5/7/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
B11	1	B11-1'	5/5/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
B12	1	B12-1'	5/5/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
B13	1	B13-1'	5/6/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
B14	1	B14-1'	5/6/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
B15	1	B15-1'	5/6/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
LB1	1	LB1-1'	5/6/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
LB2	1	LB2-1'	5/6/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
LB3	1	LB3-1'	5/6/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
LB4	1	LB4-1'	5/5/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
LB5	1	LB5-1'	5/5/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
LB6	1	LB6-1'	5/5/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
LB7	1	LB7-1'	5/5/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
LB8	1	LB8-1'	5/5/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
A5	1.25	A5-1.25'	5/4/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
A7	3.5	A7-3.5'	5/5/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
B15	4	B15-4'	5/6/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
A1	4.5	A1-4.5'	5/4/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
A2	4.5	A2-4.5'	5/4/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
A3	4.5	A3-4.5'	5/4/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
A4	4.5	A4-4.5'	5/4/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
A5	4.5	A5-4.5'	5/4/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
A5B	4.5	A5B-4.5'	5/4/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
A6	4.5	A6-4.5'	5/5/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
A8	4.5	A8-4.5'	5/5/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
A9	4.5	A9-4.5'	5/5/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
A11	4.5	A11-4.5'	5/5/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
B1	4.5	B1-4.5'	5/4/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
B2	4.5	B2-4.5'	5/5/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
B3	4.5	B3-4.5'	5/4/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
B4	4.5	B4-4.5'	5/4/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
B5	4.5	B5-4.5'	5/4/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
B6	4.5	B6-4.5'	5/4/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
B7	4.5	B7-4.5'	5/5/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
B8	4.5	B8-4.5'	5/5/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
B9	4.5	B9-4.5'	5/5/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
B10	4.5	B10-4.5'	5/5/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
B11	4.5	B11-4.5'	5/5/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
LB	4.5	LB-4.5'	5/6/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
LB1	4.5	LB1-4.5'	5/6/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
LB3	4.5	LB3-4.5'	5/6/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
LB4	4.5	LB4-4.5'	5/5/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
LB5	4.5	LB5-4.5'	5/5/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
A12	5	A12-5'	5/5/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
A13	5	A13-5'	5/5/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
B12	5	B12-5'	5/5/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
B13	5	B13-5'	5/6/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
B14	5	B14-5'	5/8/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
B15	5	B15-5'	5/6/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
LB6	5	LB6-5'	5/5/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
LB7	5	LB7-5'	5/5/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
LB8	5	LB8-5'	5/5/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
A1	8.5	A1-8.5'	5/4/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
A2	8.5	A2-8.5'	5/4/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
A3	8.5	A3-8.5'	5/4/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
A4	8.5	A4-8.5'	5/4/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
A5B	8.5	A5B-8.5'	5/4/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
A6	8.5	A6-8.5'	5/5/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
A7	8.5	A7-8.5'	5/5/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
A8	8.5	A8-8.5'	5/5/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
A9	8.5	A9-8.5'	5/5/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
A11	8.5	A11-8.5'	5/5/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
B1	8.5	B1-8.5'	5/4/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
B2	8.5	B2-8.5'	5/5/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
B3	8.5	B3-8.5'	5/4/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
B4	8.5	B4-8.5'	5/4/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
B5	8.5	B5-8.5'	5/4/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
B6	8.5	B6-8.5'	5/4/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
B7	8.5	B7-8.5'	5/5/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
B8	8.5	B8-8.5'	5/5/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
B9	8.5	B9-8.5'	5/5/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
B10	8.5	B10-8.5'	5/5/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
B11	8.5	B11-8.5'	5/5/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
LB1	8.5	LB1-8.5'	5/6/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
LB2	8.5	LB2-8.5'	5/6/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
LB3	8.5	LB3-8.5'	5/6/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
LB4	8.5	LB4-8.5'	5/5/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
LB5	8.5	LB5-8.5'	5/5/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
A12	11	A12-11'	5/5/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
A13	11	A13-11'	5/5/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
B12	11	B12-11'	5/5/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
B13	11	B13-11'	5/6/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
B14	11	B14-11'	5/6/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
LB6	11	LB6-11'	5/5/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
LB7	11	LB7-11'	5/5/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
LB8	11	LB8-11'	5/5/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
LB3	1D	LB3-1'-D	5/6/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
LB5	1D	LB5-1D	5/5/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
B4	4.5D	B4-4.5D	5/4/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
B12	5D	B12-5'D	5/5/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
A3	8.5D	A3-8.5'-D	5/4/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
A11	8.5D	A11-8.5'-D	5/5/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
B8	8.5D	B8-8.5D	5/5/2016	142-28-9	1,3-Dichloropropane	ND	µg/kg	1
NP-3	12	NP-3-12	10/10/2017	142-28-9	1,3-Dichloropropane	ND	µg/kg	0.25
NP-2	6	NP-2-6	10/9/2017	142-28-9	1,3-Dichloropropane	ND	µg/kg	0.24
NP-1	12	NP-1-12	10/9/2017	142-28-9	1,3-Dichloropropane	ND	µg/kg	0.18
NP-4	10	NP-4-10	10/11/2017	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	11
A1	1	A1-1'	5/4/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
A5B	1	A5B-1'	5/4/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
A6	1	A6-1'	5/5/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
A7	1	A7-1'	5/5/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
A8	1	A8-1'	5/5/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
A9	1	A9-1'	5/5/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
A10	1	A10-1'	5/5/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
A11	1	A11-1'	5/5/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
A12	1	A12-1'	5/5/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
A13	1	A13-1'	5/5/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
B1	1	B1-1'	5/4/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
B2	1	B2-1'	5/5/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
B3	1	B3-1'	5/4/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
B4	1	B4-1'	5/4/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
B6	1	B6-1'	5/4/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
B8	1	B8-1'	5/5/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
B9	1	B9-1'	5/5/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
B10	1	B10-1'	5/7/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
B11	1	B11-1'	5/5/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
B12	1	B12-1'	5/5/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
B13	1	B13-1'	5/6/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
B14	1	B14-1'	5/6/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
B15	1	B15-1'	5/6/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
LB1	1	LB1-1'	5/6/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
LB2	1	LB2-1'	5/6/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
LB3	1	LB3-1'	5/6/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
LB4	1	LB4-1'	5/5/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
LB5	1	LB5-1'	5/5/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
LB6	1	LB6-1'	5/5/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
LB7	1	LB7-1'	5/5/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
LB8	1	LB8-1'	5/5/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
A5	1.25	A5-1.25'	5/4/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
A7	3.5	A7-3.5'	5/5/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
B15	4	B15-4'	5/6/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
A1	4.5	A1-4.5'	5/4/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
A2	4.5	A2-4.5'	5/4/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
A3	4.5	A3-4.5'	5/4/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
A4	4.5	A4-4.5'	5/4/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
A5	4.5	A5-4.5'	5/4/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
A5B	4.5	A5B-4.5'	5/4/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
A6	4.5	A6-4.5'	5/5/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
A8	4.5	A8-4.5'	5/5/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
A9	4.5	A9-4.5'	5/5/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
A11	4.5	A11-4.5'	5/5/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
B1	4.5	B1-4.5'	5/4/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
B2	4.5	B2-4.5'	5/5/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
B3	4.5	B3-4.5'	5/4/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
B6	4.5	B6-4.5'	5/4/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
B7	4.5	B7-4.5'	5/5/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
B8	4.5	B8-4.5'	5/5/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
B9	4.5	B9-4.5'	5/5/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
B10	4.5	B10-4.5'	5/5/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
B11	4.5	B11-4.5'	5/5/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
LB	4.5	LB-4.5'	5/6/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
LB1	4.5	LB1-4.5'	5/6/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
LB3	4.5	LB3-4.5'	5/6/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
LB4	4.5	LB4-4.5'	5/5/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
LB5	4.5	LB5-4.5'	5/5/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
A12	5	A12-5'	5/5/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
A13	5	A13-5'	5/5/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
B12	5	B12-5'	5/5/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
B13	5	B13-5'	5/6/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
B14	5	B14-5'	5/8/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
B15	5	B15-5'	5/6/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
LB6	5	LB6-5'	5/5/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
LB7	5	LB7-5'	5/5/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
LB8	5	LB8-5'	5/5/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
A1	8.5	A1-8.5'	5/4/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
A2	8.5	A2-8.5'	5/4/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
A3	8.5	A3-8.5'	5/4/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
A4	8.5	A4-8.5'	5/4/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
A5B	8.5	A5B-8.5'	5/4/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
A6	8.5	A6-8.5'	5/5/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
A7	8.5	A7-8.5'	5/5/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
A8	8.5	A8-8.5'	5/5/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
A9	8.5	A9-8.5'	5/5/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
A11	8.5	A11-8.5'	5/5/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
B1	8.5	B1-8.5'	5/4/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
B2	8.5	B2-8.5'	5/5/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
B3	8.5	B3-8.5'	5/4/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
B6	8.5	B6-8.5'	5/4/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
B7	8.5	B7-8.5'	5/5/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
B8	8.5	B8-8.5'	5/5/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
B9	8.5	B9-8.5'	5/5/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
B10	8.5	B10-8.5'	5/5/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
B11	8.5	B11-8.5'	5/5/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
LB1	8.5	LB1-8.5'	5/6/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
LB2	8.5	LB2-8.5'	5/6/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
LB3	8.5	LB3-8.5'	5/6/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
LB4	8.5	LB4-8.5'	5/5/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
LB5	8.5	LB5-8.5'	5/5/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
A12	11	A12-11'	5/5/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
A13	11	A13-11'	5/5/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
B12	11	B12-11'	5/5/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
B13	11	B13-11'	5/6/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
B14	11	B14-11'	5/6/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
LB6	11	LB6-11'	5/5/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
LB7	11	LB7-11'	5/5/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
LB8	11	LB8-11'	5/5/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
LB3	1D	LB3-1'-D	5/6/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
LB5	1D	LB5-1D	5/5/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
B12	5D	B12-5'D	5/5/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
A3	8.5D	A3-8.5'-D	5/4/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
A11	8.5D	A11-8.5'-D	5/5/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
B8	8.5D	B8-8.5D	5/5/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
NP-3	12	NP-3-12	10/10/2017	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	0.22
NP-2	6	NP-2-6	10/9/2017	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	0.21
NP-1	12	NP-1-12	10/9/2017	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	0.16
B5	1	B5-1'	5/4/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
B4	4.5	B4-4.5'	5/4/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
B5	4.5	B5-4.5'	5/4/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
B4	8.5	B4-8.5'	5/4/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
B5	8.5	B5-8.5'	5/4/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
B4	4.5D	B4-4.5D	5/4/2016	106-46-7	1,4-Dichlorobenzene	ND	µg/kg	1
NP-4	10	NP-4-10	10/11/2017	594-20-7	2,2-Dichloropropane	ND	µg/kg	16
A1	1	A1-1'	5/4/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
A5B	1	A5B-1'	5/4/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
A6	1	A6-1'	5/5/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
A7	1	A7-1'	5/5/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
A8	1	A8-1'	5/5/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
A9	1	A9-1'	5/5/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
A10	1	A10-1'	5/5/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
A11	1	A11-1'	5/5/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
A12	1	A12-1'	5/5/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
A13	1	A13-1'	5/5/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
B1	1	B1-1'	5/4/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
B2	1	B2-1'	5/5/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
B3	1	B3-1'	5/4/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
B4	1	B4-1'	5/4/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
B5	1	B5-1'	5/4/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
B6	1	B6-1'	5/4/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
B8	1	B8-1'	5/5/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
B9	1	B9-1'	5/5/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
B10	1	B10-1'	5/7/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
B11	1	B11-1'	5/5/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
B12	1	B12-1'	5/5/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
B13	1	B13-1'	5/6/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
B14	1	B14-1'	5/6/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
B15	1	B15-1'	5/6/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
LB1	1	LB1-1'	5/6/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
LB2	1	LB2-1'	5/6/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
LB3	1	LB3-1'	5/6/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
LB4	1	LB4-1'	5/5/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
LB5	1	LB5-1'	5/5/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
LB6	1	LB6-1'	5/5/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
LB7	1	LB7-1'	5/5/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
LB8	1	LB8-1'	5/5/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
A5	1.25	A5-1.25'	5/4/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
A7	3.5	A7-3.5'	5/5/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
B15	4	B15-4'	5/6/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
A1	4.5	A1-4.5'	5/4/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
A2	4.5	A2-4.5'	5/4/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
A3	4.5	A3-4.5'	5/4/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
A4	4.5	A4-4.5'	5/4/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
A5	4.5	A5-4.5'	5/4/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
A5B	4.5	A5B-4.5'	5/4/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
A6	4.5	A6-4.5'	5/5/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
A8	4.5	A8-4.5'	5/5/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
A9	4.5	A9-4.5'	5/5/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
A11	4.5	A11-4.5'	5/5/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
B1	4.5	B1-4.5'	5/4/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
B2	4.5	B2-4.5'	5/5/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
B3	4.5	B3-4.5'	5/4/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
B4	4.5	B4-4.5'	5/4/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
B5	4.5	B5-4.5'	5/4/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
B6	4.5	B6-4.5'	5/4/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
B7	4.5	B7-4.5'	5/5/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
B8	4.5	B8-4.5'	5/5/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
B9	4.5	B9-4.5'	5/5/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
B10	4.5	B10-4.5'	5/5/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
B11	4.5	B11-4.5'	5/5/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
LB	4.5	LB-4.5'	5/6/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
LB1	4.5	LB1-4.5'	5/6/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
LB3	4.5	LB3-4.5'	5/6/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
LB4	4.5	LB4-4.5'	5/5/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
LB5	4.5	LB5-4.5'	5/5/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
A12	5	A12-5'	5/5/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
A13	5	A13-5'	5/5/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
B12	5	B12-5'	5/5/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
B13	5	B13-5'	5/6/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
B14	5	B14-5'	5/8/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
B15	5	B15-5'	5/6/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
LB6	5	LB6-5'	5/5/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
LB7	5	LB7-5'	5/5/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
LB8	5	LB8-5'	5/5/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
A1	8.5	A1-8.5'	5/4/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
A2	8.5	A2-8.5'	5/4/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
A3	8.5	A3-8.5'	5/4/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
A4	8.5	A4-8.5'	5/4/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
A5B	8.5	A5B-8.5'	5/4/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
A6	8.5	A6-8.5'	5/5/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
A7	8.5	A7-8.5'	5/5/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
A8	8.5	A8-8.5'	5/5/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
A9	8.5	A9-8.5'	5/5/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
A11	8.5	A11-8.5'	5/5/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
B1	8.5	B1-8.5'	5/4/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
B2	8.5	B2-8.5'	5/5/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
B3	8.5	B3-8.5'	5/4/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
B4	8.5	B4-8.5'	5/4/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
B5	8.5	B5-8.5'	5/4/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
B6	8.5	B6-8.5'	5/4/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
B7	8.5	B7-8.5'	5/5/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
B8	8.5	B8-8.5'	5/5/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
B9	8.5	B9-8.5'	5/5/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
B10	8.5	B10-8.5'	5/5/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
B11	8.5	B11-8.5'	5/5/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
LB1	8.5	LB1-8.5'	5/6/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
LB2	8.5	LB2-8.5'	5/6/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
LB3	8.5	LB3-8.5'	5/6/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
LB4	8.5	LB4-8.5'	5/5/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
LB5	8.5	LB5-8.5'	5/5/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
A12	11	A12-11'	5/5/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
A13	11	A13-11'	5/5/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
B12	11	B12-11'	5/5/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
B13	11	B13-11'	5/6/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
B14	11	B14-11'	5/6/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
LB6	11	LB6-11'	5/5/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
LB7	11	LB7-11'	5/5/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
LB8	11	LB8-11'	5/5/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
LB3	1D	LB3-1'-D	5/6/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
LB5	1D	LB5-1D	5/5/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
B4	4.5D	B4-4.5D	5/4/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
B12	5D	B12-5'D	5/5/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
A3	8.5D	A3-8.5'-D	5/4/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
A11	8.5D	A11-8.5'-D	5/5/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
B8	8.5D	B8-8.5D	5/5/2016	594-20-7	2,2-Dichloropropane	ND	µg/kg	1
NP-3	12	NP-3-12	10/10/2017	594-20-7	2,2-Dichloropropane	ND	µg/kg	0.33
NP-2	6	NP-2-6	10/9/2017	594-20-7	2,2-Dichloropropane	ND	µg/kg	0.32
NP-1	12	NP-1-12	10/9/2017	594-20-7	2,2-Dichloropropane	ND	µg/kg	0.24
NP-4	10	NP-4-10	10/11/2017	78-93-3	2-butanone (MEK)	ND	µg/kg	180
NP-3	12	NP-3-12	10/10/2017	78-93-3	2-butanone (MEK)	ND	µg/kg	3.8
NP-2	6	NP-2-6	10/9/2017	78-93-3	2-butanone (MEK)	ND	µg/kg	3.6
NP-1	12	NP-1-12	10/9/2017	78-93-3	2-butanone (MEK)	ND	µg/kg	2.8
A1	1	A1-1'	5/4/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
A5B	1	A5B-1'	5/4/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
A6	1	A6-1'	5/5/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
A7	1	A7-1'	5/5/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
A8	1	A8-1'	5/5/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
A9	1	A9-1'	5/5/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
A10	1	A10-1'	5/5/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
A11	1	A11-1'	5/5/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
A12	1	A12-1'	5/5/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
A13	1	A13-1'	5/5/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
B1	1	B1-1'	5/4/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
B2	1	B2-1'	5/5/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
B3	1	B3-1'	5/4/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
B4	1	B4-1'	5/4/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
B6	1	B6-1'	5/4/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
B8	1	B8-1'	5/5/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
B9	1	B9-1'	5/5/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
B10	1	B10-1'	5/7/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
B11	1	B11-1'	5/5/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
B12	1	B12-1'	5/5/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
B13	1	B13-1'	5/6/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
B14	1	B14-1'	5/6/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
B15	1	B15-1'	5/6/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
LB1	1	LB1-1'	5/6/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
LB2	1	LB2-1'	5/6/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
LB3	1	LB3-1'	5/6/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
LB4	1	LB4-1'	5/5/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
LB5	1	LB5-1'	5/5/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
LB6	1	LB6-1'	5/5/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
LB7	1	LB7-1'	5/5/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
LB8	1	LB8-1'	5/5/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
A5	1.25	A5-1.25'	5/4/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
A7	3.5	A7-3.5'	5/5/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
B15	4	B15-4'	5/6/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
A1	4.5	A1-4.5'	5/4/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
A2	4.5	A2-4.5'	5/4/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
A3	4.5	A3-4.5'	5/4/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
A4	4.5	A4-4.5'	5/4/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
A5	4.5	A5-4.5'	5/4/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
A5B	4.5	A5B-4.5'	5/4/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
A6	4.5	A6-4.5'	5/5/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
A8	4.5	A8-4.5'	5/5/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
A9	4.5	A9-4.5'	5/5/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
A11	4.5	A11-4.5'	5/5/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
B1	4.5	B1-4.5'	5/4/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
B2	4.5	B2-4.5'	5/5/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
B3	4.5	B3-4.5'	5/4/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
B6	4.5	B6-4.5'	5/4/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
B7	4.5	B7-4.5'	5/5/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
B8	4.5	B8-4.5'	5/5/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
B9	4.5	B9-4.5'	5/5/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
B10	4.5	B10-4.5'	5/5/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
B11	4.5	B11-4.5'	5/5/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
LB	4.5	LB-4.5'	5/6/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
LB1	4.5	LB1-4.5'	5/6/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
LB3	4.5	LB3-4.5'	5/6/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
LB4	4.5	LB4-4.5'	5/5/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
LB5	4.5	LB5-4.5'	5/5/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
A12	5	A12-5'	5/5/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
A13	5	A13-5'	5/5/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
B12	5	B12-5'	5/5/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
B13	5	B13-5'	5/6/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
B14	5	B14-5'	5/8/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
B15	5	B15-5'	5/6/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
LB6	5	LB6-5'	5/5/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
LB7	5	LB7-5'	5/5/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
LB8	5	LB8-5'	5/5/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
A1	8.5	A1-8.5'	5/4/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
A2	8.5	A2-8.5'	5/4/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
A3	8.5	A3-8.5'	5/4/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
A4	8.5	A4-8.5'	5/4/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
A5B	8.5	A5B-8.5'	5/4/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
A6	8.5	A6-8.5'	5/5/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
A7	8.5	A7-8.5'	5/5/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
A8	8.5	A8-8.5'	5/5/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
A9	8.5	A9-8.5'	5/5/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
A11	8.5	A11-8.5'	5/5/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
B1	8.5	B1-8.5'	5/4/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
B2	8.5	B2-8.5'	5/5/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
B3	8.5	B3-8.5'	5/4/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
B6	8.5	B6-8.5'	5/4/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
B7	8.5	B7-8.5'	5/5/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
B8	8.5	B8-8.5'	5/5/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
B9	8.5	B9-8.5'	5/5/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
B10	8.5	B10-8.5'	5/5/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
B11	8.5	B11-8.5'	5/5/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
LB1	8.5	LB1-8.5'	5/6/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
LB2	8.5	LB2-8.5'	5/6/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
LB3	8.5	LB3-8.5'	5/6/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
LB4	8.5	LB4-8.5'	5/5/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
LB5	8.5	LB5-8.5'	5/5/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
A12	11	A12-11'	5/5/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
A13	11	A13-11'	5/5/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
B12	11	B12-11'	5/5/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
B13	11	B13-11'	5/6/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
B14	11	B14-11'	5/6/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
LB6	11	LB6-11'	5/5/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
LB7	11	LB7-11'	5/5/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
LB8	11	LB8-11'	5/5/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
LB3	1D	LB3-1'-D	5/6/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
LB5	1D	LB5-1D	5/5/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
B12	5D	B12-5'D	5/5/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
A3	8.5D	A3-8.5'-D	5/4/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
A11	8.5D	A11-8.5'-D	5/5/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
B8	8.5D	B8-8.5D	5/5/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
B5	1	B5-1'	5/4/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
B4	4.5	B4-4.5'	5/4/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
B5	4.5	B5-4.5'	5/4/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
B4	8.5	B4-8.5'	5/4/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
B5	8.5	B5-8.5'	5/4/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
B4	4.5D	B4-4.5D	5/4/2016	95-49-8	2-Chlorotoluene	ND	µg/kg	1
A1	1	A1-1'	5/4/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
A5B	1	A5B-1'	5/4/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
A6	1	A6-1'	5/5/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
A7	1	A7-1'	5/5/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
A8	1	A8-1'	5/5/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
A9	1	A9-1'	5/5/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
A10	1	A10-1'	5/5/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
A11	1	A11-1'	5/5/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
A12	1	A12-1'	5/5/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
A13	1	A13-1'	5/5/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
B1	1	B1-1'	5/4/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
B2	1	B2-1'	5/5/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
B3	1	B3-1'	5/4/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
B4	1	B4-1'	5/4/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
B6	1	B6-1'	5/4/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
B8	1	B8-1'	5/5/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
B9	1	B9-1'	5/5/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
B10	1	B10-1'	5/7/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
B11	1	B11-1'	5/5/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
B12	1	B12-1'	5/5/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
B13	1	B13-1'	5/6/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
B14	1	B14-1'	5/6/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
B15	1	B15-1'	5/6/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
LB1	1	LB1-1'	5/6/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
LB2	1	LB2-1'	5/6/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
LB3	1	LB3-1'	5/6/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
LB4	1	LB4-1'	5/5/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
LB5	1	LB5-1'	5/5/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
LB6	1	LB6-1'	5/5/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
LB7	1	LB7-1'	5/5/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
LB8	1	LB8-1'	5/5/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
A5	1.25	A5-1.25'	5/4/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
A7	3.5	A7-3.5'	5/5/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
B15	4	B15-4'	5/6/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
A1	4.5	A1-4.5'	5/4/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
A2	4.5	A2-4.5'	5/4/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
A3	4.5	A3-4.5'	5/4/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
A4	4.5	A4-4.5'	5/4/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
A5	4.5	A5-4.5'	5/4/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
A5B	4.5	A5B-4.5'	5/4/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
A6	4.5	A6-4.5'	5/5/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
A8	4.5	A8-4.5'	5/5/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
A9	4.5	A9-4.5'	5/5/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
A11	4.5	A11-4.5'	5/5/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
B1	4.5	B1-4.5'	5/4/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
B2	4.5	B2-4.5'	5/5/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
B3	4.5	B3-4.5'	5/4/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
B6	4.5	B6-4.5'	5/4/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
B7	4.5	B7-4.5'	5/5/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
B8	4.5	B8-4.5'	5/5/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
B9	4.5	B9-4.5'	5/5/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
B10	4.5	B10-4.5'	5/5/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
B11	4.5	B11-4.5'	5/5/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
LB	4.5	LB-4.5'	5/6/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
LB1	4.5	LB1-4.5'	5/6/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
LB3	4.5	LB3-4.5'	5/6/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
LB4	4.5	LB4-4.5'	5/5/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
LB5	4.5	LB5-4.5'	5/5/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
A12	5	A12-5'	5/5/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
A13	5	A13-5'	5/5/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
B12	5	B12-5'	5/5/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
B13	5	B13-5'	5/6/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
B14	5	B14-5'	5/8/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
B15	5	B15-5'	5/6/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
LB6	5	LB6-5'	5/5/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
LB7	5	LB7-5'	5/5/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
LB8	5	LB8-5'	5/5/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
A1	8.5	A1-8.5'	5/4/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
A2	8.5	A2-8.5'	5/4/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
A3	8.5	A3-8.5'	5/4/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
A4	8.5	A4-8.5'	5/4/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
A5B	8.5	A5B-8.5'	5/4/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
A6	8.5	A6-8.5'	5/5/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
A7	8.5	A7-8.5'	5/5/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
A8	8.5	A8-8.5'	5/5/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
A9	8.5	A9-8.5'	5/5/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
A11	8.5	A11-8.5'	5/5/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
B1	8.5	B1-8.5'	5/4/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
B2	8.5	B2-8.5'	5/5/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
B3	8.5	B3-8.5'	5/4/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
B6	8.5	B6-8.5'	5/4/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
B7	8.5	B7-8.5'	5/5/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
B8	8.5	B8-8.5'	5/5/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
B9	8.5	B9-8.5'	5/5/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
B10	8.5	B10-8.5'	5/5/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
B11	8.5	B11-8.5'	5/5/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
LB1	8.5	LB1-8.5'	5/6/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
LB2	8.5	LB2-8.5'	5/6/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
LB3	8.5	LB3-8.5'	5/6/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
LB4	8.5	LB4-8.5'	5/5/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
LB5	8.5	LB5-8.5'	5/5/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
A12	11	A12-11'	5/5/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
A13	11	A13-11'	5/5/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
B12	11	B12-11'	5/5/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
B13	11	B13-11'	5/6/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
B14	11	B14-11'	5/6/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
LB6	11	LB6-11'	5/5/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
LB7	11	LB7-11'	5/5/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
LB8	11	LB8-11'	5/5/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
LB3	1D	LB3-1'-D	5/6/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
LB5	1D	LB5-1D	5/5/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
B12	5D	B12-5'D	5/5/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
A3	8.5D	A3-8.5'-D	5/4/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
A11	8.5D	A11-8.5'-D	5/5/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
B8	8.5D	B8-8.5D	5/5/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
B5	1	B5-1'	5/4/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
B4	4.5	B4-4.5'	5/4/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
B5	4.5	B5-4.5'	5/4/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
B4	8.5	B4-8.5'	5/4/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
B5	8.5	B5-8.5'	5/4/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
B4	4.5D	B4-4.5D	5/4/2016	106-43-4	4-Chlorotoluene	ND	µg/kg	1
A1	1	A1-1'	5/4/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
A5B	1	A5B-1'	5/4/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
A6	1	A6-1'	5/5/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
A7	1	A7-1'	5/5/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
A8	1	A8-1'	5/5/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
A9	1	A9-1'	5/5/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
A10	1	A10-1'	5/5/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
A11	1	A11-1'	5/5/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
A12	1	A12-1'	5/5/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
A13	1	A13-1'	5/5/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
B1	1	B1-1'	5/4/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
B2	1	B2-1'	5/5/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
B3	1	B3-1'	5/4/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
B4	1	B4-1'	5/4/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
B5	1	B5-1'	5/4/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
B6	1	B6-1'	5/4/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
B7	1	B7-1'	5/5/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
B8	1	B8-1'	5/5/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
B9	1	B9-1'	5/5/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
B10	1	B10-1'	5/7/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
B11	1	B11-1'	5/5/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
B12	1	B12-1'	5/5/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
B13	1	B13-1'	5/6/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
B14	1	B14-1'	5/6/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
B15	1	B15-1'	5/6/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
LB1	1	LB1-1'	5/6/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
LB2	1	LB2-1'	5/6/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
LB3	1	LB3-1'	5/6/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
LB4	1	LB4-1'	5/5/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
LB5	1	LB5-1'	5/5/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
LB6	1	LB6-1'	5/5/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
LB7	1	LB7-1'	5/5/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
LB8	1	LB8-1'	5/5/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
A5	1.25	A5-1.25'	5/4/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
A7	3.5	A7-3.5'	5/5/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
B15	4	B15-4'	5/6/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
A1	4.5	A1-4.5'	5/4/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
A2	4.5	A2-4.5'	5/4/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
A3	4.5	A3-4.5'	5/4/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
A4	4.5	A4-4.5'	5/4/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
A5	4.5	A5-4.5'	5/4/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
A5B	4.5	A5B-4.5'	5/4/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
A6	4.5	A6-4.5'	5/5/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
A8	4.5	A8-4.5'	5/5/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
A9	4.5	A9-4.5'	5/5/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
A11	4.5	A11-4.5'	5/5/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
B1	4.5	B1-4.5'	5/4/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
B2	4.5	B2-4.5'	5/5/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
B3	4.5	B3-4.5'	5/4/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
B4	4.5	B4-4.5'	5/4/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
B5	4.5	B5-4.5'	5/4/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
B6	4.5	B6-4.5'	5/4/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
B7	4.5	B7-4.5'	5/5/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
B8	4.5	B8-4.5'	5/5/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
B9	4.5	B9-4.5'	5/5/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
B10	4.5	B10-4.5'	5/5/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
B11	4.5	B11-4.5'	5/5/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
LB	4.5	LB-4.5'	5/6/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
LB1	4.5	LB1-4.5'	5/6/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
LB3	4.5	LB3-4.5'	5/6/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
LB4	4.5	LB4-4.5'	5/5/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
LB5	4.5	LB5-4.5'	5/5/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
A12	5	A12-5'	5/5/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
A13	5	A13-5'	5/5/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
B12	5	B12-5'	5/5/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
B13	5	B13-5'	5/6/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
B14	5	B14-5'	5/8/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
B15	5	B15-5'	5/6/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
LB6	5	LB6-5'	5/5/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
LB7	5	LB7-5'	5/5/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
LB8	5	LB8-5'	5/5/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
A1	8.5	A1-8.5'	5/4/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
A2	8.5	A2-8.5'	5/4/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
A3	8.5	A3-8.5'	5/4/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
A4	8.5	A4-8.5'	5/4/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
A5B	8.5	A5B-8.5'	5/4/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
A6	8.5	A6-8.5'	5/5/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
A7	8.5	A7-8.5'	5/5/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
A8	8.5	A8-8.5'	5/5/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
A9	8.5	A9-8.5'	5/5/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
A11	8.5	A11-8.5'	5/5/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
B1	8.5	B1-8.5'	5/4/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
B2	8.5	B2-8.5'	5/5/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
B3	8.5	B3-8.5'	5/4/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
B4	8.5	B4-8.5'	5/4/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
B5	8.5	B5-8.5'	5/4/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
B6	8.5	B6-8.5'	5/4/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
B7	8.5	B7-8.5'	5/5/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
B8	8.5	B8-8.5'	5/5/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
B9	8.5	B9-8.5'	5/5/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
B10	8.5	B10-8.5'	5/5/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
B11	8.5	B11-8.5'	5/5/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
LB1	8.5	LB1-8.5'	5/6/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
LB2	8.5	LB2-8.5'	5/6/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
LB3	8.5	LB3-8.5'	5/6/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
LB4	8.5	LB4-8.5'	5/5/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
LB5	8.5	LB5-8.5'	5/5/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
A12	11	A12-11'	5/5/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
A13	11	A13-11'	5/5/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
B12	11	B12-11'	5/5/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
B13	11	B13-11'	5/6/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
B14	11	B14-11'	5/6/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
LB6	11	LB6-11'	5/5/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
LB7	11	LB7-11'	5/5/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
LB8	11	LB8-11'	5/5/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
LB3	1D	LB3-1'-D	5/6/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
LB5	1D	LB5-1D	5/5/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
B4	4.5D	B4-4.5D	5/4/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
B12	5D	B12-5'D	5/5/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
A3	8.5D	A3-8.5'-D	5/4/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
A11	8.5D	A11-8.5'-D	5/5/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
B8	8.5D	B8-8.5D	5/5/2016	99-87-6	4-Isopropyltoluene	ND	µg/kg	1
NP-4	10	NP-4-10	10/11/2017	67-64-1	Acetone	ND	µg/kg	300
NP-2	6	NP-2-6	10/9/2017	67-64-1	Acetone	27	µg/kg	6
NP-3	12	NP-3-12	10/10/2017	67-64-1	Acetone	8.3	µg/kg	6.2
NP-1	12	NP-1-12	10/9/2017	67-64-1	Acetone	6.2	µg/kg	4.6
SS-2	10	SS-2-10	6/28/2012	7440-36-0	Antimony	ND	mg/kg	0.75
SS-3	10	SS-3-10	6/28/2012	7440-36-0	Antimony	ND	mg/kg	0.75
SS-6	10	SS-6-10	6/28/2012	7440-36-0	Antimony	ND	mg/kg	0.75
A1	1	A1-1'	5/4/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
A5B	1	A5B-1'	5/4/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
A6	1	A6-1'	5/5/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
A7	1	A7-1'	5/5/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
A8	1	A8-1'	5/5/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
A9	1	A9-1'	5/5/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
A10	1	A10-1'	5/5/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
A11	1	A11-1'	5/5/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
A12	1	A12-1'	5/5/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
A13	1	A13-1'	5/5/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
B1	1	B1-1'	5/4/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
B2	1	B2-1'	5/5/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
B3	1	B3-1'	5/4/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
B4	1	B4-1'	5/4/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
B5	1	B5-1'	5/4/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
B6	1	B6-1'	5/4/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
B8	1	B8-1'	5/5/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
B9	1	B9-1'	5/5/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
B10	1	B10-1'	5/5/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
B11	1	B11-1'	5/5/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
B12	1	B12-1'	5/5/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
B13	1	B13-1'	5/6/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
B14	1	B14-1'	5/6/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
LB1	1	LB1-1'	5/6/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
LB2	1	LB2-1'	5/6/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
LB3	1	LB3-1'	5/6/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
LB4	1	LB4-1'	5/5/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
LB5	1	LB5-1'	5/5/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
LB6	1	LB6-1'	5/5/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
LB7	1	LB7-1'	5/5/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
LB8	1	LB8-1'	5/5/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
A5	1.25	A5-1.25'	5/4/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
A7	3.5	A7-3.5'	5/5/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
B15	4	B15-4'	5/6/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
A1	4.5	A1-4.5'	5/4/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
A2	4.5	A2-4.5'	5/4/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
A3	4.5	A3-4.5'	5/4/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
A4	4.5	A4-4.5'	5/4/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
A5	4.5	A5-4.5'	5/4/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
A5B	4.5	A5B-4.5'	5/4/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
A6	4.5	A6-4.5'	5/5/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
A8	4.5	A8-4.5'	5/5/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
A9	4.5	A9-4.5'	5/5/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
A11	4.5	A11-4.5'	5/5/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
B1	4.5	B1-4.5'	5/4/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
B2	4.5	B2-4.5'	5/5/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
B3	4.5	B3-4.5'	5/4/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
B4	4.5	B4-4.5'	5/4/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
B5	4.5	B5-4.5'	5/4/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
B6	4.5	B6-4.5'	5/4/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
B7	4.5	B7-4.5'	5/5/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
B8	4.5	B8-4.5'	5/5/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
B9	4.5	B9-4.5'	5/5/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
B10	4.5	B10-4.5'	5/5/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
B11	4.5	B11-4.5'	5/5/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
LB1	4.5	LB1-4.5'	5/6/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
LB2	4.5	LB2-4.5'	5/6/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
LB3	4.5	LB3-4.5'	5/6/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
LB4	4.5	LB4-4.5'	5/5/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
LB5	4.5	LB5-4.5'	5/5/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
A12	5	A12-5'	5/5/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
A13	5	A13-5'	5/5/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
B12	5	B12-5'	5/5/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
B13	5	B13-5'	5/6/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
B14	5	B14-5'	5/6/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
B15	5	B15-5'	5/6/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
LB6	5	LB6-5'	5/5/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
LB7	5	LB7-5'	5/5/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
LB8	5	LB8-5'	5/5/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
A1	8.5	A1-8.5'	5/4/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
A2	8.5	A2-8.5'	5/4/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
A3	8.5	A3-8.5'	5/4/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
A4	8.5	A4-8.5'	5/4/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
A5B	8.5	A5B-8.5'	5/4/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
A6	8.5	A6-8.5'	5/5/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
A7	8.5	A7-8.5'	5/5/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
A8	8.5	A8-8.5'	5/5/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
A9	8.5	A9-8.5'	5/5/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
A11	8.5	A11-8.5'	5/5/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
B1	8.5	B1-8.5'	5/4/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
B2	8.5	B2-8.5'	5/5/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
B3	8.5	B3-8.5'	5/4/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
B4	8.5	B4-8.5'	5/4/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
B5	8.5	B5-8.5'	5/4/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
B6	8.5	B6-8.5'	5/4/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
B7	8.5	B7-8.5'	5/5/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
B8	8.5	B8-8.5'	5/5/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
B9	8.5	B9-8.5'	5/5/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
B10	8.5	B10-8.5'	5/5/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
B11	8.5	B11-8.5'	5/5/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
LB1	8.5	LB1-8.5'	5/6/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
LB2	8.5	LB2-8.5'	5/6/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
LB3	8.5	LB3-8.5'	5/6/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
LB4	8.5	LB4-8.5'	5/5/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
LB5	8.5	LB5-8.5'	5/5/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
A12	11	A12-11'	5/5/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
A13	11	A13-11'	5/5/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
B12	11	B12-11'	5/5/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
B13	11	B13-11'	5/6/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
B14	11	B14-11'	5/6/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
LB6	11	LB6-11'	5/5/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
LB7	11	LB7-11'	5/5/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
LB8	11	LB8-11'	5/5/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
LB3	1D	LB3-1'-D	5/6/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
LB5	1D	LB5-1D	5/5/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
B4	4.5D	B4-4.5D	5/4/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
B12	5D	B12-5'D	5/5/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
A3	8.5D	A3-8.5D	5/4/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
A11	8.5D	A11-8.5'-D	5/5/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
B8	8.5D	B8-8.5D	5/5/2016	7440-36-0	Antimony, Sb	ND	mg/kg	0.5
SS-3	10	SS-3-10	6/28/2012	7440-38-2	Arsenic	6.83	mg/kg	0.75

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
SS-6	10	SS-6-10	6/28/2012	7440-38-2	Arsenic	6.59	mg/kg	0.75
SS-2	10	SS-2-10	6/28/2012	7440-38-2	Arsenic	6.23	mg/kg	0.75
A7	3.5	A7-3.5'	5/5/2016	7440-38-2	Arsenic, As	2.4	mg/kg	0.5
B4	1	B4-1'	5/4/2016	7440-38-2	Arsenic, As	2.3	mg/kg	0.5
A1	1	A1-1'	5/4/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
A5B	1	A5B-1'	5/4/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
A6	1	A6-1'	5/5/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
A7	1	A7-1'	5/5/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
A8	1	A8-1'	5/5/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
A9	1	A9-1'	5/5/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
A10	1	A10-1'	5/5/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
A11	1	A11-1'	5/5/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
A12	1	A12-1'	5/5/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
A13	1	A13-1'	5/5/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
B1	1	B1-1'	5/4/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
B2	1	B2-1'	5/5/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
B3	1	B3-1'	5/4/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
B5	1	B5-1'	5/4/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
B6	1	B6-1'	5/4/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
B8	1	B8-1'	5/5/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
B9	1	B9-1'	5/5/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
B10	1	B10-1'	5/5/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
B11	1	B11-1'	5/5/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
B12	1	B12-1'	5/5/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
B13	1	B13-1'	5/6/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
B14	1	B14-1'	5/6/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
LB1	1	LB1-1'	5/6/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
LB2	1	LB2-1'	5/6/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
LB3	1	LB3-1'	5/6/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
LB4	1	LB4-1'	5/5/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
LB5	1	LB5-1'	5/5/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
LB6	1	LB6-1'	5/5/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
LB7	1	LB7-1'	5/5/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
LB8	1	LB8-1'	5/5/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
A5	1.25	A5-1.25'	5/4/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
B15	4	B15-4'	5/6/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
A1	4.5	A1-4.5'	5/4/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
A2	4.5	A2-4.5'	5/4/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
A3	4.5	A3-4.5'	5/4/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
A4	4.5	A4-4.5'	5/4/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
A5	4.5	A5-4.5'	5/4/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
A5B	4.5	A5B-4.5'	5/4/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
A6	4.5	A6-4.5'	5/5/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
A8	4.5	A8-4.5'	5/5/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
A9	4.5	A9-4.5'	5/5/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
A11	4.5	A11-4.5'	5/5/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
B1	4.5	B1-4.5'	5/4/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
B2	4.5	B2-4.5'	5/5/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
B3	4.5	B3-4.5'	5/4/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
B4	4.5	B4-4.5'	5/4/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
B5	4.5	B5-4.5'	5/4/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
B6	4.5	B6-4.5'	5/4/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
B7	4.5	B7-4.5'	5/5/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
B8	4.5	B8-4.5'	5/5/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
B9	4.5	B9-4.5'	5/5/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
B10	4.5	B10-4.5'	5/5/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
B11	4.5	B11-4.5'	5/5/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
LB1	4.5	LB1-4.5'	5/6/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
LB2	4.5	LB2-4.5'	5/6/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
LB3	4.5	LB3-4.5'	5/6/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
LB4	4.5	LB4-4.5'	5/5/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
LB5	4.5	LB5-4.5'	5/5/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
A12	5	A12-5'	5/5/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
A13	5	A13-5'	5/5/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
B12	5	B12-5'	5/5/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
B13	5	B13-5'	5/6/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
B14	5	B14-5'	5/6/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
B15	5	B15-5'	5/6/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
LB6	5	LB6-5'	5/5/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
LB7	5	LB7-5'	5/5/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
LB8	5	LB8-5'	5/5/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
A1	8.5	A1-8.5'	5/4/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
A2	8.5	A2-8.5'	5/4/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
A3	8.5	A3-8.5'	5/4/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
A4	8.5	A4-8.5'	5/4/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
A5B	8.5	A5B-8.5'	5/4/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
A6	8.5	A6-8.5'	5/5/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
A7	8.5	A7-8.5'	5/5/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
A8	8.5	A8-8.5'	5/5/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
A9	8.5	A9-8.5'	5/5/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
A11	8.5	A11-8.5'	5/5/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
B1	8.5	B1-8.5'	5/4/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
B2	8.5	B2-8.5'	5/5/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
B3	8.5	B3-8.5'	5/4/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
B4	8.5	B4-8.5'	5/4/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
B5	8.5	B5-8.5'	5/4/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
B6	8.5	B6-8.5'	5/4/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
B7	8.5	B7-8.5'	5/5/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
B8	8.5	B8-8.5'	5/5/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
B9	8.5	B9-8.5'	5/5/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
B10	8.5	B10-8.5'	5/5/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
B11	8.5	B11-8.5'	5/5/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
LB1	8.5	LB1-8.5'	5/6/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
LB2	8.5	LB2-8.5'	5/6/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
LB3	8.5	LB3-8.5'	5/6/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
LB4	8.5	LB4-8.5'	5/5/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
LB5	8.5	LB5-8.5'	5/5/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
A12	11	A12-11'	5/5/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
A13	11	A13-11'	5/5/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
B12	11	B12-11'	5/5/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
B13	11	B13-11'	5/6/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
B14	11	B14-11'	5/6/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
LB6	11	LB6-11'	5/5/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
LB7	11	LB7-11'	5/5/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
LB8	11	LB8-11'	5/5/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
LB3	1D	LB3-1'-D	5/6/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
LB5	1D	LB5-1D	5/5/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
B4	4.5D	B4-4.5D	5/4/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
B12	5D	B12-5'D	5/5/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
A3	8.5D	A3-8.5D	5/4/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
A11	8.5D	A11-8.5'-D	5/5/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
B8	8.5D	B8-8.5D	5/5/2016	7440-38-2	Arsenic, As	ND	mg/kg	0.5
SS-3	10	SS-3-10	6/28/2012	7440-39-3	Barium	168	mg/kg	0.5
SS-6	10	SS-6-10	6/28/2012	7440-39-3	Barium	166	mg/kg	0.5
SS-2	10	SS-2-10	6/28/2012	7440-39-3	Barium	75.7	mg/kg	0.5
A1	1	A1-1'	5/4/2016	7440-39-3	Barium, Ba	287	mg/kg	0.5
LB6	1	LB6-1'	5/5/2016	7440-39-3	Barium, Ba	260	mg/kg	0.5
B15	4	B15-4'	5/6/2016	7440-39-3	Barium, Ba	253	mg/kg	0.5
B12	5D	B12-5'D	5/5/2016	7440-39-3	Barium, Ba	252	mg/kg	0.5
A13	5	A13-5'	5/5/2016	7440-39-3	Barium, Ba	248	mg/kg	0.5
LB2	4.5	LB2-4.5'	5/6/2016	7440-39-3	Barium, Ba	246	mg/kg	0.5
A12	5	A12-5'	5/5/2016	7440-39-3	Barium, Ba	246	mg/kg	0.5
A1	8.5	A1-8.5'	5/4/2016	7440-39-3	Barium, Ba	246	mg/kg	0.5
A12	11	A12-11'	5/5/2016	7440-39-3	Barium, Ba	241	mg/kg	0.5
B10	8.5	B10-8.5'	5/5/2016	7440-39-3	Barium, Ba	236	mg/kg	0.5
B2	4.5	B2-4.5'	5/5/2016	7440-39-3	Barium, Ba	235	mg/kg	0.5
A3	8.5	A3-8.5'	5/4/2016	7440-39-3	Barium, Ba	231	mg/kg	0.5
A12	1	A12-1'	5/5/2016	7440-39-3	Barium, Ba	228	mg/kg	0.5
LB8	5	LB8-5'	5/5/2016	7440-39-3	Barium, Ba	227	mg/kg	0.5
B13	5	B13-5'	5/6/2016	7440-39-3	Barium, Ba	226	mg/kg	0.5
B13	11	B13-11'	5/6/2016	7440-39-3	Barium, Ba	226	mg/kg	0.5
A1	4.5	A1-4.5'	5/4/2016	7440-39-3	Barium, Ba	225	mg/kg	0.5
B12	1	B12-1'	5/5/2016	7440-39-3	Barium, Ba	221	mg/kg	0.5
B10	4.5	B10-4.5'	5/5/2016	7440-39-3	Barium, Ba	221	mg/kg	0.5
B11	8.5	B11-8.5'	5/5/2016	7440-39-3	Barium, Ba	221	mg/kg	0.5
A8	4.5	A8-4.5'	5/5/2016	7440-39-3	Barium, Ba	220	mg/kg	0.5
A3	4.5	A3-4.5'	5/4/2016	7440-39-3	Barium, Ba	218	mg/kg	0.5
B12	5	B12-5'	5/5/2016	7440-39-3	Barium, Ba	218	mg/kg	0.5
B12	11	B12-11'	5/5/2016	7440-39-3	Barium, Ba	218	mg/kg	0.5
B5	4.5	B5-4.5'	5/4/2016	7440-39-3	Barium, Ba	215	mg/kg	0.5
A13	11	A13-11'	5/5/2016	7440-39-3	Barium, Ba	211	mg/kg	0.5
LB8	11	LB8-11'	5/5/2016	7440-39-3	Barium, Ba	211	mg/kg	0.5
A13	1	A13-1'	5/5/2016	7440-39-3	Barium, Ba	210	mg/kg	0.5
LB1	8.5	LB1-8.5'	5/6/2016	7440-39-3	Barium, Ba	210	mg/kg	0.5
LB5	8.5	LB5-8.5'	5/5/2016	7440-39-3	Barium, Ba	209	mg/kg	0.5
B11	4.5	B11-4.5'	5/5/2016	7440-39-3	Barium, Ba	206	mg/kg	0.5
LB6	5	LB6-5'	5/5/2016	7440-39-3	Barium, Ba	205	mg/kg	0.5
A11	8.5	A11-8.5'	5/5/2016	7440-39-3	Barium, Ba	205	mg/kg	0.5
LB7	5	LB7-5'	5/5/2016	7440-39-3	Barium, Ba	201	mg/kg	0.5
B6	8.5	B6-8.5'	5/4/2016	7440-39-3	Barium, Ba	197	mg/kg	0.5
A11	1	A11-1'	5/5/2016	7440-39-3	Barium, Ba	196	mg/kg	0.5
LB3	1D	LB3-1'-D	5/6/2016	7440-39-3	Barium, Ba	194	mg/kg	0.5
B9	4.5	B9-4.5'	5/5/2016	7440-39-3	Barium, Ba	190	mg/kg	0.5
LB6	11	LB6-11'	5/5/2016	7440-39-3	Barium, Ba	190	mg/kg	0.5
A9	4.5	A9-4.5'	5/5/2016	7440-39-3	Barium, Ba	189	mg/kg	0.5
B7	4.5	B7-4.5'	5/5/2016	7440-39-3	Barium, Ba	189	mg/kg	0.5

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
LB5	4.5	LB5-4.5'	5/5/2016	7440-39-3	Barium, Ba	189	mg/kg	0.5
LB2	8.5	LB2-8.5'	5/6/2016	7440-39-3	Barium, Ba	188	mg/kg	0.5
B8	4.5	B8-4.5'	5/5/2016	7440-39-3	Barium, Ba	184	mg/kg	0.5
LB3	4.5	LB3-4.5'	5/6/2016	7440-39-3	Barium, Ba	184	mg/kg	0.5
LB5	1	LB5-1'	5/5/2016	7440-39-3	Barium, Ba	183	mg/kg	0.5
B4	1	B4-1'	5/4/2016	7440-39-3	Barium, Ba	182	mg/kg	0.5
B13	1	B13-1'	5/6/2016	7440-39-3	Barium, Ba	181	mg/kg	0.5
A5	1.25	A5-1.25'	5/4/2016	7440-39-3	Barium, Ba	181	mg/kg	0.5
LB8	1	LB8-1'	5/5/2016	7440-39-3	Barium, Ba	179	mg/kg	0.5
B14	11	B14-11'	5/6/2016	7440-39-3	Barium, Ba	179	mg/kg	0.5
A7	8.5	A7-8.5'	5/5/2016	7440-39-3	Barium, Ba	176	mg/kg	0.5
B10	1	B10-1'	5/5/2016	7440-39-3	Barium, Ba	169	mg/kg	0.5
LB7	1	LB7-1'	5/5/2016	7440-39-3	Barium, Ba	166	mg/kg	0.5
A6	8.5	A6-8.5'	5/5/2016	7440-39-3	Barium, Ba	166	mg/kg	0.5
B3	1	B3-1'	5/4/2016	7440-39-3	Barium, Ba	163	mg/kg	0.5
B5	8.5	B5-8.5'	5/4/2016	7440-39-3	Barium, Ba	162	mg/kg	0.5
LB7	11	LB7-11'	5/5/2016	7440-39-3	Barium, Ba	161	mg/kg	0.5
LB4	1	LB4-1'	5/5/2016	7440-39-3	Barium, Ba	159	mg/kg	0.5
B9	8.5	B9-8.5'	5/5/2016	7440-39-3	Barium, Ba	158	mg/kg	0.5
B1	8.5	B1-8.5'	5/4/2016	7440-39-3	Barium, Ba	156	mg/kg	0.5
B2	1	B2-1'	5/5/2016	7440-39-3	Barium, Ba	155	mg/kg	0.5
B6	1	B6-1'	5/4/2016	7440-39-3	Barium, Ba	153	mg/kg	0.5
B8	8.5	B8-8.5'	5/5/2016	7440-39-3	Barium, Ba	153	mg/kg	0.5
B11	1	B11-1'	5/5/2016	7440-39-3	Barium, Ba	152	mg/kg	0.5
A2	4.5	A2-4.5'	5/4/2016	7440-39-3	Barium, Ba	152	mg/kg	0.5
A5B	8.5	A5B-8.5'	5/4/2016	7440-39-3	Barium, Ba	152	mg/kg	0.5
B1	1	B1-1'	5/4/2016	7440-39-3	Barium, Ba	151	mg/kg	0.5
B4	4.5	B4-4.5'	5/4/2016	7440-39-3	Barium, Ba	151	mg/kg	0.5
LB1	1	LB1-1'	5/6/2016	7440-39-3	Barium, Ba	148	mg/kg	0.5
A5B	1	A5B-1'	5/4/2016	7440-39-3	Barium, Ba	147	mg/kg	0.5
LB3	1	LB3-1'	5/6/2016	7440-39-3	Barium, Ba	146	mg/kg	0.5
A10	1	A10-1'	5/5/2016	7440-39-3	Barium, Ba	145	mg/kg	0.5
LB1	4.5	LB1-4.5'	5/6/2016	7440-39-3	Barium, Ba	145	mg/kg	0.5
A5B	4.5	A5B-4.5'	5/4/2016	7440-39-3	Barium, Ba	137	mg/kg	0.5
A6	4.5	A6-4.5'	5/5/2016	7440-39-3	Barium, Ba	136	mg/kg	0.5
B3	4.5	B3-4.5'	5/4/2016	7440-39-3	Barium, Ba	136	mg/kg	0.5
A7	1	A7-1'	5/5/2016	7440-39-3	Barium, Ba	131	mg/kg	0.5
A8	1	A8-1'	5/5/2016	7440-39-3	Barium, Ba	131	mg/kg	0.5
B8	8.5D	B8-8.5D	5/5/2016	7440-39-3	Barium, Ba	131	mg/kg	0.5
B15	5	B15-5'	5/6/2016	7440-39-3	Barium, Ba	130	mg/kg	0.5
A8	8.5	A8-8.5'	5/5/2016	7440-39-3	Barium, Ba	129	mg/kg	0.5
B1	4.5	B1-4.5'	5/4/2016	7440-39-3	Barium, Ba	128	mg/kg	0.5
A9	1	A9-1'	5/5/2016	7440-39-3	Barium, Ba	126	mg/kg	0.5
A11	4.5	A11-4.5'	5/5/2016	7440-39-3	Barium, Ba	126	mg/kg	0.5
LB4	4.5	LB4-4.5'	5/5/2016	7440-39-3	Barium, Ba	126	mg/kg	0.5
B6	4.5	B6-4.5'	5/4/2016	7440-39-3	Barium, Ba	125	mg/kg	0.5
A11	8.5D	A11-8.5'-D	5/5/2016	7440-39-3	Barium, Ba	123	mg/kg	0.5
B3	8.5	B3-8.5'	5/4/2016	7440-39-3	Barium, Ba	122	mg/kg	0.5
LB4	8.5	LB4-8.5'	5/5/2016	7440-39-3	Barium, Ba	120	mg/kg	0.5
B9	1	B9-1'	5/5/2016	7440-39-3	Barium, Ba	116	mg/kg	0.5
A9	8.5	A9-8.5'	5/5/2016	7440-39-3	Barium, Ba	115	mg/kg	0.5
A5	4.5	A5-4.5'	5/4/2016	7440-39-3	Barium, Ba	114	mg/kg	0.5

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
A2	8.5	A2-8.5'	5/4/2016	7440-39-3	Barium, Ba	111	mg/kg	0.5
B2	8.5	B2-8.5'	5/5/2016	7440-39-3	Barium, Ba	111	mg/kg	0.5
B4	4.5D	B4-4.5D	5/4/2016	7440-39-3	Barium, Ba	97.6	mg/kg	0.5
A4	4.5	A4-4.5'	5/4/2016	7440-39-3	Barium, Ba	97.4	mg/kg	0.5
LB3	8.5	LB3-8.5'	5/6/2016	7440-39-3	Barium, Ba	94.4	mg/kg	0.5
B4	8.5	B4-8.5'	5/4/2016	7440-39-3	Barium, Ba	91.6	mg/kg	0.5
B14	1	B14-1'	5/6/2016	7440-39-3	Barium, Ba	88.8	mg/kg	0.5
A4	8.5	A4-8.5'	5/4/2016	7440-39-3	Barium, Ba	88.5	mg/kg	0.5
B8	1	B8-1'	5/5/2016	7440-39-3	Barium, Ba	87.8	mg/kg	0.5
A3	8.5D	A3-8.5D	5/4/2016	7440-39-3	Barium, Ba	84.5	mg/kg	0.5
B14	5	B14-5'	5/6/2016	7440-39-3	Barium, Ba	84.3	mg/kg	0.5
B7	8.5	B7-8.5'	5/5/2016	7440-39-3	Barium, Ba	81.2	mg/kg	0.5
B5	1	B5-1'	5/4/2016	7440-39-3	Barium, Ba	66.2	mg/kg	0.5
LB2	1	LB2-1'	5/6/2016	7440-39-3	Barium, Ba	59.5	mg/kg	0.5
A6	1	A6-1'	5/5/2016	7440-39-3	Barium, Ba	45.9	mg/kg	0.5
LB5	1D	LB5-1D	5/5/2016	7440-39-3	Barium, Ba	41.4	mg/kg	0.5
A7	3.5	A7-3.5'	5/5/2016	7440-39-3	Barium, Ba	34.5	mg/kg	0.5
NP-4	10	NP-4-10	10/11/2017	71-43-2	Benzene	ND	µg/kg	6.3
B8	1	B8-1'	5/5/2016	71-43-2	Benzene	4.3	µg/kg	1
A9	1	A9-1'	5/5/2016	71-43-2	Benzene	3	µg/kg	1
B7	1	B7-1'	5/5/2016	71-43-2	Benzene	1.7	µg/kg	1
A1	1	A1-1'	5/4/2016	71-43-2	Benzene	ND	µg/kg	1
A5B	1	A5B-1'	5/4/2016	71-43-2	Benzene	ND	µg/kg	1
A6	1	A6-1'	5/5/2016	71-43-2	Benzene	ND	µg/kg	1
A7	1	A7-1'	5/5/2016	71-43-2	Benzene	ND	µg/kg	1
A8	1	A8-1'	5/5/2016	71-43-2	Benzene	ND	µg/kg	1
A10	1	A10-1'	5/5/2016	71-43-2	Benzene	ND	µg/kg	1
A11	1	A11-1'	5/5/2016	71-43-2	Benzene	ND	µg/kg	1
A12	1	A12-1'	5/5/2016	71-43-2	Benzene	ND	µg/kg	1
A13	1	A13-1'	5/5/2016	71-43-2	Benzene	ND	µg/kg	1
B1	1	B1-1'	5/4/2016	71-43-2	Benzene	ND	µg/kg	1
B2	1	B2-1'	5/5/2016	71-43-2	Benzene	ND	µg/kg	1
B3	1	B3-1'	5/4/2016	71-43-2	Benzene	ND	µg/kg	1
B4	1	B4-1'	5/4/2016	71-43-2	Benzene	ND	µg/kg	1
B6	1	B6-1'	5/4/2016	71-43-2	Benzene	ND	µg/kg	1
B9	1	B9-1'	5/5/2016	71-43-2	Benzene	ND	µg/kg	1
B10	1	B10-1'	5/7/2016	71-43-2	Benzene	ND	µg/kg	1
B11	1	B11-1'	5/5/2016	71-43-2	Benzene	ND	µg/kg	1
B12	1	B12-1'	5/5/2016	71-43-2	Benzene	ND	µg/kg	1
B13	1	B13-1'	5/6/2016	71-43-2	Benzene	ND	µg/kg	1
B14	1	B14-1'	5/6/2016	71-43-2	Benzene	ND	µg/kg	1
B15	1	B15-1'	5/6/2016	71-43-2	Benzene	ND	µg/kg	1
LB1	1	LB1-1'	5/6/2016	71-43-2	Benzene	ND	µg/kg	1
LB2	1	LB2-1'	5/6/2016	71-43-2	Benzene	ND	µg/kg	1
LB3	1	LB3-1'	5/6/2016	71-43-2	Benzene	ND	µg/kg	1
LB4	1	LB4-1'	5/5/2016	71-43-2	Benzene	ND	µg/kg	1
LB5	1	LB5-1'	5/5/2016	71-43-2	Benzene	ND	µg/kg	1
LB6	1	LB6-1'	5/5/2016	71-43-2	Benzene	ND	µg/kg	1
LB7	1	LB7-1'	5/5/2016	71-43-2	Benzene	ND	µg/kg	1
LB8	1	LB8-1'	5/5/2016	71-43-2	Benzene	ND	µg/kg	1
A5	1.25	A5-1.25'	5/4/2016	71-43-2	Benzene	ND	µg/kg	1
A7	3.5	A7-3.5'	5/5/2016	71-43-2	Benzene	ND	µg/kg	1

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
B15	4	B15-4'	5/6/2016	71-43-2	Benzene	ND	µg/kg	1
A1	4.5	A1-4.5'	5/4/2016	71-43-2	Benzene	ND	µg/kg	1
A2	4.5	A2-4.5'	5/4/2016	71-43-2	Benzene	ND	µg/kg	1
A3	4.5	A3-4.5'	5/4/2016	71-43-2	Benzene	ND	µg/kg	1
A4	4.5	A4-4.5'	5/4/2016	71-43-2	Benzene	ND	µg/kg	1
A5	4.5	A5-4.5'	5/4/2016	71-43-2	Benzene	ND	µg/kg	1
A5B	4.5	A5B-4.5'	5/4/2016	71-43-2	Benzene	ND	µg/kg	1
A6	4.5	A6-4.5'	5/5/2016	71-43-2	Benzene	ND	µg/kg	1
A8	4.5	A8-4.5'	5/5/2016	71-43-2	Benzene	ND	µg/kg	1
A9	4.5	A9-4.5'	5/5/2016	71-43-2	Benzene	ND	µg/kg	1
A11	4.5	A11-4.5'	5/5/2016	71-43-2	Benzene	ND	µg/kg	1
B1	4.5	B1-4.5'	5/4/2016	71-43-2	Benzene	ND	µg/kg	1
B2	4.5	B2-4.5'	5/5/2016	71-43-2	Benzene	ND	µg/kg	1
B3	4.5	B3-4.5'	5/4/2016	71-43-2	Benzene	ND	µg/kg	1
B6	4.5	B6-4.5'	5/4/2016	71-43-2	Benzene	ND	µg/kg	1
B7	4.5	B7-4.5'	5/5/2016	71-43-2	Benzene	ND	µg/kg	1
B8	4.5	B8-4.5'	5/5/2016	71-43-2	Benzene	ND	µg/kg	1
B9	4.5	B9-4.5'	5/5/2016	71-43-2	Benzene	ND	µg/kg	1
B10	4.5	B10-4.5'	5/5/2016	71-43-2	Benzene	ND	µg/kg	1
B11	4.5	B11-4.5'	5/5/2016	71-43-2	Benzene	ND	µg/kg	1
LB	4.5	LB-4.5'	5/6/2016	71-43-2	Benzene	ND	µg/kg	1
LB1	4.5	LB1-4.5'	5/6/2016	71-43-2	Benzene	ND	µg/kg	1
LB3	4.5	LB3-4.5'	5/6/2016	71-43-2	Benzene	ND	µg/kg	1
LB4	4.5	LB4-4.5'	5/5/2016	71-43-2	Benzene	ND	µg/kg	1
LB5	4.5	LB5-4.5'	5/5/2016	71-43-2	Benzene	ND	µg/kg	1
A12	5	A12-5'	5/5/2016	71-43-2	Benzene	ND	µg/kg	1
A13	5	A13-5'	5/5/2016	71-43-2	Benzene	ND	µg/kg	1
B12	5	B12-5'	5/5/2016	71-43-2	Benzene	ND	µg/kg	1
B13	5	B13-5'	5/6/2016	71-43-2	Benzene	ND	µg/kg	1
B14	5	B14-5'	5/8/2016	71-43-2	Benzene	ND	µg/kg	1
B15	5	B15-5'	5/6/2016	71-43-2	Benzene	ND	µg/kg	1
LB6	5	LB6-5'	5/5/2016	71-43-2	Benzene	ND	µg/kg	1
LB7	5	LB7-5'	5/5/2016	71-43-2	Benzene	ND	µg/kg	1
LB8	5	LB8-5'	5/5/2016	71-43-2	Benzene	ND	µg/kg	1
A1	8.5	A1-8.5'	5/4/2016	71-43-2	Benzene	ND	µg/kg	1
A2	8.5	A2-8.5'	5/4/2016	71-43-2	Benzene	ND	µg/kg	1
A3	8.5	A3-8.5'	5/4/2016	71-43-2	Benzene	ND	µg/kg	1
A4	8.5	A4-8.5'	5/4/2016	71-43-2	Benzene	ND	µg/kg	1
A5B	8.5	A5B-8.5'	5/4/2016	71-43-2	Benzene	ND	µg/kg	1
A6	8.5	A6-8.5'	5/5/2016	71-43-2	Benzene	ND	µg/kg	1
A7	8.5	A7-8.5'	5/5/2016	71-43-2	Benzene	ND	µg/kg	1
A8	8.5	A8-8.5'	5/5/2016	71-43-2	Benzene	ND	µg/kg	1
A9	8.5	A9-8.5'	5/5/2016	71-43-2	Benzene	ND	µg/kg	1
A11	8.5	A11-8.5'	5/5/2016	71-43-2	Benzene	ND	µg/kg	1
B1	8.5	B1-8.5'	5/4/2016	71-43-2	Benzene	ND	µg/kg	1
B2	8.5	B2-8.5'	5/5/2016	71-43-2	Benzene	ND	µg/kg	1
B3	8.5	B3-8.5'	5/4/2016	71-43-2	Benzene	ND	µg/kg	1
B6	8.5	B6-8.5'	5/4/2016	71-43-2	Benzene	ND	µg/kg	1
B7	8.5	B7-8.5'	5/5/2016	71-43-2	Benzene	ND	µg/kg	1
B8	8.5	B8-8.5'	5/5/2016	71-43-2	Benzene	ND	µg/kg	1
B9	8.5	B9-8.5'	5/5/2016	71-43-2	Benzene	ND	µg/kg	1
B10	8.5	B10-8.5'	5/5/2016	71-43-2	Benzene	ND	µg/kg	1

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
B11	8.5	B11-8.5'	5/5/2016	71-43-2	Benzene	ND	µg/kg	1
LB1	8.5	LB1-8.5'	5/6/2016	71-43-2	Benzene	ND	µg/kg	1
LB2	8.5	LB2-8.5'	5/6/2016	71-43-2	Benzene	ND	µg/kg	1
LB3	8.5	LB3-8.5'	5/6/2016	71-43-2	Benzene	ND	µg/kg	1
LB4	8.5	LB4-8.5'	5/5/2016	71-43-2	Benzene	ND	µg/kg	1
LB5	8.5	LB5-8.5'	5/5/2016	71-43-2	Benzene	ND	µg/kg	1
A12	11	A12-11'	5/5/2016	71-43-2	Benzene	ND	µg/kg	1
A13	11	A13-11'	5/5/2016	71-43-2	Benzene	ND	µg/kg	1
B12	11	B12-11'	5/5/2016	71-43-2	Benzene	ND	µg/kg	1
B13	11	B13-11'	5/6/2016	71-43-2	Benzene	ND	µg/kg	1
B14	11	B14-11'	5/6/2016	71-43-2	Benzene	ND	µg/kg	1
LB6	11	LB6-11'	5/5/2016	71-43-2	Benzene	ND	µg/kg	1
LB7	11	LB7-11'	5/5/2016	71-43-2	Benzene	ND	µg/kg	1
LB8	11	LB8-11'	5/5/2016	71-43-2	Benzene	ND	µg/kg	1
LB3	1D	LB3-1'-D	5/6/2016	71-43-2	Benzene	ND	µg/kg	1
LB5	1D	LB5-1D	5/5/2016	71-43-2	Benzene	ND	µg/kg	1
B12	5D	B12-5'D	5/5/2016	71-43-2	Benzene	ND	µg/kg	1
A3	8.5D	A3-8.5'-D	5/4/2016	71-43-2	Benzene	ND	µg/kg	1
A11	8.5D	A11-8.5'-D	5/5/2016	71-43-2	Benzene	ND	µg/kg	1
B8	8.5D	B8-8.5D	5/5/2016	71-43-2	Benzene	ND	µg/kg	1
NP-3	12	NP-3-12	10/10/2017	71-43-2	Benzene	0.19	µg/kg	0.13
NP-2	6	NP-2-6	10/9/2017	71-43-2	Benzene	0.17	µg/kg	0.13
NP-1	12	NP-1-12	10/9/2017	71-43-2	Benzene	ND	µg/kg	0.095
B5	1	B5-1'	5/4/2016	71-43-2	Benzene	ND	µg/kg	1
B4	4.5	B4-4.5'	5/4/2016	71-43-2	Benzene	ND	µg/kg	1
B5	4.5	B5-4.5'	5/4/2016	71-43-2	Benzene	ND	µg/kg	1
B4	8.5	B4-8.5'	5/4/2016	71-43-2	Benzene	ND	µg/kg	1
B5	8.5	B5-8.5'	5/4/2016	71-43-2	Benzene	ND	µg/kg	1
B4	4.5D	B4-4.5D	5/4/2016	71-43-2	Benzene	ND	µg/kg	1
NP-4	10	NP-4-10	10/11/2017	98-82-8	Benzene, (1-methylethyl)-	ND	µg/kg	27
NP-3	12	NP-3-12	10/10/2017	98-82-8	Benzene, (1-methylethyl)-	ND	µg/kg	0.55
NP-2	6	NP-2-6	10/9/2017	98-82-8	Benzene, (1-methylethyl)-	ND	µg/kg	0.53
NP-1	12	NP-1-12	10/9/2017	98-82-8	Benzene, (1-methylethyl)-	ND	µg/kg	0.4
NP-4	10	NP-4-10	10/11/2017	95-63-6	Benzene, 1,2,4-trimethyl-	ND	µg/kg	29
NP-3	12	NP-3-12	10/10/2017	95-63-6	Benzene, 1,2,4-trimethyl-	ND	µg/kg	0.59
NP-2	6	NP-2-6	10/9/2017	95-63-6	Benzene, 1,2,4-trimethyl-	ND	µg/kg	0.57
NP-1	12	NP-1-12	10/9/2017	95-63-6	Benzene, 1,2,4-trimethyl-	ND	µg/kg	0.43
NP-4	10	NP-4-10	10/11/2017	108-67-8	Benzene, 1,3,5-trimethyl-	ND	µg/kg	27
NP-3	12	NP-3-12	10/10/2017	108-67-8	Benzene, 1,3,5-trimethyl-	ND	µg/kg	0.55
NP-2	6	NP-2-6	10/9/2017	108-67-8	Benzene, 1,3,5-trimethyl-	ND	µg/kg	0.53
NP-1	12	NP-1-12	10/9/2017	108-67-8	Benzene, 1,3,5-trimethyl-	ND	µg/kg	0.4
SS-3	10	SS-3-10	6/28/2012	7440-41-7	Beryllium	0.387	mg/kg	0.25
SS-6	10	SS-6-10	6/28/2012	7440-41-7	Beryllium	0.337	mg/kg	0.25
SS-2	10	SS-2-10	6/28/2012	7440-41-7	Beryllium	ND	mg/kg	0.25
A1	1	A1-1'	5/4/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
A5B	1	A5B-1'	5/4/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
A6	1	A6-1'	5/5/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
A7	1	A7-1'	5/5/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
A8	1	A8-1'	5/5/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
A9	1	A9-1'	5/5/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
A10	1	A10-1'	5/5/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
A11	1	A11-1'	5/5/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
A12	1	A12-1'	5/5/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
A13	1	A13-1'	5/5/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
B1	1	B1-1'	5/4/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
B2	1	B2-1'	5/5/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
B3	1	B3-1'	5/4/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
B4	1	B4-1'	5/4/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
B5	1	B5-1'	5/4/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
B6	1	B6-1'	5/4/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
B8	1	B8-1'	5/5/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
B9	1	B9-1'	5/5/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
B10	1	B10-1'	5/5/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
B11	1	B11-1'	5/5/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
B12	1	B12-1'	5/5/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
B13	1	B13-1'	5/6/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
B14	1	B14-1'	5/6/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
LB1	1	LB1-1'	5/6/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
LB2	1	LB2-1'	5/6/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
LB3	1	LB3-1'	5/6/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
LB4	1	LB4-1'	5/5/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
LB5	1	LB5-1'	5/5/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
LB6	1	LB6-1'	5/5/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
LB7	1	LB7-1'	5/5/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
LB8	1	LB8-1'	5/5/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
A5	1.25	A5-1.25'	5/4/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
A7	3.5	A7-3.5'	5/5/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
B15	4	B15-4'	5/6/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
A1	4.5	A1-4.5'	5/4/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
A2	4.5	A2-4.5'	5/4/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
A3	4.5	A3-4.5'	5/4/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
A4	4.5	A4-4.5'	5/4/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
A5	4.5	A5-4.5'	5/4/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
A5B	4.5	A5B-4.5'	5/4/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
A6	4.5	A6-4.5'	5/5/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
A8	4.5	A8-4.5'	5/5/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
A9	4.5	A9-4.5'	5/5/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
A11	4.5	A11-4.5'	5/5/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
B1	4.5	B1-4.5'	5/4/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
B2	4.5	B2-4.5'	5/5/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
B3	4.5	B3-4.5'	5/4/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
B4	4.5	B4-4.5'	5/4/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
B5	4.5	B5-4.5'	5/4/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
B6	4.5	B6-4.5'	5/4/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
B7	4.5	B7-4.5'	5/5/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
B8	4.5	B8-4.5'	5/5/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
B9	4.5	B9-4.5'	5/5/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
B10	4.5	B10-4.5'	5/5/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
B11	4.5	B11-4.5'	5/5/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
LB1	4.5	LB1-4.5'	5/6/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
LB2	4.5	LB2-4.5'	5/6/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
LB3	4.5	LB3-4.5'	5/6/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
LB4	4.5	LB4-4.5'	5/5/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
LB5	4.5	LB5-4.5'	5/5/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
A12	5	A12-5'	5/5/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
A13	5	A13-5'	5/5/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
B12	5	B12-5'	5/5/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
B13	5	B13-5'	5/6/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
B14	5	B14-5'	5/6/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
B15	5	B15-5'	5/6/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
LB6	5	LB6-5'	5/5/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
LB7	5	LB7-5'	5/5/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
LB8	5	LB8-5'	5/5/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
A1	8.5	A1-8.5'	5/4/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
A2	8.5	A2-8.5'	5/4/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
A3	8.5	A3-8.5'	5/4/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
A4	8.5	A4-8.5'	5/4/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
A5B	8.5	A5B-8.5'	5/4/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
A6	8.5	A6-8.5'	5/5/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
A7	8.5	A7-8.5'	5/5/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
A8	8.5	A8-8.5'	5/5/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
A9	8.5	A9-8.5'	5/5/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
A11	8.5	A11-8.5'	5/5/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
B1	8.5	B1-8.5'	5/4/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
B2	8.5	B2-8.5'	5/5/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
B3	8.5	B3-8.5'	5/4/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
B4	8.5	B4-8.5'	5/4/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
B5	8.5	B5-8.5'	5/4/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
B6	8.5	B6-8.5'	5/4/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
B7	8.5	B7-8.5'	5/5/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
B8	8.5	B8-8.5'	5/5/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
B9	8.5	B9-8.5'	5/5/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
B10	8.5	B10-8.5'	5/5/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
B11	8.5	B11-8.5'	5/5/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
LB1	8.5	LB1-8.5'	5/6/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
LB2	8.5	LB2-8.5'	5/6/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
LB3	8.5	LB3-8.5'	5/6/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
LB4	8.5	LB4-8.5'	5/5/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
LB5	8.5	LB5-8.5'	5/5/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
A12	11	A12-11'	5/5/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
A13	11	A13-11'	5/5/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
B12	11	B12-11'	5/5/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
B13	11	B13-11'	5/6/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
B14	11	B14-11'	5/6/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
LB6	11	LB6-11'	5/5/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
LB7	11	LB7-11'	5/5/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
LB8	11	LB8-11'	5/5/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
LB3	1D	LB3-1'-D	5/6/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
LB5	1D	LB5-1D	5/5/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
B4	4.5D	B4-4.5D	5/4/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
B12	5D	B12-5'D	5/5/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
A3	8.5D	A3-8.5D	5/4/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
A11	8.5D	A11-8.5'-D	5/5/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
B8	8.5D	B8-8.5D	5/5/2016	7440-41-7	Beryllium, Be	ND	mg/kg	0.5
NP-4	10	NP-4-10	10/11/2017	108-86-1	bromobenzene	ND	µg/kg	10
A1	1	A1-1'	5/4/2016	108-86-1	Bromobenzene	ND	µg/kg	1

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
A5B	1	A5B-1'	5/4/2016	108-86-1	Bromobenzene	ND	µg/kg	1
A6	1	A6-1'	5/5/2016	108-86-1	Bromobenzene	ND	µg/kg	1
A7	1	A7-1'	5/5/2016	108-86-1	Bromobenzene	ND	µg/kg	1
A8	1	A8-1'	5/5/2016	108-86-1	Bromobenzene	ND	µg/kg	1
A9	1	A9-1'	5/5/2016	108-86-1	Bromobenzene	ND	µg/kg	1
A10	1	A10-1'	5/5/2016	108-86-1	Bromobenzene	ND	µg/kg	1
A11	1	A11-1'	5/5/2016	108-86-1	Bromobenzene	ND	µg/kg	1
A12	1	A12-1'	5/5/2016	108-86-1	Bromobenzene	ND	µg/kg	1
A13	1	A13-1'	5/5/2016	108-86-1	Bromobenzene	ND	µg/kg	1
B1	1	B1-1'	5/4/2016	108-86-1	Bromobenzene	ND	µg/kg	1
B2	1	B2-1'	5/5/2016	108-86-1	Bromobenzene	ND	µg/kg	1
B3	1	B3-1'	5/4/2016	108-86-1	Bromobenzene	ND	µg/kg	1
B4	1	B4-1'	5/4/2016	108-86-1	Bromobenzene	ND	µg/kg	1
B6	1	B6-1'	5/4/2016	108-86-1	Bromobenzene	ND	µg/kg	1
B7	1	B7-1'	5/5/2016	108-86-1	Bromobenzene	ND	µg/kg	1
B8	1	B8-1'	5/5/2016	108-86-1	Bromobenzene	ND	µg/kg	1
B9	1	B9-1'	5/5/2016	108-86-1	Bromobenzene	ND	µg/kg	1
B10	1	B10-1'	5/7/2016	108-86-1	Bromobenzene	ND	µg/kg	1
B11	1	B11-1'	5/5/2016	108-86-1	Bromobenzene	ND	µg/kg	1
B12	1	B12-1'	5/5/2016	108-86-1	Bromobenzene	ND	µg/kg	1
B13	1	B13-1'	5/6/2016	108-86-1	Bromobenzene	ND	µg/kg	1
B14	1	B14-1'	5/6/2016	108-86-1	Bromobenzene	ND	µg/kg	1
B15	1	B15-1'	5/6/2016	108-86-1	Bromobenzene	ND	µg/kg	1
LB1	1	LB1-1'	5/6/2016	108-86-1	Bromobenzene	ND	µg/kg	1
LB2	1	LB2-1'	5/6/2016	108-86-1	Bromobenzene	ND	µg/kg	1
LB3	1	LB3-1'	5/6/2016	108-86-1	Bromobenzene	ND	µg/kg	1
LB4	1	LB4-1'	5/5/2016	108-86-1	Bromobenzene	ND	µg/kg	1
LB5	1	LB5-1'	5/5/2016	108-86-1	Bromobenzene	ND	µg/kg	1
LB6	1	LB6-1'	5/5/2016	108-86-1	Bromobenzene	ND	µg/kg	1
LB7	1	LB7-1'	5/5/2016	108-86-1	Bromobenzene	ND	µg/kg	1
LB8	1	LB8-1'	5/5/2016	108-86-1	Bromobenzene	ND	µg/kg	1
A5	1.25	A5-1.25'	5/4/2016	108-86-1	Bromobenzene	ND	µg/kg	1
A7	3.5	A7-3.5'	5/5/2016	108-86-1	Bromobenzene	ND	µg/kg	1
B15	4	B15-4'	5/6/2016	108-86-1	Bromobenzene	ND	µg/kg	1
A1	4.5	A1-4.5'	5/4/2016	108-86-1	Bromobenzene	ND	µg/kg	1
A2	4.5	A2-4.5'	5/4/2016	108-86-1	Bromobenzene	ND	µg/kg	1
A3	4.5	A3-4.5'	5/4/2016	108-86-1	Bromobenzene	ND	µg/kg	1
A4	4.5	A4-4.5'	5/4/2016	108-86-1	Bromobenzene	ND	µg/kg	1
A5	4.5	A5-4.5'	5/4/2016	108-86-1	Bromobenzene	ND	µg/kg	1
A5B	4.5	A5B-4.5'	5/4/2016	108-86-1	Bromobenzene	ND	µg/kg	1
A6	4.5	A6-4.5'	5/5/2016	108-86-1	Bromobenzene	ND	µg/kg	1
A8	4.5	A8-4.5'	5/5/2016	108-86-1	Bromobenzene	ND	µg/kg	1
A9	4.5	A9-4.5'	5/5/2016	108-86-1	Bromobenzene	ND	µg/kg	1
A11	4.5	A11-4.5'	5/5/2016	108-86-1	Bromobenzene	ND	µg/kg	1
B1	4.5	B1-4.5'	5/4/2016	108-86-1	Bromobenzene	ND	µg/kg	1
B2	4.5	B2-4.5'	5/5/2016	108-86-1	Bromobenzene	ND	µg/kg	1
B3	4.5	B3-4.5'	5/4/2016	108-86-1	Bromobenzene	ND	µg/kg	1
B6	4.5	B6-4.5'	5/4/2016	108-86-1	Bromobenzene	ND	µg/kg	1
B7	4.5	B7-4.5'	5/5/2016	108-86-1	Bromobenzene	ND	µg/kg	1
B8	4.5	B8-4.5'	5/5/2016	108-86-1	Bromobenzene	ND	µg/kg	1
B9	4.5	B9-4.5'	5/5/2016	108-86-1	Bromobenzene	ND	µg/kg	1
B10	4.5	B10-4.5'	5/5/2016	108-86-1	Bromobenzene	ND	µg/kg	1

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
B11	4.5	B11-4.5'	5/5/2016	108-86-1	Bromobenzene	ND	µg/kg	1
LB	4.5	LB-4.5'	5/6/2016	108-86-1	Bromobenzene	ND	µg/kg	1
LB1	4.5	LB1-4.5'	5/6/2016	108-86-1	Bromobenzene	ND	µg/kg	1
LB3	4.5	LB3-4.5'	5/6/2016	108-86-1	Bromobenzene	ND	µg/kg	1
LB4	4.5	LB4-4.5'	5/5/2016	108-86-1	Bromobenzene	ND	µg/kg	1
LB5	4.5	LB5-4.5'	5/5/2016	108-86-1	Bromobenzene	ND	µg/kg	1
A12	5	A12-5'	5/5/2016	108-86-1	Bromobenzene	ND	µg/kg	1
A13	5	A13-5'	5/5/2016	108-86-1	Bromobenzene	ND	µg/kg	1
B12	5	B12-5'	5/5/2016	108-86-1	Bromobenzene	ND	µg/kg	1
B13	5	B13-5'	5/6/2016	108-86-1	Bromobenzene	ND	µg/kg	1
B14	5	B14-5'	5/8/2016	108-86-1	Bromobenzene	ND	µg/kg	1
B15	5	B15-5'	5/6/2016	108-86-1	Bromobenzene	ND	µg/kg	1
LB6	5	LB6-5'	5/5/2016	108-86-1	Bromobenzene	ND	µg/kg	1
LB7	5	LB7-5'	5/5/2016	108-86-1	Bromobenzene	ND	µg/kg	1
LB8	5	LB8-5'	5/5/2016	108-86-1	Bromobenzene	ND	µg/kg	1
A1	8.5	A1-8.5'	5/4/2016	108-86-1	Bromobenzene	ND	µg/kg	1
A2	8.5	A2-8.5'	5/4/2016	108-86-1	Bromobenzene	ND	µg/kg	1
A3	8.5	A3-8.5'	5/4/2016	108-86-1	Bromobenzene	ND	µg/kg	1
A4	8.5	A4-8.5'	5/4/2016	108-86-1	Bromobenzene	ND	µg/kg	1
A5B	8.5	A5B-8.5'	5/4/2016	108-86-1	Bromobenzene	ND	µg/kg	1
A6	8.5	A6-8.5'	5/5/2016	108-86-1	Bromobenzene	ND	µg/kg	1
A7	8.5	A7-8.5'	5/5/2016	108-86-1	Bromobenzene	ND	µg/kg	1
A8	8.5	A8-8.5'	5/5/2016	108-86-1	Bromobenzene	ND	µg/kg	1
A9	8.5	A9-8.5'	5/5/2016	108-86-1	Bromobenzene	ND	µg/kg	1
A11	8.5	A11-8.5'	5/5/2016	108-86-1	Bromobenzene	ND	µg/kg	1
B1	8.5	B1-8.5'	5/4/2016	108-86-1	Bromobenzene	ND	µg/kg	1
B2	8.5	B2-8.5'	5/5/2016	108-86-1	Bromobenzene	ND	µg/kg	1
B3	8.5	B3-8.5'	5/4/2016	108-86-1	Bromobenzene	ND	µg/kg	1
B6	8.5	B6-8.5'	5/4/2016	108-86-1	Bromobenzene	ND	µg/kg	1
B7	8.5	B7-8.5'	5/5/2016	108-86-1	Bromobenzene	ND	µg/kg	1
B8	8.5	B8-8.5'	5/5/2016	108-86-1	Bromobenzene	ND	µg/kg	1
B9	8.5	B9-8.5'	5/5/2016	108-86-1	Bromobenzene	ND	µg/kg	1
B10	8.5	B10-8.5'	5/5/2016	108-86-1	Bromobenzene	ND	µg/kg	1
B11	8.5	B11-8.5'	5/5/2016	108-86-1	Bromobenzene	ND	µg/kg	1
LB1	8.5	LB1-8.5'	5/6/2016	108-86-1	Bromobenzene	ND	µg/kg	1
LB2	8.5	LB2-8.5'	5/6/2016	108-86-1	Bromobenzene	ND	µg/kg	1
LB3	8.5	LB3-8.5'	5/6/2016	108-86-1	Bromobenzene	ND	µg/kg	1
LB4	8.5	LB4-8.5'	5/5/2016	108-86-1	Bromobenzene	ND	µg/kg	1
LB5	8.5	LB5-8.5'	5/5/2016	108-86-1	Bromobenzene	ND	µg/kg	1
A12	11	A12-11'	5/5/2016	108-86-1	Bromobenzene	ND	µg/kg	1
A13	11	A13-11'	5/5/2016	108-86-1	Bromobenzene	ND	µg/kg	1
B12	11	B12-11'	5/5/2016	108-86-1	Bromobenzene	ND	µg/kg	1
B13	11	B13-11'	5/6/2016	108-86-1	Bromobenzene	ND	µg/kg	1
B14	11	B14-11'	5/6/2016	108-86-1	Bromobenzene	ND	µg/kg	1
LB6	11	LB6-11'	5/5/2016	108-86-1	Bromobenzene	ND	µg/kg	1
LB7	11	LB7-11'	5/5/2016	108-86-1	Bromobenzene	ND	µg/kg	1
LB8	11	LB8-11'	5/5/2016	108-86-1	Bromobenzene	ND	µg/kg	1
LB3	1D	LB3-1'-D	5/6/2016	108-86-1	Bromobenzene	ND	µg/kg	1
LB5	1D	LB5-1D	5/5/2016	108-86-1	Bromobenzene	ND	µg/kg	1
B12	5D	B12-5'D	5/5/2016	108-86-1	Bromobenzene	ND	µg/kg	1
A3	8.5D	A3-8.5'-D	5/4/2016	108-86-1	Bromobenzene	ND	µg/kg	1
A11	8.5D	A11-8.5'-D	5/5/2016	108-86-1	Bromobenzene	ND	µg/kg	1

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
B8	8.5D	B8-8.5D	5/5/2016	108-86-1	Bromobenzene	ND	µg/kg	1
NP-3	12	NP-3-12	10/10/2017	108-86-1	bromobenzene	ND	µg/kg	0.21
NP-2	6	NP-2-6	10/9/2017	108-86-1	bromobenzene	ND	µg/kg	0.2
NP-1	12	NP-1-12	10/9/2017	108-86-1	bromobenzene	ND	µg/kg	0.15
B5	1	B5-1'	5/4/2016	108-86-1	Bromobenzene	ND	µg/kg	1
B4	4.5	B4-4.5'	5/4/2016	108-86-1	Bromobenzene	ND	µg/kg	1
B5	4.5	B5-4.5'	5/4/2016	108-86-1	Bromobenzene	ND	µg/kg	1
B4	8.5	B4-8.5'	5/4/2016	108-86-1	Bromobenzene	ND	µg/kg	1
B5	8.5	B5-8.5'	5/4/2016	108-86-1	Bromobenzene	ND	µg/kg	1
B4	4.5D	B4-4.5D	5/4/2016	108-86-1	Bromobenzene	ND	µg/kg	1
NP-4	10	NP-4-10	10/11/2017	74-97-5	Bromochloromethane	ND	µg/kg	34
NP-3	12	NP-3-12	10/10/2017	74-97-5	Bromochloromethane	ND	µg/kg	0.69
NP-2	6	NP-2-6	10/9/2017	74-97-5	Bromochloromethane	ND	µg/kg	0.67
NP-1	12	NP-1-12	10/9/2017	74-97-5	Bromochloromethane	ND	µg/kg	0.5
A1	1	A1-1'	5/4/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
A5B	1	A5B-1'	5/4/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
A6	1	A6-1'	5/5/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
A7	1	A7-1'	5/5/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
A8	1	A8-1'	5/5/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
A9	1	A9-1'	5/5/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
A10	1	A10-1'	5/5/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
A11	1	A11-1'	5/5/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
A12	1	A12-1'	5/5/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
A13	1	A13-1'	5/5/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
B1	1	B1-1'	5/4/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
B2	1	B2-1'	5/5/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
B3	1	B3-1'	5/4/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
B4	1	B4-1'	5/4/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
B6	1	B6-1'	5/4/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
B7	1	B7-1'	5/5/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
B8	1	B8-1'	5/5/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
B9	1	B9-1'	5/5/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
B10	1	B10-1'	5/7/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
B11	1	B11-1'	5/5/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
B12	1	B12-1'	5/5/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
B13	1	B13-1'	5/6/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
B14	1	B14-1'	5/6/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
B15	1	B15-1'	5/6/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
LB1	1	LB1-1'	5/6/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
LB2	1	LB2-1'	5/6/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
LB3	1	LB3-1'	5/6/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
LB4	1	LB4-1'	5/5/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
LB5	1	LB5-1'	5/5/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
LB6	1	LB6-1'	5/5/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
LB7	1	LB7-1'	5/5/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
LB8	1	LB8-1'	5/5/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
A5	1.25	A5-1.25'	5/4/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
A7	3.5	A7-3.5'	5/5/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
B15	4	B15-4'	5/6/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
A1	4.5	A1-4.5'	5/4/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
A2	4.5	A2-4.5'	5/4/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
A3	4.5	A3-4.5'	5/4/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
A4	4.5	A4-4.5'	5/4/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
A5	4.5	A5-4.5'	5/4/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
A5B	4.5	A5B-4.5'	5/4/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
A6	4.5	A6-4.5'	5/5/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
A8	4.5	A8-4.5'	5/5/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
A9	4.5	A9-4.5'	5/5/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
A11	4.5	A11-4.5'	5/5/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
B1	4.5	B1-4.5'	5/4/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
B2	4.5	B2-4.5'	5/5/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
B3	4.5	B3-4.5'	5/4/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
B6	4.5	B6-4.5'	5/4/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
B7	4.5	B7-4.5'	5/5/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
B8	4.5	B8-4.5'	5/5/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
B9	4.5	B9-4.5'	5/5/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
B10	4.5	B10-4.5'	5/5/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
B11	4.5	B11-4.5'	5/5/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
LB	4.5	LB-4.5'	5/6/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
LB1	4.5	LB1-4.5'	5/6/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
LB3	4.5	LB3-4.5'	5/6/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
LB4	4.5	LB4-4.5'	5/5/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
LB5	4.5	LB5-4.5'	5/5/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
A12	5	A12-5'	5/5/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
A13	5	A13-5'	5/5/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
B12	5	B12-5'	5/5/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
B13	5	B13-5'	5/6/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
B14	5	B14-5'	5/8/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
B15	5	B15-5'	5/6/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
LB6	5	LB6-5'	5/5/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
LB7	5	LB7-5'	5/5/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
LB8	5	LB8-5'	5/5/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
A1	8.5	A1-8.5'	5/4/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
A2	8.5	A2-8.5'	5/4/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
A3	8.5	A3-8.5'	5/4/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
A4	8.5	A4-8.5'	5/4/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
A5B	8.5	A5B-8.5'	5/4/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
A6	8.5	A6-8.5'	5/5/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
A7	8.5	A7-8.5'	5/5/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
A8	8.5	A8-8.5'	5/5/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
A9	8.5	A9-8.5'	5/5/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
A11	8.5	A11-8.5'	5/5/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
B1	8.5	B1-8.5'	5/4/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
B2	8.5	B2-8.5'	5/5/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
B3	8.5	B3-8.5'	5/4/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
B6	8.5	B6-8.5'	5/4/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
B7	8.5	B7-8.5'	5/5/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
B8	8.5	B8-8.5'	5/5/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
B9	8.5	B9-8.5'	5/5/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
B10	8.5	B10-8.5'	5/5/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
B11	8.5	B11-8.5'	5/5/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
LB1	8.5	LB1-8.5'	5/6/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
LB2	8.5	LB2-8.5'	5/6/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
LB3	8.5	LB3-8.5'	5/6/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
LB4	8.5	LB4-8.5'	5/5/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
LB5	8.5	LB5-8.5'	5/5/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
A12	11	A12-11'	5/5/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
A13	11	A13-11'	5/5/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
B12	11	B12-11'	5/5/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
B13	11	B13-11'	5/6/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
B14	11	B14-11'	5/6/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
LB6	11	LB6-11'	5/5/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
LB7	11	LB7-11'	5/5/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
LB8	11	LB8-11'	5/5/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
LB3	1D	LB3-1'-D	5/6/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
LB5	1D	LB5-1D	5/5/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
B12	5D	B12-5'D	5/5/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
A3	8.5D	A3-8.5'-D	5/4/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
A11	8.5D	A11-8.5'-D	5/5/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
B8	8.5D	B8-8.5D	5/5/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
B5	1	B5-1'	5/4/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
B4	4.5	B4-4.5'	5/4/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
B5	4.5	B5-4.5'	5/4/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
B4	8.5	B4-8.5'	5/4/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
B5	8.5	B5-8.5'	5/4/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
B4	4.5D	B4-4.5D	5/4/2016	75-27-4	Bromodichloromethane	ND	µg/kg	1
NP-4	10	NP-4-10	10/11/2017	75-25-2	Bromoform	ND	µg/kg	39
A1	1	A1-1'	5/4/2016	75-25-2	Bromoform	ND	µg/kg	1
A5B	1	A5B-1'	5/4/2016	75-25-2	Bromoform	ND	µg/kg	1
A6	1	A6-1'	5/5/2016	75-25-2	Bromoform	ND	µg/kg	1
A7	1	A7-1'	5/5/2016	75-25-2	Bromoform	ND	µg/kg	1
A8	1	A8-1'	5/5/2016	75-25-2	Bromoform	ND	µg/kg	1
A9	1	A9-1'	5/5/2016	75-25-2	Bromoform	ND	µg/kg	1
A10	1	A10-1'	5/5/2016	75-25-2	Bromoform	ND	µg/kg	1
A11	1	A11-1'	5/5/2016	75-25-2	Bromoform	ND	µg/kg	1
A12	1	A12-1'	5/5/2016	75-25-2	Bromoform	ND	µg/kg	1
A13	1	A13-1'	5/5/2016	75-25-2	Bromoform	ND	µg/kg	1
B1	1	B1-1'	5/4/2016	75-25-2	Bromoform	ND	µg/kg	1
B2	1	B2-1'	5/5/2016	75-25-2	Bromoform	ND	µg/kg	1
B3	1	B3-1'	5/4/2016	75-25-2	Bromoform	ND	µg/kg	1
B4	1	B4-1'	5/4/2016	75-25-2	Bromoform	ND	µg/kg	1
B6	1	B6-1'	5/4/2016	75-25-2	Bromoform	ND	µg/kg	1
B7	1	B7-1'	5/5/2016	75-25-2	Bromoform	ND	µg/kg	1
B8	1	B8-1'	5/5/2016	75-25-2	Bromoform	ND	µg/kg	1
B9	1	B9-1'	5/5/2016	75-25-2	Bromoform	ND	µg/kg	1
B10	1	B10-1'	5/7/2016	75-25-2	Bromoform	ND	µg/kg	1
B11	1	B11-1'	5/5/2016	75-25-2	Bromoform	ND	µg/kg	1
B12	1	B12-1'	5/5/2016	75-25-2	Bromoform	ND	µg/kg	1
B13	1	B13-1'	5/6/2016	75-25-2	Bromoform	ND	µg/kg	1
B14	1	B14-1'	5/6/2016	75-25-2	Bromoform	ND	µg/kg	1
B15	1	B15-1'	5/6/2016	75-25-2	Bromoform	ND	µg/kg	1
LB1	1	LB1-1'	5/6/2016	75-25-2	Bromoform	ND	µg/kg	1
LB2	1	LB2-1'	5/6/2016	75-25-2	Bromoform	ND	µg/kg	1
LB3	1	LB3-1'	5/6/2016	75-25-2	Bromoform	ND	µg/kg	1
LB4	1	LB4-1'	5/5/2016	75-25-2	Bromoform	ND	µg/kg	1
LB5	1	LB5-1'	5/5/2016	75-25-2	Bromoform	ND	µg/kg	1

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
LB6	1	LB6-1'	5/5/2016	75-25-2	Bromoform	ND	µg/kg	1
LB7	1	LB7-1'	5/5/2016	75-25-2	Bromoform	ND	µg/kg	1
LB8	1	LB8-1'	5/5/2016	75-25-2	Bromoform	ND	µg/kg	1
A5	1.25	A5-1.25'	5/4/2016	75-25-2	Bromoform	ND	µg/kg	1
A7	3.5	A7-3.5'	5/5/2016	75-25-2	Bromoform	ND	µg/kg	1
B15	4	B15-4'	5/6/2016	75-25-2	Bromoform	ND	µg/kg	1
A1	4.5	A1-4.5'	5/4/2016	75-25-2	Bromoform	ND	µg/kg	1
A2	4.5	A2-4.5'	5/4/2016	75-25-2	Bromoform	ND	µg/kg	1
A3	4.5	A3-4.5'	5/4/2016	75-25-2	Bromoform	ND	µg/kg	1
A4	4.5	A4-4.5'	5/4/2016	75-25-2	Bromoform	ND	µg/kg	1
A5	4.5	A5-4.5'	5/4/2016	75-25-2	Bromoform	ND	µg/kg	1
A5B	4.5	A5B-4.5'	5/4/2016	75-25-2	Bromoform	ND	µg/kg	1
A6	4.5	A6-4.5'	5/5/2016	75-25-2	Bromoform	ND	µg/kg	1
A8	4.5	A8-4.5'	5/5/2016	75-25-2	Bromoform	ND	µg/kg	1
A9	4.5	A9-4.5'	5/5/2016	75-25-2	Bromoform	ND	µg/kg	1
A11	4.5	A11-4.5'	5/5/2016	75-25-2	Bromoform	ND	µg/kg	1
B1	4.5	B1-4.5'	5/4/2016	75-25-2	Bromoform	ND	µg/kg	1
B2	4.5	B2-4.5'	5/5/2016	75-25-2	Bromoform	ND	µg/kg	1
B3	4.5	B3-4.5'	5/4/2016	75-25-2	Bromoform	ND	µg/kg	1
B6	4.5	B6-4.5'	5/4/2016	75-25-2	Bromoform	ND	µg/kg	1
B7	4.5	B7-4.5'	5/5/2016	75-25-2	Bromoform	ND	µg/kg	1
B8	4.5	B8-4.5'	5/5/2016	75-25-2	Bromoform	ND	µg/kg	1
B9	4.5	B9-4.5'	5/5/2016	75-25-2	Bromoform	ND	µg/kg	1
B10	4.5	B10-4.5'	5/5/2016	75-25-2	Bromoform	ND	µg/kg	1
B11	4.5	B11-4.5'	5/5/2016	75-25-2	Bromoform	ND	µg/kg	1
LB	4.5	LB-4.5'	5/6/2016	75-25-2	Bromoform	ND	µg/kg	1
LB1	4.5	LB1-4.5'	5/6/2016	75-25-2	Bromoform	ND	µg/kg	1
LB3	4.5	LB3-4.5'	5/6/2016	75-25-2	Bromoform	ND	µg/kg	1
LB4	4.5	LB4-4.5'	5/5/2016	75-25-2	Bromoform	ND	µg/kg	1
LB5	4.5	LB5-4.5'	5/5/2016	75-25-2	Bromoform	ND	µg/kg	1
A12	5	A12-5'	5/5/2016	75-25-2	Bromoform	ND	µg/kg	1
A13	5	A13-5'	5/5/2016	75-25-2	Bromoform	ND	µg/kg	1
B12	5	B12-5'	5/5/2016	75-25-2	Bromoform	ND	µg/kg	1
B13	5	B13-5'	5/6/2016	75-25-2	Bromoform	ND	µg/kg	1
B14	5	B14-5'	5/8/2016	75-25-2	Bromoform	ND	µg/kg	1
B15	5	B15-5'	5/6/2016	75-25-2	Bromoform	ND	µg/kg	1
LB6	5	LB6-5'	5/5/2016	75-25-2	Bromoform	ND	µg/kg	1
LB7	5	LB7-5'	5/5/2016	75-25-2	Bromoform	ND	µg/kg	1
LB8	5	LB8-5'	5/5/2016	75-25-2	Bromoform	ND	µg/kg	1
A1	8.5	A1-8.5'	5/4/2016	75-25-2	Bromoform	ND	µg/kg	1
A2	8.5	A2-8.5'	5/4/2016	75-25-2	Bromoform	ND	µg/kg	1
A3	8.5	A3-8.5'	5/4/2016	75-25-2	Bromoform	ND	µg/kg	1
A4	8.5	A4-8.5'	5/4/2016	75-25-2	Bromoform	ND	µg/kg	1
A5B	8.5	A5B-8.5'	5/4/2016	75-25-2	Bromoform	ND	µg/kg	1
A6	8.5	A6-8.5'	5/5/2016	75-25-2	Bromoform	ND	µg/kg	1
A7	8.5	A7-8.5'	5/5/2016	75-25-2	Bromoform	ND	µg/kg	1
A8	8.5	A8-8.5'	5/5/2016	75-25-2	Bromoform	ND	µg/kg	1
A9	8.5	A9-8.5'	5/5/2016	75-25-2	Bromoform	ND	µg/kg	1
A11	8.5	A11-8.5'	5/5/2016	75-25-2	Bromoform	ND	µg/kg	1
B1	8.5	B1-8.5'	5/4/2016	75-25-2	Bromoform	ND	µg/kg	1
B2	8.5	B2-8.5'	5/5/2016	75-25-2	Bromoform	ND	µg/kg	1
B3	8.5	B3-8.5'	5/4/2016	75-25-2	Bromoform	ND	µg/kg	1

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
B6	8.5	B6-8.5'	5/4/2016	75-25-2	Bromoform	ND	µg/kg	1
B7	8.5	B7-8.5'	5/5/2016	75-25-2	Bromoform	ND	µg/kg	1
B8	8.5	B8-8.5'	5/5/2016	75-25-2	Bromoform	ND	µg/kg	1
B9	8.5	B9-8.5'	5/5/2016	75-25-2	Bromoform	ND	µg/kg	1
B10	8.5	B10-8.5'	5/5/2016	75-25-2	Bromoform	ND	µg/kg	1
B11	8.5	B11-8.5'	5/5/2016	75-25-2	Bromoform	ND	µg/kg	1
LB1	8.5	LB1-8.5'	5/6/2016	75-25-2	Bromoform	ND	µg/kg	1
LB2	8.5	LB2-8.5'	5/6/2016	75-25-2	Bromoform	ND	µg/kg	1
LB3	8.5	LB3-8.5'	5/6/2016	75-25-2	Bromoform	ND	µg/kg	1
LB4	8.5	LB4-8.5'	5/5/2016	75-25-2	Bromoform	ND	µg/kg	1
LB5	8.5	LB5-8.5'	5/5/2016	75-25-2	Bromoform	ND	µg/kg	1
A12	11	A12-11'	5/5/2016	75-25-2	Bromoform	ND	µg/kg	1
A13	11	A13-11'	5/5/2016	75-25-2	Bromoform	ND	µg/kg	1
B12	11	B12-11'	5/5/2016	75-25-2	Bromoform	ND	µg/kg	1
B13	11	B13-11'	5/6/2016	75-25-2	Bromoform	ND	µg/kg	1
B14	11	B14-11'	5/6/2016	75-25-2	Bromoform	ND	µg/kg	1
LB6	11	LB6-11'	5/5/2016	75-25-2	Bromoform	ND	µg/kg	1
LB7	11	LB7-11'	5/5/2016	75-25-2	Bromoform	ND	µg/kg	1
LB8	11	LB8-11'	5/5/2016	75-25-2	Bromoform	ND	µg/kg	1
LB3	1D	LB3-1'-D	5/6/2016	75-25-2	Bromoform	ND	µg/kg	1
LB5	1D	LB5-1D	5/5/2016	75-25-2	Bromoform	ND	µg/kg	1
B12	5D	B12-5'D	5/5/2016	75-25-2	Bromoform	ND	µg/kg	1
A3	8.5D	A3-8.5'-D	5/4/2016	75-25-2	Bromoform	ND	µg/kg	1
A11	8.5D	A11-8.5'-D	5/5/2016	75-25-2	Bromoform	ND	µg/kg	1
B8	8.5D	B8-8.5D	5/5/2016	75-25-2	Bromoform	ND	µg/kg	1
NP-3	12	NP-3-12	10/10/2017	75-25-2	Bromoform	ND	µg/kg	0.79
NP-2	6	NP-2-6	10/9/2017	75-25-2	Bromoform	ND	µg/kg	0.77
NP-1	12	NP-1-12	10/9/2017	75-25-2	Bromoform	ND	µg/kg	0.58
B5	1	B5-1'	5/4/2016	75-25-2	Bromoform	ND	µg/kg	1
B4	4.5	B4-4.5'	5/4/2016	75-25-2	Bromoform	ND	µg/kg	1
B5	4.5	B5-4.5'	5/4/2016	75-25-2	Bromoform	ND	µg/kg	1
B4	8.5	B4-8.5'	5/4/2016	75-25-2	Bromoform	ND	µg/kg	1
B5	8.5	B5-8.5'	5/4/2016	75-25-2	Bromoform	ND	µg/kg	1
B4	4.5D	B4-4.5D	5/4/2016	75-25-2	Bromoform	ND	µg/kg	1
NP-4	10	NP-4-10	10/11/2017	104-51-8	Butylbenzene	ND	µg/kg	7.6
NP-3	12	NP-3-12	10/10/2017	104-51-8	Butylbenzene	ND	µg/kg	0.16
NP-2	6	NP-2-6	10/9/2017	104-51-8	Butylbenzene	ND	µg/kg	0.15
NP-1	12	NP-1-12	10/9/2017	104-51-8	Butylbenzene	ND	µg/kg	0.11
SS-2	10	SS-2-10	6/28/2012	7440-43-9	Cadmium	ND	mg/kg	0.5
SS-3	10	SS-3-10	6/28/2012	7440-43-9	Cadmium	ND	mg/kg	0.5
SS-6	10	SS-6-10	6/28/2012	7440-43-9	Cadmium	ND	mg/kg	0.5
A7	3.5	A7-3.5'	5/5/2016	7440-43-9	Cadmium, Cd	6.1	mg/kg	0.5
A5B	1	A5B-1'	5/4/2016	7440-43-9	Cadmium, Cd	1.2	mg/kg	0.5
A6	4.5	A6-4.5'	5/5/2016	7440-43-9	Cadmium, Cd	1.2	mg/kg	0.5
B4	1	B4-1'	5/4/2016	7440-43-9	Cadmium, Cd	0.8	mg/kg	0.5
A1	1	A1-1'	5/4/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
A6	1	A6-1'	5/5/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
A7	1	A7-1'	5/5/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
A8	1	A8-1'	5/5/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
A9	1	A9-1'	5/5/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
A10	1	A10-1'	5/5/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
A11	1	A11-1'	5/5/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
A12	1	A12-1'	5/5/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
A13	1	A13-1'	5/5/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
B1	1	B1-1'	5/4/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
B2	1	B2-1'	5/5/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
B3	1	B3-1'	5/4/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
B5	1	B5-1'	5/4/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
B6	1	B6-1'	5/4/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
B8	1	B8-1'	5/5/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
B9	1	B9-1'	5/5/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
B10	1	B10-1'	5/5/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
B11	1	B11-1'	5/5/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
B12	1	B12-1'	5/5/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
B13	1	B13-1'	5/6/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
B14	1	B14-1'	5/6/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
LB1	1	LB1-1'	5/6/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
LB2	1	LB2-1'	5/6/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
LB3	1	LB3-1'	5/6/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
LB4	1	LB4-1'	5/5/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
LB5	1	LB5-1'	5/5/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
LB6	1	LB6-1'	5/5/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
LB7	1	LB7-1'	5/5/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
LB8	1	LB8-1'	5/5/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
A5	1.25	A5-1.25'	5/4/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
B15	4	B15-4'	5/6/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
A1	4.5	A1-4.5'	5/4/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
A2	4.5	A2-4.5'	5/4/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
A3	4.5	A3-4.5'	5/4/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
A4	4.5	A4-4.5'	5/4/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
A5	4.5	A5-4.5'	5/4/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
A5B	4.5	A5B-4.5'	5/4/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
A8	4.5	A8-4.5'	5/5/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
A9	4.5	A9-4.5'	5/5/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
A11	4.5	A11-4.5'	5/5/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
B1	4.5	B1-4.5'	5/4/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
B2	4.5	B2-4.5'	5/5/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
B3	4.5	B3-4.5'	5/4/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
B4	4.5	B4-4.5'	5/4/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
B5	4.5	B5-4.5'	5/4/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
B6	4.5	B6-4.5'	5/4/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
B7	4.5	B7-4.5'	5/5/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
B8	4.5	B8-4.5'	5/5/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
B9	4.5	B9-4.5'	5/5/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
B10	4.5	B10-4.5'	5/5/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
B11	4.5	B11-4.5'	5/5/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
LB1	4.5	LB1-4.5'	5/6/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
LB2	4.5	LB2-4.5'	5/6/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
LB3	4.5	LB3-4.5'	5/6/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
LB4	4.5	LB4-4.5'	5/5/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
LB5	4.5	LB5-4.5'	5/5/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
A12	5	A12-5'	5/5/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
A13	5	A13-5'	5/5/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
B12	5	B12-5'	5/5/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
B13	5	B13-5'	5/6/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
B14	5	B14-5'	5/6/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
B15	5	B15-5'	5/6/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
LB6	5	LB6-5'	5/5/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
LB7	5	LB7-5'	5/5/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
LB8	5	LB8-5'	5/5/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
A1	8.5	A1-8.5'	5/4/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
A2	8.5	A2-8.5'	5/4/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
A3	8.5	A3-8.5'	5/4/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
A4	8.5	A4-8.5'	5/4/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
A5B	8.5	A5B-8.5'	5/4/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
A6	8.5	A6-8.5'	5/5/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
A7	8.5	A7-8.5'	5/5/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
A8	8.5	A8-8.5'	5/5/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
A9	8.5	A9-8.5'	5/5/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
A11	8.5	A11-8.5'	5/5/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
B1	8.5	B1-8.5'	5/4/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
B2	8.5	B2-8.5'	5/5/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
B3	8.5	B3-8.5'	5/4/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
B4	8.5	B4-8.5'	5/4/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
B5	8.5	B5-8.5'	5/4/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
B6	8.5	B6-8.5'	5/4/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
B7	8.5	B7-8.5'	5/5/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
B8	8.5	B8-8.5'	5/5/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
B9	8.5	B9-8.5'	5/5/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
B10	8.5	B10-8.5'	5/5/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
B11	8.5	B11-8.5'	5/5/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
LB1	8.5	LB1-8.5'	5/6/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
LB2	8.5	LB2-8.5'	5/6/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
LB3	8.5	LB3-8.5'	5/6/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
LB4	8.5	LB4-8.5'	5/5/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
LB5	8.5	LB5-8.5'	5/5/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
A12	11	A12-11'	5/5/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
A13	11	A13-11'	5/5/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
B12	11	B12-11'	5/5/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
B13	11	B13-11'	5/6/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
B14	11	B14-11'	5/6/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
LB6	11	LB6-11'	5/5/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
LB7	11	LB7-11'	5/5/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
LB8	11	LB8-11'	5/5/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
LB3	1D	LB3-1'-D	5/6/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
LB5	1D	LB5-1D	5/5/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
B4	4.5D	B4-4.5D	5/4/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
B12	5D	B12-5'D	5/5/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
A3	8.5D	A3-8.5D	5/4/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
A11	8.5D	A11-8.5'-D	5/5/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
B8	8.5D	B8-8.5D	5/5/2016	7440-43-9	Cadmium, Cd	ND	mg/kg	0.5
NP-4	10	NP-4-10	10/11/2017	75-15-0	Carbon Disulfide	ND	µg/kg	15
NP-3	12	NP-3-12	10/10/2017	75-15-0	Carbon Disulfide	ND	µg/kg	0.31
NP-2	6	NP-2-6	10/9/2017	75-15-0	Carbon Disulfide	ND	µg/kg	0.3
NP-1	12	NP-1-12	10/9/2017	75-15-0	Carbon Disulfide	ND	µg/kg	0.22
NP-4	10	NP-4-10	10/11/2017	56-23-5	Carbon Tetrachloride	ND	µg/kg	14

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
A1	1	A1-1'	5/4/2016	56-23-5	Carbon tetrachloride	ND	µg/kg	1
A5B	1	A5B-1'	5/4/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
A6	1	A6-1'	5/5/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
A7	1	A7-1'	5/5/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
A8	1	A8-1'	5/5/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
A9	1	A9-1'	5/5/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
A10	1	A10-1'	5/5/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
A11	1	A11-1'	5/5/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
A12	1	A12-1'	5/5/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
A13	1	A13-1'	5/5/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
B1	1	B1-1'	5/4/2016	56-23-5	Carbon tetrachloride	ND	µg/kg	1
B2	1	B2-1'	5/5/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
B3	1	B3-1'	5/4/2016	56-23-5	Carbon tetrachloride	ND	µg/kg	1
B4	1	B4-1'	5/4/2016	56-23-5	Carbon tetrachloride	ND	µg/kg	1
B5	1	B5-1'	5/4/2016	56-23-5	Carbon tetrachloride	ND	µg/kg	1
B6	1	B6-1'	5/4/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
B7	1	B7-1'	5/5/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
B8	1	B8-1'	5/5/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
B9	1	B9-1'	5/5/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
B10	1	B10-1'	5/7/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
B11	1	B11-1'	5/5/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
B12	1	B12-1'	5/5/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
B13	1	B13-1'	5/6/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
B14	1	B14-1'	5/6/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
B15	1	B15-1'	5/6/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
LB1	1	LB1-1'	5/6/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
LB2	1	LB2-1'	5/6/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
LB3	1	LB3-1'	5/6/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
LB4	1	LB4-1'	5/5/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
LB5	1	LB5-1'	5/5/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
LB6	1	LB6-1'	5/5/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
LB7	1	LB7-1'	5/5/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
LB8	1	LB8-1'	5/5/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
A5	1.25	A5-1.25'	5/4/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
A7	3.5	A7-3.5'	5/5/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
B15	4	B15-4'	5/6/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
A1	4.5	A1-4.5'	5/4/2016	56-23-5	Carbon tetrachloride	ND	µg/kg	1
A2	4.5	A2-4.5'	5/4/2016	56-23-5	Carbon tetrachloride	ND	µg/kg	1
A3	4.5	A3-4.5'	5/4/2016	56-23-5	Carbon tetrachloride	ND	µg/kg	1
A4	4.5	A4-4.5'	5/4/2016	56-23-5	Carbon tetrachloride	ND	µg/kg	1
A5	4.5	A5-4.5'	5/4/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
A5B	4.5	A5B-4.5'	5/4/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
A6	4.5	A6-4.5'	5/5/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
A8	4.5	A8-4.5'	5/5/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
A9	4.5	A9-4.5'	5/5/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
A11	4.5	A11-4.5'	5/5/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
B1	4.5	B1-4.5'	5/4/2016	56-23-5	Carbon tetrachloride	ND	µg/kg	1
B2	4.5	B2-4.5'	5/5/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
B3	4.5	B3-4.5'	5/4/2016	56-23-5	Carbon tetrachloride	ND	µg/kg	1
B4	4.5	B4-4.5'	5/4/2016	56-23-5	Carbon tetrachloride	ND	µg/kg	1
B5	4.5	B5-4.5'	5/4/2016	56-23-5	Carbon tetrachloride	ND	µg/kg	1
B6	4.5	B6-4.5'	5/4/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
B7	4.5	B7-4.5'	5/5/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
B8	4.5	B8-4.5'	5/5/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
B9	4.5	B9-4.5'	5/5/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
B10	4.5	B10-4.5'	5/5/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
B11	4.5	B11-4.5'	5/5/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
LB	4.5	LB-4.5'	5/6/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
LB1	4.5	LB1-4.5'	5/6/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
LB3	4.5	LB3-4.5'	5/6/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
LB4	4.5	LB4-4.5'	5/5/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
LB5	4.5	LB5-4.5'	5/5/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
A12	5	A12-5'	5/5/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
A13	5	A13-5'	5/5/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
B12	5	B12-5'	5/5/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
B13	5	B13-5'	5/6/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
B14	5	B14-5'	5/8/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
B15	5	B15-5'	5/6/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
LB6	5	LB6-5'	5/5/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
LB7	5	LB7-5'	5/5/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
LB8	5	LB8-5'	5/5/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
A1	8.5	A1-8.5'	5/4/2016	56-23-5	Carbon tetrachloride	ND	µg/kg	1
A2	8.5	A2-8.5'	5/4/2016	56-23-5	Carbon tetrachloride	ND	µg/kg	1
A3	8.5	A3-8.5'	5/4/2016	56-23-5	Carbon tetrachloride	ND	µg/kg	1
A4	8.5	A4-8.5'	5/4/2016	56-23-5	Carbon tetrachloride	ND	µg/kg	1
A5B	8.5	A5B-8.5'	5/4/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
A6	8.5	A6-8.5'	5/5/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
A7	8.5	A7-8.5'	5/5/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
A8	8.5	A8-8.5'	5/5/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
A9	8.5	A9-8.5'	5/5/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
A11	8.5	A11-8.5'	5/5/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
B1	8.5	B1-8.5'	5/4/2016	56-23-5	Carbon tetrachloride	ND	µg/kg	1
B2	8.5	B2-8.5'	5/5/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
B3	8.5	B3-8.5'	5/4/2016	56-23-5	Carbon tetrachloride	ND	µg/kg	1
B4	8.5	B4-8.5'	5/4/2016	56-23-5	Carbon tetrachloride	ND	µg/kg	1
B5	8.5	B5-8.5'	5/4/2016	56-23-5	Carbon tetrachloride	ND	µg/kg	1
B6	8.5	B6-8.5'	5/4/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
B7	8.5	B7-8.5'	5/5/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
B8	8.5	B8-8.5'	5/5/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
B9	8.5	B9-8.5'	5/5/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
B10	8.5	B10-8.5'	5/5/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
B11	8.5	B11-8.5'	5/5/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
LB1	8.5	LB1-8.5'	5/6/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
LB2	8.5	LB2-8.5'	5/6/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
LB3	8.5	LB3-8.5'	5/6/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
LB4	8.5	LB4-8.5'	5/5/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
LB5	8.5	LB5-8.5'	5/5/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
A12	11	A12-11'	5/5/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
A13	11	A13-11'	5/5/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
B12	11	B12-11'	5/5/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
B13	11	B13-11'	5/6/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
B14	11	B14-11'	5/6/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
LB6	11	LB6-11'	5/5/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
LB7	11	LB7-11'	5/5/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
LB8	11	LB8-11'	5/5/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
LB3	1D	LB3-1'-D	5/6/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
LB5	1D	LB5-1D	5/5/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
B4	4.5D	B4-4.5D	5/4/2016	56-23-5	Carbon tetrachloride	ND	µg/kg	1
B12	5D	B12-5'D	5/5/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
A3	8.5D	A3-8.5'-D	5/4/2016	56-23-5	Carbon tetrachloride	ND	µg/kg	1
A11	8.5D	A11-8.5'-D	5/5/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
B8	8.5D	B8-8.5D	5/5/2016	56-23-5	Carbon Tetrachloride	ND	µg/kg	1
NP-3	12	NP-3-12	10/10/2017	56-23-5	Carbon Tetrachloride	ND	µg/kg	0.28
NP-2	6	NP-2-6	10/9/2017	56-23-5	Carbon Tetrachloride	ND	µg/kg	0.27
NP-1	12	NP-1-12	10/9/2017	56-23-5	Carbon Tetrachloride	ND	µg/kg	0.21
NP-4	10	NP-4-10	10/11/2017	108-90-7	Chlorobenzene	ND	µg/kg	11
A1	1	A1-1'	5/4/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
A5B	1	A5B-1'	5/4/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
A6	1	A6-1'	5/5/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
A7	1	A7-1'	5/5/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
A8	1	A8-1'	5/5/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
A9	1	A9-1'	5/5/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
A10	1	A10-1'	5/5/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
A11	1	A11-1'	5/5/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
A12	1	A12-1'	5/5/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
A13	1	A13-1'	5/5/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
B1	1	B1-1'	5/4/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
B2	1	B2-1'	5/5/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
B3	1	B3-1'	5/4/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
B4	1	B4-1'	5/4/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
B6	1	B6-1'	5/4/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
B7	1	B7-1'	5/5/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
B8	1	B8-1'	5/5/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
B9	1	B9-1'	5/5/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
B10	1	B10-1'	5/7/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
B11	1	B11-1'	5/5/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
B12	1	B12-1'	5/5/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
B13	1	B13-1'	5/6/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
B14	1	B14-1'	5/6/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
B15	1	B15-1'	5/6/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
LB1	1	LB1-1'	5/6/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
LB2	1	LB2-1'	5/6/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
LB3	1	LB3-1'	5/6/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
LB4	1	LB4-1'	5/5/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
LB5	1	LB5-1'	5/5/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
LB6	1	LB6-1'	5/5/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
LB7	1	LB7-1'	5/5/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
LB8	1	LB8-1'	5/5/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
A5	1.25	A5-1.25'	5/4/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
A7	3.5	A7-3.5'	5/5/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
B15	4	B15-4'	5/6/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
A1	4.5	A1-4.5'	5/4/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
A2	4.5	A2-4.5'	5/4/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
A3	4.5	A3-4.5'	5/4/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
A4	4.5	A4-4.5'	5/4/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
A5	4.5	A5-4.5'	5/4/2016	108-90-7	Chlorobenzene	ND	µg/kg	1

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
A5B	4.5	A5B-4.5'	5/4/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
A6	4.5	A6-4.5'	5/5/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
A8	4.5	A8-4.5'	5/5/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
A9	4.5	A9-4.5'	5/5/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
A11	4.5	A11-4.5'	5/5/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
B1	4.5	B1-4.5'	5/4/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
B2	4.5	B2-4.5'	5/5/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
B3	4.5	B3-4.5'	5/4/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
B6	4.5	B6-4.5'	5/4/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
B7	4.5	B7-4.5'	5/5/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
B8	4.5	B8-4.5'	5/5/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
B9	4.5	B9-4.5'	5/5/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
B10	4.5	B10-4.5'	5/5/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
B11	4.5	B11-4.5'	5/5/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
LB	4.5	LB-4.5'	5/6/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
LB1	4.5	LB1-4.5'	5/6/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
LB3	4.5	LB3-4.5'	5/6/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
LB4	4.5	LB4-4.5'	5/5/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
LB5	4.5	LB5-4.5'	5/5/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
A12	5	A12-5'	5/5/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
A13	5	A13-5'	5/5/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
B12	5	B12-5'	5/5/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
B13	5	B13-5'	5/6/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
B14	5	B14-5'	5/8/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
B15	5	B15-5'	5/6/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
LB6	5	LB6-5'	5/5/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
LB7	5	LB7-5'	5/5/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
LB8	5	LB8-5'	5/5/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
A1	8.5	A1-8.5'	5/4/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
A2	8.5	A2-8.5'	5/4/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
A3	8.5	A3-8.5'	5/4/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
A4	8.5	A4-8.5'	5/4/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
A5B	8.5	A5B-8.5'	5/4/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
A6	8.5	A6-8.5'	5/5/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
A7	8.5	A7-8.5'	5/5/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
A8	8.5	A8-8.5'	5/5/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
A9	8.5	A9-8.5'	5/5/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
A11	8.5	A11-8.5'	5/5/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
B1	8.5	B1-8.5'	5/4/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
B2	8.5	B2-8.5'	5/5/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
B3	8.5	B3-8.5'	5/4/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
B6	8.5	B6-8.5'	5/4/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
B7	8.5	B7-8.5'	5/5/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
B8	8.5	B8-8.5'	5/5/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
B9	8.5	B9-8.5'	5/5/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
B10	8.5	B10-8.5'	5/5/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
B11	8.5	B11-8.5'	5/5/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
LB1	8.5	LB1-8.5'	5/6/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
LB2	8.5	LB2-8.5'	5/6/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
LB3	8.5	LB3-8.5'	5/6/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
LB4	8.5	LB4-8.5'	5/5/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
LB5	8.5	LB5-8.5'	5/5/2016	108-90-7	Chlorobenzene	ND	µg/kg	1

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
A12	11	A12-11'	5/5/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
A13	11	A13-11'	5/5/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
B12	11	B12-11'	5/5/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
B13	11	B13-11'	5/6/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
B14	11	B14-11'	5/6/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
LB6	11	LB6-11'	5/5/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
LB7	11	LB7-11'	5/5/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
LB8	11	LB8-11'	5/5/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
LB3	1D	LB3-1'-D	5/6/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
LB5	1D	LB5-1D	5/5/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
B12	5D	B12-5'D	5/5/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
A3	8.5D	A3-8.5'-D	5/4/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
A11	8.5D	A11-8.5'-D	5/5/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
B8	8.5D	B8-8.5D	5/5/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
NP-2	6	NP-2-6	10/9/2017	108-90-7	Chlorobenzene	ND	µg/kg	0.22
NP-3	12	NP-3-12	10/10/2017	108-90-7	Chlorobenzene	ND	µg/kg	0.22
NP-1	12	NP-1-12	10/9/2017	108-90-7	Chlorobenzene	ND	µg/kg	0.16
B5	1	B5-1'	5/4/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
B4	4.5	B4-4.5'	5/4/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
B5	4.5	B5-4.5'	5/4/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
B4	8.5	B4-8.5'	5/4/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
B5	8.5	B5-8.5'	5/4/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
B4	4.5D	B4-4.5D	5/4/2016	108-90-7	Chlorobenzene	ND	µg/kg	1
NP-4	10	NP-4-10	10/11/2017	124-48-1	Chlorodibromomethane	ND	µg/kg	28
NP-3	12	NP-3-12	10/10/2017	124-48-1	Chlorodibromomethane	ND	µg/kg	0.57
NP-2	6	NP-2-6	10/9/2017	124-48-1	Chlorodibromomethane	ND	µg/kg	0.55
NP-1	12	NP-1-12	10/9/2017	124-48-1	Chlorodibromomethane	ND	µg/kg	0.42
NP-4	10	NP-4-10	10/11/2017	67-66-3	Chloroform	ND	µg/kg	12
A1	1	A1-1'	5/4/2016	67-66-3	Chloroform	ND	µg/kg	1
A5B	1	A5B-1'	5/4/2016	67-66-3	Chloroform	ND	µg/kg	1
A6	1	A6-1'	5/5/2016	67-66-3	Chloroform	ND	µg/kg	1
A7	1	A7-1'	5/5/2016	67-66-3	Chloroform	ND	µg/kg	1
A8	1	A8-1'	5/5/2016	67-66-3	Chloroform	ND	µg/kg	1
A9	1	A9-1'	5/5/2016	67-66-3	Chloroform	ND	µg/kg	1
A10	1	A10-1'	5/5/2016	67-66-3	Chloroform	ND	µg/kg	1
A11	1	A11-1'	5/5/2016	67-66-3	Chloroform	ND	µg/kg	1
A12	1	A12-1'	5/5/2016	67-66-3	Chloroform	ND	µg/kg	1
A13	1	A13-1'	5/5/2016	67-66-3	Chloroform	ND	µg/kg	1
B1	1	B1-1'	5/4/2016	67-66-3	Chloroform	ND	µg/kg	1
B2	1	B2-1'	5/5/2016	67-66-3	Chloroform	ND	µg/kg	1
B3	1	B3-1'	5/4/2016	67-66-3	Chloroform	ND	µg/kg	1
B4	1	B4-1'	5/4/2016	67-66-3	Chloroform	ND	µg/kg	1
B6	1	B6-1'	5/4/2016	67-66-3	Chloroform	ND	µg/kg	1
B7	1	B7-1'	5/5/2016	67-66-3	Chloroform	ND	µg/kg	1
B8	1	B8-1'	5/5/2016	67-66-3	Chloroform	ND	µg/kg	1
B9	1	B9-1'	5/5/2016	67-66-3	Chloroform	ND	µg/kg	1
B10	1	B10-1'	5/7/2016	67-66-3	Chloroform	ND	µg/kg	1
B11	1	B11-1'	5/5/2016	67-66-3	Chloroform	ND	µg/kg	1
B12	1	B12-1'	5/5/2016	67-66-3	Chloroform	ND	µg/kg	1
B13	1	B13-1'	5/6/2016	67-66-3	Chloroform	ND	µg/kg	1
B14	1	B14-1'	5/6/2016	67-66-3	Chloroform	ND	µg/kg	1
B15	1	B15-1'	5/6/2016	67-66-3	Chloroform	ND	µg/kg	1

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
LB1	1	LB1-1'	5/6/2016	67-66-3	Chloroform	ND	µg/kg	1
LB2	1	LB2-1'	5/6/2016	67-66-3	Chloroform	ND	µg/kg	1
LB3	1	LB3-1'	5/6/2016	67-66-3	Chloroform	ND	µg/kg	1
LB4	1	LB4-1'	5/5/2016	67-66-3	Chloroform	ND	µg/kg	1
LB5	1	LB5-1'	5/5/2016	67-66-3	Chloroform	ND	µg/kg	1
LB6	1	LB6-1'	5/5/2016	67-66-3	Chloroform	ND	µg/kg	1
LB7	1	LB7-1'	5/5/2016	67-66-3	Chloroform	ND	µg/kg	1
LB8	1	LB8-1'	5/5/2016	67-66-3	Chloroform	ND	µg/kg	1
A5	1.25	A5-1.25'	5/4/2016	67-66-3	Chloroform	ND	µg/kg	1
A7	3.5	A7-3.5'	5/5/2016	67-66-3	Chloroform	ND	µg/kg	1
B15	4	B15-4'	5/6/2016	67-66-3	Chloroform	ND	µg/kg	1
A1	4.5	A1-4.5'	5/4/2016	67-66-3	Chloroform	ND	µg/kg	1
A2	4.5	A2-4.5'	5/4/2016	67-66-3	Chloroform	ND	µg/kg	1
A3	4.5	A3-4.5'	5/4/2016	67-66-3	Chloroform	ND	µg/kg	1
A4	4.5	A4-4.5'	5/4/2016	67-66-3	Chloroform	ND	µg/kg	1
A5	4.5	A5-4.5'	5/4/2016	67-66-3	Chloroform	ND	µg/kg	1
A5B	4.5	A5B-4.5'	5/4/2016	67-66-3	Chloroform	ND	µg/kg	1
A6	4.5	A6-4.5'	5/5/2016	67-66-3	Chloroform	ND	µg/kg	1
A8	4.5	A8-4.5'	5/5/2016	67-66-3	Chloroform	ND	µg/kg	1
A9	4.5	A9-4.5'	5/5/2016	67-66-3	Chloroform	ND	µg/kg	1
A11	4.5	A11-4.5'	5/5/2016	67-66-3	Chloroform	ND	µg/kg	1
B1	4.5	B1-4.5'	5/4/2016	67-66-3	Chloroform	ND	µg/kg	1
B2	4.5	B2-4.5'	5/5/2016	67-66-3	Chloroform	ND	µg/kg	1
B3	4.5	B3-4.5'	5/4/2016	67-66-3	Chloroform	ND	µg/kg	1
B6	4.5	B6-4.5'	5/4/2016	67-66-3	Chloroform	ND	µg/kg	1
B7	4.5	B7-4.5'	5/5/2016	67-66-3	Chloroform	ND	µg/kg	1
B8	4.5	B8-4.5'	5/5/2016	67-66-3	Chloroform	ND	µg/kg	1
B9	4.5	B9-4.5'	5/5/2016	67-66-3	Chloroform	ND	µg/kg	1
B10	4.5	B10-4.5'	5/5/2016	67-66-3	Chloroform	ND	µg/kg	1
B11	4.5	B11-4.5'	5/5/2016	67-66-3	Chloroform	ND	µg/kg	1
LB	4.5	LB-4.5'	5/6/2016	67-66-3	Chloroform	ND	µg/kg	1
LB1	4.5	LB1-4.5'	5/6/2016	67-66-3	Chloroform	ND	µg/kg	1
LB3	4.5	LB3-4.5'	5/6/2016	67-66-3	Chloroform	ND	µg/kg	1
LB4	4.5	LB4-4.5'	5/5/2016	67-66-3	Chloroform	ND	µg/kg	1
LB5	4.5	LB5-4.5'	5/5/2016	67-66-3	Chloroform	ND	µg/kg	1
A12	5	A12-5'	5/5/2016	67-66-3	Chloroform	ND	µg/kg	1
A13	5	A13-5'	5/5/2016	67-66-3	Chloroform	ND	µg/kg	1
B12	5	B12-5'	5/5/2016	67-66-3	Chloroform	ND	µg/kg	1
B13	5	B13-5'	5/6/2016	67-66-3	Chloroform	ND	µg/kg	1
B14	5	B14-5'	5/8/2016	67-66-3	Chloroform	ND	µg/kg	1
B15	5	B15-5'	5/6/2016	67-66-3	Chloroform	ND	µg/kg	1
LB6	5	LB6-5'	5/5/2016	67-66-3	Chloroform	ND	µg/kg	1
LB7	5	LB7-5'	5/5/2016	67-66-3	Chloroform	ND	µg/kg	1
LB8	5	LB8-5'	5/5/2016	67-66-3	Chloroform	ND	µg/kg	1
A1	8.5	A1-8.5'	5/4/2016	67-66-3	Chloroform	ND	µg/kg	1
A2	8.5	A2-8.5'	5/4/2016	67-66-3	Chloroform	ND	µg/kg	1
A3	8.5	A3-8.5'	5/4/2016	67-66-3	Chloroform	ND	µg/kg	1
A4	8.5	A4-8.5'	5/4/2016	67-66-3	Chloroform	ND	µg/kg	1
A5B	8.5	A5B-8.5'	5/4/2016	67-66-3	Chloroform	ND	µg/kg	1
A6	8.5	A6-8.5'	5/5/2016	67-66-3	Chloroform	ND	µg/kg	1
A7	8.5	A7-8.5'	5/5/2016	67-66-3	Chloroform	ND	µg/kg	1
A8	8.5	A8-8.5'	5/5/2016	67-66-3	Chloroform	ND	µg/kg	1

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
A9	8.5	A9-8.5'	5/5/2016	67-66-3	Chloroform	ND	µg/kg	1
A11	8.5	A11-8.5'	5/5/2016	67-66-3	Chloroform	ND	µg/kg	1
B1	8.5	B1-8.5'	5/4/2016	67-66-3	Chloroform	ND	µg/kg	1
B2	8.5	B2-8.5'	5/5/2016	67-66-3	Chloroform	ND	µg/kg	1
B3	8.5	B3-8.5'	5/4/2016	67-66-3	Chloroform	ND	µg/kg	1
B6	8.5	B6-8.5'	5/4/2016	67-66-3	Chloroform	ND	µg/kg	1
B7	8.5	B7-8.5'	5/5/2016	67-66-3	Chloroform	ND	µg/kg	1
B8	8.5	B8-8.5'	5/5/2016	67-66-3	Chloroform	ND	µg/kg	1
B9	8.5	B9-8.5'	5/5/2016	67-66-3	Chloroform	ND	µg/kg	1
B10	8.5	B10-8.5'	5/5/2016	67-66-3	Chloroform	ND	µg/kg	1
B11	8.5	B11-8.5'	5/5/2016	67-66-3	Chloroform	ND	µg/kg	1
LB1	8.5	LB1-8.5'	5/6/2016	67-66-3	Chloroform	ND	µg/kg	1
LB2	8.5	LB2-8.5'	5/6/2016	67-66-3	Chloroform	ND	µg/kg	1
LB3	8.5	LB3-8.5'	5/6/2016	67-66-3	Chloroform	ND	µg/kg	1
LB4	8.5	LB4-8.5'	5/5/2016	67-66-3	Chloroform	ND	µg/kg	1
LB5	8.5	LB5-8.5'	5/5/2016	67-66-3	Chloroform	ND	µg/kg	1
A12	11	A12-11'	5/5/2016	67-66-3	Chloroform	ND	µg/kg	1
A13	11	A13-11'	5/5/2016	67-66-3	Chloroform	ND	µg/kg	1
B12	11	B12-11'	5/5/2016	67-66-3	Chloroform	ND	µg/kg	1
B13	11	B13-11'	5/6/2016	67-66-3	Chloroform	ND	µg/kg	1
B14	11	B14-11'	5/6/2016	67-66-3	Chloroform	ND	µg/kg	1
LB6	11	LB6-11'	5/5/2016	67-66-3	Chloroform	ND	µg/kg	1
LB7	11	LB7-11'	5/5/2016	67-66-3	Chloroform	ND	µg/kg	1
LB8	11	LB8-11'	5/5/2016	67-66-3	Chloroform	ND	µg/kg	1
LB3	1D	LB3-1'-D	5/6/2016	67-66-3	Chloroform	ND	µg/kg	1
LB5	1D	LB5-1D	5/5/2016	67-66-3	Chloroform	ND	µg/kg	1
B12	5D	B12-5'D	5/5/2016	67-66-3	Chloroform	ND	µg/kg	1
A3	8.5D	A3-8.5'-D	5/4/2016	67-66-3	Chloroform	ND	µg/kg	1
A11	8.5D	A11-8.5'-D	5/5/2016	67-66-3	Chloroform	ND	µg/kg	1
B8	8.5D	B8-8.5D	5/5/2016	67-66-3	Chloroform	ND	µg/kg	1
NP-3	12	NP-3-12	10/10/2017	67-66-3	Chloroform	ND	µg/kg	0.24
NP-2	6	NP-2-6	10/9/2017	67-66-3	Chloroform	ND	µg/kg	0.23
NP-1	12	NP-1-12	10/9/2017	67-66-3	Chloroform	ND	µg/kg	0.17
B5	1	B5-1'	5/4/2016	67-66-3	Chloroform	ND	µg/kg	1
B4	4.5	B4-4.5'	5/4/2016	67-66-3	Chloroform	ND	µg/kg	1
B5	4.5	B5-4.5'	5/4/2016	67-66-3	Chloroform	ND	µg/kg	1
B4	8.5	B4-8.5'	5/4/2016	67-66-3	Chloroform	ND	µg/kg	1
B5	8.5	B5-8.5'	5/4/2016	67-66-3	Chloroform	ND	µg/kg	1
B4	4.5D	B4-4.5D	5/4/2016	67-66-3	Chloroform	ND	µg/kg	1
NP-4	10	NP-4-10	10/11/2017	74-87-3	Chloromethane	ND	µg/kg	15
NP-3	12	NP-3-12	10/10/2017	74-87-3	Chloromethane	ND	µg/kg	0.3
NP-2	6	NP-2-6	10/9/2017	74-87-3	Chloromethane	ND	µg/kg	0.29
NP-1	12	NP-1-12	10/9/2017	74-87-3	Chloromethane	ND	µg/kg	0.22
SS-2	10	SS-2-10	6/28/2012	7440-47-3	Chromium	33	mg/kg	0.25
SS-3	10	SS-3-10	6/28/2012	7440-47-3	Chromium	22.6	mg/kg	0.25
SS-6	10	SS-6-10	6/28/2012	7440-47-3	Chromium	19	mg/kg	0.25
A6	4.5	A6-4.5'	5/5/2016	7440-47-3	Chromium, Cr	157	mg/kg	0.5
A6	8.5	A6-8.5'	5/5/2016	7440-47-3	Chromium, Cr	73.4	mg/kg	0.5
B14	1	B14-1'	5/6/2016	7440-47-3	Chromium, Cr	52.2	mg/kg	0.5
A1	8.5	A1-8.5'	5/4/2016	7440-47-3	Chromium, Cr	43.2	mg/kg	0.5
A12	5	A12-5'	5/5/2016	7440-47-3	Chromium, Cr	37.7	mg/kg	0.5
LB6	1	LB6-1'	5/5/2016	7440-47-3	Chromium, Cr	35.7	mg/kg	0.5

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
A12	11	A12-11'	5/5/2016	7440-47-3	Chromium, Cr	35.5	mg/kg	0.5
A13	5	A13-5'	5/5/2016	7440-47-3	Chromium, Cr	35.4	mg/kg	0.5
LB5	8.5	LB5-8.5'	5/5/2016	7440-47-3	Chromium, Cr	35.4	mg/kg	0.5
B13	5	B13-5'	5/6/2016	7440-47-3	Chromium, Cr	35.3	mg/kg	0.5
LB8	5	LB8-5'	5/5/2016	7440-47-3	Chromium, Cr	35.1	mg/kg	0.5
B10	8.5	B10-8.5'	5/5/2016	7440-47-3	Chromium, Cr	34.6	mg/kg	0.5
A8	4.5	A8-4.5'	5/5/2016	7440-47-3	Chromium, Cr	34.5	mg/kg	0.5
B12	5D	B12-5'D	5/5/2016	7440-47-3	Chromium, Cr	34.5	mg/kg	0.5
A7	8.5	A7-8.5'	5/5/2016	7440-47-3	Chromium, Cr	34.3	mg/kg	0.5
B12	11	B12-11'	5/5/2016	7440-47-3	Chromium, Cr	34.2	mg/kg	0.5
B11	8.5	B11-8.5'	5/5/2016	7440-47-3	Chromium, Cr	33.9	mg/kg	0.5
A1	4.5	A1-4.5'	5/4/2016	7440-47-3	Chromium, Cr	33.7	mg/kg	0.5
A12	1	A12-1'	5/5/2016	7440-47-3	Chromium, Cr	33.5	mg/kg	0.5
B2	4.5	B2-4.5'	5/5/2016	7440-47-3	Chromium, Cr	33.3	mg/kg	0.5
A3	8.5	A3-8.5'	5/4/2016	7440-47-3	Chromium, Cr	33.3	mg/kg	0.5
A3	4.5	A3-4.5'	5/4/2016	7440-47-3	Chromium, Cr	32.9	mg/kg	0.5
B12	1	B12-1'	5/5/2016	7440-47-3	Chromium, Cr	32.8	mg/kg	0.5
B13	11	B13-11'	5/6/2016	7440-47-3	Chromium, Cr	32.8	mg/kg	0.5
LB3	4.5	LB3-4.5'	5/6/2016	7440-47-3	Chromium, Cr	32.4	mg/kg	0.5
B12	5	B12-5'	5/5/2016	7440-47-3	Chromium, Cr	32.4	mg/kg	0.5
A2	4.5	A2-4.5'	5/4/2016	7440-47-3	Chromium, Cr	31.8	mg/kg	0.5
B6	8.5	B6-8.5'	5/4/2016	7440-47-3	Chromium, Cr	31.8	mg/kg	0.5
A13	11	A13-11'	5/5/2016	7440-47-3	Chromium, Cr	31.8	mg/kg	0.5
A11	8.5	A11-8.5'	5/5/2016	7440-47-3	Chromium, Cr	31.6	mg/kg	0.5
A9	4.5	A9-4.5'	5/5/2016	7440-47-3	Chromium, Cr	31.1	mg/kg	0.5
B13	1	B13-1'	5/6/2016	7440-47-3	Chromium, Cr	30.7	mg/kg	0.5
A13	1	A13-1'	5/5/2016	7440-47-3	Chromium, Cr	30.2	mg/kg	0.5
B11	4.5	B11-4.5'	5/5/2016	7440-47-3	Chromium, Cr	30.2	mg/kg	0.5
LB6	5	LB6-5'	5/5/2016	7440-47-3	Chromium, Cr	30.1	mg/kg	0.5
LB8	11	LB8-11'	5/5/2016	7440-47-3	Chromium, Cr	30	mg/kg	0.5
B7	4.5	B7-4.5'	5/5/2016	7440-47-3	Chromium, Cr	29.7	mg/kg	0.5
B10	4.5	B10-4.5'	5/5/2016	7440-47-3	Chromium, Cr	29.6	mg/kg	0.5
B8	4.5	B8-4.5'	5/5/2016	7440-47-3	Chromium, Cr	29.5	mg/kg	0.5
B9	4.5	B9-4.5'	5/5/2016	7440-47-3	Chromium, Cr	29.5	mg/kg	0.5
LB7	5	LB7-5'	5/5/2016	7440-47-3	Chromium, Cr	29.1	mg/kg	0.5
A5	1.25	A5-1.25'	5/4/2016	7440-47-3	Chromium, Cr	29	mg/kg	0.5
LB1	8.5	LB1-8.5'	5/6/2016	7440-47-3	Chromium, Cr	28.7	mg/kg	0.5
LB6	11	LB6-11'	5/5/2016	7440-47-3	Chromium, Cr	28.7	mg/kg	0.5
LB3	1D	LB3-1'-D	5/6/2016	7440-47-3	Chromium, Cr	28.7	mg/kg	0.5
A11	1	A11-1'	5/5/2016	7440-47-3	Chromium, Cr	28.2	mg/kg	0.5
B15	5	B15-5'	5/6/2016	7440-47-3	Chromium, Cr	27.8	mg/kg	0.5
LB8	1	LB8-1'	5/5/2016	7440-47-3	Chromium, Cr	27.7	mg/kg	0.5
LB2	8.5	LB2-8.5'	5/6/2016	7440-47-3	Chromium, Cr	27.4	mg/kg	0.5
B1	8.5	B1-8.5'	5/4/2016	7440-47-3	Chromium, Cr	27.3	mg/kg	0.5
LB7	11	LB7-11'	5/5/2016	7440-47-3	Chromium, Cr	27.3	mg/kg	0.5
LB5	1	LB5-1'	5/5/2016	7440-47-3	Chromium, Cr	27.2	mg/kg	0.5
LB5	4.5	LB5-4.5'	5/5/2016	7440-47-3	Chromium, Cr	26.9	mg/kg	0.5
B14	11	B14-11'	5/6/2016	7440-47-3	Chromium, Cr	26.7	mg/kg	0.5
LB3	1	LB3-1'	5/6/2016	7440-47-3	Chromium, Cr	26.4	mg/kg	0.5
B4	4.5	B4-4.5'	5/4/2016	7440-47-3	Chromium, Cr	26.4	mg/kg	0.5
B4	1	B4-1'	5/4/2016	7440-47-3	Chromium, Cr	25.9	mg/kg	0.5
A7	1	A7-1'	5/5/2016	7440-47-3	Chromium, Cr	25.8	mg/kg	0.5

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
B9	8.5	B9-8.5'	5/5/2016	7440-47-3	Chromium, Cr	25.7	mg/kg	0.5
B5	8.5	B5-8.5'	5/4/2016	7440-47-3	Chromium, Cr	25.3	mg/kg	0.5
LB1	1	LB1-1'	5/6/2016	7440-47-3	Chromium, Cr	24.9	mg/kg	0.5
A5B	8.5	A5B-8.5'	5/4/2016	7440-47-3	Chromium, Cr	24.9	mg/kg	0.5
LB7	1	LB7-1'	5/5/2016	7440-47-3	Chromium, Cr	24.7	mg/kg	0.5
B10	1	B10-1'	5/5/2016	7440-47-3	Chromium, Cr	24.6	mg/kg	0.5
B15	4	B15-4'	5/6/2016	7440-47-3	Chromium, Cr	24.4	mg/kg	0.5
B6	1	B6-1'	5/4/2016	7440-47-3	Chromium, Cr	24	mg/kg	0.5
B3	4.5	B3-4.5'	5/4/2016	7440-47-3	Chromium, Cr	23.7	mg/kg	0.5
B2	1	B2-1'	5/5/2016	7440-47-3	Chromium, Cr	23.4	mg/kg	0.5
B3	1	B3-1'	5/4/2016	7440-47-3	Chromium, Cr	23.1	mg/kg	0.5
LB1	4.5	LB1-4.5'	5/6/2016	7440-47-3	Chromium, Cr	22.8	mg/kg	0.5
LB5	1D	LB5-1D	5/5/2016	7440-47-3	Chromium, Cr	22.7	mg/kg	0.5
A6	1	A6-1'	5/5/2016	7440-47-3	Chromium, Cr	22.5	mg/kg	0.5
B8	8.5	B8-8.5'	5/5/2016	7440-47-3	Chromium, Cr	22.4	mg/kg	0.5
B11	1	B11-1'	5/5/2016	7440-47-3	Chromium, Cr	22.3	mg/kg	0.5
A11	4.5	A11-4.5'	5/5/2016	7440-47-3	Chromium, Cr	21.9	mg/kg	0.5
B8	8.5D	B8-8.5D	5/5/2016	7440-47-3	Chromium, Cr	21.8	mg/kg	0.5
A10	1	A10-1'	5/5/2016	7440-47-3	Chromium, Cr	21.6	mg/kg	0.5
A8	8.5	A8-8.5'	5/5/2016	7440-47-3	Chromium, Cr	21.5	mg/kg	0.5
B1	1	B1-1'	5/4/2016	7440-47-3	Chromium, Cr	21.4	mg/kg	0.5
A5	4.5	A5-4.5'	5/4/2016	7440-47-3	Chromium, Cr	21.3	mg/kg	0.5
A9	8.5	A9-8.5'	5/5/2016	7440-47-3	Chromium, Cr	20.3	mg/kg	0.5
B1	4.5	B1-4.5'	5/4/2016	7440-47-3	Chromium, Cr	20.1	mg/kg	0.5
B3	8.5	B3-8.5'	5/4/2016	7440-47-3	Chromium, Cr	19.8	mg/kg	0.5
LB4	8.5	LB4-8.5'	5/5/2016	7440-47-3	Chromium, Cr	19.6	mg/kg	0.5
LB4	1	LB4-1'	5/5/2016	7440-47-3	Chromium, Cr	19.1	mg/kg	0.5
A11	8.5D	A11-8.5'-D	5/5/2016	7440-47-3	Chromium, Cr	19.1	mg/kg	0.5
B2	8.5	B2-8.5'	5/5/2016	7440-47-3	Chromium, Cr	19	mg/kg	0.5
A8	1	A8-1'	5/5/2016	7440-47-3	Chromium, Cr	18.5	mg/kg	0.5
LB4	4.5	LB4-4.5'	5/5/2016	7440-47-3	Chromium, Cr	18.4	mg/kg	0.5
A5B	4.5	A5B-4.5'	5/4/2016	7440-47-3	Chromium, Cr	18.3	mg/kg	0.5
A2	8.5	A2-8.5'	5/4/2016	7440-47-3	Chromium, Cr	18.3	mg/kg	0.5
B7	8.5	B7-8.5'	5/5/2016	7440-47-3	Chromium, Cr	17.8	mg/kg	0.5
A9	1	A9-1'	5/5/2016	7440-47-3	Chromium, Cr	17.7	mg/kg	0.5
B5	1	B5-1'	5/4/2016	7440-47-3	Chromium, Cr	16.4	mg/kg	0.5
A4	4.5	A4-4.5'	5/4/2016	7440-47-3	Chromium, Cr	16.4	mg/kg	0.5
B5	4.5	B5-4.5'	5/4/2016	7440-47-3	Chromium, Cr	16.2	mg/kg	0.5
B6	4.5	B6-4.5'	5/4/2016	7440-47-3	Chromium, Cr	16.1	mg/kg	0.5
A1	1	A1-1'	5/4/2016	7440-47-3	Chromium, Cr	15.9	mg/kg	0.5
B4	8.5	B4-8.5'	5/4/2016	7440-47-3	Chromium, Cr	14.5	mg/kg	0.5
A5B	1	A5B-1'	5/4/2016	7440-47-3	Chromium, Cr	14.3	mg/kg	0.5
B9	1	B9-1'	5/5/2016	7440-47-3	Chromium, Cr	14.3	mg/kg	0.5
A4	8.5	A4-8.5'	5/4/2016	7440-47-3	Chromium, Cr	13.9	mg/kg	0.5
A3	8.5D	A3-8.5D	5/4/2016	7440-47-3	Chromium, Cr	11.5	mg/kg	0.5
B8	1	B8-1'	5/5/2016	7440-47-3	Chromium, Cr	10.2	mg/kg	0.5
LB2	4.5	LB2-4.5'	5/6/2016	7440-47-3	Chromium, Cr	8.1	mg/kg	0.5
A7	3.5	A7-3.5'	5/5/2016	7440-47-3	Chromium, Cr	7.9	mg/kg	0.5
LB2	1	LB2-1'	5/6/2016	7440-47-3	Chromium, Cr	7	mg/kg	0.5
B14	5	B14-5'	5/6/2016	7440-47-3	Chromium, Cr	6.7	mg/kg	0.5
B4	4.5D	B4-4.5D	5/4/2016	7440-47-3	Chromium, Cr	6.7	mg/kg	0.5
LB3	8.5	LB3-8.5'	5/6/2016	7440-47-3	Chromium, Cr	6.6	mg/kg	0.5

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
SS-5	5	SS-5--5	6/28/2012	18540-29-9	Chromium, Hexavalent	1300	µg/kg	400
SS-2	5	SS-2--5	6/28/2012	18540-29-9	Chromium, Hexavalent	1100	µg/kg	400
SS-2	10	SS-2-10	6/28/2012	18540-29-9	Chromium, Hexavalent	960	µg/kg	400
SS-1	5	SS-1--5	6/28/2012	18540-29-9	Chromium, Hexavalent	ND	µg/kg	400
SS-3	5	SS-3--5	6/28/2012	18540-29-9	Chromium, Hexavalent	ND	µg/kg	400
SS-4	5	SS-4--5	6/28/2012	18540-29-9	Chromium, Hexavalent	ND	µg/kg	400
SS-1	10	SS-1-10	6/28/2012	18540-29-9	Chromium, Hexavalent	ND	µg/kg	400
SS-3	10	SS-3-10	6/28/2012	18540-29-9	Chromium, Hexavalent	ND	µg/kg	400
SS-4	10	SS-4-10	6/28/2012	18540-29-9	Chromium, Hexavalent	ND	µg/kg	400
SS-5	10	SS-5-10	6/28/2012	18540-29-9	Chromium, Hexavalent	ND	µg/kg	400
SS-6	10	SS-6-10	6/28/2012	18540-29-9	Chromium, Hexavalent	ND	µg/kg	400
NP-4	10	NP-4-10	10/11/2017	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	14
B4	1	B4-1'	5/4/2016	156-59-2	cis-1,2-Dichloroethene	5	µg/kg	1
A1	1	A1-1'	5/4/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
A5B	1	A5B-1'	5/4/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
A6	1	A6-1'	5/5/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
A7	1	A7-1'	5/5/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
A8	1	A8-1'	5/5/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
A9	1	A9-1'	5/5/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
A10	1	A10-1'	5/5/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
A11	1	A11-1'	5/5/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
A12	1	A12-1'	5/5/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
A13	1	A13-1'	5/5/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
B1	1	B1-1'	5/4/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
B2	1	B2-1'	5/5/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
B3	1	B3-1'	5/4/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
B5	1	B5-1'	5/4/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
B6	1	B6-1'	5/4/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
B7	1	B7-1'	5/5/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
B8	1	B8-1'	5/5/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
B9	1	B9-1'	5/5/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
B10	1	B10-1'	5/7/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
B11	1	B11-1'	5/5/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
B12	1	B12-1'	5/5/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
B13	1	B13-1'	5/6/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
B14	1	B14-1'	5/6/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
B15	1	B15-1'	5/6/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
LB1	1	LB1-1'	5/6/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
LB2	1	LB2-1'	5/6/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
LB3	1	LB3-1'	5/6/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
LB4	1	LB4-1'	5/5/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
LB5	1	LB5-1'	5/5/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
LB6	1	LB6-1'	5/5/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
LB7	1	LB7-1'	5/5/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
LB8	1	LB8-1'	5/5/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
A5	1.25	A5-1.25'	5/4/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
A7	3.5	A7-3.5'	5/5/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
B15	4	B15-4'	5/6/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
A1	4.5	A1-4.5'	5/4/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
A2	4.5	A2-4.5'	5/4/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
A3	4.5	A3-4.5'	5/4/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
A4	4.5	A4-4.5'	5/4/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
A5	4.5	A5-4.5'	5/4/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
A5B	4.5	A5B-4.5'	5/4/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
A6	4.5	A6-4.5'	5/5/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
A8	4.5	A8-4.5'	5/5/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
A9	4.5	A9-4.5'	5/5/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
A11	4.5	A11-4.5'	5/5/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
B1	4.5	B1-4.5'	5/4/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
B2	4.5	B2-4.5'	5/5/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
B3	4.5	B3-4.5'	5/4/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
B4	4.5	B4-4.5'	5/4/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
B5	4.5	B5-4.5'	5/4/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
B6	4.5	B6-4.5'	5/4/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
B7	4.5	B7-4.5'	5/5/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
B8	4.5	B8-4.5'	5/5/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
B9	4.5	B9-4.5'	5/5/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
B10	4.5	B10-4.5'	5/5/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
B11	4.5	B11-4.5'	5/5/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
LB	4.5	LB-4.5'	5/6/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
LB1	4.5	LB1-4.5'	5/6/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
LB3	4.5	LB3-4.5'	5/6/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
LB4	4.5	LB4-4.5'	5/5/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
LB5	4.5	LB5-4.5'	5/5/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
A12	5	A12-5'	5/5/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
A13	5	A13-5'	5/5/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
B12	5	B12-5'	5/5/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
B13	5	B13-5'	5/6/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
B14	5	B14-5'	5/8/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
B15	5	B15-5'	5/6/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
LB6	5	LB6-5'	5/5/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
LB7	5	LB7-5'	5/5/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
LB8	5	LB8-5'	5/5/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
A1	8.5	A1-8.5'	5/4/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
A2	8.5	A2-8.5'	5/4/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
A3	8.5	A3-8.5'	5/4/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
A4	8.5	A4-8.5'	5/4/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
A5B	8.5	A5B-8.5'	5/4/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
A6	8.5	A6-8.5'	5/5/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
A7	8.5	A7-8.5'	5/5/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
A8	8.5	A8-8.5'	5/5/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
A9	8.5	A9-8.5'	5/5/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
A11	8.5	A11-8.5'	5/5/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
B1	8.5	B1-8.5'	5/4/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
B2	8.5	B2-8.5'	5/5/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
B3	8.5	B3-8.5'	5/4/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
B4	8.5	B4-8.5'	5/4/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
B5	8.5	B5-8.5'	5/4/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
B6	8.5	B6-8.5'	5/4/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
B7	8.5	B7-8.5'	5/5/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
B8	8.5	B8-8.5'	5/5/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
B9	8.5	B9-8.5'	5/5/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
B10	8.5	B10-8.5'	5/5/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
B11	8.5	B11-8.5'	5/5/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
LB1	8.5	LB1-8.5'	5/6/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
LB2	8.5	LB2-8.5'	5/6/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
LB3	8.5	LB3-8.5'	5/6/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
LB4	8.5	LB4-8.5'	5/5/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
LB5	8.5	LB5-8.5'	5/5/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
A12	11	A12-11'	5/5/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
A13	11	A13-11'	5/5/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
B12	11	B12-11'	5/5/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
B13	11	B13-11'	5/6/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
B14	11	B14-11'	5/6/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
LB6	11	LB6-11'	5/5/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
LB7	11	LB7-11'	5/5/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
LB8	11	LB8-11'	5/5/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
LB3	1D	LB3-1'-D	5/6/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
LB5	1D	LB5-1D	5/5/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
B4	4.5D	B4-4.5D	5/4/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
B12	5D	B12-5'D	5/5/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
A3	8.5D	A3-8.5'-D	5/4/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
A11	8.5D	A11-8.5'-D	5/5/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
B8	8.5D	B8-8.5D	5/5/2016	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	1
NP-3	12	NP-3-12	10/10/2017	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	0.28
NP-2	6	NP-2-6	10/9/2017	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	0.27
NP-1	12	NP-1-12	10/9/2017	156-59-2	cis-1,2-Dichloroethene	ND	µg/kg	0.2
NP-4	10	NP-4-10	10/11/2017	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	12
A1	1	A1-1'	5/4/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
A4	1	A4-1'	5/4/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
A5B	1	A5B-1'	5/4/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
A6	1	A6-1'	5/5/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
A7	1	A7-1'	5/5/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
A8	1	A8-1'	5/5/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
A9	1	A9-1'	5/5/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
A10	1	A10-1'	5/5/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
A11	1	A11-1'	5/5/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
A12	1	A12-1'	5/5/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
A13	1	A13-1'	5/5/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
B1	1	B1-1'	5/4/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
B2	1	B2-1'	5/5/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
B3	1	B3-1'	5/4/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
B4	1	B4-1'	5/4/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
B5	1	B5-1'	5/4/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
B6	1	B6-1'	5/4/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
B7	1	B7-1'	5/5/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
B8	1	B8-1'	5/5/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
B9	1	B9-1'	5/5/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
B10	1	B10-1'	5/7/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
B11	1	B11-1'	5/5/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
B12	1	B12-1'	5/5/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
B13	1	B13-1'	5/6/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
B14	1	B14-1'	5/6/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
B15	1	B15-1'	5/6/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
LB1	1	LB1-1'	5/6/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
LB2	1	LB2-1'	5/6/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
LB3	1	LB3-1'	5/6/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
LB4	1	LB4-1'	5/5/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
LB5	1	LB5-1'	5/5/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
LB6	1	LB6-1'	5/5/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
LB7	1	LB7-1'	5/5/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
LB8	1	LB8-1'	5/5/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
A5	1.25	A5-1.25'	5/4/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
A7	3.5	A7-3.5'	5/5/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
B15	4	B15-4'	5/6/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
A1	4.5	A1-4.5'	5/4/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
A2	4.5	A2-4.5'	5/4/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
A3	4.5	A3-4.5'	5/4/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
A4	4.5	A4-4.5'	5/4/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
A5	4.5	A5-4.5'	5/4/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
A5B	4.5	A5B-4.5'	5/4/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
A6	4.5	A6-4.5'	5/5/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
A8	4.5	A8-4.5'	5/5/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
A9	4.5	A9-4.5'	5/5/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
A11	4.5	A11-4.5'	5/5/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
B1	4.5	B1-4.5'	5/4/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
B2	4.5	B2-4.5'	5/5/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
B3	4.5	B3-4.5'	5/4/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
B4	4.5	B4-4.5'	5/4/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
B5	4.5	B5-4.5'	5/4/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
B6	4.5	B6-4.5'	5/4/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
B7	4.5	B7-4.5'	5/5/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
B8	4.5	B8-4.5'	5/5/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
B9	4.5	B9-4.5'	5/5/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
B10	4.5	B10-4.5'	5/5/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
B11	4.5	B11-4.5'	5/5/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
LB	4.5	LB-4.5'	5/6/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
LB1	4.5	LB1-4.5'	5/6/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
LB3	4.5	LB3-4.5'	5/6/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
LB4	4.5	LB4-4.5'	5/5/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
LB5	4.5	LB5-4.5'	5/5/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
A12	5	A12-5'	5/5/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
A13	5	A13-5'	5/5/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
B12	5	B12-5'	5/5/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
B13	5	B13-5'	5/6/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
B14	5	B14-5'	5/8/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
B15	5	B15-5'	5/6/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
LB6	5	LB6-5'	5/5/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
LB7	5	LB7-5'	5/5/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
LB8	5	LB8-5'	5/5/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
A1	8.5	A1-8.5'	5/4/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
A2	8.5	A2-8.5'	5/4/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
A3	8.5	A3-8.5'	5/4/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
A4	8.5	A4-8.5'	5/4/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
A5B	8.5	A5B-8.5'	5/4/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
A6	8.5	A6-8.5'	5/5/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
A7	8.5	A7-8.5'	5/5/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
A8	8.5	A8-8.5'	5/5/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
A9	8.5	A9-8.5'	5/5/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
A11	8.5	A11-8.5'	5/5/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
B1	8.5	B1-8.5'	5/4/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
B2	8.5	B2-8.5'	5/5/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
B3	8.5	B3-8.5'	5/4/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
B4	8.5	B4-8.5'	5/4/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
B5	8.5	B5-8.5'	5/4/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
B6	8.5	B6-8.5'	5/4/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
B7	8.5	B7-8.5'	5/5/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
B8	8.5	B8-8.5'	5/5/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
B9	8.5	B9-8.5'	5/5/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
B10	8.5	B10-8.5'	5/5/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
B11	8.5	B11-8.5'	5/5/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
LB1	8.5	LB1-8.5'	5/6/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
LB2	8.5	LB2-8.5'	5/6/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
LB3	8.5	LB3-8.5'	5/6/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
LB4	8.5	LB4-8.5'	5/5/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
LB5	8.5	LB5-8.5'	5/5/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
A12	11	A12-11'	5/5/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
A13	11	A13-11'	5/5/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
B12	11	B12-11'	5/5/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
B13	11	B13-11'	5/6/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
B14	11	B14-11'	5/6/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
LB6	11	LB6-11'	5/5/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
LB7	11	LB7-11'	5/5/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
LB8	11	LB8-11'	5/5/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
LB3	1D	LB3-1'-D	5/6/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
LB5	1D	LB5-1D	5/5/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
B4	4.5D	B4-4.5D	5/4/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
B12	5D	B12-5'D	5/5/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
A3	8.5D	A3-8.5'-D	5/4/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
A11	8.5D	A11-8.5'-D	5/5/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
B8	8.5D	B8-8.5D	5/5/2016	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	1
NP-2	6	NP-2-6	10/9/2017	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	0.25
NP-3	12	NP-3-12	10/10/2017	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	0.25
NP-1	12	NP-1-12	10/9/2017	10061-01-5	cis-1,3-Dichloropropene	ND	µg/kg	0.19
SS-3	10	SS-3-10	6/28/2012	7440-48-4	Cobalt	14.2	mg/kg	0.25
SS-6	10	SS-6-10	6/28/2012	7440-48-4	Cobalt	12.5	mg/kg	0.25
SS-2	10	SS-2-10	6/28/2012	7440-48-4	Cobalt	7.02	mg/kg	0.25
A1	8.5	A1-8.5'	5/4/2016	7440-48-4	Cobalt, Co	22.6	mg/kg	0.5
B12	1	B12-1'	5/5/2016	7440-48-4	Cobalt, Co	21.3	mg/kg	0.5
A13	5	A13-5'	5/5/2016	7440-48-4	Cobalt, Co	21	mg/kg	0.5
B13	5	B13-5'	5/6/2016	7440-48-4	Cobalt, Co	20.9	mg/kg	0.5
A12	5	A12-5'	5/5/2016	7440-48-4	Cobalt, Co	20.6	mg/kg	0.5
B13	11	B13-11'	5/6/2016	7440-48-4	Cobalt, Co	20.6	mg/kg	0.5
A8	4.5	A8-4.5'	5/5/2016	7440-48-4	Cobalt, Co	20.3	mg/kg	0.5
LB5	8.5	LB5-8.5'	5/5/2016	7440-48-4	Cobalt, Co	20.3	mg/kg	0.5
A6	8.5	A6-8.5'	5/5/2016	7440-48-4	Cobalt, Co	20.1	mg/kg	0.5
LB8	5	LB8-5'	5/5/2016	7440-48-4	Cobalt, Co	20	mg/kg	0.5
A12	11	A12-11'	5/5/2016	7440-48-4	Cobalt, Co	20	mg/kg	0.5
LB6	1	LB6-1'	5/5/2016	7440-48-4	Cobalt, Co	19.9	mg/kg	0.5
A12	1	A12-1'	5/5/2016	7440-48-4	Cobalt, Co	19.7	mg/kg	0.5

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
A6	4.5	A6-4.5'	5/5/2016	7440-48-4	Cobalt, Co	19.7	mg/kg	0.5
B10	8.5	B10-8.5'	5/5/2016	7440-48-4	Cobalt, Co	19.6	mg/kg	0.5
A1	4.5	A1-4.5'	5/4/2016	7440-48-4	Cobalt, Co	19.5	mg/kg	0.5
B12	5D	B12-5'D	5/5/2016	7440-48-4	Cobalt, Co	19.5	mg/kg	0.5
LB2	4.5	LB2-4.5'	5/6/2016	7440-48-4	Cobalt, Co	19.2	mg/kg	0.5
B2	4.5	B2-4.5'	5/5/2016	7440-48-4	Cobalt, Co	19.1	mg/kg	0.5
B12	11	B12-11'	5/5/2016	7440-48-4	Cobalt, Co	18.8	mg/kg	0.5
B6	8.5	B6-8.5'	5/4/2016	7440-48-4	Cobalt, Co	18.7	mg/kg	0.5
B11	8.5	B11-8.5'	5/5/2016	7440-48-4	Cobalt, Co	18.7	mg/kg	0.5
A3	8.5	A3-8.5'	5/4/2016	7440-48-4	Cobalt, Co	18.6	mg/kg	0.5
A13	11	A13-11'	5/5/2016	7440-48-4	Cobalt, Co	18.5	mg/kg	0.5
A3	4.5	A3-4.5'	5/4/2016	7440-48-4	Cobalt, Co	18.3	mg/kg	0.5
B12	5	B12-5'	5/5/2016	7440-48-4	Cobalt, Co	18.2	mg/kg	0.5
B10	4.5	B10-4.5'	5/5/2016	7440-48-4	Cobalt, Co	18.1	mg/kg	0.5
A11	8.5	A11-8.5'	5/5/2016	7440-48-4	Cobalt, Co	18.1	mg/kg	0.5
A13	1	A13-1'	5/5/2016	7440-48-4	Cobalt, Co	17.6	mg/kg	0.5
LB3	4.5	LB3-4.5'	5/6/2016	7440-48-4	Cobalt, Co	17.5	mg/kg	0.5
LB2	8.5	LB2-8.5'	5/6/2016	7440-48-4	Cobalt, Co	17.3	mg/kg	0.5
LB1	8.5	LB1-8.5'	5/6/2016	7440-48-4	Cobalt, Co	17.2	mg/kg	0.5
B11	4.5	B11-4.5'	5/5/2016	7440-48-4	Cobalt, Co	17.1	mg/kg	0.5
LB6	5	LB6-5'	5/5/2016	7440-48-4	Cobalt, Co	17.1	mg/kg	0.5
B8	4.5	B8-4.5'	5/5/2016	7440-48-4	Cobalt, Co	17	mg/kg	0.5
B7	4.5	B7-4.5'	5/5/2016	7440-48-4	Cobalt, Co	16.9	mg/kg	0.5
B9	4.5	B9-4.5'	5/5/2016	7440-48-4	Cobalt, Co	16.7	mg/kg	0.5
A7	8.5	A7-8.5'	5/5/2016	7440-48-4	Cobalt, Co	16.7	mg/kg	0.5
A5	1.25	A5-1.25'	5/4/2016	7440-48-4	Cobalt, Co	16.5	mg/kg	0.5
LB8	11	LB8-11'	5/5/2016	7440-48-4	Cobalt, Co	16.4	mg/kg	0.5
LB6	11	LB6-11'	5/5/2016	7440-48-4	Cobalt, Co	16.3	mg/kg	0.5
LB5	4.5	LB5-4.5'	5/5/2016	7440-48-4	Cobalt, Co	16.2	mg/kg	0.5
LB7	5	LB7-5'	5/5/2016	7440-48-4	Cobalt, Co	16.2	mg/kg	0.5
LB3	1D	LB3-1'-D	5/6/2016	7440-48-4	Cobalt, Co	16.2	mg/kg	0.5
B13	1	B13-1'	5/6/2016	7440-48-4	Cobalt, Co	16.1	mg/kg	0.5
A9	4.5	A9-4.5'	5/5/2016	7440-48-4	Cobalt, Co	16.1	mg/kg	0.5
A11	1	A11-1'	5/5/2016	7440-48-4	Cobalt, Co	15.8	mg/kg	0.5
LB5	1	LB5-1'	5/5/2016	7440-48-4	Cobalt, Co	15.6	mg/kg	0.5
B14	1	B14-1'	5/6/2016	7440-48-4	Cobalt, Co	15.2	mg/kg	0.5
B14	11	B14-11'	5/6/2016	7440-48-4	Cobalt, Co	15.2	mg/kg	0.5
A10	1	A10-1'	5/5/2016	7440-48-4	Cobalt, Co	15	mg/kg	0.5
LB7	1	LB7-1'	5/5/2016	7440-48-4	Cobalt, Co	14.8	mg/kg	0.5
LB8	1	LB8-1'	5/5/2016	7440-48-4	Cobalt, Co	14.8	mg/kg	0.5
B2	1	B2-1'	5/5/2016	7440-48-4	Cobalt, Co	14.3	mg/kg	0.5
B9	8.5	B9-8.5'	5/5/2016	7440-48-4	Cobalt, Co	14.2	mg/kg	0.5
LB7	11	LB7-11'	5/5/2016	7440-48-4	Cobalt, Co	14.2	mg/kg	0.5
B10	1	B10-1'	5/5/2016	7440-48-4	Cobalt, Co	14.1	mg/kg	0.5
B1	8.5	B1-8.5'	5/4/2016	7440-48-4	Cobalt, Co	14	mg/kg	0.5
B5	8.5	B5-8.5'	5/4/2016	7440-48-4	Cobalt, Co	13.8	mg/kg	0.5
B8	8.5	B8-8.5'	5/5/2016	7440-48-4	Cobalt, Co	13.8	mg/kg	0.5
B4	4.5	B4-4.5'	5/4/2016	7440-48-4	Cobalt, Co	13.7	mg/kg	0.5
A6	1	A6-1'	5/5/2016	7440-48-4	Cobalt, Co	13.6	mg/kg	0.5
B6	1	B6-1'	5/4/2016	7440-48-4	Cobalt, Co	13.5	mg/kg	0.5
A2	4.5	A2-4.5'	5/4/2016	7440-48-4	Cobalt, Co	13.4	mg/kg	0.5
B8	8.5D	B8-8.5D	5/5/2016	7440-48-4	Cobalt, Co	13.2	mg/kg	0.5

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
LB1	4.5	LB1-4.5'	5/6/2016	7440-48-4	Cobalt, Co	13.1	mg/kg	0.5
B15	4	B15-4'	5/6/2016	7440-48-4	Cobalt, Co	13	mg/kg	0.5
B3	1	B3-1'	5/4/2016	7440-48-4	Cobalt, Co	12.9	mg/kg	0.5
LB1	1	LB1-1'	5/6/2016	7440-48-4	Cobalt, Co	12.8	mg/kg	0.5
B11	1	B11-1'	5/5/2016	7440-48-4	Cobalt, Co	12.7	mg/kg	0.5
A9	1	A9-1'	5/5/2016	7440-48-4	Cobalt, Co	12.3	mg/kg	0.5
A8	1	A8-1'	5/5/2016	7440-48-4	Cobalt, Co	12.2	mg/kg	0.5
B3	4.5	B3-4.5'	5/4/2016	7440-48-4	Cobalt, Co	12.2	mg/kg	0.5
A5B	8.5	A5B-8.5'	5/4/2016	7440-48-4	Cobalt, Co	12	mg/kg	0.5
B1	1	B1-1'	5/4/2016	7440-48-4	Cobalt, Co	11.9	mg/kg	0.5
A5B	4.5	A5B-4.5'	5/4/2016	7440-48-4	Cobalt, Co	11.9	mg/kg	0.5
B4	1	B4-1'	5/4/2016	7440-48-4	Cobalt, Co	11.7	mg/kg	0.5
A11	4.5	A11-4.5'	5/5/2016	7440-48-4	Cobalt, Co	11.6	mg/kg	0.5
A9	8.5	A9-8.5'	5/5/2016	7440-48-4	Cobalt, Co	11.4	mg/kg	0.5
A8	8.5	A8-8.5'	5/5/2016	7440-48-4	Cobalt, Co	11.3	mg/kg	0.5
A1	1	A1-1'	5/4/2016	7440-48-4	Cobalt, Co	11.1	mg/kg	0.5
LB3	1	LB3-1'	5/6/2016	7440-48-4	Cobalt, Co	11	mg/kg	0.5
B5	4.5	B5-4.5'	5/4/2016	7440-48-4	Cobalt, Co	10.6	mg/kg	0.5
B5	1	B5-1'	5/4/2016	7440-48-4	Cobalt, Co	10.4	mg/kg	0.5
A5	4.5	A5-4.5'	5/4/2016	7440-48-4	Cobalt, Co	10.4	mg/kg	0.5
B1	4.5	B1-4.5'	5/4/2016	7440-48-4	Cobalt, Co	10.4	mg/kg	0.5
LB4	4.5	LB4-4.5'	5/5/2016	7440-48-4	Cobalt, Co	10.4	mg/kg	0.5
B2	8.5	B2-8.5'	5/5/2016	7440-48-4	Cobalt, Co	10.4	mg/kg	0.5
LB4	1	LB4-1'	5/5/2016	7440-48-4	Cobalt, Co	10.3	mg/kg	0.5
B3	8.5	B3-8.5'	5/4/2016	7440-48-4	Cobalt, Co	10.3	mg/kg	0.5
A11	8.5D	A11-8.5'-D	5/5/2016	7440-48-4	Cobalt, Co	10.2	mg/kg	0.5
B6	4.5	B6-4.5'	5/4/2016	7440-48-4	Cobalt, Co	10.1	mg/kg	0.5
B9	1	B9-1'	5/5/2016	7440-48-4	Cobalt, Co	10	mg/kg	0.5
A5B	1	A5B-1'	5/4/2016	7440-48-4	Cobalt, Co	9.9	mg/kg	0.5
LB4	8.5	LB4-8.5'	5/5/2016	7440-48-4	Cobalt, Co	9.8	mg/kg	0.5
LB5	1D	LB5-1D	5/5/2016	7440-48-4	Cobalt, Co	9.8	mg/kg	0.5
A7	1	A7-1'	5/5/2016	7440-48-4	Cobalt, Co	9.6	mg/kg	0.5
A4	4.5	A4-4.5'	5/4/2016	7440-48-4	Cobalt, Co	8.6	mg/kg	0.5
A2	8.5	A2-8.5'	5/4/2016	7440-48-4	Cobalt, Co	8.4	mg/kg	0.5
B4	8.5	B4-8.5'	5/4/2016	7440-48-4	Cobalt, Co	8	mg/kg	0.5
B7	8.5	B7-8.5'	5/5/2016	7440-48-4	Cobalt, Co	8	mg/kg	0.5
B8	1	B8-1'	5/5/2016	7440-48-4	Cobalt, Co	7.6	mg/kg	0.5
B15	5	B15-5'	5/6/2016	7440-48-4	Cobalt, Co	6.9	mg/kg	0.5
A4	8.5	A4-8.5'	5/4/2016	7440-48-4	Cobalt, Co	6.3	mg/kg	0.5
LB3	8.5	LB3-8.5'	5/6/2016	7440-48-4	Cobalt, Co	6.3	mg/kg	0.5
B4	4.5D	B4-4.5D	5/4/2016	7440-48-4	Cobalt, Co	5.8	mg/kg	0.5
B14	5	B14-5'	5/6/2016	7440-48-4	Cobalt, Co	5.6	mg/kg	0.5
LB2	1	LB2-1'	5/6/2016	7440-48-4	Cobalt, Co	4.5	mg/kg	0.5
A3	8.5D	A3-8.5D	5/4/2016	7440-48-4	Cobalt, Co	3.7	mg/kg	0.5
A7	3.5	A7-3.5'	5/5/2016	7440-48-4	Cobalt, Co	1.1	mg/kg	0.5
SS-2	10	SS-2-10	6/28/2012	7440-50-8	Copper	244	mg/kg	0.5
SS-3	10	SS-3-10	6/28/2012	7440-50-8	Copper	23.9	mg/kg	0.5
SS-6	10	SS-6-10	6/28/2012	7440-50-8	Copper	21.2	mg/kg	0.5
A7	3.5	A7-3.5'	5/5/2016	7440-50-8	Copper, Cu	6740	mg/kg	10
A7	8.5	A7-8.5'	5/5/2016	7440-50-8	Copper, Cu	609	mg/kg	5
B3	1	B3-1'	5/4/2016	7440-50-8	Copper, Cu	145	mg/kg	0.5
B4	1	B4-1'	5/4/2016	7440-50-8	Copper, Cu	133	mg/kg	0.5

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
A5B	1	A5B-1'	5/4/2016	7440-50-8	Copper, Cu	124	mg/kg	0.5
A11	1	A11-1'	5/5/2016	7440-50-8	Copper, Cu	106	mg/kg	0.5
A6	8.5	A6-8.5'	5/5/2016	7440-50-8	Copper, Cu	100	mg/kg	0.5
LB3	1	LB3-1'	5/6/2016	7440-50-8	Copper, Cu	64.4	mg/kg	0.5
LB4	1	LB4-1'	5/5/2016	7440-50-8	Copper, Cu	61.3	mg/kg	0.5
A3	4.5	A3-4.5'	5/4/2016	7440-50-8	Copper, Cu	48.8	mg/kg	0.5
B13	5	B13-5'	5/6/2016	7440-50-8	Copper, Cu	48.2	mg/kg	0.5
A1	8.5	A1-8.5'	5/4/2016	7440-50-8	Copper, Cu	47.3	mg/kg	0.5
LB6	1	LB6-1'	5/5/2016	7440-50-8	Copper, Cu	45.6	mg/kg	0.5
A12	5	A12-5'	5/5/2016	7440-50-8	Copper, Cu	45.5	mg/kg	0.5
B11	8.5	B11-8.5'	5/5/2016	7440-50-8	Copper, Cu	42.7	mg/kg	0.5
A8	4.5	A8-4.5'	5/5/2016	7440-50-8	Copper, Cu	42.6	mg/kg	0.5
A12	11	A12-11'	5/5/2016	7440-50-8	Copper, Cu	42.4	mg/kg	0.5
A13	5	A13-5'	5/5/2016	7440-50-8	Copper, Cu	41.8	mg/kg	0.5
A1	4.5	A1-4.5'	5/4/2016	7440-50-8	Copper, Cu	41.7	mg/kg	0.5
B10	8.5	B10-8.5'	5/5/2016	7440-50-8	Copper, Cu	39.3	mg/kg	0.5
A6	4.5	A6-4.5'	5/5/2016	7440-50-8	Copper, Cu	39	mg/kg	0.5
A12	1	A12-1'	5/5/2016	7440-50-8	Copper, Cu	38.9	mg/kg	0.5
B2	4.5	B2-4.5'	5/5/2016	7440-50-8	Copper, Cu	38.5	mg/kg	0.5
LB3	4.5	LB3-4.5'	5/6/2016	7440-50-8	Copper, Cu	38.3	mg/kg	0.5
LB8	5	LB8-5'	5/5/2016	7440-50-8	Copper, Cu	38.2	mg/kg	0.5
A3	8.5	A3-8.5'	5/4/2016	7440-50-8	Copper, Cu	37.9	mg/kg	0.5
B6	8.5	B6-8.5'	5/4/2016	7440-50-8	Copper, Cu	37.9	mg/kg	0.5
LB5	8.5	LB5-8.5'	5/5/2016	7440-50-8	Copper, Cu	37.6	mg/kg	0.5
LB3	1D	LB3-1'-D	5/6/2016	7440-50-8	Copper, Cu	37.2	mg/kg	0.5
B12	5D	B12-5'D	5/5/2016	7440-50-8	Copper, Cu	37.2	mg/kg	0.5
B13	11	B13-11'	5/6/2016	7440-50-8	Copper, Cu	37	mg/kg	0.5
B10	4.5	B10-4.5'	5/5/2016	7440-50-8	Copper, Cu	36.5	mg/kg	0.5
A13	1	A13-1'	5/5/2016	7440-50-8	Copper, Cu	36.2	mg/kg	0.5
B12	11	B12-11'	5/5/2016	7440-50-8	Copper, Cu	36	mg/kg	0.5
B12	1	B12-1'	5/5/2016	7440-50-8	Copper, Cu	35.6	mg/kg	0.5
A9	4.5	A9-4.5'	5/5/2016	7440-50-8	Copper, Cu	35.5	mg/kg	0.5
A7	1	A7-1'	5/5/2016	7440-50-8	Copper, Cu	35.2	mg/kg	0.5
B3	4.5	B3-4.5'	5/4/2016	7440-50-8	Copper, Cu	34.5	mg/kg	0.5
B12	5	B12-5'	5/5/2016	7440-50-8	Copper, Cu	34.3	mg/kg	0.5
A1	1	A1-1'	5/4/2016	7440-50-8	Copper, Cu	33.9	mg/kg	0.5
A13	11	A13-11'	5/5/2016	7440-50-8	Copper, Cu	33.6	mg/kg	0.5
LB5	1	LB5-1'	5/5/2016	7440-50-8	Copper, Cu	33.4	mg/kg	0.5
B7	4.5	B7-4.5'	5/5/2016	7440-50-8	Copper, Cu	33.4	mg/kg	0.5
B9	4.5	B9-4.5'	5/5/2016	7440-50-8	Copper, Cu	33.3	mg/kg	0.5
LB6	11	LB6-11'	5/5/2016	7440-50-8	Copper, Cu	33.3	mg/kg	0.5
LB6	5	LB6-5'	5/5/2016	7440-50-8	Copper, Cu	32.6	mg/kg	0.5
B4	4.5	B4-4.5'	5/4/2016	7440-50-8	Copper, Cu	32.3	mg/kg	0.5
B8	4.5	B8-4.5'	5/5/2016	7440-50-8	Copper, Cu	32	mg/kg	0.5
A11	8.5	A11-8.5'	5/5/2016	7440-50-8	Copper, Cu	31.3	mg/kg	0.5
LB8	11	LB8-11'	5/5/2016	7440-50-8	Copper, Cu	31.3	mg/kg	0.5
LB5	4.5	LB5-4.5'	5/5/2016	7440-50-8	Copper, Cu	30.9	mg/kg	0.5
A5	1.25	A5-1.25'	5/4/2016	7440-50-8	Copper, Cu	30.8	mg/kg	0.5
LB2	8.5	LB2-8.5'	5/6/2016	7440-50-8	Copper, Cu	30.7	mg/kg	0.5
B11	4.5	B11-4.5'	5/5/2016	7440-50-8	Copper, Cu	30.5	mg/kg	0.5
A2	4.5	A2-4.5'	5/4/2016	7440-50-8	Copper, Cu	30.4	mg/kg	0.5
LB7	5	LB7-5'	5/5/2016	7440-50-8	Copper, Cu	30.2	mg/kg	0.5

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
B13	1	B13-1'	5/6/2016	7440-50-8	Copper, Cu	29.8	mg/kg	0.5
B11	1	B11-1'	5/5/2016	7440-50-8	Copper, Cu	29.4	mg/kg	0.5
LB8	1	LB8-1'	5/5/2016	7440-50-8	Copper, Cu	29.4	mg/kg	0.5
B14	11	B14-11'	5/6/2016	7440-50-8	Copper, Cu	28.8	mg/kg	0.5
LB1	8.5	LB1-8.5'	5/6/2016	7440-50-8	Copper, Cu	28.5	mg/kg	0.5
B5	8.5	B5-8.5'	5/4/2016	7440-50-8	Copper, Cu	28	mg/kg	0.5
B1	1	B1-1'	5/4/2016	7440-50-8	Copper, Cu	27	mg/kg	0.5
LB1	4.5	LB1-4.5'	5/6/2016	7440-50-8	Copper, Cu	26.9	mg/kg	0.5
LB7	11	LB7-11'	5/5/2016	7440-50-8	Copper, Cu	26.8	mg/kg	0.5
B14	1	B14-1'	5/6/2016	7440-50-8	Copper, Cu	26.5	mg/kg	0.5
LB1	1	LB1-1'	5/6/2016	7440-50-8	Copper, Cu	26.1	mg/kg	0.5
LB7	1	LB7-1'	5/5/2016	7440-50-8	Copper, Cu	25.8	mg/kg	0.5
B9	8.5	B9-8.5'	5/5/2016	7440-50-8	Copper, Cu	25.8	mg/kg	0.5
B10	1	B10-1'	5/5/2016	7440-50-8	Copper, Cu	25.6	mg/kg	0.5
B8	8.5	B8-8.5'	5/5/2016	7440-50-8	Copper, Cu	25.2	mg/kg	0.5
A8	1	A8-1'	5/5/2016	7440-50-8	Copper, Cu	25.1	mg/kg	0.5
B6	1	B6-1'	5/4/2016	7440-50-8	Copper, Cu	24.6	mg/kg	0.5
B1	8.5	B1-8.5'	5/4/2016	7440-50-8	Copper, Cu	24.6	mg/kg	0.5
A8	8.5	A8-8.5'	5/5/2016	7440-50-8	Copper, Cu	24.3	mg/kg	0.5
B15	4	B15-4'	5/6/2016	7440-50-8	Copper, Cu	23.8	mg/kg	0.5
B8	8.5D	B8-8.5D	5/5/2016	7440-50-8	Copper, Cu	23.7	mg/kg	0.5
B2	1	B2-1'	5/5/2016	7440-50-8	Copper, Cu	23.5	mg/kg	0.5
A11	8.5D	A11-8.5'-D	5/5/2016	7440-50-8	Copper, Cu	23.2	mg/kg	0.5
B1	4.5	B1-4.5'	5/4/2016	7440-50-8	Copper, Cu	22.9	mg/kg	0.5
A11	4.5	A11-4.5'	5/5/2016	7440-50-8	Copper, Cu	22.8	mg/kg	0.5
A10	1	A10-1'	5/5/2016	7440-50-8	Copper, Cu	22.6	mg/kg	0.5
A9	1	A9-1'	5/5/2016	7440-50-8	Copper, Cu	22.4	mg/kg	0.5
LB4	8.5	LB4-8.5'	5/5/2016	7440-50-8	Copper, Cu	22.2	mg/kg	0.5
A5B	8.5	A5B-8.5'	5/4/2016	7440-50-8	Copper, Cu	21.8	mg/kg	0.5
LB4	4.5	LB4-4.5'	5/5/2016	7440-50-8	Copper, Cu	21.7	mg/kg	0.5
A9	8.5	A9-8.5'	5/5/2016	7440-50-8	Copper, Cu	21.2	mg/kg	0.5
B4	4.5D	B4-4.5D	5/4/2016	7440-50-8	Copper, Cu	20.6	mg/kg	0.5
A4	4.5	A4-4.5'	5/4/2016	7440-50-8	Copper, Cu	20.3	mg/kg	0.5
B3	8.5	B3-8.5'	5/4/2016	7440-50-8	Copper, Cu	19.7	mg/kg	0.5
B7	8.5	B7-8.5'	5/5/2016	7440-50-8	Copper, Cu	19.7	mg/kg	0.5
A5	4.5	A5-4.5'	5/4/2016	7440-50-8	Copper, Cu	19.5	mg/kg	0.5
A5B	4.5	A5B-4.5'	5/4/2016	7440-50-8	Copper, Cu	18.5	mg/kg	0.5
B9	1	B9-1'	5/5/2016	7440-50-8	Copper, Cu	18	mg/kg	0.5
B6	4.5	B6-4.5'	5/4/2016	7440-50-8	Copper, Cu	17.9	mg/kg	0.5
LB2	4.5	LB2-4.5'	5/6/2016	7440-50-8	Copper, Cu	17.9	mg/kg	0.5
B5	4.5	B5-4.5'	5/4/2016	7440-50-8	Copper, Cu	17.2	mg/kg	0.5
B2	8.5	B2-8.5'	5/5/2016	7440-50-8	Copper, Cu	16.5	mg/kg	0.5
A2	8.5	A2-8.5'	5/4/2016	7440-50-8	Copper, Cu	16.4	mg/kg	0.5
A4	8.5	A4-8.5'	5/4/2016	7440-50-8	Copper, Cu	16.1	mg/kg	0.5
B15	5	B15-5'	5/6/2016	7440-50-8	Copper, Cu	15.5	mg/kg	0.5
B4	8.5	B4-8.5'	5/4/2016	7440-50-8	Copper, Cu	15.1	mg/kg	0.5
B8	1	B8-1'	5/5/2016	7440-50-8	Copper, Cu	12.3	mg/kg	0.5
A6	1	A6-1'	5/5/2016	7440-50-8	Copper, Cu	11.9	mg/kg	0.5
B5	1	B5-1'	5/4/2016	7440-50-8	Copper, Cu	10.7	mg/kg	0.5
LB5	1D	LB5-1D	5/5/2016	7440-50-8	Copper, Cu	10.5	mg/kg	0.5
B14	5	B14-5'	5/6/2016	7440-50-8	Copper, Cu	10.3	mg/kg	0.5
LB2	1	LB2-1'	5/6/2016	7440-50-8	Copper, Cu	9.3	mg/kg	0.5

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
A3	8.5D	A3-8.5D	5/4/2016	7440-50-8	Copper, Cu	7.5	mg/kg	0.5
LB3	8.5	LB3-8.5'	5/6/2016	7440-50-8	Copper, Cu	6.8	mg/kg	0.5
A1	1	A1-1'	5/4/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
A2	1	A2-1'	5/4/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
A3	1	A3-1'	5/4/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
A4	1	A4-1'	5/4/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
A5B	1	A5B-1'	5/4/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
A6	1	A6-1'	5/5/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
A7	1	A7-1'	5/5/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
A8	1	A8-1'	5/5/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
A9	1	A9-1'	5/5/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
A10	1	A10-1'	5/5/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
A11	1	A11-1'	5/5/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
A12	1	A12-1'	5/5/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
A13	1	A13-1'	5/5/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
B1	1	B1-1'	5/4/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
B2	1	B2-1'	5/5/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
B3	1	B3-1'	5/4/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
B4	1	B4-1'	5/4/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
B5	1	B5-1'	5/4/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
B6	1	B6-1'	5/4/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
B7	1	B7-1'	5/5/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
B8	1	B8-1'	5/5/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
B9	1	B9-1'	5/5/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
B10	1	B10-1'	5/7/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
B11	1	B11-1'	5/5/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
B12	1	B12-1'	5/5/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
B13	1	B13-1'	5/6/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
B14	1	B14-1'	5/6/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
B15	1	B15-1'	5/6/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
LB1	1	LB1-1'	5/6/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
LB2	1	LB2-1'	5/6/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
LB3	1	LB3-1'	5/6/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
LB4	1	LB4-1'	5/5/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
LB5	1	LB5-1'	5/5/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
LB6	1	LB6-1'	5/5/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
LB7	1	LB7-1'	5/5/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
LB8	1	LB8-1'	5/5/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
A5	1.25	A5-1.25'	5/4/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
A7	3.5	A7-3.5'	5/5/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
B15	4	B15-4'	5/6/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
A1	4.5	A1-4.5'	5/4/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
A2	4.5	A2-4.5'	5/4/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
A3	4.5	A3-4.5'	5/4/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
A4	4.5	A4-4.5'	5/4/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
A5	4.5	A5-4.5'	5/4/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
A5B	4.5	A5B-4.5'	5/4/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
A6	4.5	A6-4.5'	5/5/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
A8	4.5	A8-4.5'	5/5/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
A9	4.5	A9-4.5'	5/5/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
A11	4.5	A11-4.5'	5/5/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
B1	4.5	B1-4.5'	5/4/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
B2	4.5	B2-4.5'	5/5/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
B3	4.5	B3-4.5'	5/4/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
B4	4.5	B4-4.5'	5/4/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
B5	4.5	B5-4.5'	5/4/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
B6	4.5	B6-4.5'	5/4/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
B7	4.5	B7-4.5'	5/5/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
B8	4.5	B8-4.5'	5/5/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
B9	4.5	B9-4.5'	5/5/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
B10	4.5	B10-4.5'	5/5/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
B11	4.5	B11-4.5'	5/5/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
LB	4.5	LB-4.5'	5/6/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
LB1	4.5	LB1-4.5'	5/6/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
LB3	4.5	LB3-4.5'	5/6/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
LB4	4.5	LB4-4.5'	5/5/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
LB5	4.5	LB5-4.5'	5/5/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
A12	5	A12-5'	5/5/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
A13	5	A13-5'	5/5/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
B12	5	B12-5'	5/5/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
B13	5	B13-5'	5/6/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
B14	5	B14-5'	5/8/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
B15	5	B15-5'	5/6/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
LB6	5	LB6-5'	5/5/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
LB7	5	LB7-5'	5/5/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
LB8	5	LB8-5'	5/5/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
A1	8.5	A1-8.5'	5/4/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
A2	8.5	A2-8.5'	5/4/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
A3	8.5	A3-8.5'	5/4/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
A4	8.5	A4-8.5'	5/4/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
A5B	8.5	A5B-8.5'	5/4/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
A6	8.5	A6-8.5'	5/5/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
A7	8.5	A7-8.5'	5/5/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
A8	8.5	A8-8.5'	5/5/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
A9	8.5	A9-8.5'	5/5/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
A11	8.5	A11-8.5'	5/5/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
B1	8.5	B1-8.5'	5/4/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
B2	8.5	B2-8.5'	5/5/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
B3	8.5	B3-8.5'	5/4/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
B4	8.5	B4-8.5'	5/4/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
B5	8.5	B5-8.5'	5/4/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
B6	8.5	B6-8.5'	5/4/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
B7	8.5	B7-8.5'	5/5/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
B8	8.5	B8-8.5'	5/5/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
B9	8.5	B9-8.5'	5/5/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
B10	8.5	B10-8.5'	5/5/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
B11	8.5	B11-8.5'	5/5/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
LB1	8.5	LB1-8.5'	5/6/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
LB2	8.5	LB2-8.5'	5/6/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
LB3	8.5	LB3-8.5'	5/6/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
LB4	8.5	LB4-8.5'	5/5/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
LB5	8.5	LB5-8.5'	5/5/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
A12	11	A12-11'	5/5/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
A13	11	A13-11'	5/5/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
B12	11	B12-11'	5/5/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
B13	11	B13-11'	5/6/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
B14	11	B14-11'	5/6/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
LB6	11	LB6-11'	5/5/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
LB7	11	LB7-11'	5/5/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
LB8	11	LB8-11'	5/5/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
LB3	1D	LB3-1'-D	5/6/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
LB5	1D	LB5-1D	5/5/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
B4	4.5D	B4-4.5D	5/4/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
B12	5D	B12-5'D	5/5/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
A3	8.5D	A3-8.5'-D	5/4/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
A11	8.5D	A11-8.5'-D	5/5/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
B8	8.5D	B8-8.5D	5/5/2016	124-48-1	Dibromochloromethane	ND	µg/kg	1
NP-4	10	NP-4-10	10/11/2017	74-95-3	Dibromomethane	ND	µg/kg	38
A1	1	A1-1'	5/4/2016	74-95-3	Dibromomethane	ND	µg/kg	1
A2	1	A2-1'	5/4/2016	74-95-3	Dibromomethane	ND	µg/kg	1
A3	1	A3-1'	5/4/2016	74-95-3	Dibromomethane	ND	µg/kg	1
A4	1	A4-1'	5/4/2016	74-95-3	Dibromomethane	ND	µg/kg	1
A5B	1	A5B-1'	5/4/2016	74-95-3	Dibromomethane	ND	µg/kg	1
A6	1	A6-1'	5/5/2016	74-95-3	Dibromomethane	ND	µg/kg	1
A7	1	A7-1'	5/5/2016	74-95-3	Dibromomethane	ND	µg/kg	1
A8	1	A8-1'	5/5/2016	74-95-3	Dibromomethane	ND	µg/kg	1
A9	1	A9-1'	5/5/2016	74-95-3	Dibromomethane	ND	µg/kg	1
A10	1	A10-1'	5/5/2016	74-95-3	Dibromomethane	ND	µg/kg	1
A11	1	A11-1'	5/5/2016	74-95-3	Dibromomethane	ND	µg/kg	1
A12	1	A12-1'	5/5/2016	74-95-3	Dibromomethane	ND	µg/kg	1
A13	1	A13-1'	5/5/2016	74-95-3	Dibromomethane	ND	µg/kg	1
B1	1	B1-1'	5/4/2016	74-95-3	Dibromomethane	ND	µg/kg	1
B2	1	B2-1'	5/5/2016	74-95-3	Dibromomethane	ND	µg/kg	1
B3	1	B3-1'	5/4/2016	74-95-3	Dibromomethane	ND	µg/kg	1
B4	1	B4-1'	5/4/2016	74-95-3	Dibromomethane	ND	µg/kg	1
B5	1	B5-1'	5/4/2016	74-95-3	Dibromomethane	ND	µg/kg	1
B6	1	B6-1'	5/4/2016	74-95-3	Dibromomethane	ND	µg/kg	1
B7	1	B7-1'	5/5/2016	74-95-3	Dibromomethane	ND	µg/kg	1
B8	1	B8-1'	5/5/2016	74-95-3	Dibromomethane	ND	µg/kg	1
B9	1	B9-1'	5/5/2016	74-95-3	Dibromomethane	ND	µg/kg	1
B10	1	B10-1'	5/7/2016	74-95-3	Dibromomethane	ND	µg/kg	1
B11	1	B11-1'	5/5/2016	74-95-3	Dibromomethane	ND	µg/kg	1
B12	1	B12-1'	5/5/2016	74-95-3	Dibromomethane	ND	µg/kg	1
B13	1	B13-1'	5/6/2016	74-95-3	Dibromomethane	ND	µg/kg	1
B14	1	B14-1'	5/6/2016	74-95-3	Dibromomethane	ND	µg/kg	1
B15	1	B15-1'	5/6/2016	74-95-3	Dibromomethane	ND	µg/kg	1
LB1	1	LB1-1'	5/6/2016	74-95-3	Dibromomethane	ND	µg/kg	1
LB2	1	LB2-1'	5/6/2016	74-95-3	Dibromomethane	ND	µg/kg	1
LB3	1	LB3-1'	5/6/2016	74-95-3	Dibromomethane	ND	µg/kg	1
LB4	1	LB4-1'	5/5/2016	74-95-3	Dibromomethane	ND	µg/kg	1
LB5	1	LB5-1'	5/5/2016	74-95-3	Dibromomethane	ND	µg/kg	1
LB6	1	LB6-1'	5/5/2016	74-95-3	Dibromomethane	ND	µg/kg	1
LB7	1	LB7-1'	5/5/2016	74-95-3	Dibromomethane	ND	µg/kg	1
LB8	1	LB8-1'	5/5/2016	74-95-3	Dibromomethane	ND	µg/kg	1
A5	1.25	A5-1.25'	5/4/2016	74-95-3	Dibromomethane	ND	µg/kg	1
A7	3.5	A7-3.5'	5/5/2016	74-95-3	Dibromomethane	ND	µg/kg	1

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
B15	4	B15-4'	5/6/2016	74-95-3	Dibromomethane	ND	µg/kg	1
A1	4.5	A1-4.5'	5/4/2016	74-95-3	Dibromomethane	ND	µg/kg	1
A2	4.5	A2-4.5'	5/4/2016	74-95-3	Dibromomethane	ND	µg/kg	1
A3	4.5	A3-4.5'	5/4/2016	74-95-3	Dibromomethane	ND	µg/kg	1
A4	4.5	A4-4.5'	5/4/2016	74-95-3	Dibromomethane	ND	µg/kg	1
A5	4.5	A5-4.5'	5/4/2016	74-95-3	Dibromomethane	ND	µg/kg	1
A5B	4.5	A5B-4.5'	5/4/2016	74-95-3	Dibromomethane	ND	µg/kg	1
A6	4.5	A6-4.5'	5/5/2016	74-95-3	Dibromomethane	ND	µg/kg	1
A8	4.5	A8-4.5'	5/5/2016	74-95-3	Dibromomethane	ND	µg/kg	1
A9	4.5	A9-4.5'	5/5/2016	74-95-3	Dibromomethane	ND	µg/kg	1
A11	4.5	A11-4.5'	5/5/2016	74-95-3	Dibromomethane	ND	µg/kg	1
B1	4.5	B1-4.5'	5/4/2016	74-95-3	Dibromomethane	ND	µg/kg	1
B2	4.5	B2-4.5'	5/5/2016	74-95-3	Dibromomethane	ND	µg/kg	1
B3	4.5	B3-4.5'	5/4/2016	74-95-3	Dibromomethane	ND	µg/kg	1
B4	4.5	B4-4.5'	5/4/2016	74-95-3	Dibromomethane	ND	µg/kg	1
B5	4.5	B5-4.5'	5/4/2016	74-95-3	Dibromomethane	ND	µg/kg	1
B6	4.5	B6-4.5'	5/4/2016	74-95-3	Dibromomethane	ND	µg/kg	1
B7	4.5	B7-4.5'	5/5/2016	74-95-3	Dibromomethane	ND	µg/kg	1
B8	4.5	B8-4.5'	5/5/2016	74-95-3	Dibromomethane	ND	µg/kg	1
B9	4.5	B9-4.5'	5/5/2016	74-95-3	Dibromomethane	ND	µg/kg	1
B10	4.5	B10-4.5'	5/5/2016	74-95-3	Dibromomethane	ND	µg/kg	1
B11	4.5	B11-4.5'	5/5/2016	74-95-3	Dibromomethane	ND	µg/kg	1
LB	4.5	LB-4.5'	5/6/2016	74-95-3	Dibromomethane	ND	µg/kg	1
LB1	4.5	LB1-4.5'	5/6/2016	74-95-3	Dibromomethane	ND	µg/kg	1
LB3	4.5	LB3-4.5'	5/6/2016	74-95-3	Dibromomethane	ND	µg/kg	1
LB4	4.5	LB4-4.5'	5/5/2016	74-95-3	Dibromomethane	ND	µg/kg	1
LB5	4.5	LB5-4.5'	5/5/2016	74-95-3	Dibromomethane	ND	µg/kg	1
A12	5	A12-5'	5/5/2016	74-95-3	Dibromomethane	ND	µg/kg	1
A13	5	A13-5'	5/5/2016	74-95-3	Dibromomethane	ND	µg/kg	1
B12	5	B12-5'	5/5/2016	74-95-3	Dibromomethane	ND	µg/kg	1
B13	5	B13-5'	5/6/2016	74-95-3	Dibromomethane	ND	µg/kg	1
B14	5	B14-5'	5/8/2016	74-95-3	Dibromomethane	ND	µg/kg	1
B15	5	B15-5'	5/6/2016	74-95-3	Dibromomethane	ND	µg/kg	1
LB6	5	LB6-5'	5/5/2016	74-95-3	Dibromomethane	ND	µg/kg	1
LB7	5	LB7-5'	5/5/2016	74-95-3	Dibromomethane	ND	µg/kg	1
LB8	5	LB8-5'	5/5/2016	74-95-3	Dibromomethane	ND	µg/kg	1
A1	8.5	A1-8.5'	5/4/2016	74-95-3	Dibromomethane	ND	µg/kg	1
A2	8.5	A2-8.5'	5/4/2016	74-95-3	Dibromomethane	ND	µg/kg	1
A3	8.5	A3-8.5'	5/4/2016	74-95-3	Dibromomethane	ND	µg/kg	1
A4	8.5	A4-8.5'	5/4/2016	74-95-3	Dibromomethane	ND	µg/kg	1
A5B	8.5	A5B-8.5'	5/4/2016	74-95-3	Dibromomethane	ND	µg/kg	1
A6	8.5	A6-8.5'	5/5/2016	74-95-3	Dibromomethane	ND	µg/kg	1
A7	8.5	A7-8.5'	5/5/2016	74-95-3	Dibromomethane	ND	µg/kg	1
A8	8.5	A8-8.5'	5/5/2016	74-95-3	Dibromomethane	ND	µg/kg	1
A9	8.5	A9-8.5'	5/5/2016	74-95-3	Dibromomethane	ND	µg/kg	1
A11	8.5	A11-8.5'	5/5/2016	74-95-3	Dibromomethane	ND	µg/kg	1
B1	8.5	B1-8.5'	5/4/2016	74-95-3	Dibromomethane	ND	µg/kg	1
B2	8.5	B2-8.5'	5/5/2016	74-95-3	Dibromomethane	ND	µg/kg	1
B3	8.5	B3-8.5'	5/4/2016	74-95-3	Dibromomethane	ND	µg/kg	1
B4	8.5	B4-8.5'	5/4/2016	74-95-3	Dibromomethane	ND	µg/kg	1
B5	8.5	B5-8.5'	5/4/2016	74-95-3	Dibromomethane	ND	µg/kg	1
B6	8.5	B6-8.5'	5/4/2016	74-95-3	Dibromomethane	ND	µg/kg	1

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
B7	8.5	B7-8.5'	5/5/2016	74-95-3	Dibromomethane	ND	µg/kg	1
B8	8.5	B8-8.5'	5/5/2016	74-95-3	Dibromomethane	ND	µg/kg	1
B9	8.5	B9-8.5'	5/5/2016	74-95-3	Dibromomethane	ND	µg/kg	1
B10	8.5	B10-8.5'	5/5/2016	74-95-3	Dibromomethane	ND	µg/kg	1
B11	8.5	B11-8.5'	5/5/2016	74-95-3	Dibromomethane	ND	µg/kg	1
LB1	8.5	LB1-8.5'	5/6/2016	74-95-3	Dibromomethane	ND	µg/kg	1
LB2	8.5	LB2-8.5'	5/6/2016	74-95-3	Dibromomethane	ND	µg/kg	1
LB3	8.5	LB3-8.5'	5/6/2016	74-95-3	Dibromomethane	ND	µg/kg	1
LB4	8.5	LB4-8.5'	5/5/2016	74-95-3	Dibromomethane	ND	µg/kg	1
LB5	8.5	LB5-8.5'	5/5/2016	74-95-3	Dibromomethane	ND	µg/kg	1
A12	11	A12-11'	5/5/2016	74-95-3	Dibromomethane	ND	µg/kg	1
A13	11	A13-11'	5/5/2016	74-95-3	Dibromomethane	ND	µg/kg	1
B12	11	B12-11'	5/5/2016	74-95-3	Dibromomethane	ND	µg/kg	1
B13	11	B13-11'	5/6/2016	74-95-3	Dibromomethane	ND	µg/kg	1
B14	11	B14-11'	5/6/2016	74-95-3	Dibromomethane	ND	µg/kg	1
LB6	11	LB6-11'	5/5/2016	74-95-3	Dibromomethane	ND	µg/kg	1
LB7	11	LB7-11'	5/5/2016	74-95-3	Dibromomethane	ND	µg/kg	1
LB8	11	LB8-11'	5/5/2016	74-95-3	Dibromomethane	ND	µg/kg	1
LB3	1D	LB3-1'-D	5/6/2016	74-95-3	Dibromomethane	ND	µg/kg	1
LB5	1D	LB5-1D	5/5/2016	74-95-3	Dibromomethane	ND	µg/kg	1
B4	4.5D	B4-4.5D	5/4/2016	74-95-3	Dibromomethane	ND	µg/kg	1
B12	5D	B12-5'D	5/5/2016	74-95-3	Dibromomethane	ND	µg/kg	1
A3	8.5D	A3-8.5'-D	5/4/2016	74-95-3	Dibromomethane	ND	µg/kg	1
A11	8.5D	A11-8.5'-D	5/5/2016	74-95-3	Dibromomethane	ND	µg/kg	1
B8	8.5D	B8-8.5D	5/5/2016	74-95-3	Dibromomethane	ND	µg/kg	1
NP-3	12	NP-3-12	10/10/2017	74-95-3	Dibromomethane	ND	µg/kg	0.77
NP-2	6	NP-2-6	10/9/2017	74-95-3	Dibromomethane	ND	µg/kg	0.75
NP-1	12	NP-1-12	10/9/2017	74-95-3	Dibromomethane	ND	µg/kg	0.57
NP-4	10	NP-4-10	10/11/2017	75-27-4	Dichlorobromomethane	ND	µg/kg	11
NP-2	6	NP-2-6	10/9/2017	75-27-4	Dichlorobromomethane	ND	µg/kg	0.23
NP-3	12	NP-3-12	10/10/2017	75-27-4	Dichlorobromomethane	ND	µg/kg	0.23
NP-1	12	NP-1-12	10/9/2017	75-27-4	Dichlorobromomethane	ND	µg/kg	0.17
A1	1	A1-1'	5/4/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
A2	1	A2-1'	5/4/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
A3	1	A3-1'	5/4/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
A4	1	A4-1'	5/4/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
A5B	1	A5B-1'	5/4/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
A6	1	A6-1'	5/5/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
A7	1	A7-1'	5/5/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
A8	1	A8-1'	5/5/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
A9	1	A9-1'	5/5/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
A10	1	A10-1'	5/5/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
A11	1	A11-1'	5/5/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
A12	1	A12-1'	5/5/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
A13	1	A13-1'	5/5/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
B1	1	B1-1'	5/4/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
B2	1	B2-1'	5/5/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
B3	1	B3-1'	5/4/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
B4	1	B4-1'	5/4/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
B5	1	B5-1'	5/4/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
B6	1	B6-1'	5/4/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
B7	1	B7-1'	5/5/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
B8	1	B8-1'	5/5/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
B9	1	B9-1'	5/5/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
B10	1	B10-1'	5/7/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
B11	1	B11-1'	5/5/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
B13	1	B13-1'	5/6/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
B14	1	B14-1'	5/6/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
B15	1	B15-1'	5/6/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
LB1	1	LB1-1'	5/6/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
LB2	1	LB2-1'	5/6/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
LB3	1	LB3-1'	5/6/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
LB4	1	LB4-1'	5/5/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
LB5	1	LB5-1'	5/5/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
LB6	1	LB6-1'	5/5/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
LB7	1	LB7-1'	5/5/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
LB8	1	LB8-1'	5/5/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
A5	1.25	A5-1.25'	5/4/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
A7	3.5	A7-3.5'	5/5/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
B15	4	B15-4'	5/6/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
A1	4.5	A1-4.5'	5/4/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
A2	4.5	A2-4.5'	5/4/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
A3	4.5	A3-4.5'	5/4/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
A4	4.5	A4-4.5'	5/4/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
A5	4.5	A5-4.5'	5/4/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
A5B	4.5	A5B-4.5'	5/4/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
A6	4.5	A6-4.5'	5/5/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
A9	4.5	A9-4.5'	5/5/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
A11	4.5	A11-4.5'	5/5/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
B1	4.5	B1-4.5'	5/4/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
B2	4.5	B2-4.5'	5/5/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
B3	4.5	B3-4.5'	5/4/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
B4	4.5	B4-4.5'	5/4/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
B5	4.5	B5-4.5'	5/4/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
B6	4.5	B6-4.5'	5/4/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
B7	4.5	B7-4.5'	5/5/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
B8	4.5	B8-4.5'	5/5/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
B9	4.5	B9-4.5'	5/5/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
B10	4.5	B10-4.5'	5/5/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
B11	4.5	B11-4.5'	5/5/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
LB	4.5	LB-4.5'	5/6/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
LB1	4.5	LB1-4.5'	5/6/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
LB3	4.5	LB3-4.5'	5/6/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
LB4	4.5	LB4-4.5'	5/5/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
LB5	4.5	LB5-4.5'	5/5/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
A12	5	A12-5'	5/5/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
A13	5	A13-5'	5/5/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
B12	5	B12-5'	5/5/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
B13	5	B13-5'	5/6/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
B14	5	B14-5'	5/8/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
B15	5	B15-5'	5/6/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
LB6	5	LB6-5'	5/5/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
LB7	5	LB7-5'	5/5/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
LB8	5	LB8-5'	5/5/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
A1	8.5	A1-8.5'	5/4/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
A2	8.5	A2-8.5'	5/4/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
A3	8.5	A3-8.5'	5/4/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
A4	8.5	A4-8.5'	5/4/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
A5B	8.5	A5B-8.5'	5/4/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
A6	8.5	A6-8.5'	5/5/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
A7	8.5	A7-8.5'	5/5/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
A8	8.5	A8-8.5'	5/5/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
A9	8.5	A9-8.5'	5/5/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
A11	8.5	A11-8.5'	5/5/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
B1	8.5	B1-8.5'	5/4/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
B2	8.5	B2-8.5'	5/5/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
B3	8.5	B3-8.5'	5/4/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
B4	8.5	B4-8.5'	5/4/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
B5	8.5	B5-8.5'	5/4/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
B6	8.5	B6-8.5'	5/4/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
B7	8.5	B7-8.5'	5/5/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
B8	8.5	B8-8.5'	5/5/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
B9	8.5	B9-8.5'	5/5/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
B10	8.5	B10-8.5'	5/5/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
B11	8.5	B11-8.5'	5/5/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
LB1	8.5	LB1-8.5'	5/6/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
LB2	8.5	LB2-8.5'	5/6/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
LB3	8.5	LB3-8.5'	5/6/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
LB4	8.5	LB4-8.5'	5/5/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
LB5	8.5	LB5-8.5'	5/5/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
A12	11	A12-11'	5/5/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
A13	11	A13-11'	5/5/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
B12	11	B12-11'	5/5/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
B13	11	B13-11'	5/6/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
B14	11	B14-11'	5/6/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
LB6	11	LB6-11'	5/5/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
LB7	11	LB7-11'	5/5/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
LB8	11	LB8-11'	5/5/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
LB3	1D	LB3-1'-D	5/6/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
LB5	1D	LB5-1D	5/5/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
B4	4.5D	B4-4.5D	5/4/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
B12	5D	B12-5'D	5/5/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
A3	8.5D	A3-8.5'-D	5/4/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
A11	8.5D	A11-8.5'-D	5/5/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	5
B12	1	B12-1'	5/5/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	1
A8	4.5	A8-4.5'	5/5/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	1
B8	8.5D	B8-8.5D	5/5/2016	75-71-8	Dichlorodifluoromethane	ND	µg/kg	1
A1	1	A1-1'	5/4/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
A2	1	A2-1'	5/4/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
A3	1	A3-1'	5/4/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
A4	1	A4-1'	5/4/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
A5B	1	A5B-1'	5/4/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
A6	1	A6-1'	5/5/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
A7	1	A7-1'	5/5/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
A8	1	A8-1'	5/5/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
A9	1	A9-1'	5/5/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
A10	1	A10-1'	5/5/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
A11	1	A11-1'	5/5/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
A12	1	A12-1'	5/5/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
A13	1	A13-1'	5/5/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
B1	1	B1-1'	5/4/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
B2	1	B2-1'	5/5/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
B3	1	B3-1'	5/4/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
B4	1	B4-1'	5/4/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
B5	1	B5-1'	5/4/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
B6	1	B6-1'	5/4/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
B7	1	B7-1'	5/5/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
B8	1	B8-1'	5/5/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
B9	1	B9-1'	5/5/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
B10	1	B10-1'	5/7/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
B11	1	B11-1'	5/5/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
B13	1	B13-1'	5/6/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
B14	1	B14-1'	5/6/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
B15	1	B15-1'	5/6/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
LB1	1	LB1-1'	5/6/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
LB2	1	LB2-1'	5/6/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
LB3	1	LB3-1'	5/6/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
LB4	1	LB4-1'	5/5/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
LB5	1	LB5-1'	5/5/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
LB6	1	LB6-1'	5/5/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
LB7	1	LB7-1'	5/5/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
LB8	1	LB8-1'	5/5/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
A5	1.25	A5-1.25'	5/4/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
A7	3.5	A7-3.5'	5/5/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
B15	4	B15-4'	5/6/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
A1	4.5	A1-4.5'	5/4/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
A2	4.5	A2-4.5'	5/4/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
A3	4.5	A3-4.5'	5/4/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
A4	4.5	A4-4.5'	5/4/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
A5	4.5	A5-4.5'	5/4/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
A5B	4.5	A5B-4.5'	5/4/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
A6	4.5	A6-4.5'	5/5/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
A9	4.5	A9-4.5'	5/5/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
A11	4.5	A11-4.5'	5/5/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
B1	4.5	B1-4.5'	5/4/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
B2	4.5	B2-4.5'	5/5/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
B3	4.5	B3-4.5'	5/4/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
B4	4.5	B4-4.5'	5/4/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
B5	4.5	B5-4.5'	5/4/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
B6	4.5	B6-4.5'	5/4/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
B7	4.5	B7-4.5'	5/5/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
B8	4.5	B8-4.5'	5/5/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
B9	4.5	B9-4.5'	5/5/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
B10	4.5	B10-4.5'	5/5/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
B11	4.5	B11-4.5'	5/5/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
LB	4.5	LB-4.5'	5/6/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
LB1	4.5	LB1-4.5'	5/6/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
LB3	4.5	LB3-4.5'	5/6/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
LB4	4.5	LB4-4.5'	5/5/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
LB5	4.5	LB5-4.5'	5/5/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
A12	5	A12-5'	5/5/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
A13	5	A13-5'	5/5/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
B12	5	B12-5'	5/5/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
B13	5	B13-5'	5/6/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
B14	5	B14-5'	5/8/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
B15	5	B15-5'	5/6/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
LB6	5	LB6-5'	5/5/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
LB7	5	LB7-5'	5/5/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
LB8	5	LB8-5'	5/5/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
A1	8.5	A1-8.5'	5/4/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
A2	8.5	A2-8.5'	5/4/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
A3	8.5	A3-8.5'	5/4/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
A4	8.5	A4-8.5'	5/4/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
A5B	8.5	A5B-8.5'	5/4/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
A6	8.5	A6-8.5'	5/5/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
A7	8.5	A7-8.5'	5/5/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
A8	8.5	A8-8.5'	5/5/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
A9	8.5	A9-8.5'	5/5/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
A11	8.5	A11-8.5'	5/5/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
B1	8.5	B1-8.5'	5/4/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
B2	8.5	B2-8.5'	5/5/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
B3	8.5	B3-8.5'	5/4/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
B4	8.5	B4-8.5'	5/4/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
B5	8.5	B5-8.5'	5/4/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
B6	8.5	B6-8.5'	5/4/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
B7	8.5	B7-8.5'	5/5/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
B8	8.5	B8-8.5'	5/5/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
B9	8.5	B9-8.5'	5/5/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
B10	8.5	B10-8.5'	5/5/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
B11	8.5	B11-8.5'	5/5/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
LB1	8.5	LB1-8.5'	5/6/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
LB2	8.5	LB2-8.5'	5/6/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
LB3	8.5	LB3-8.5'	5/6/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
LB4	8.5	LB4-8.5'	5/5/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
LB5	8.5	LB5-8.5'	5/5/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
A12	11	A12-11'	5/5/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
A13	11	A13-11'	5/5/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
B12	11	B12-11'	5/5/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
B13	11	B13-11'	5/6/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
B14	11	B14-11'	5/6/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
LB6	11	LB6-11'	5/5/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
LB7	11	LB7-11'	5/5/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
LB8	11	LB8-11'	5/5/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
LB3	1D	LB3-1'-D	5/6/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
LB5	1D	LB5-1D	5/5/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
B4	4.5D	B4-4.5D	5/4/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
B12	5D	B12-5'D	5/5/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
A3	8.5D	A3-8.5'-D	5/4/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
A11	8.5D	A11-8.5'-D	5/5/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	5
B12	1	B12-1'	5/5/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	1

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
A8	4.5	A8-4.5'	5/5/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	1
B8	8.5D	B8-8.5D	5/5/2016	108-20-3	Di-isopropylether (DIPE)	ND	µg/kg	1
A5B	1	A5B-1'	5/4/2016	N/A	DRO (C10-C28)	241	µg/kg	10
LB2	1	LB2-1'	5/6/2016	N/A	DRO (C10-C28)	66.6	µg/kg	10
LB3	1	LB3-1'	5/6/2016	N/A	DRO (C10-C28)	22.5	µg/kg	10
A7	3.5	A7-3.5'	5/5/2016	N/A	DRO (C10-C28)	21.8	µg/kg	10
A1	1	A1-1'	5/4/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
A2	1	A2-1'	5/4/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
A3	1	A3-1'	5/4/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
A4	1	A4-1'	5/4/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
A6	1	A6-1'	5/5/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
A7	1	A7-1'	5/5/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
A8	1	A8-1'	5/5/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
A9	1	A9-1'	5/5/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
A10	1	A10-1'	5/5/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
A11	1	A11-1'	5/5/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
A12	1	A12-1'	5/5/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
A13	1	A13-1'	5/5/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
B1	1	B1-1'	5/4/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
B2	1	B2-1'	5/5/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
B3	1	B3-1'	5/4/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
B4	1	B4-1'	5/4/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
B5	1	B5-1'	5/4/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
B6	1	B6-1'	5/4/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
B7	1	B7-1'	5/5/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
B8	1	B8-1'	5/5/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
B9	1	B9-1'	5/5/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
B10	1	B10-1'	5/5/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
B11	1	B11-1'	5/5/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
B12	1	B12-1'	5/5/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
B13	1	B13-1'	5/6/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
B14	1	B14-1'	5/6/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
B15	1	B15-1'	5/6/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
LB1	1	LB1-1'	5/6/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
LB4	1	LB4-1'	5/5/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
LB5	1	LB5-1'	5/5/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
LB6	1	LB6-1'	5/5/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
LB7	1	LB7-1'	5/5/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
LB8	1	LB8-1'	5/5/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
A5	1.25	A5-1.25'	5/4/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
B15	4	B15-4'	5/6/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
A1	4.5	A1-4.5'	5/4/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
A2	4.5	A2-4.5'	5/4/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
A3	4.5	A3-4.5'	5/4/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
A4	4.5	A4-4.5'	5/4/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
A5	4.5	A5-4.5'	5/4/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
A5B	4.5	A5B-4.5'	5/4/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
A6	4.5	A6-4.5'	5/5/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
A8	4.5	A8-4.5'	5/5/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
A9	4.5	A9-4.5'	5/5/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
A11	4.5	A11-4.5'	5/5/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
B1	4.5	B1-4.5'	5/4/2016	N/A	DRO (C10-C28)	ND	µg/kg	10

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
B2	4.5	B2-4.5'	5/5/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
B3	4.5	B3-4.5'	5/4/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
B4	4.5	B4-4.5'	5/4/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
B5	4.5	B5-4.5'	5/4/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
B6	4.5	B6-4.5'	5/4/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
B7	4.5	B7-4.5'	5/5/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
B8	4.5	B8-4.5'	5/5/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
B9	4.5	B9-4.5'	5/5/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
B10	4.5	B10-4.5'	5/5/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
B11	4.5	B11-4.5'	5/5/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
LB1	4.5	LB1-4.5'	5/6/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
LB2	4.5	LB2-4.5'	5/6/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
LB3	4.5	LB3-4.5'	5/6/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
LB4	4.5	LB4-4.5'	5/5/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
LB5	4.5	LB5-4.5'	5/5/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
A12	5	A12-5'	5/5/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
A13	5	A13-5'	5/5/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
B12	5	B12-5'	5/5/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
B13	5	B13-5'	5/6/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
B14	5	B14-5'	5/6/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
B15	5	B15-5'	5/6/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
LB6	5	LB6-5'	5/5/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
LB7	5	LB7-5'	5/5/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
LB8	5	LB8-5'	5/5/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
A1	8.5	A1-8.5'	5/4/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
A2	8.5	A2-8.5'	5/4/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
A3	8.5	A3-8.5'	5/4/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
A4	8.5	A4-8.5'	5/4/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
A5B	8.5	A5B-8.5'	5/4/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
A6	8.5	A6-8.5'	5/5/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
A7	8.5	A7-8.5'	5/5/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
A8	8.5	A8-8.5'	5/5/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
A9	8.5	A9-8.5'	5/5/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
A11	8.5	A11-8.5'	5/5/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
B1	8.5	B1-8.5'	5/4/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
B2	8.5	B2-8.5'	5/5/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
B3	8.5	B3-8.5'	5/4/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
B4	8.5	B4-8.5'	5/4/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
B5	8.5	B5-8.5'	5/4/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
B6	8.5	B6-8.5'	5/4/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
B7	8.5	B7-8.5'	5/5/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
B8	8.5	B8-8.5'	5/5/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
B9	8.5	B9-8.5'	5/5/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
B10	8.5	B10-8.5'	5/5/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
B11	8.5	B11-8.5'	5/5/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
LB1	8.5	LB1-8.5'	5/6/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
LB2	8.5	LB2-8.5'	5/6/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
LB3	8.5	LB3-8.5'	5/6/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
LB4	8.5	LB4-8.5'	5/5/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
LB5	8.5	LB5-8.5'	5/5/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
A12	11	A12-11'	5/5/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
A13	11	A13-11'	5/5/2016	N/A	DRO (C10-C28)	ND	µg/kg	10

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
B12	11	B12-11'	5/5/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
B13	11	B13-11'	5/6/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
B14	11	B14-11'	5/6/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
LB6	11	LB6-11'	5/5/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
LB7	11	LB7-11'	5/5/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
LB8	11	LB8-11'	5/5/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
LB3	1D	LB3-1'-D	5/6/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
LB5	1D	LB5-1D	5/5/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
B4	4.5D	B4-4.5D	5/4/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
B12	5D	B12-5'D	5/5/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
A3	8.5D	A3-8.5'-D	5/4/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
A11	8.5D	A11-8.5'-D	5/5/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
B8	8.5D	B8-8.5D	5/5/2016	N/A	DRO (C10-C28)	ND	µg/kg	10
NP-4	10	NP-4-10	10/11/2017	75-00-3	Ethyl Chloride	ND	µg/kg	73
NP-3	12	NP-3-12	10/10/2017	75-00-3	Ethyl Chloride	ND	µg/kg	1.5
NP-2	6	NP-2-6	10/9/2017	75-00-3	Ethyl Chloride	ND	µg/kg	1.4
NP-1	12	NP-1-12	10/9/2017	75-00-3	Ethyl Chloride	ND	µg/kg	1.1
NP-4	10	NP-4-10	10/11/2017	100-41-4	Ethylbenzene	ND	µg/kg	7.4
B15	5	B15-5'	5/6/2016	100-41-4	Ethylbenzene	3	µg/kg	1
A1	1	A1-1'	5/4/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
A2	1	A2-1'	5/4/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
A3	1	A3-1'	5/4/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
A4	1	A4-1'	5/4/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
A5B	1	A5B-1'	5/4/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
A6	1	A6-1'	5/5/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
A7	1	A7-1'	5/5/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
A8	1	A8-1'	5/5/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
A9	1	A9-1'	5/5/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
A10	1	A10-1'	5/5/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
A11	1	A11-1'	5/5/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
A12	1	A12-1'	5/5/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
A13	1	A13-1'	5/5/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
B1	1	B1-1'	5/4/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
B2	1	B2-1'	5/5/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
B3	1	B3-1'	5/4/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
B4	1	B4-1'	5/4/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
B5	1	B5-1'	5/4/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
B6	1	B6-1'	5/4/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
B7	1	B7-1'	5/5/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
B8	1	B8-1'	5/5/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
B9	1	B9-1'	5/5/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
B10	1	B10-1'	5/7/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
B11	1	B11-1'	5/5/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
B12	1	B12-1'	5/5/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
B13	1	B13-1'	5/6/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
B14	1	B14-1'	5/6/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
B15	1	B15-1'	5/6/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
LB1	1	LB1-1'	5/6/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
LB2	1	LB2-1'	5/6/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
LB3	1	LB3-1'	5/6/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
LB4	1	LB4-1'	5/5/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
LB5	1	LB5-1'	5/5/2016	100-41-4	Ethylbenzene	ND	µg/kg	1

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
LB6	1	LB6-1'	5/5/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
LB7	1	LB7-1'	5/5/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
LB8	1	LB8-1'	5/5/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
A5	1.25	A5-1.25'	5/4/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
A7	3.5	A7-3.5'	5/5/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
B15	4	B15-4'	5/6/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
A1	4.5	A1-4.5'	5/4/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
A2	4.5	A2-4.5'	5/4/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
A3	4.5	A3-4.5'	5/4/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
A4	4.5	A4-4.5'	5/4/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
A5	4.5	A5-4.5'	5/4/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
A5B	4.5	A5B-4.5'	5/4/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
A6	4.5	A6-4.5'	5/5/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
A8	4.5	A8-4.5'	5/5/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
A9	4.5	A9-4.5'	5/5/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
A11	4.5	A11-4.5'	5/5/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
B1	4.5	B1-4.5'	5/4/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
B2	4.5	B2-4.5'	5/5/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
B3	4.5	B3-4.5'	5/4/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
B4	4.5	B4-4.5'	5/4/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
B5	4.5	B5-4.5'	5/4/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
B6	4.5	B6-4.5'	5/4/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
B7	4.5	B7-4.5'	5/5/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
B8	4.5	B8-4.5'	5/5/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
B9	4.5	B9-4.5'	5/5/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
B10	4.5	B10-4.5'	5/5/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
B11	4.5	B11-4.5'	5/5/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
LB	4.5	LB-4.5'	5/6/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
LB1	4.5	LB1-4.5'	5/6/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
LB3	4.5	LB3-4.5'	5/6/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
LB4	4.5	LB4-4.5'	5/5/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
LB5	4.5	LB5-4.5'	5/5/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
A12	5	A12-5'	5/5/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
A13	5	A13-5'	5/5/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
B12	5	B12-5'	5/5/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
B13	5	B13-5'	5/6/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
B14	5	B14-5'	5/8/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
LB6	5	LB6-5'	5/5/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
LB7	5	LB7-5'	5/5/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
LB8	5	LB8-5'	5/5/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
A1	8.5	A1-8.5'	5/4/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
A2	8.5	A2-8.5'	5/4/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
A3	8.5	A3-8.5'	5/4/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
A4	8.5	A4-8.5'	5/4/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
A5B	8.5	A5B-8.5'	5/4/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
A6	8.5	A6-8.5'	5/5/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
A7	8.5	A7-8.5'	5/5/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
A8	8.5	A8-8.5'	5/5/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
A9	8.5	A9-8.5'	5/5/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
A11	8.5	A11-8.5'	5/5/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
B1	8.5	B1-8.5'	5/4/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
B2	8.5	B2-8.5'	5/5/2016	100-41-4	Ethylbenzene	ND	µg/kg	1

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
B3	8.5	B3-8.5'	5/4/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
B4	8.5	B4-8.5'	5/4/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
B5	8.5	B5-8.5'	5/4/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
B6	8.5	B6-8.5'	5/4/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
B7	8.5	B7-8.5'	5/5/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
B8	8.5	B8-8.5'	5/5/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
B9	8.5	B9-8.5'	5/5/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
B10	8.5	B10-8.5'	5/5/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
B11	8.5	B11-8.5'	5/5/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
LB1	8.5	LB1-8.5'	5/6/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
LB2	8.5	LB2-8.5'	5/6/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
LB3	8.5	LB3-8.5'	5/6/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
LB4	8.5	LB4-8.5'	5/5/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
LB5	8.5	LB5-8.5'	5/5/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
A12	11	A12-11'	5/5/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
A13	11	A13-11'	5/5/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
B12	11	B12-11'	5/5/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
B13	11	B13-11'	5/6/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
B14	11	B14-11'	5/6/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
LB6	11	LB6-11'	5/5/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
LB7	11	LB7-11'	5/5/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
LB8	11	LB8-11'	5/5/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
LB3	1D	LB3-1'-D	5/6/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
LB5	1D	LB5-1D	5/5/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
B4	4.5D	B4-4.5D	5/4/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
B12	5D	B12-5'D	5/5/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
A3	8.5D	A3-8.5'-D	5/4/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
A11	8.5D	A11-8.5'-D	5/5/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
B8	8.5D	B8-8.5D	5/5/2016	100-41-4	Ethylbenzene	ND	µg/kg	1
NP-2	6	NP-2-6	10/9/2017	100-41-4	Ethylbenzene	ND	µg/kg	0.15
NP-3	12	NP-3-12	10/10/2017	100-41-4	Ethylbenzene	ND	µg/kg	0.15
NP-1	12	NP-1-12	10/9/2017	100-41-4	Ethylbenzene	ND	µg/kg	0.11
A1	1	A1-1'	5/4/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
A2	1	A2-1'	5/4/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
A3	1	A3-1'	5/4/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
A4	1	A4-1'	5/4/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
A5B	1	A5B-1'	5/4/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
A6	1	A6-1'	5/5/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
A7	1	A7-1'	5/5/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
A8	1	A8-1'	5/5/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
A9	1	A9-1'	5/5/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
A10	1	A10-1'	5/5/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
A11	1	A11-1'	5/5/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
A12	1	A12-1'	5/5/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
A13	1	A13-1'	5/5/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
B1	1	B1-1'	5/4/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
B2	1	B2-1'	5/5/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
B3	1	B3-1'	5/4/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
B4	1	B4-1'	5/4/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
B5	1	B5-1'	5/4/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
B6	1	B6-1'	5/4/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
B7	1	B7-1'	5/5/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
B8	1	B8-1'	5/5/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
B9	1	B9-1'	5/5/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
B10	1	B10-1'	5/7/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
B11	1	B11-1'	5/5/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
B13	1	B13-1'	5/6/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
B14	1	B14-1'	5/6/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
B15	1	B15-1'	5/6/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
LB1	1	LB1-1'	5/6/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
LB2	1	LB2-1'	5/6/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
LB3	1	LB3-1'	5/6/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
LB4	1	LB4-1'	5/5/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
LB5	1	LB5-1'	5/5/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
LB6	1	LB6-1'	5/5/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
LB7	1	LB7-1'	5/5/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
LB8	1	LB8-1'	5/5/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
A5	1.25	A5-1.25'	5/4/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
A7	3.5	A7-3.5'	5/5/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
B15	4	B15-4'	5/6/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
A1	4.5	A1-4.5'	5/4/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
A2	4.5	A2-4.5'	5/4/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
A3	4.5	A3-4.5'	5/4/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
A4	4.5	A4-4.5'	5/4/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
A5	4.5	A5-4.5'	5/4/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
A5B	4.5	A5B-4.5'	5/4/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
A6	4.5	A6-4.5'	5/5/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
A9	4.5	A9-4.5'	5/5/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
A11	4.5	A11-4.5'	5/5/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
B1	4.5	B1-4.5'	5/4/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
B2	4.5	B2-4.5'	5/5/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
B3	4.5	B3-4.5'	5/4/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
B4	4.5	B4-4.5'	5/4/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
B5	4.5	B5-4.5'	5/4/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
B6	4.5	B6-4.5'	5/4/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
B7	4.5	B7-4.5'	5/5/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
B8	4.5	B8-4.5'	5/5/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
B9	4.5	B9-4.5'	5/5/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
B10	4.5	B10-4.5'	5/5/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
B11	4.5	B11-4.5'	5/5/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
LB	4.5	LB-4.5'	5/6/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
LB1	4.5	LB1-4.5'	5/6/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
LB3	4.5	LB3-4.5'	5/6/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
LB4	4.5	LB4-4.5'	5/5/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
LB5	4.5	LB5-4.5'	5/5/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
A12	5	A12-5'	5/5/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
A13	5	A13-5'	5/5/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
B12	5	B12-5'	5/5/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
B13	5	B13-5'	5/6/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
B14	5	B14-5'	5/8/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
B15	5	B15-5'	5/6/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
LB6	5	LB6-5'	5/5/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
LB7	5	LB7-5'	5/5/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
LB8	5	LB8-5'	5/5/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
A1	8.5	A1-8.5'	5/4/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
A2	8.5	A2-8.5'	5/4/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
A3	8.5	A3-8.5'	5/4/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
A4	8.5	A4-8.5'	5/4/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
A5B	8.5	A5B-8.5'	5/4/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
A6	8.5	A6-8.5'	5/5/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
A7	8.5	A7-8.5'	5/5/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
A8	8.5	A8-8.5'	5/5/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
A9	8.5	A9-8.5'	5/5/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
A11	8.5	A11-8.5'	5/5/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
B1	8.5	B1-8.5'	5/4/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
B2	8.5	B2-8.5'	5/5/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
B3	8.5	B3-8.5'	5/4/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
B4	8.5	B4-8.5'	5/4/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
B5	8.5	B5-8.5'	5/4/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
B6	8.5	B6-8.5'	5/4/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
B7	8.5	B7-8.5'	5/5/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
B8	8.5	B8-8.5'	5/5/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
B9	8.5	B9-8.5'	5/5/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
B10	8.5	B10-8.5'	5/5/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
B11	8.5	B11-8.5'	5/5/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
LB1	8.5	LB1-8.5'	5/6/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
LB2	8.5	LB2-8.5'	5/6/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
LB3	8.5	LB3-8.5'	5/6/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
LB4	8.5	LB4-8.5'	5/5/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
LB5	8.5	LB5-8.5'	5/5/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
A12	11	A12-11'	5/5/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
A13	11	A13-11'	5/5/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
B12	11	B12-11'	5/5/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
B13	11	B13-11'	5/6/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
B14	11	B14-11'	5/6/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
LB6	11	LB6-11'	5/5/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
LB7	11	LB7-11'	5/5/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
LB8	11	LB8-11'	5/5/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
LB3	1D	LB3-1'-D	5/6/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
LB5	1D	LB5-1D	5/5/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
B4	4.5D	B4-4.5D	5/4/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
B12	5D	B12-5'D	5/5/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
A3	8.5D	A3-8.5'-D	5/4/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
A11	8.5D	A11-8.5'-D	5/5/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	5
B12	1	B12-1'	5/5/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	1
A8	4.5	A8-4.5'	5/5/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	1
B8	8.5D	B8-8.5D	5/5/2016	637-92-3	Ethyl-tert-butylether (ETBE)	ND	µg/kg	1
NP-4	10	NP-4-10	10/11/2017	75-69-4	Freon 11	ND	µg/kg	18
NP-3	12	NP-3-12	10/10/2017	75-69-4	Freon 11	ND	µg/kg	0.38
NP-2	6	NP-2-6	10/9/2017	75-69-4	Freon 11	ND	µg/kg	0.36
NP-1	12	NP-1-12	10/9/2017	75-69-4	Freon 11	ND	µg/kg	0.27
NP-4	10	NP-4-10	10/11/2017	76-13-1	Freon 113	ND	µg/kg	17
A1	1	A1-1'	5/4/2016	76-13-1	Freon 113	ND	µg/kg	5
A2	1	A2-1'	5/4/2016	76-13-1	Freon 113	ND	µg/kg	5
A3	1	A3-1'	5/4/2016	76-13-1	Freon 113	ND	µg/kg	5
A4	1	A4-1'	5/4/2016	76-13-1	Freon 113	ND	µg/kg	5

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
A5B	1	A5B-1'	5/4/2016	76-13-1	Freon 113	ND	µg/kg	5
A6	1	A6-1'	5/5/2016	76-13-1	Freon 113	ND	µg/kg	5
A7	1	A7-1'	5/5/2016	76-13-1	Freon 113	ND	µg/kg	5
A8	1	A8-1'	5/5/2016	76-13-1	Freon 113	ND	µg/kg	5
A9	1	A9-1'	5/5/2016	76-13-1	Freon 113	ND	µg/kg	5
A10	1	A10-1'	5/5/2016	76-13-1	Freon 113	ND	µg/kg	5
A11	1	A11-1'	5/5/2016	76-13-1	Freon 113	ND	µg/kg	5
A12	1	A12-1'	5/5/2016	76-13-1	Freon 113	ND	µg/kg	5
A13	1	A13-1'	5/5/2016	76-13-1	Freon 113	ND	µg/kg	5
B1	1	B1-1'	5/4/2016	76-13-1	Freon 113	ND	µg/kg	5
B2	1	B2-1'	5/5/2016	76-13-1	Freon 113	ND	µg/kg	5
B3	1	B3-1'	5/4/2016	76-13-1	Freon 113	ND	µg/kg	5
B4	1	B4-1'	5/4/2016	76-13-1	Freon 113	ND	µg/kg	5
B5	1	B5-1'	5/4/2016	76-13-1	Freon 113	ND	µg/kg	5
B6	1	B6-1'	5/4/2016	76-13-1	Freon 113	ND	µg/kg	5
B7	1	B7-1'	5/5/2016	76-13-1	Freon 113	ND	µg/kg	5
B8	1	B8-1'	5/5/2016	76-13-1	Freon 113	ND	µg/kg	5
B9	1	B9-1'	5/5/2016	76-13-1	Freon 113	ND	µg/kg	5
B10	1	B10-1'	5/7/2016	76-13-1	Freon 113	ND	µg/kg	5
B11	1	B11-1'	5/5/2016	76-13-1	Freon 113	ND	µg/kg	5
B13	1	B13-1'	5/6/2016	76-13-1	Freon 113	ND	µg/kg	5
B14	1	B14-1'	5/6/2016	76-13-1	Freon 113	ND	µg/kg	5
B15	1	B15-1'	5/6/2016	76-13-1	Freon 113	ND	µg/kg	5
LB1	1	LB1-1'	5/6/2016	76-13-1	Freon 113	ND	µg/kg	5
LB2	1	LB2-1'	5/6/2016	76-13-1	Freon 113	ND	µg/kg	5
LB3	1	LB3-1'	5/6/2016	76-13-1	Freon 113	ND	µg/kg	5
LB4	1	LB4-1'	5/5/2016	76-13-1	Freon 113	ND	µg/kg	5
LB5	1	LB5-1'	5/5/2016	76-13-1	Freon 113	ND	µg/kg	5
LB6	1	LB6-1'	5/5/2016	76-13-1	Freon 113	ND	µg/kg	5
LB7	1	LB7-1'	5/5/2016	76-13-1	Freon 113	ND	µg/kg	5
LB8	1	LB8-1'	5/5/2016	76-13-1	Freon 113	ND	µg/kg	5
A5	1.25	A5-1.25'	5/4/2016	76-13-1	Freon 113	ND	µg/kg	5
A7	3.5	A7-3.5'	5/5/2016	76-13-1	Freon 113	ND	µg/kg	5
B15	4	B15-4'	5/6/2016	76-13-1	Freon 113	ND	µg/kg	5
A1	4.5	A1-4.5'	5/4/2016	76-13-1	Freon 113	ND	µg/kg	5
A2	4.5	A2-4.5'	5/4/2016	76-13-1	Freon 113	ND	µg/kg	5
A3	4.5	A3-4.5'	5/4/2016	76-13-1	Freon 113	ND	µg/kg	5
A4	4.5	A4-4.5'	5/4/2016	76-13-1	Freon 113	ND	µg/kg	5
A5	4.5	A5-4.5'	5/4/2016	76-13-1	Freon 113	ND	µg/kg	5
A5B	4.5	A5B-4.5'	5/4/2016	76-13-1	Freon 113	ND	µg/kg	5
A6	4.5	A6-4.5'	5/5/2016	76-13-1	Freon 113	ND	µg/kg	5
A9	4.5	A9-4.5'	5/5/2016	76-13-1	Freon 113	ND	µg/kg	5
A11	4.5	A11-4.5'	5/5/2016	76-13-1	Freon 113	ND	µg/kg	5
B1	4.5	B1-4.5'	5/4/2016	76-13-1	Freon 113	ND	µg/kg	5
B2	4.5	B2-4.5'	5/5/2016	76-13-1	Freon 113	ND	µg/kg	5
B3	4.5	B3-4.5'	5/4/2016	76-13-1	Freon 113	ND	µg/kg	5
B4	4.5	B4-4.5'	5/4/2016	76-13-1	Freon 113	ND	µg/kg	5
B5	4.5	B5-4.5'	5/4/2016	76-13-1	Freon 113	ND	µg/kg	5
B6	4.5	B6-4.5'	5/4/2016	76-13-1	Freon 113	ND	µg/kg	5
B7	4.5	B7-4.5'	5/5/2016	76-13-1	Freon 113	ND	µg/kg	5
B8	4.5	B8-4.5'	5/5/2016	76-13-1	Freon 113	ND	µg/kg	5
B9	4.5	B9-4.5'	5/5/2016	76-13-1	Freon 113	ND	µg/kg	5

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
B10	4.5	B10-4.5'	5/5/2016	76-13-1	Freon 113	ND	µg/kg	5
B11	4.5	B11-4.5'	5/5/2016	76-13-1	Freon 113	ND	µg/kg	5
LB	4.5	LB-4.5'	5/6/2016	76-13-1	Freon 113	ND	µg/kg	5
LB1	4.5	LB1-4.5'	5/6/2016	76-13-1	Freon 113	ND	µg/kg	5
LB3	4.5	LB3-4.5'	5/6/2016	76-13-1	Freon 113	ND	µg/kg	5
LB4	4.5	LB4-4.5'	5/5/2016	76-13-1	Freon 113	ND	µg/kg	5
LB5	4.5	LB5-4.5'	5/5/2016	76-13-1	Freon 113	ND	µg/kg	5
A12	5	A12-5'	5/5/2016	76-13-1	Freon 113	ND	µg/kg	5
A13	5	A13-5'	5/5/2016	76-13-1	Freon 113	ND	µg/kg	5
B12	5	B12-5'	5/5/2016	76-13-1	Freon 113	ND	µg/kg	5
B13	5	B13-5'	5/6/2016	76-13-1	Freon 113	ND	µg/kg	5
B14	5	B14-5'	5/8/2016	76-13-1	Freon 113	ND	µg/kg	5
B15	5	B15-5'	5/6/2016	76-13-1	Freon 113	ND	µg/kg	5
LB6	5	LB6-5'	5/5/2016	76-13-1	Freon 113	ND	µg/kg	5
LB7	5	LB7-5'	5/5/2016	76-13-1	Freon 113	ND	µg/kg	5
LB8	5	LB8-5'	5/5/2016	76-13-1	Freon 113	ND	µg/kg	5
A1	8.5	A1-8.5'	5/4/2016	76-13-1	Freon 113	ND	µg/kg	5
A2	8.5	A2-8.5'	5/4/2016	76-13-1	Freon 113	ND	µg/kg	5
A3	8.5	A3-8.5'	5/4/2016	76-13-1	Freon 113	ND	µg/kg	5
A4	8.5	A4-8.5'	5/4/2016	76-13-1	Freon 113	ND	µg/kg	5
A5B	8.5	A5B-8.5'	5/4/2016	76-13-1	Freon 113	ND	µg/kg	5
A6	8.5	A6-8.5'	5/5/2016	76-13-1	Freon 113	ND	µg/kg	5
A7	8.5	A7-8.5'	5/5/2016	76-13-1	Freon 113	ND	µg/kg	5
A8	8.5	A8-8.5'	5/5/2016	76-13-1	Freon 113	ND	µg/kg	5
A9	8.5	A9-8.5'	5/5/2016	76-13-1	Freon 113	ND	µg/kg	5
A11	8.5	A11-8.5'	5/5/2016	76-13-1	Freon 113	ND	µg/kg	5
B1	8.5	B1-8.5'	5/4/2016	76-13-1	Freon 113	ND	µg/kg	5
B2	8.5	B2-8.5'	5/5/2016	76-13-1	Freon 113	ND	µg/kg	5
B3	8.5	B3-8.5'	5/4/2016	76-13-1	Freon 113	ND	µg/kg	5
B4	8.5	B4-8.5'	5/4/2016	76-13-1	Freon 113	ND	µg/kg	5
B5	8.5	B5-8.5'	5/4/2016	76-13-1	Freon 113	ND	µg/kg	5
B6	8.5	B6-8.5'	5/4/2016	76-13-1	Freon 113	ND	µg/kg	5
B7	8.5	B7-8.5'	5/5/2016	76-13-1	Freon 113	ND	µg/kg	5
B8	8.5	B8-8.5'	5/5/2016	76-13-1	Freon 113	ND	µg/kg	5
B9	8.5	B9-8.5'	5/5/2016	76-13-1	Freon 113	ND	µg/kg	5
B10	8.5	B10-8.5'	5/5/2016	76-13-1	Freon 113	ND	µg/kg	5
B11	8.5	B11-8.5'	5/5/2016	76-13-1	Freon 113	ND	µg/kg	5
LB1	8.5	LB1-8.5'	5/6/2016	76-13-1	Freon 113	ND	µg/kg	5
LB2	8.5	LB2-8.5'	5/6/2016	76-13-1	Freon 113	ND	µg/kg	5
LB3	8.5	LB3-8.5'	5/6/2016	76-13-1	Freon 113	ND	µg/kg	5
LB4	8.5	LB4-8.5'	5/5/2016	76-13-1	Freon 113	ND	µg/kg	5
LB5	8.5	LB5-8.5'	5/5/2016	76-13-1	Freon 113	ND	µg/kg	5
A12	11	A12-11'	5/5/2016	76-13-1	Freon 113	ND	µg/kg	5
A13	11	A13-11'	5/5/2016	76-13-1	Freon 113	ND	µg/kg	5
B12	11	B12-11'	5/5/2016	76-13-1	Freon 113	ND	µg/kg	5
B13	11	B13-11'	5/6/2016	76-13-1	Freon 113	ND	µg/kg	5
B14	11	B14-11'	5/6/2016	76-13-1	Freon 113	ND	µg/kg	5
LB6	11	LB6-11'	5/5/2016	76-13-1	Freon 113	ND	µg/kg	5
LB7	11	LB7-11'	5/5/2016	76-13-1	Freon 113	ND	µg/kg	5
LB8	11	LB8-11'	5/5/2016	76-13-1	Freon 113	ND	µg/kg	5
LB3	1D	LB3-1'-D	5/6/2016	76-13-1	Freon 113	ND	µg/kg	5
LB5	1D	LB5-1D	5/5/2016	76-13-1	Freon 113	ND	µg/kg	5

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
B4	4.5D	B4-4.5D	5/4/2016	76-13-1	Freon 113	ND	µg/kg	5
B12	5D	B12-5'D	5/5/2016	76-13-1	Freon 113	ND	µg/kg	5
A3	8.5D	A3-8.5'-D	5/4/2016	76-13-1	Freon 113	ND	µg/kg	5
A11	8.5D	A11-8.5'-D	5/5/2016	76-13-1	Freon 113	ND	µg/kg	5
B12	1	B12-1'	5/5/2016	76-13-1	Freon 113	ND	µg/kg	1
A8	4.5	A8-4.5'	5/5/2016	76-13-1	Freon 113	ND	µg/kg	1
B8	8.5D	B8-8.5D	5/5/2016	76-13-1	Freon 113	ND	µg/kg	1
NP-3	12	NP-3-12	10/10/2017	76-13-1	Freon 113	ND	µg/kg	0.35
NP-2	6	NP-2-6	10/9/2017	76-13-1	Freon 113	ND	µg/kg	0.34
NP-1	12	NP-1-12	10/9/2017	76-13-1	Freon 113	ND	µg/kg	0.26
NP-4	10	NP-4-10	10/11/2017	75-71-8	Freon 12	ND	µg/kg	22
NP-3	12	NP-3-12	10/10/2017	75-71-8	Freon 12	ND	µg/kg	0.44
NP-2	6	NP-2-6	10/9/2017	75-71-8	Freon 12	ND	µg/kg	0.43
NP-1	12	NP-1-12	10/9/2017	75-71-8	Freon 12	ND	µg/kg	0.32
A1	1	A1-1'	5/4/2016	N/A	Gasoline Range Organics	ND	µg/kg	0.2
A2	1	A2-1'	5/4/2016	N/A	Gasoline Range Organics	ND	µg/kg	0.2
A3	1	A3-1'	5/4/2016	N/A	Gasoline Range Organics	ND	µg/kg	0.2
A4	1	A4-1'	5/4/2016	N/A	Gasoline Range Organics	ND	µg/kg	0.2
B1	1	B1-1'	5/4/2016	N/A	Gasoline Range Organics	ND	µg/kg	0.2
B3	1	B3-1'	5/4/2016	N/A	Gasoline Range Organics	ND	µg/kg	0.2
B4	1	B4-1'	5/4/2016	N/A	Gasoline Range Organics	ND	µg/kg	0.2
B5	1	B5-1'	5/4/2016	N/A	Gasoline Range Organics	ND	µg/kg	0.2
A1	4.5	A1-4.5'	5/4/2016	N/A	Gasoline Range Organics	ND	µg/kg	0.2
A2	4.5	A2-4.5'	5/4/2016	N/A	Gasoline Range Organics	ND	µg/kg	0.2
A3	4.5	A3-4.5'	5/4/2016	N/A	Gasoline Range Organics	ND	µg/kg	0.2
A4	4.5	A4-4.5'	5/4/2016	N/A	Gasoline Range Organics	ND	µg/kg	0.2
B1	4.5	B1-4.5'	5/4/2016	N/A	Gasoline Range Organics	ND	µg/kg	0.2
B3	4.5	B3-4.5'	5/4/2016	N/A	Gasoline Range Organics	ND	µg/kg	0.2
B4	4.5	B4-4.5'	5/4/2016	N/A	Gasoline Range Organics	ND	µg/kg	0.2
B5	4.5	B5-4.5'	5/4/2016	N/A	Gasoline Range Organics	ND	µg/kg	0.2
A1	8.5	A1-8.5'	5/4/2016	N/A	Gasoline Range Organics	ND	µg/kg	0.2
A2	8.5	A2-8.5'	5/4/2016	N/A	Gasoline Range Organics	ND	µg/kg	0.2
A3	8.5	A3-8.5'	5/4/2016	N/A	Gasoline Range Organics	ND	µg/kg	0.2
A4	8.5	A4-8.5'	5/4/2016	N/A	Gasoline Range Organics	ND	µg/kg	0.2
B1	8.5	B1-8.5'	5/4/2016	N/A	Gasoline Range Organics	ND	µg/kg	0.2
B3	8.5	B3-8.5'	5/4/2016	N/A	Gasoline Range Organics	ND	µg/kg	0.2
B4	8.5	B4-8.5'	5/4/2016	N/A	Gasoline Range Organics	ND	µg/kg	0.2
B5	8.5	B5-8.5'	5/4/2016	N/A	Gasoline Range Organics	ND	µg/kg	0.2
B4	4.5D	B4-4.5D	5/4/2016	N/A	Gasoline Range Organics	ND	µg/kg	0.2
A3	8.5D	A3-8.5'-D	5/4/2016	N/A	Gasoline Range Organics	ND	µg/kg	0.2
A1	1	A1-1'	5/4/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
A2	1	A2-1'	5/4/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
A3	1	A3-1'	5/4/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
A4	1	A4-1'	5/4/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
A5B	1	A5B-1'	5/4/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
A6	1	A6-1'	5/5/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
A7	1	A7-1'	5/5/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
A8	1	A8-1'	5/5/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
A9	1	A9-1'	5/5/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
A10	1	A10-1'	5/5/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
A11	1	A11-1'	5/5/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
A12	1	A12-1'	5/5/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
A13	1	A13-1'	5/5/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
B1	1	B1-1'	5/4/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
B2	1	B2-1'	5/5/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
B3	1	B3-1'	5/4/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
B4	1	B4-1'	5/4/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
B5	1	B5-1'	5/4/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
B6	1	B6-1'	5/4/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
B7	1	B7-1'	5/5/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
B8	1	B8-1'	5/5/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
B9	1	B9-1'	5/5/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
B10	1	B10-1'	5/7/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
B11	1	B11-1'	5/5/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
B12	1	B12-1'	5/5/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
B13	1	B13-1'	5/6/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
B14	1	B14-1'	5/6/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
B15	1	B15-1'	5/6/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
LB1	1	LB1-1'	5/6/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
LB2	1	LB2-1'	5/6/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
LB3	1	LB3-1'	5/6/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
LB4	1	LB4-1'	5/5/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
LB5	1	LB5-1'	5/5/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
LB6	1	LB6-1'	5/5/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
LB7	1	LB7-1'	5/5/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
LB8	1	LB8-1'	5/5/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
A5	1.25	A5-1.25'	5/4/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
A7	3.5	A7-3.5'	5/5/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
B15	4	B15-4'	5/6/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
A1	4.5	A1-4.5'	5/4/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
A2	4.5	A2-4.5'	5/4/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
A3	4.5	A3-4.5'	5/4/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
A4	4.5	A4-4.5'	5/4/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
A5	4.5	A5-4.5'	5/4/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
A5B	4.5	A5B-4.5'	5/4/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
A6	4.5	A6-4.5'	5/5/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
A8	4.5	A8-4.5'	5/5/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
A9	4.5	A9-4.5'	5/5/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
A11	4.5	A11-4.5'	5/5/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
B1	4.5	B1-4.5'	5/4/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
B2	4.5	B2-4.5'	5/5/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
B3	4.5	B3-4.5'	5/4/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
B4	4.5	B4-4.5'	5/4/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
B5	4.5	B5-4.5'	5/4/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
B6	4.5	B6-4.5'	5/4/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
B7	4.5	B7-4.5'	5/5/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
B8	4.5	B8-4.5'	5/5/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
B9	4.5	B9-4.5'	5/5/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
B10	4.5	B10-4.5'	5/5/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
B11	4.5	B11-4.5'	5/5/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
LB	4.5	LB-4.5'	5/6/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
LB1	4.5	LB1-4.5'	5/6/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
LB3	4.5	LB3-4.5'	5/6/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
LB4	4.5	LB4-4.5'	5/5/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
LB5	4.5	LB5-4.5'	5/5/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
A12	5	A12-5'	5/5/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
A13	5	A13-5'	5/5/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
B12	5	B12-5'	5/5/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
B13	5	B13-5'	5/6/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
B14	5	B14-5'	5/8/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
B15	5	B15-5'	5/6/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
LB6	5	LB6-5'	5/5/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
LB7	5	LB7-5'	5/5/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
LB8	5	LB8-5'	5/5/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
A1	8.5	A1-8.5'	5/4/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
A2	8.5	A2-8.5'	5/4/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
A3	8.5	A3-8.5'	5/4/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
A4	8.5	A4-8.5'	5/4/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
A5B	8.5	A5B-8.5'	5/4/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
A6	8.5	A6-8.5'	5/5/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
A7	8.5	A7-8.5'	5/5/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
A8	8.5	A8-8.5'	5/5/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
A9	8.5	A9-8.5'	5/5/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
A11	8.5	A11-8.5'	5/5/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
B1	8.5	B1-8.5'	5/4/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
B2	8.5	B2-8.5'	5/5/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
B3	8.5	B3-8.5'	5/4/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
B4	8.5	B4-8.5'	5/4/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
B5	8.5	B5-8.5'	5/4/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
B6	8.5	B6-8.5'	5/4/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
B7	8.5	B7-8.5'	5/5/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
B8	8.5	B8-8.5'	5/5/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
B9	8.5	B9-8.5'	5/5/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
B10	8.5	B10-8.5'	5/5/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
B11	8.5	B11-8.5'	5/5/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
LB1	8.5	LB1-8.5'	5/6/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
LB2	8.5	LB2-8.5'	5/6/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
LB3	8.5	LB3-8.5'	5/6/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
LB4	8.5	LB4-8.5'	5/5/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
LB5	8.5	LB5-8.5'	5/5/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
A12	11	A12-11'	5/5/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
A13	11	A13-11'	5/5/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
B12	11	B12-11'	5/5/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
B13	11	B13-11'	5/6/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
B14	11	B14-11'	5/6/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
LB6	11	LB6-11'	5/5/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
LB7	11	LB7-11'	5/5/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
LB8	11	LB8-11'	5/5/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
LB3	1D	LB3-1'-D	5/6/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
LB5	1D	LB5-1D	5/5/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
B4	4.5D	B4-4.5D	5/4/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
B12	5D	B12-5'D	5/5/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
A3	8.5D	A3-8.5'-D	5/4/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
A11	8.5D	A11-8.5'-D	5/5/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
B8	8.5D	B8-8.5D	5/5/2016	87-68-3	Hexachlorobutadiene	ND	µg/kg	1
A1	1	A1-1'	5/4/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
A2	1	A2-1'	5/4/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
A3	1	A3-1'	5/4/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
A4	1	A4-1'	5/4/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
A5B	1	A5B-1'	5/4/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
A6	1	A6-1'	5/5/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
A7	1	A7-1'	5/5/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
A8	1	A8-1'	5/5/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
A9	1	A9-1'	5/5/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
A10	1	A10-1'	5/5/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
A11	1	A11-1'	5/5/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
A12	1	A12-1'	5/5/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
A13	1	A13-1'	5/5/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
B1	1	B1-1'	5/4/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
B2	1	B2-1'	5/5/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
B3	1	B3-1'	5/4/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
B4	1	B4-1'	5/4/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
B5	1	B5-1'	5/4/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
B6	1	B6-1'	5/4/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
B7	1	B7-1'	5/5/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
B8	1	B8-1'	5/5/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
B9	1	B9-1'	5/5/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
B10	1	B10-1'	5/7/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
B11	1	B11-1'	5/5/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
B12	1	B12-1'	5/5/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
B13	1	B13-1'	5/6/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
B14	1	B14-1'	5/6/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
B15	1	B15-1'	5/6/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
LB1	1	LB1-1'	5/6/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
LB2	1	LB2-1'	5/6/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
LB3	1	LB3-1'	5/6/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
LB4	1	LB4-1'	5/5/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
LB5	1	LB5-1'	5/5/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
LB6	1	LB6-1'	5/5/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
LB7	1	LB7-1'	5/5/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
LB8	1	LB8-1'	5/5/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
A5	1.25	A5-1.25'	5/4/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
A7	3.5	A7-3.5'	5/5/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
B15	4	B15-4'	5/6/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
A1	4.5	A1-4.5'	5/4/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
A2	4.5	A2-4.5'	5/4/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
A3	4.5	A3-4.5'	5/4/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
A4	4.5	A4-4.5'	5/4/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
A5	4.5	A5-4.5'	5/4/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
A5B	4.5	A5B-4.5'	5/4/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
A6	4.5	A6-4.5'	5/5/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
A8	4.5	A8-4.5'	5/5/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
A9	4.5	A9-4.5'	5/5/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
A11	4.5	A11-4.5'	5/5/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
B1	4.5	B1-4.5'	5/4/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
B2	4.5	B2-4.5'	5/5/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
B3	4.5	B3-4.5'	5/4/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
B4	4.5	B4-4.5'	5/4/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
B5	4.5	B5-4.5'	5/4/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
B6	4.5	B6-4.5'	5/4/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
B7	4.5	B7-4.5'	5/5/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
B8	4.5	B8-4.5'	5/5/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
B9	4.5	B9-4.5'	5/5/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
B10	4.5	B10-4.5'	5/5/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
B11	4.5	B11-4.5'	5/5/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
LB	4.5	LB-4.5'	5/6/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
LB1	4.5	LB1-4.5'	5/6/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
LB3	4.5	LB3-4.5'	5/6/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
LB4	4.5	LB4-4.5'	5/5/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
LB5	4.5	LB5-4.5'	5/5/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
A12	5	A12-5'	5/5/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
A13	5	A13-5'	5/5/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
B12	5	B12-5'	5/5/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
B13	5	B13-5'	5/6/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
B14	5	B14-5'	5/8/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
B15	5	B15-5'	5/6/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
LB6	5	LB6-5'	5/5/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
LB7	5	LB7-5'	5/5/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
LB8	5	LB8-5'	5/5/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
A1	8.5	A1-8.5'	5/4/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
A2	8.5	A2-8.5'	5/4/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
A3	8.5	A3-8.5'	5/4/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
A4	8.5	A4-8.5'	5/4/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
A5B	8.5	A5B-8.5'	5/4/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
A6	8.5	A6-8.5'	5/5/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
A7	8.5	A7-8.5'	5/5/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
A8	8.5	A8-8.5'	5/5/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
A9	8.5	A9-8.5'	5/5/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
A11	8.5	A11-8.5'	5/5/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
B1	8.5	B1-8.5'	5/4/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
B2	8.5	B2-8.5'	5/5/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
B3	8.5	B3-8.5'	5/4/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
B4	8.5	B4-8.5'	5/4/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
B5	8.5	B5-8.5'	5/4/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
B6	8.5	B6-8.5'	5/4/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
B7	8.5	B7-8.5'	5/5/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
B8	8.5	B8-8.5'	5/5/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
B9	8.5	B9-8.5'	5/5/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
B10	8.5	B10-8.5'	5/5/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
B11	8.5	B11-8.5'	5/5/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
LB1	8.5	LB1-8.5'	5/6/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
LB2	8.5	LB2-8.5'	5/6/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
LB3	8.5	LB3-8.5'	5/6/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
LB4	8.5	LB4-8.5'	5/5/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
LB5	8.5	LB5-8.5'	5/5/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
A12	11	A12-11'	5/5/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
A13	11	A13-11'	5/5/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
B12	11	B12-11'	5/5/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
B13	11	B13-11'	5/6/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
B14	11	B14-11'	5/6/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
LB6	11	LB6-11'	5/5/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
LB7	11	LB7-11'	5/5/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
LB8	11	LB8-11'	5/5/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
LB3	1D	LB3-1'-D	5/6/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
LB5	1D	LB5-1D	5/5/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
B4	4.5D	B4-4.5D	5/4/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
B12	5D	B12-5'D	5/5/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
A3	8.5D	A3-8.5'-D	5/4/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
A11	8.5D	A11-8.5'-D	5/5/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
B8	8.5D	B8-8.5D	5/5/2016	98-82-8	Isopropylbenzene	ND	µg/kg	1
SS-3	10	SS-3-10	6/28/2012	7439-92-1	Lead	1.89	mg/kg	0.5
SS-6	10	SS-6-10	6/28/2012	7439-92-1	Lead	1.7	mg/kg	0.5
SS-2	10	SS-2-10	6/28/2012	7439-92-1	Lead	1.67	mg/kg	0.5
A7	3.5	A7-3.5'	5/5/2016	7439-92-1	Lead, Pb	1110	mg/kg	5
B4	1	B4-1'	5/4/2016	7439-92-1	Lead, Pb	108	mg/kg	0.5
A7	8.5	A7-8.5'	5/5/2016	7439-92-1	Lead, Pb	99.5	mg/kg	0.5
A5B	1	A5B-1'	5/4/2016	7439-92-1	Lead, Pb	74.9	mg/kg	0.5
A6	4.5	A6-4.5'	5/5/2016	7439-92-1	Lead, Pb	74.5	mg/kg	0.5
A6	8.5	A6-8.5'	5/5/2016	7439-92-1	Lead, Pb	59.5	mg/kg	0.5
LB3	1	LB3-1'	5/6/2016	7439-92-1	Lead, Pb	40.3	mg/kg	0.5
B14	1	B14-1'	5/6/2016	7439-92-1	Lead, Pb	23.9	mg/kg	0.5
B3	1	B3-1'	5/4/2016	7439-92-1	Lead, Pb	19.1	mg/kg	0.5
A7	1	A7-1'	5/5/2016	7439-92-1	Lead, Pb	15.9	mg/kg	0.5
LB4	1	LB4-1'	5/5/2016	7439-92-1	Lead, Pb	11.9	mg/kg	0.5
B13	5	B13-5'	5/6/2016	7439-92-1	Lead, Pb	10.6	mg/kg	0.5
A11	1	A11-1'	5/5/2016	7439-92-1	Lead, Pb	9.6	mg/kg	0.5
B13	1	B13-1'	5/6/2016	7439-92-1	Lead, Pb	8.5	mg/kg	0.5
LB8	1	LB8-1'	5/5/2016	7439-92-1	Lead, Pb	8.2	mg/kg	0.5
A1	1	A1-1'	5/4/2016	7439-92-1	Lead, Pb	7.1	mg/kg	0.5
A12	1	A12-1'	5/5/2016	7439-92-1	Lead, Pb	6.8	mg/kg	0.5
B1	1	B1-1'	5/4/2016	7439-92-1	Lead, Pb	6.8	mg/kg	0.5
B1	8.5	B1-8.5'	5/4/2016	7439-92-1	Lead, Pb	6.5	mg/kg	0.5
A10	1	A10-1'	5/5/2016	7439-92-1	Lead, Pb	6.2	mg/kg	0.5
B15	4	B15-4'	5/6/2016	7439-92-1	Lead, Pb	6.2	mg/kg	0.5
B12	1	B12-1'	5/5/2016	7439-92-1	Lead, Pb	5.8	mg/kg	0.5
LB1	1	LB1-1'	5/6/2016	7439-92-1	Lead, Pb	5.6	mg/kg	0.5
B1	4.5	B1-4.5'	5/4/2016	7439-92-1	Lead, Pb	5.5	mg/kg	0.5
LB3	1D	LB3-1'-D	5/6/2016	7439-92-1	Lead, Pb	5.4	mg/kg	0.5
B10	1	B10-1'	5/5/2016	7439-92-1	Lead, Pb	5.2	mg/kg	0.5
LB7	1	LB7-1'	5/5/2016	7439-92-1	Lead, Pb	5.2	mg/kg	0.5
B6	8.5	B6-8.5'	5/4/2016	7439-92-1	Lead, Pb	5.1	mg/kg	0.5
LB5	1	LB5-1'	5/5/2016	7439-92-1	Lead, Pb	4.9	mg/kg	0.5
B9	1	B9-1'	5/5/2016	7439-92-1	Lead, Pb	4.7	mg/kg	0.5
LB5	8.5	LB5-8.5'	5/5/2016	7439-92-1	Lead, Pb	4.6	mg/kg	0.5
LB6	1	LB6-1'	5/5/2016	7439-92-1	Lead, Pb	4.2	mg/kg	0.5
A8	4.5	A8-4.5'	5/5/2016	7439-92-1	Lead, Pb	4.2	mg/kg	0.5
LB3	4.5	LB3-4.5'	5/6/2016	7439-92-1	Lead, Pb	4.2	mg/kg	0.5
A12	5	A12-5'	5/5/2016	7439-92-1	Lead, Pb	4.2	mg/kg	0.5
LB8	5	LB8-5'	5/5/2016	7439-92-1	Lead, Pb	4.2	mg/kg	0.5
A1	8.5	A1-8.5'	5/4/2016	7439-92-1	Lead, Pb	4.2	mg/kg	0.5
A12	11	A12-11'	5/5/2016	7439-92-1	Lead, Pb	4.2	mg/kg	0.5
A8	1	A8-1'	5/5/2016	7439-92-1	Lead, Pb	4.1	mg/kg	0.5

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
B2	4.5	B2-4.5'	5/5/2016	7439-92-1	Lead, Pb	4.1	mg/kg	0.5
LB1	4.5	LB1-4.5'	5/6/2016	7439-92-1	Lead, Pb	4.1	mg/kg	0.5
A13	5	A13-5'	5/5/2016	7439-92-1	Lead, Pb	4.1	mg/kg	0.5
A9	1	A9-1'	5/5/2016	7439-92-1	Lead, Pb	4	mg/kg	0.5
A13	1	A13-1'	5/5/2016	7439-92-1	Lead, Pb	4	mg/kg	0.5
A1	4.5	A1-4.5'	5/4/2016	7439-92-1	Lead, Pb	3.9	mg/kg	0.5
B7	4.5	B7-4.5'	5/5/2016	7439-92-1	Lead, Pb	3.8	mg/kg	0.5
B15	5	B15-5'	5/6/2016	7439-92-1	Lead, Pb	3.6	mg/kg	0.5
A3	4.5	A3-4.5'	5/4/2016	7439-92-1	Lead, Pb	3.4	mg/kg	0.5
B10	8.5	B10-8.5'	5/5/2016	7439-92-1	Lead, Pb	3.4	mg/kg	0.5
B12	5D	B12-5'D	5/5/2016	7439-92-1	Lead, Pb	3.4	mg/kg	0.5
B11	1	B11-1'	5/5/2016	7439-92-1	Lead, Pb	3.3	mg/kg	0.5
A13	11	A13-11'	5/5/2016	7439-92-1	Lead, Pb	3.2	mg/kg	0.5
B13	11	B13-11'	5/6/2016	7439-92-1	Lead, Pb	3.2	mg/kg	0.5
LB6	11	LB6-11'	5/5/2016	7439-92-1	Lead, Pb	3.2	mg/kg	0.5
A2	4.5	A2-4.5'	5/4/2016	7439-92-1	Lead, Pb	3.1	mg/kg	0.5
B10	4.5	B10-4.5'	5/5/2016	7439-92-1	Lead, Pb	3.1	mg/kg	0.5
B12	5	B12-5'	5/5/2016	7439-92-1	Lead, Pb	3.1	mg/kg	0.5
LB7	5	LB7-5'	5/5/2016	7439-92-1	Lead, Pb	3.1	mg/kg	0.5
A11	8.5	A11-8.5'	5/5/2016	7439-92-1	Lead, Pb	3.1	mg/kg	0.5
B11	8.5	B11-8.5'	5/5/2016	7439-92-1	Lead, Pb	3.1	mg/kg	0.5
B2	1	B2-1'	5/5/2016	7439-92-1	Lead, Pb	3	mg/kg	0.5
A9	4.5	A9-4.5'	5/5/2016	7439-92-1	Lead, Pb	3	mg/kg	0.5
B9	4.5	B9-4.5'	5/5/2016	7439-92-1	Lead, Pb	3	mg/kg	0.5
A5	1.25	A5-1.25'	5/4/2016	7439-92-1	Lead, Pb	2.8	mg/kg	0.5
B8	4.5	B8-4.5'	5/5/2016	7439-92-1	Lead, Pb	2.8	mg/kg	0.5
B11	4.5	B11-4.5'	5/5/2016	7439-92-1	Lead, Pb	2.8	mg/kg	0.5
A3	8.5	A3-8.5'	5/4/2016	7439-92-1	Lead, Pb	2.8	mg/kg	0.5
B4	4.5	B4-4.5'	5/4/2016	7439-92-1	Lead, Pb	2.7	mg/kg	0.5
LB5	4.5	LB5-4.5'	5/5/2016	7439-92-1	Lead, Pb	2.7	mg/kg	0.5
LB6	5	LB6-5'	5/5/2016	7439-92-1	Lead, Pb	2.7	mg/kg	0.5
LB2	8.5	LB2-8.5'	5/6/2016	7439-92-1	Lead, Pb	2.7	mg/kg	0.5
B12	11	B12-11'	5/5/2016	7439-92-1	Lead, Pb	2.7	mg/kg	0.5
LB8	11	LB8-11'	5/5/2016	7439-92-1	Lead, Pb	2.7	mg/kg	0.5
B3	8.5	B3-8.5'	5/4/2016	7439-92-1	Lead, Pb	2.6	mg/kg	0.5
B8	1	B8-1'	5/5/2016	7439-92-1	Lead, Pb	2.5	mg/kg	0.5
B5	8.5	B5-8.5'	5/4/2016	7439-92-1	Lead, Pb	2.4	mg/kg	0.5
LB7	11	LB7-11'	5/5/2016	7439-92-1	Lead, Pb	2.4	mg/kg	0.5
B6	1	B6-1'	5/4/2016	7439-92-1	Lead, Pb	2.2	mg/kg	0.5
A11	4.5	A11-4.5'	5/5/2016	7439-92-1	Lead, Pb	2.2	mg/kg	0.5
B3	4.5	B3-4.5'	5/4/2016	7439-92-1	Lead, Pb	2.1	mg/kg	0.5
B9	8.5	B9-8.5'	5/5/2016	7439-92-1	Lead, Pb	2.1	mg/kg	0.5
B14	11	B14-11'	5/6/2016	7439-92-1	Lead, Pb	2.1	mg/kg	0.5
LB1	8.5	LB1-8.5'	5/6/2016	7439-92-1	Lead, Pb	2	mg/kg	0.5
B8	8.5D	B8-8.5D	5/5/2016	7439-92-1	Lead, Pb	1.9	mg/kg	0.5
B8	8.5	B8-8.5'	5/5/2016	7439-92-1	Lead, Pb	1.8	mg/kg	0.5
LB4	4.5	LB4-4.5'	5/5/2016	7439-92-1	Lead, Pb	1.6	mg/kg	0.5
A5B	8.5	A5B-8.5'	5/4/2016	7439-92-1	Lead, Pb	1.6	mg/kg	0.5
LB4	8.5	LB4-8.5'	5/5/2016	7439-92-1	Lead, Pb	1.6	mg/kg	0.5
A6	1	A6-1'	5/5/2016	7439-92-1	Lead, Pb	1.5	mg/kg	0.5
A5	4.5	A5-4.5'	5/4/2016	7439-92-1	Lead, Pb	1.5	mg/kg	0.5
A11	8.5D	A11-8.5'-D	5/5/2016	7439-92-1	Lead, Pb	1.5	mg/kg	0.5

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
A5B	4.5	A5B-4.5'	5/4/2016	7439-92-1	Lead, Pb	1.4	mg/kg	0.5
LB2	4.5	LB2-4.5'	5/6/2016	7439-92-1	Lead, Pb	1.4	mg/kg	0.5
A8	8.5	A8-8.5'	5/5/2016	7439-92-1	Lead, Pb	1.4	mg/kg	0.5
A9	8.5	A9-8.5'	5/5/2016	7439-92-1	Lead, Pb	1.3	mg/kg	0.5
LB5	1D	LB5-1D	5/5/2016	7439-92-1	Lead, Pb	1.3	mg/kg	0.5
B2	8.5	B2-8.5'	5/5/2016	7439-92-1	Lead, Pb	1.2	mg/kg	0.5
B5	4.5	B5-4.5'	5/4/2016	7439-92-1	Lead, Pb	1.1	mg/kg	0.5
B6	4.5	B6-4.5'	5/4/2016	7439-92-1	Lead, Pb	1	mg/kg	0.5
LB3	8.5	LB3-8.5'	5/6/2016	7439-92-1	Lead, Pb	0.9	mg/kg	0.5
LB2	1	LB2-1'	5/6/2016	7439-92-1	Lead, Pb	0.8	mg/kg	0.5
A4	4.5	A4-4.5'	5/4/2016	7439-92-1	Lead, Pb	0.8	mg/kg	0.5
A4	8.5	A4-8.5'	5/4/2016	7439-92-1	Lead, Pb	0.8	mg/kg	0.5
B4	4.5D	B4-4.5D	5/4/2016	7439-92-1	Lead, Pb	0.8	mg/kg	0.5
B4	8.5	B4-8.5'	5/4/2016	7439-92-1	Lead, Pb	0.7	mg/kg	0.5
B7	8.5	B7-8.5'	5/5/2016	7439-92-1	Lead, Pb	0.7	mg/kg	0.5
A2	8.5	A2-8.5'	5/4/2016	7439-92-1	Lead, Pb	0.6	mg/kg	0.5
B5	1	B5-1'	5/4/2016	7439-92-1	Lead, Pb	ND	mg/kg	0.5
B14	5	B14-5'	5/6/2016	7439-92-1	Lead, Pb	ND	mg/kg	0.5
A3	8.5D	A3-8.5D	5/4/2016	7439-92-1	Lead, Pb	ND	mg/kg	0.5
NP-4	10	NP-4-10	10/11/2017	179601-23-1	m&p-Xylenes	ND	µg/kg	13
NP-3	12	NP-3-12	10/10/2017	179601-23-1	m&p-Xylenes	ND	µg/kg	0.27
NP-2	6	NP-2-6	10/9/2017	179601-23-1	m&p-Xylenes	ND	µg/kg	0.26
NP-1	12	NP-1-12	10/9/2017	179601-23-1	m&p-Xylenes	ND	µg/kg	0.2
SS-2	10	SS-2-10	6/28/2012	7439-97-6	Mercury	ND	mg/kg	0.0835
SS-3	10	SS-3-10	6/28/2012	7439-97-6	Mercury	ND	mg/kg	0.0835
SS-6	10	SS-6-10	6/28/2012	7439-97-6	Mercury	ND	mg/kg	0.0835
LB8	5	LB8-5'	5/5/2016	7439-97-6	Mercury, Hg	0.062	mg/kg	0.02
A5B	4.5	A5B-4.5'	5/4/2016	7439-97-6	Mercury, Hg	0.059	mg/kg	0.02
LB5	4.5	LB5-4.5'	5/5/2016	7439-97-6	Mercury, Hg	0.052	mg/kg	0.02
B1	8.5	B1-8.5'	5/4/2016	7439-97-6	Mercury, Hg	0.05	mg/kg	0.02
B5	4.5	B5-4.5'	5/4/2016	7439-97-6	Mercury, Hg	0.047	mg/kg	0.02
LB3	8.5	LB3-8.5'	5/6/2016	7439-97-6	Mercury, Hg	0.046	mg/kg	0.02
B6	4.5	B6-4.5'	5/4/2016	7439-97-6	Mercury, Hg	0.044	mg/kg	0.02
B15	4	B15-4'	5/6/2016	7439-97-6	Mercury, Hg	0.042	mg/kg	0.02
B5	1	B5-1'	5/4/2016	7439-97-6	Mercury, Hg	0.038	mg/kg	0.02
A2	4.5	A2-4.5'	5/4/2016	7439-97-6	Mercury, Hg	0.038	mg/kg	0.02
A1	8.5	A1-8.5'	5/4/2016	7439-97-6	Mercury, Hg	0.038	mg/kg	0.02
B1	4.5	B1-4.5'	5/4/2016	7439-97-6	Mercury, Hg	0.037	mg/kg	0.02
B7	4.5	B7-4.5'	5/5/2016	7439-97-6	Mercury, Hg	0.036	mg/kg	0.02
A7	1	A7-1'	5/5/2016	7439-97-6	Mercury, Hg	0.035	mg/kg	0.02
B3	1	B3-1'	5/4/2016	7439-97-6	Mercury, Hg	0.033	mg/kg	0.02
A6	4.5	A6-4.5'	5/5/2016	7439-97-6	Mercury, Hg	0.03	mg/kg	0.02
A8	4.5	A8-4.5'	5/5/2016	7439-97-6	Mercury, Hg	0.03	mg/kg	0.02
A7	3.5	A7-3.5'	5/5/2016	7439-97-6	Mercury, Hg	0.029	mg/kg	0.02
B4	1	B4-1'	5/4/2016	7439-97-6	Mercury, Hg	0.027	mg/kg	0.02
A1	8.5	A1-8.5'	5/4/2016	7439-97-6	Mercury, Hg	0.027	mg/kg	0.02
A6	1	A6-1'	5/5/2016	7439-97-6	Mercury, Hg	0.026	mg/kg	0.02
LB5	1D	LB5-1D	5/5/2016	7439-97-6	Mercury, Hg	0.026	mg/kg	0.02
A5	1.25	A5-1.25'	5/4/2016	7439-97-6	Mercury, Hg	0.024	mg/kg	0.02
LB8	11	LB8-11'	5/5/2016	7439-97-6	Mercury, Hg	0.023	mg/kg	0.02
A8	1	A8-1'	5/5/2016	7439-97-6	Mercury, Hg	0.022	mg/kg	0.02
A9	1	A9-1'	5/5/2016	7439-97-6	Mercury, Hg	0.022	mg/kg	0.02

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
B8	1	B8-1'	5/5/2016	7439-97-6	Mercury, Hg	0.022	mg/kg	0.02
A1	1	A1-1'	5/4/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
A5B	1	A5B-1'	5/4/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
A10	1	A10-1'	5/5/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
A11	1	A11-1'	5/5/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
A12	1	A12-1'	5/5/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
A13	1	A13-1'	5/5/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
B1	1	B1-1'	5/4/2016	7439-97-6	Mercury, Hg	0.02	mg/kg	0.02
B2	1	B2-1'	5/5/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
B6	1	B6-1'	5/4/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
B9	1	B9-1'	5/5/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
B10	1	B10-1'	5/5/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
B11	1	B11-1'	5/5/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
B12	1	B12-1'	5/5/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
B13	1	B13-1'	5/6/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
B14	1	B14-1'	5/6/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
LB1	1	LB1-1'	5/6/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
LB2	1	LB2-1'	5/6/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
LB3	1	LB3-1'	5/6/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
LB4	1	LB4-1'	5/5/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
LB5	1	LB5-1'	5/5/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
LB6	1	LB6-1'	5/5/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
LB7	1	LB7-1'	5/5/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
LB8	1	LB8-1'	5/5/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
A3	4.5	A3-4.5'	5/4/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
A4	4.5	A4-4.5'	5/4/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
A5	4.5	A5-4.5'	5/4/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
A9	4.5	A9-4.5'	5/5/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
A11	4.5	A11-4.5'	5/5/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
B2	4.5	B2-4.5'	5/5/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
B3	4.5	B3-4.5'	5/4/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
B4	4.5	B4-4.5'	5/4/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
B8	4.5	B8-4.5'	5/5/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
B9	4.5	B9-4.5'	5/5/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
B10	4.5	B10-4.5'	5/5/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
B11	4.5	B11-4.5'	5/5/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
LB1	4.5	LB1-4.5'	5/6/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
LB2	4.5	LB2-4.5'	5/6/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
LB3	4.5	LB3-4.5'	5/6/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
LB4	4.5	LB4-4.5'	5/5/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
A12	5	A12-5'	5/5/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
A13	5	A13-5'	5/5/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
B12	5	B12-5'	5/5/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
B13	5	B13-5'	5/6/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
B14	5	B14-5'	5/6/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
B15	5	B15-5'	5/6/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
LB6	5	LB6-5'	5/5/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
LB7	5	LB7-5'	5/5/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
A2	8.5	A2-8.5'	5/4/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
A3	8.5	A3-8.5'	5/4/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
A4	8.5	A4-8.5'	5/4/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
A5B	8.5	A5B-8.5'	5/4/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
A6	8.5	A6-8.5'	5/5/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
A7	8.5	A7-8.5'	5/5/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
A8	8.5	A8-8.5'	5/5/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
A9	8.5	A9-8.5'	5/5/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
A11	8.5	A11-8.5'	5/5/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
B2	8.5	B2-8.5'	5/5/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
B3	8.5	B3-8.5'	5/4/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
B4	8.5	B4-8.5'	5/4/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
B5	8.5	B5-8.5'	5/4/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
B6	8.5	B6-8.5'	5/4/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
B7	8.5	B7-8.5'	5/5/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
B8	8.5	B8-8.5'	5/5/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
B9	8.5	B9-8.5'	5/5/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
B10	8.5	B10-8.5'	5/5/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
B11	8.5	B11-8.5'	5/5/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
LB1	8.5	LB1-8.5'	5/6/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
LB2	8.5	LB2-8.5'	5/6/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
LB4	8.5	LB4-8.5'	5/5/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
LB5	8.5	LB5-8.5'	5/5/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
A12	11	A12-11'	5/5/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
A13	11	A13-11'	5/5/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
B12	11	B12-11'	5/5/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
B13	11	B13-11'	5/6/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
B14	11	B14-11'	5/6/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
LB6	11	LB6-11'	5/5/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
LB7	11	LB7-11'	5/5/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
LB3	1D	LB3-1'-D	5/6/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
B4	4.5D	B4-4.5D	5/4/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
B12	5D	B12-5'D	5/5/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
A11	8.5D	A11-8.5'-D	5/5/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
B8	8.5D	B8-8.5D	5/5/2016	7439-97-6	Mercury, Hg	ND	mg/kg	0.02
NP-4	10	NP-4-10	10/11/2017	74-83-9	Methyl Bromide	ND	µg/kg	460
NP-3	12	NP-3-12	10/10/2017	74-83-9	Methyl Bromide	ND	µg/kg	9.4
NP-2	6	NP-2-6	10/9/2017	74-83-9	Methyl Bromide	ND	µg/kg	9.1
NP-1	12	NP-1-12	10/9/2017	74-83-9	Methyl Bromide	ND	µg/kg	6.9
NP-4	10	NP-4-10	10/11/2017	591-78-6	Methyl butyl ketone	ND	µg/kg	86
NP-3	12	NP-3-12	10/10/2017	591-78-6	Methyl butyl ketone	ND	µg/kg	1.8
NP-2	6	NP-2-6	10/9/2017	591-78-6	Methyl butyl ketone	ND	µg/kg	1.7
NP-1	12	NP-1-12	10/9/2017	591-78-6	Methyl butyl ketone	ND	µg/kg	1.3
NP-4	10	NP-4-10	10/11/2017	108-10-1	Methyl Isobutyl Ketone (MIBK)	ND	µg/kg	210
NP-3	12	NP-3-12	10/10/2017	108-10-1	Methyl Isobutyl Ketone (MIBK)	ND	µg/kg	4.3
NP-2	6	NP-2-6	10/9/2017	108-10-1	Methyl Isobutyl Ketone (MIBK)	ND	µg/kg	4.2
NP-1	12	NP-1-12	10/9/2017	108-10-1	Methyl Isobutyl Ketone (MIBK)	ND	µg/kg	3.2
NP-4	10	NP-4-10	10/11/2017	1634-04-4	Methyl tert-Butyl Ether (MTBE)	ND	µg/kg	14
NP-3	12	NP-3-12	10/10/2017	1634-04-4	Methyl tert-Butyl Ether (MTBE)	ND	µg/kg	0.3
NP-2	6	NP-2-6	10/9/2017	1634-04-4	Methyl tert-Butyl Ether (MTBE)	ND	µg/kg	0.29
NP-1	12	NP-1-12	10/9/2017	1634-04-4	Methyl tert-Butyl Ether (MTBE)	ND	µg/kg	0.22
A1	1	A1-1'	5/4/2016	75-09-2	Methylene chloride	ND	µg/kg	1
A2	1	A2-1'	5/4/2016	75-09-2	Methylene chloride	ND	µg/kg	1
A3	1	A3-1'	5/4/2016	75-09-2	Methylene chloride	ND	µg/kg	1
A4	1	A4-1'	5/4/2016	75-09-2	Methylene chloride	ND	µg/kg	1
A5B	1	A5B-1'	5/4/2016	75-09-2	Methylene Chloride	ND	µg/kg	1

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
A6	1	A6-1'	5/5/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
A7	1	A7-1'	5/5/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
A8	1	A8-1'	5/5/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
A9	1	A9-1'	5/5/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
A10	1	A10-1'	5/5/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
A11	1	A11-1'	5/5/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
A12	1	A12-1'	5/5/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
A13	1	A13-1'	5/5/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
B1	1	B1-1'	5/4/2016	75-09-2	Methylene chloride	ND	µg/kg	1
B2	1	B2-1'	5/5/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
B3	1	B3-1'	5/4/2016	75-09-2	Methylene chloride	ND	µg/kg	1
B4	1	B4-1'	5/4/2016	75-09-2	Methylene chloride	ND	µg/kg	1
B5	1	B5-1'	5/4/2016	75-09-2	Methylene chloride	ND	µg/kg	1
B6	1	B6-1'	5/4/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
B7	1	B7-1'	5/5/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
B8	1	B8-1'	5/5/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
B9	1	B9-1'	5/5/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
B10	1	B10-1'	5/7/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
B11	1	B11-1'	5/5/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
B12	1	B12-1'	5/5/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
B13	1	B13-1'	5/6/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
B14	1	B14-1'	5/6/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
B15	1	B15-1'	5/6/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
LB1	1	LB1-1'	5/6/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
LB2	1	LB2-1'	5/6/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
LB3	1	LB3-1'	5/6/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
LB4	1	LB4-1'	5/5/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
LB5	1	LB5-1'	5/5/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
LB6	1	LB6-1'	5/5/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
LB7	1	LB7-1'	5/5/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
LB8	1	LB8-1'	5/5/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
A5	1.25	A5-1.25'	5/4/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
A7	3.5	A7-3.5'	5/5/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
B15	4	B15-4'	5/6/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
A1	4.5	A1-4.5'	5/4/2016	75-09-2	Methylene chloride	ND	µg/kg	1
A2	4.5	A2-4.5'	5/4/2016	75-09-2	Methylene chloride	ND	µg/kg	1
A3	4.5	A3-4.5'	5/4/2016	75-09-2	Methylene chloride	ND	µg/kg	1
A4	4.5	A4-4.5'	5/4/2016	75-09-2	Methylene chloride	ND	µg/kg	1
A5	4.5	A5-4.5'	5/4/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
A5B	4.5	A5B-4.5'	5/4/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
A6	4.5	A6-4.5'	5/5/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
A8	4.5	A8-4.5'	5/5/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
A9	4.5	A9-4.5'	5/5/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
A11	4.5	A11-4.5'	5/5/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
B1	4.5	B1-4.5'	5/4/2016	75-09-2	Methylene chloride	ND	µg/kg	1
B2	4.5	B2-4.5'	5/5/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
B3	4.5	B3-4.5'	5/4/2016	75-09-2	Methylene chloride	ND	µg/kg	1
B4	4.5	B4-4.5'	5/4/2016	75-09-2	Methylene chloride	ND	µg/kg	1
B5	4.5	B5-4.5'	5/4/2016	75-09-2	Methylene chloride	ND	µg/kg	1
B6	4.5	B6-4.5'	5/4/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
B7	4.5	B7-4.5'	5/5/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
B8	4.5	B8-4.5'	5/5/2016	75-09-2	Methylene Chloride	ND	µg/kg	1

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
B9	4.5	B9-4.5'	5/5/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
B10	4.5	B10-4.5'	5/5/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
B11	4.5	B11-4.5'	5/5/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
LB	4.5	LB-4.5'	5/6/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
LB1	4.5	LB1-4.5'	5/6/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
LB3	4.5	LB3-4.5'	5/6/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
LB4	4.5	LB4-4.5'	5/5/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
LB5	4.5	LB5-4.5'	5/5/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
A12	5	A12-5'	5/5/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
A13	5	A13-5'	5/5/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
B12	5	B12-5'	5/5/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
B13	5	B13-5'	5/6/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
B14	5	B14-5'	5/8/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
B15	5	B15-5'	5/6/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
LB6	5	LB6-5'	5/5/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
LB7	5	LB7-5'	5/5/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
LB8	5	LB8-5'	5/5/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
A1	8.5	A1-8.5'	5/4/2016	75-09-2	Methylene chloride	ND	µg/kg	1
A2	8.5	A2-8.5'	5/4/2016	75-09-2	Methylene chloride	ND	µg/kg	1
A3	8.5	A3-8.5'	5/4/2016	75-09-2	Methylene chloride	ND	µg/kg	1
A4	8.5	A4-8.5'	5/4/2016	75-09-2	Methylene chloride	ND	µg/kg	1
A5B	8.5	A5B-8.5'	5/4/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
A6	8.5	A6-8.5'	5/5/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
A7	8.5	A7-8.5'	5/5/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
A8	8.5	A8-8.5'	5/5/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
A9	8.5	A9-8.5'	5/5/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
A11	8.5	A11-8.5'	5/5/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
B1	8.5	B1-8.5'	5/4/2016	75-09-2	Methylene chloride	ND	µg/kg	1
B2	8.5	B2-8.5'	5/5/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
B3	8.5	B3-8.5'	5/4/2016	75-09-2	Methylene chloride	ND	µg/kg	1
B4	8.5	B4-8.5'	5/4/2016	75-09-2	Methylene chloride	ND	µg/kg	1
B5	8.5	B5-8.5'	5/4/2016	75-09-2	Methylene chloride	ND	µg/kg	1
B6	8.5	B6-8.5'	5/4/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
B7	8.5	B7-8.5'	5/5/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
B8	8.5	B8-8.5'	5/5/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
B9	8.5	B9-8.5'	5/5/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
B10	8.5	B10-8.5'	5/5/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
B11	8.5	B11-8.5'	5/5/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
LB1	8.5	LB1-8.5'	5/6/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
LB2	8.5	LB2-8.5'	5/6/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
LB3	8.5	LB3-8.5'	5/6/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
LB4	8.5	LB4-8.5'	5/5/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
LB5	8.5	LB5-8.5'	5/5/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
A12	11	A12-11'	5/5/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
A13	11	A13-11'	5/5/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
B12	11	B12-11'	5/5/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
B13	11	B13-11'	5/6/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
B14	11	B14-11'	5/6/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
LB6	11	LB6-11'	5/5/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
LB7	11	LB7-11'	5/5/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
LB8	11	LB8-11'	5/5/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
LB3	1D	LB3-1'-D	5/6/2016	75-09-2	Methylene Chloride	ND	µg/kg	1

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
LB5	1D	LB5-1D	5/5/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
B4	4.5D	B4-4.5D	5/4/2016	75-09-2	Methylene chloride	ND	µg/kg	1
B12	5D	B12-5'D	5/5/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
A3	8.5D	A3-8.5'-D	5/4/2016	75-09-2	Methylene chloride	ND	µg/kg	1
A11	8.5D	A11-8.5'-D	5/5/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
B8	8.5D	B8-8.5D	5/5/2016	75-09-2	Methylene Chloride	ND	µg/kg	1
NP-4	10	NP-4-10	10/11/2017	75-09-2	Methylene Chloride (DCM)	ND	µg/kg	65
NP-2	6	NP-2-6	10/9/2017	75-09-2	Methylene Chloride (DCM)	ND	µg/kg	1.3
NP-3	12	NP-3-12	10/10/2017	75-09-2	Methylene Chloride (DCM)	ND	µg/kg	1.3
NP-1	12	NP-1-12	10/9/2017	75-09-2	Methylene Chloride (DCM)	ND	µg/kg	0.98
A1	1	A1-1'	5/4/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
A2	1	A2-1'	5/4/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
A3	1	A3-1'	5/4/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
A4	1	A4-1'	5/4/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
A5B	1	A5B-1'	5/4/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
A6	1	A6-1'	5/5/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
A7	1	A7-1'	5/5/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
A8	1	A8-1'	5/5/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
A9	1	A9-1'	5/5/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
A10	1	A10-1'	5/5/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
A11	1	A11-1'	5/5/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
A12	1	A12-1'	5/5/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
A13	1	A13-1'	5/5/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
B1	1	B1-1'	5/4/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
B2	1	B2-1'	5/5/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
B3	1	B3-1'	5/4/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
B4	1	B4-1'	5/4/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
B5	1	B5-1'	5/4/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
B6	1	B6-1'	5/4/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
B7	1	B7-1'	5/5/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
B8	1	B8-1'	5/5/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
B9	1	B9-1'	5/5/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
B10	1	B10-1'	5/7/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
B11	1	B11-1'	5/5/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
B13	1	B13-1'	5/6/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
B14	1	B14-1'	5/6/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
B15	1	B15-1'	5/6/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
LB1	1	LB1-1'	5/6/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
LB2	1	LB2-1'	5/6/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
LB3	1	LB3-1'	5/6/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
LB4	1	LB4-1'	5/5/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
LB5	1	LB5-1'	5/5/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
LB6	1	LB6-1'	5/5/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
LB7	1	LB7-1'	5/5/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
LB8	1	LB8-1'	5/5/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
A5	1.25	A5-1.25'	5/4/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
A7	3.5	A7-3.5'	5/5/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
B15	4	B15-4'	5/6/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
A1	4.5	A1-4.5'	5/4/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
A2	4.5	A2-4.5'	5/4/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
A3	4.5	A3-4.5'	5/4/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
A4	4.5	A4-4.5'	5/4/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
A5	4.5	A5-4.5'	5/4/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
A5B	4.5	A5B-4.5'	5/4/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
A6	4.5	A6-4.5'	5/5/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
A9	4.5	A9-4.5'	5/5/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
A11	4.5	A11-4.5'	5/5/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
B1	4.5	B1-4.5'	5/4/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
B2	4.5	B2-4.5'	5/5/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
B3	4.5	B3-4.5'	5/4/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
B4	4.5	B4-4.5'	5/4/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
B5	4.5	B5-4.5'	5/4/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
B6	4.5	B6-4.5'	5/4/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
B7	4.5	B7-4.5'	5/5/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
B8	4.5	B8-4.5'	5/5/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
B9	4.5	B9-4.5'	5/5/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
B10	4.5	B10-4.5'	5/5/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
B11	4.5	B11-4.5'	5/5/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
LB	4.5	LB-4.5'	5/6/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
LB1	4.5	LB1-4.5'	5/6/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
LB3	4.5	LB3-4.5'	5/6/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
LB4	4.5	LB4-4.5'	5/5/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
LB5	4.5	LB5-4.5'	5/5/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
A12	5	A12-5'	5/5/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
A13	5	A13-5'	5/5/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
B12	5	B12-5'	5/5/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
B13	5	B13-5'	5/6/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
B14	5	B14-5'	5/8/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
B15	5	B15-5'	5/6/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
LB6	5	LB6-5'	5/5/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
LB7	5	LB7-5'	5/5/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
LB8	5	LB8-5'	5/5/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
A1	8.5	A1-8.5'	5/4/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
A2	8.5	A2-8.5'	5/4/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
A3	8.5	A3-8.5'	5/4/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
A4	8.5	A4-8.5'	5/4/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
A5B	8.5	A5B-8.5'	5/4/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
A6	8.5	A6-8.5'	5/5/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
A7	8.5	A7-8.5'	5/5/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
A8	8.5	A8-8.5'	5/5/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
A9	8.5	A9-8.5'	5/5/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
A11	8.5	A11-8.5'	5/5/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
B1	8.5	B1-8.5'	5/4/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
B2	8.5	B2-8.5'	5/5/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
B3	8.5	B3-8.5'	5/4/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
B4	8.5	B4-8.5'	5/4/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
B5	8.5	B5-8.5'	5/4/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
B6	8.5	B6-8.5'	5/4/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
B7	8.5	B7-8.5'	5/5/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
B8	8.5	B8-8.5'	5/5/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
B9	8.5	B9-8.5'	5/5/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
B10	8.5	B10-8.5'	5/5/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
B11	8.5	B11-8.5'	5/5/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
LB1	8.5	LB1-8.5'	5/6/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
LB2	8.5	LB2-8.5'	5/6/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
LB3	8.5	LB3-8.5'	5/6/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
LB4	8.5	LB4-8.5'	5/5/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
LB5	8.5	LB5-8.5'	5/5/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
A12	11	A12-11'	5/5/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
A13	11	A13-11'	5/5/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
B12	11	B12-11'	5/5/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
B13	11	B13-11'	5/6/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
B14	11	B14-11'	5/6/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
LB6	11	LB6-11'	5/5/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
LB7	11	LB7-11'	5/5/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
LB8	11	LB8-11'	5/5/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
LB3	1D	LB3-1'-D	5/6/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
LB5	1D	LB5-1D	5/5/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
B4	4.5D	B4-4.5D	5/4/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
B12	5D	B12-5'D	5/5/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
A3	8.5D	A3-8.5'-D	5/4/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
A11	8.5D	A11-8.5'-D	5/5/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	5
B12	1	B12-1'	5/5/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	1
A8	4.5	A8-4.5'	5/5/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	1
B8	8.5D	B8-8.5D	5/5/2016	1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND	µg/kg	1
SS-2	10	SS-2-10	6/28/2012	7439-98-7	Molybdenum	ND	mg/kg	0.25
SS-3	10	SS-3-10	6/28/2012	7439-98-7	Molybdenum	ND	mg/kg	0.25
SS-6	10	SS-6-10	6/28/2012	7439-98-7	Molybdenum	ND	mg/kg	0.25
A3	8.5D	A3-8.5D	5/4/2016	7439-98-7	Molybdenum, Mo	2.7	mg/kg	0.5
A7	1	A7-1'	5/5/2016	7439-98-7	Molybdenum, Mo	2.2	mg/kg	0.5
A1	1	A1-1'	5/4/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
A5B	1	A5B-1'	5/4/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
A6	1	A6-1'	5/5/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
A8	1	A8-1'	5/5/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
A9	1	A9-1'	5/5/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
A10	1	A10-1'	5/5/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
A11	1	A11-1'	5/5/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
A12	1	A12-1'	5/5/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
A13	1	A13-1'	5/5/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
B1	1	B1-1'	5/4/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
B2	1	B2-1'	5/5/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
B3	1	B3-1'	5/4/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
B4	1	B4-1'	5/4/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
B5	1	B5-1'	5/4/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
B6	1	B6-1'	5/4/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
B8	1	B8-1'	5/5/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
B9	1	B9-1'	5/5/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
B10	1	B10-1'	5/5/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
B11	1	B11-1'	5/5/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
B12	1	B12-1'	5/5/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
B13	1	B13-1'	5/6/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
B14	1	B14-1'	5/6/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
LB1	1	LB1-1'	5/6/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
LB2	1	LB2-1'	5/6/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
LB3	1	LB3-1'	5/6/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
LB4	1	LB4-1'	5/5/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
LB5	1	LB5-1'	5/5/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
LB6	1	LB6-1'	5/5/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
LB7	1	LB7-1'	5/5/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
LB8	1	LB8-1'	5/5/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
A5	1.25	A5-1.25'	5/4/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
A7	3.5	A7-3.5'	5/5/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
B15	4	B15-4'	5/6/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
A1	4.5	A1-4.5'	5/4/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
A2	4.5	A2-4.5'	5/4/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
A3	4.5	A3-4.5'	5/4/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
A4	4.5	A4-4.5'	5/4/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
A5	4.5	A5-4.5'	5/4/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
A5B	4.5	A5B-4.5'	5/4/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
A6	4.5	A6-4.5'	5/5/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
A8	4.5	A8-4.5'	5/5/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
A9	4.5	A9-4.5'	5/5/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
A11	4.5	A11-4.5'	5/5/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
B1	4.5	B1-4.5'	5/4/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
B2	4.5	B2-4.5'	5/5/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
B3	4.5	B3-4.5'	5/4/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
B4	4.5	B4-4.5'	5/4/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
B5	4.5	B5-4.5'	5/4/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
B6	4.5	B6-4.5'	5/4/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
B7	4.5	B7-4.5'	5/5/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
B8	4.5	B8-4.5'	5/5/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
B9	4.5	B9-4.5'	5/5/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
B10	4.5	B10-4.5'	5/5/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
B11	4.5	B11-4.5'	5/5/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
LB1	4.5	LB1-4.5'	5/6/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
LB2	4.5	LB2-4.5'	5/6/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
LB3	4.5	LB3-4.5'	5/6/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
LB4	4.5	LB4-4.5'	5/5/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
LB5	4.5	LB5-4.5'	5/5/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
A12	5	A12-5'	5/5/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
A13	5	A13-5'	5/5/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
B12	5	B12-5'	5/5/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
B13	5	B13-5'	5/6/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
B14	5	B14-5'	5/6/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
B15	5	B15-5'	5/6/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
LB6	5	LB6-5'	5/5/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
LB7	5	LB7-5'	5/5/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
LB8	5	LB8-5'	5/5/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
A1	8.5	A1-8.5'	5/4/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
A2	8.5	A2-8.5'	5/4/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
A3	8.5	A3-8.5'	5/4/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
A4	8.5	A4-8.5'	5/4/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
A5B	8.5	A5B-8.5'	5/4/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
A6	8.5	A6-8.5'	5/5/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
A7	8.5	A7-8.5'	5/5/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
A8	8.5	A8-8.5'	5/5/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
A9	8.5	A9-8.5'	5/5/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
A11	8.5	A11-8.5'	5/5/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
B1	8.5	B1-8.5'	5/4/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
B2	8.5	B2-8.5'	5/5/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
B3	8.5	B3-8.5'	5/4/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
B4	8.5	B4-8.5'	5/4/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
B5	8.5	B5-8.5'	5/4/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
B6	8.5	B6-8.5'	5/4/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
B7	8.5	B7-8.5'	5/5/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
B8	8.5	B8-8.5'	5/5/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
B9	8.5	B9-8.5'	5/5/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
B10	8.5	B10-8.5'	5/5/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
B11	8.5	B11-8.5'	5/5/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
LB1	8.5	LB1-8.5'	5/6/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
LB2	8.5	LB2-8.5'	5/6/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
LB3	8.5	LB3-8.5'	5/6/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
LB4	8.5	LB4-8.5'	5/5/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
LB5	8.5	LB5-8.5'	5/5/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
A12	11	A12-11'	5/5/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
A13	11	A13-11'	5/5/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
B12	11	B12-11'	5/5/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
B13	11	B13-11'	5/6/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
B14	11	B14-11'	5/6/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
LB6	11	LB6-11'	5/5/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
LB7	11	LB7-11'	5/5/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
LB8	11	LB8-11'	5/5/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
LB3	1D	LB3-1'-D	5/6/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
LB5	1D	LB5-1D	5/5/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
B4	4.5D	B4-4.5D	5/4/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
B12	5D	B12-5'D	5/5/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
A11	8.5D	A11-8.5'-D	5/5/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
B8	8.5D	B8-8.5D	5/5/2016	7439-98-7	Molybdenum, Mo	ND	mg/kg	0.5
NP-4	10	NP-4-10	10/11/2017	91-20-3	Naphthalene	ND	µg/kg	40
A1	1	A1-1'	5/4/2016	91-20-3	Naphthalene	ND	µg/kg	1
A2	1	A2-1'	5/4/2016	91-20-3	Naphthalene	ND	µg/kg	1
A3	1	A3-1'	5/4/2016	91-20-3	Naphthalene	ND	µg/kg	1
A4	1	A4-1'	5/4/2016	91-20-3	Naphthalene	ND	µg/kg	1
A5B	1	A5B-1'	5/4/2016	91-20-3	Naphthalene	ND	µg/kg	1
A6	1	A6-1'	5/5/2016	91-20-3	Naphthalene	ND	µg/kg	1
A7	1	A7-1'	5/5/2016	91-20-3	Naphthalene	ND	µg/kg	1
A8	1	A8-1'	5/5/2016	91-20-3	Naphthalene	ND	µg/kg	1
A9	1	A9-1'	5/5/2016	91-20-3	Naphthalene	ND	µg/kg	1
A10	1	A10-1'	5/5/2016	91-20-3	Naphthalene	ND	µg/kg	1
A11	1	A11-1'	5/5/2016	91-20-3	Naphthalene	ND	µg/kg	1
A12	1	A12-1'	5/5/2016	91-20-3	Naphthalene	ND	µg/kg	1
A13	1	A13-1'	5/5/2016	91-20-3	Naphthalene	ND	µg/kg	1
B1	1	B1-1'	5/4/2016	91-20-3	Naphthalene	ND	µg/kg	1
B2	1	B2-1'	5/5/2016	91-20-3	Naphthalene	ND	µg/kg	1
B3	1	B3-1'	5/4/2016	91-20-3	Naphthalene	ND	µg/kg	1
B4	1	B4-1'	5/4/2016	91-20-3	Naphthalene	ND	µg/kg	1
B5	1	B5-1'	5/4/2016	91-20-3	Naphthalene	ND	µg/kg	1
B6	1	B6-1'	5/4/2016	91-20-3	Naphthalene	ND	µg/kg	1
B7	1	B7-1'	5/5/2016	91-20-3	Naphthalene	ND	µg/kg	1
B8	1	B8-1'	5/5/2016	91-20-3	Naphthalene	ND	µg/kg	1

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
B9	1	B9-1'	5/5/2016	91-20-3	Naphthalene	ND	µg/kg	1
B10	1	B10-1'	5/7/2016	91-20-3	Naphthalene	ND	µg/kg	1
B11	1	B11-1'	5/5/2016	91-20-3	Naphthalene	ND	µg/kg	1
B12	1	B12-1'	5/5/2016	91-20-3	Naphthalene	ND	µg/kg	1
B13	1	B13-1'	5/6/2016	91-20-3	Naphthalene	ND	µg/kg	1
B14	1	B14-1'	5/6/2016	91-20-3	Naphthalene	ND	µg/kg	1
B15	1	B15-1'	5/6/2016	91-20-3	Naphthalene	ND	µg/kg	1
LB1	1	LB1-1'	5/6/2016	91-20-3	Naphthalene	ND	µg/kg	1
LB2	1	LB2-1'	5/6/2016	91-20-3	Naphthalene	ND	µg/kg	1
LB3	1	LB3-1'	5/6/2016	91-20-3	Naphthalene	ND	µg/kg	1
LB4	1	LB4-1'	5/5/2016	91-20-3	Naphthalene	ND	µg/kg	1
LB5	1	LB5-1'	5/5/2016	91-20-3	Naphthalene	ND	µg/kg	1
LB6	1	LB6-1'	5/5/2016	91-20-3	Naphthalene	ND	µg/kg	1
LB7	1	LB7-1'	5/5/2016	91-20-3	Naphthalene	ND	µg/kg	1
LB8	1	LB8-1'	5/5/2016	91-20-3	Naphthalene	ND	µg/kg	1
A5	1.25	A5-1.25'	5/4/2016	91-20-3	Naphthalene	ND	µg/kg	1
A7	3.5	A7-3.5'	5/5/2016	91-20-3	Naphthalene	ND	µg/kg	1
B15	4	B15-4'	5/6/2016	91-20-3	Naphthalene	ND	µg/kg	1
A1	4.5	A1-4.5'	5/4/2016	91-20-3	Naphthalene	ND	µg/kg	1
A2	4.5	A2-4.5'	5/4/2016	91-20-3	Naphthalene	ND	µg/kg	1
A3	4.5	A3-4.5'	5/4/2016	91-20-3	Naphthalene	ND	µg/kg	1
A4	4.5	A4-4.5'	5/4/2016	91-20-3	Naphthalene	ND	µg/kg	1
A5	4.5	A5-4.5'	5/4/2016	91-20-3	Naphthalene	ND	µg/kg	1
A5B	4.5	A5B-4.5'	5/4/2016	91-20-3	Naphthalene	ND	µg/kg	1
A6	4.5	A6-4.5'	5/5/2016	91-20-3	Naphthalene	ND	µg/kg	1
A8	4.5	A8-4.5'	5/5/2016	91-20-3	Naphthalene	ND	µg/kg	1
A9	4.5	A9-4.5'	5/5/2016	91-20-3	Naphthalene	ND	µg/kg	1
A11	4.5	A11-4.5'	5/5/2016	91-20-3	Naphthalene	ND	µg/kg	1
B1	4.5	B1-4.5'	5/4/2016	91-20-3	Naphthalene	ND	µg/kg	1
B2	4.5	B2-4.5'	5/5/2016	91-20-3	Naphthalene	ND	µg/kg	1
B3	4.5	B3-4.5'	5/4/2016	91-20-3	Naphthalene	ND	µg/kg	1
B4	4.5	B4-4.5'	5/4/2016	91-20-3	Naphthalene	ND	µg/kg	1
B5	4.5	B5-4.5'	5/4/2016	91-20-3	Naphthalene	ND	µg/kg	1
B6	4.5	B6-4.5'	5/4/2016	91-20-3	Naphthalene	ND	µg/kg	1
B7	4.5	B7-4.5'	5/5/2016	91-20-3	Naphthalene	ND	µg/kg	1
B8	4.5	B8-4.5'	5/5/2016	91-20-3	Naphthalene	ND	µg/kg	1
B9	4.5	B9-4.5'	5/5/2016	91-20-3	Naphthalene	ND	µg/kg	1
B10	4.5	B10-4.5'	5/5/2016	91-20-3	Naphthalene	ND	µg/kg	1
B11	4.5	B11-4.5'	5/5/2016	91-20-3	Naphthalene	ND	µg/kg	1
LB	4.5	LB-4.5'	5/6/2016	91-20-3	Naphthalene	ND	µg/kg	1
LB1	4.5	LB1-4.5'	5/6/2016	91-20-3	Naphthalene	ND	µg/kg	1
LB3	4.5	LB3-4.5'	5/6/2016	91-20-3	Naphthalene	ND	µg/kg	1
LB4	4.5	LB4-4.5'	5/5/2016	91-20-3	Naphthalene	ND	µg/kg	1
LB5	4.5	LB5-4.5'	5/5/2016	91-20-3	Naphthalene	ND	µg/kg	1
A12	5	A12-5'	5/5/2016	91-20-3	Naphthalene	ND	µg/kg	1
A13	5	A13-5'	5/5/2016	91-20-3	Naphthalene	ND	µg/kg	1
B12	5	B12-5'	5/5/2016	91-20-3	Naphthalene	ND	µg/kg	1
B13	5	B13-5'	5/6/2016	91-20-3	Naphthalene	ND	µg/kg	1
B14	5	B14-5'	5/8/2016	91-20-3	Naphthalene	ND	µg/kg	1
B15	5	B15-5'	5/6/2016	91-20-3	Naphthalene	ND	µg/kg	1
LB6	5	LB6-5'	5/5/2016	91-20-3	Naphthalene	ND	µg/kg	1
LB7	5	LB7-5'	5/5/2016	91-20-3	Naphthalene	ND	µg/kg	1

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
LB8	5	LB8-5'	5/5/2016	91-20-3	Naphthalene	ND	µg/kg	1
A1	8.5	A1-8.5'	5/4/2016	91-20-3	Naphthalene	ND	µg/kg	1
A2	8.5	A2-8.5'	5/4/2016	91-20-3	Naphthalene	ND	µg/kg	1
A3	8.5	A3-8.5'	5/4/2016	91-20-3	Naphthalene	ND	µg/kg	1
A4	8.5	A4-8.5'	5/4/2016	91-20-3	Naphthalene	ND	µg/kg	1
A5B	8.5	A5B-8.5'	5/4/2016	91-20-3	Naphthalene	ND	µg/kg	1
A6	8.5	A6-8.5'	5/5/2016	91-20-3	Naphthalene	ND	µg/kg	1
A7	8.5	A7-8.5'	5/5/2016	91-20-3	Naphthalene	ND	µg/kg	1
A8	8.5	A8-8.5'	5/5/2016	91-20-3	Naphthalene	ND	µg/kg	1
A9	8.5	A9-8.5'	5/5/2016	91-20-3	Naphthalene	ND	µg/kg	1
A11	8.5	A11-8.5'	5/5/2016	91-20-3	Naphthalene	ND	µg/kg	1
B1	8.5	B1-8.5'	5/4/2016	91-20-3	Naphthalene	ND	µg/kg	1
B2	8.5	B2-8.5'	5/5/2016	91-20-3	Naphthalene	ND	µg/kg	1
B3	8.5	B3-8.5'	5/4/2016	91-20-3	Naphthalene	ND	µg/kg	1
B4	8.5	B4-8.5'	5/4/2016	91-20-3	Naphthalene	ND	µg/kg	1
B5	8.5	B5-8.5'	5/4/2016	91-20-3	Naphthalene	ND	µg/kg	1
B6	8.5	B6-8.5'	5/4/2016	91-20-3	Naphthalene	ND	µg/kg	1
B7	8.5	B7-8.5'	5/5/2016	91-20-3	Naphthalene	ND	µg/kg	1
B8	8.5	B8-8.5'	5/5/2016	91-20-3	Naphthalene	ND	µg/kg	1
B9	8.5	B9-8.5'	5/5/2016	91-20-3	Naphthalene	ND	µg/kg	1
B10	8.5	B10-8.5'	5/5/2016	91-20-3	Naphthalene	ND	µg/kg	1
B11	8.5	B11-8.5'	5/5/2016	91-20-3	Naphthalene	ND	µg/kg	1
LB1	8.5	LB1-8.5'	5/6/2016	91-20-3	Naphthalene	ND	µg/kg	1
LB2	8.5	LB2-8.5'	5/6/2016	91-20-3	Naphthalene	ND	µg/kg	1
LB3	8.5	LB3-8.5'	5/6/2016	91-20-3	Naphthalene	ND	µg/kg	1
LB4	8.5	LB4-8.5'	5/5/2016	91-20-3	Naphthalene	ND	µg/kg	1
LB5	8.5	LB5-8.5'	5/5/2016	91-20-3	Naphthalene	ND	µg/kg	1
A12	11	A12-11'	5/5/2016	91-20-3	Naphthalene	ND	µg/kg	1
A13	11	A13-11'	5/5/2016	91-20-3	Naphthalene	ND	µg/kg	1
B12	11	B12-11'	5/5/2016	91-20-3	Naphthalene	ND	µg/kg	1
B13	11	B13-11'	5/6/2016	91-20-3	Naphthalene	ND	µg/kg	1
B14	11	B14-11'	5/6/2016	91-20-3	Naphthalene	ND	µg/kg	1
LB6	11	LB6-11'	5/5/2016	91-20-3	Naphthalene	ND	µg/kg	1
LB7	11	LB7-11'	5/5/2016	91-20-3	Naphthalene	ND	µg/kg	1
LB8	11	LB8-11'	5/5/2016	91-20-3	Naphthalene	ND	µg/kg	1
LB3	1D	LB3-1'-D	5/6/2016	91-20-3	Naphthalene	ND	µg/kg	1
LB5	1D	LB5-1D	5/5/2016	91-20-3	Naphthalene	ND	µg/kg	1
B4	4.5D	B4-4.5D	5/4/2016	91-20-3	Naphthalene	ND	µg/kg	1
B12	5D	B12-5'D	5/5/2016	91-20-3	Naphthalene	ND	µg/kg	1
A3	8.5D	A3-8.5'-D	5/4/2016	91-20-3	Naphthalene	ND	µg/kg	1
A11	8.5D	A11-8.5'-D	5/5/2016	91-20-3	Naphthalene	ND	µg/kg	1
B8	8.5D	B8-8.5D	5/5/2016	91-20-3	Naphthalene	ND	µg/kg	1
NP-3	12	NP-3-12	10/10/2017	91-20-3	Naphthalene	ND	µg/kg	0.81
NP-2	6	NP-2-6	10/9/2017	91-20-3	Naphthalene	ND	µg/kg	0.79
NP-1	12	NP-1-12	10/9/2017	91-20-3	Naphthalene	ND	µg/kg	0.59
A1	1	A1-1'	5/4/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
A2	1	A2-1'	5/4/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
A3	1	A3-1'	5/4/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
A4	1	A4-1'	5/4/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
A5B	1	A5B-1'	5/4/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
A6	1	A6-1'	5/5/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
A7	1	A7-1'	5/5/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
A8	1	A8-1'	5/5/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
A9	1	A9-1'	5/5/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
A10	1	A10-1'	5/5/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
A11	1	A11-1'	5/5/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
A12	1	A12-1'	5/5/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
A13	1	A13-1'	5/5/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
B1	1	B1-1'	5/4/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
B2	1	B2-1'	5/5/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
B3	1	B3-1'	5/4/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
B4	1	B4-1'	5/4/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
B5	1	B5-1'	5/4/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
B6	1	B6-1'	5/4/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
B7	1	B7-1'	5/5/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
B8	1	B8-1'	5/5/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
B9	1	B9-1'	5/5/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
B10	1	B10-1'	5/7/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
B11	1	B11-1'	5/5/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
B12	1	B12-1'	5/5/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
B13	1	B13-1'	5/6/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
B14	1	B14-1'	5/6/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
B15	1	B15-1'	5/6/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
LB1	1	LB1-1'	5/6/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
LB2	1	LB2-1'	5/6/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
LB3	1	LB3-1'	5/6/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
LB4	1	LB4-1'	5/5/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
LB5	1	LB5-1'	5/5/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
LB6	1	LB6-1'	5/5/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
LB7	1	LB7-1'	5/5/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
LB8	1	LB8-1'	5/5/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
A5	1.25	A5-1.25'	5/4/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
A7	3.5	A7-3.5'	5/5/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
B15	4	B15-4'	5/6/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
A1	4.5	A1-4.5'	5/4/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
A2	4.5	A2-4.5'	5/4/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
A3	4.5	A3-4.5'	5/4/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
A4	4.5	A4-4.5'	5/4/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
A5	4.5	A5-4.5'	5/4/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
A5B	4.5	A5B-4.5'	5/4/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
A6	4.5	A6-4.5'	5/5/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
A8	4.5	A8-4.5'	5/5/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
A9	4.5	A9-4.5'	5/5/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
A11	4.5	A11-4.5'	5/5/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
B1	4.5	B1-4.5'	5/4/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
B2	4.5	B2-4.5'	5/5/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
B3	4.5	B3-4.5'	5/4/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
B4	4.5	B4-4.5'	5/4/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
B5	4.5	B5-4.5'	5/4/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
B6	4.5	B6-4.5'	5/4/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
B7	4.5	B7-4.5'	5/5/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
B8	4.5	B8-4.5'	5/5/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
B9	4.5	B9-4.5'	5/5/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
B10	4.5	B10-4.5'	5/5/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
B11	4.5	B11-4.5'	5/5/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
LB	4.5	LB-4.5'	5/6/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
LB1	4.5	LB1-4.5'	5/6/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
LB3	4.5	LB3-4.5'	5/6/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
LB4	4.5	LB4-4.5'	5/5/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
LB5	4.5	LB5-4.5'	5/5/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
A12	5	A12-5'	5/5/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
A13	5	A13-5'	5/5/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
B12	5	B12-5'	5/5/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
B13	5	B13-5'	5/6/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
B14	5	B14-5'	5/8/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
B15	5	B15-5'	5/6/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
LB6	5	LB6-5'	5/5/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
LB7	5	LB7-5'	5/5/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
LB8	5	LB8-5'	5/5/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
A1	8.5	A1-8.5'	5/4/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
A2	8.5	A2-8.5'	5/4/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
A3	8.5	A3-8.5'	5/4/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
A4	8.5	A4-8.5'	5/4/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
A5B	8.5	A5B-8.5'	5/4/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
A6	8.5	A6-8.5'	5/5/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
A7	8.5	A7-8.5'	5/5/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
A8	8.5	A8-8.5'	5/5/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
A9	8.5	A9-8.5'	5/5/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
A11	8.5	A11-8.5'	5/5/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
B1	8.5	B1-8.5'	5/4/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
B2	8.5	B2-8.5'	5/5/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
B3	8.5	B3-8.5'	5/4/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
B4	8.5	B4-8.5'	5/4/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
B5	8.5	B5-8.5'	5/4/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
B6	8.5	B6-8.5'	5/4/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
B7	8.5	B7-8.5'	5/5/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
B8	8.5	B8-8.5'	5/5/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
B9	8.5	B9-8.5'	5/5/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
B10	8.5	B10-8.5'	5/5/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
B11	8.5	B11-8.5'	5/5/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
LB1	8.5	LB1-8.5'	5/6/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
LB2	8.5	LB2-8.5'	5/6/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
LB3	8.5	LB3-8.5'	5/6/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
LB4	8.5	LB4-8.5'	5/5/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
LB5	8.5	LB5-8.5'	5/5/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
A12	11	A12-11'	5/5/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
A13	11	A13-11'	5/5/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
B12	11	B12-11'	5/5/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
B13	11	B13-11'	5/6/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
B14	11	B14-11'	5/6/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
LB6	11	LB6-11'	5/5/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
LB7	11	LB7-11'	5/5/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
LB8	11	LB8-11'	5/5/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
LB3	1D	LB3-1'-D	5/6/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
LB5	1D	LB5-1D	5/5/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
B4	4.5D	B4-4.5D	5/4/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
B12	5D	B12-5'D	5/5/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
A3	8.5D	A3-8.5'-D	5/4/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
A11	8.5D	A11-8.5'-D	5/5/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
B8	8.5D	B8-8.5D	5/5/2016	104-51-8	n-Butylbenzene	ND	µg/kg	1
SS-3	10	SS-3-10	6/28/2012	7440-02-0	Nickel	17.6	mg/kg	0.25
SS-6	10	SS-6-10	6/28/2012	7440-02-0	Nickel	15.1	mg/kg	0.25
SS-2	10	SS-2-10	6/28/2012	7440-02-0	Nickel	10.8	mg/kg	0.25
A7	3.5	A7-3.5'	5/5/2016	7440-02-0	Nickel, Ni	47.1	mg/kg	0.5
A1	8.5	A1-8.5'	5/4/2016	7440-02-0	Nickel, Ni	32.6	mg/kg	0.5
B14	1	B14-1'	5/6/2016	7440-02-0	Nickel, Ni	28.5	mg/kg	0.5
B13	5	B13-5'	5/6/2016	7440-02-0	Nickel, Ni	28.3	mg/kg	0.5
A7	8.5	A7-8.5'	5/5/2016	7440-02-0	Nickel, Ni	28.1	mg/kg	0.5
A12	5	A12-5'	5/5/2016	7440-02-0	Nickel, Ni	27.9	mg/kg	0.5
A13	5	A13-5'	5/5/2016	7440-02-0	Nickel, Ni	27.4	mg/kg	0.5
LB6	1	LB6-1'	5/5/2016	7440-02-0	Nickel, Ni	26	mg/kg	0.5
A1	4.5	A1-4.5'	5/4/2016	7440-02-0	Nickel, Ni	25.8	mg/kg	0.5
A8	4.5	A8-4.5'	5/5/2016	7440-02-0	Nickel, Ni	25.7	mg/kg	0.5
A12	11	A12-11'	5/5/2016	7440-02-0	Nickel, Ni	25.7	mg/kg	0.5
A12	1	A12-1'	5/5/2016	7440-02-0	Nickel, Ni	25.6	mg/kg	0.5
LB8	5	LB8-5'	5/5/2016	7440-02-0	Nickel, Ni	25.4	mg/kg	0.5
B10	8.5	B10-8.5'	5/5/2016	7440-02-0	Nickel, Ni	24.9	mg/kg	0.5
LB5	8.5	LB5-8.5'	5/5/2016	7440-02-0	Nickel, Ni	24.8	mg/kg	0.5
B12	5D	B12-5'D	5/5/2016	7440-02-0	Nickel, Ni	24.7	mg/kg	0.5
B11	8.5	B11-8.5'	5/5/2016	7440-02-0	Nickel, Ni	24.6	mg/kg	0.5
B15	4	B15-4'	5/6/2016	7440-02-0	Nickel, Ni	24.3	mg/kg	0.5
B13	11	B13-11'	5/6/2016	7440-02-0	Nickel, Ni	24.3	mg/kg	0.5
A3	8.5	A3-8.5'	5/4/2016	7440-02-0	Nickel, Ni	24.2	mg/kg	0.5
A3	4.5	A3-4.5'	5/4/2016	7440-02-0	Nickel, Ni	24.1	mg/kg	0.5
B2	4.5	B2-4.5'	5/5/2016	7440-02-0	Nickel, Ni	24	mg/kg	0.5
LB3	4.5	LB3-4.5'	5/6/2016	7440-02-0	Nickel, Ni	24	mg/kg	0.5
B6	8.5	B6-8.5'	5/4/2016	7440-02-0	Nickel, Ni	23.6	mg/kg	0.5
B12	1	B12-1'	5/5/2016	7440-02-0	Nickel, Ni	23.4	mg/kg	0.5
B12	5	B12-5'	5/5/2016	7440-02-0	Nickel, Ni	23.3	mg/kg	0.5
B12	11	B12-11'	5/5/2016	7440-02-0	Nickel, Ni	23.3	mg/kg	0.5
A13	11	A13-11'	5/5/2016	7440-02-0	Nickel, Ni	22.8	mg/kg	0.5
A11	8.5	A11-8.5'	5/5/2016	7440-02-0	Nickel, Ni	22.3	mg/kg	0.5
B10	4.5	B10-4.5'	5/5/2016	7440-02-0	Nickel, Ni	22	mg/kg	0.5
A13	1	A13-1'	5/5/2016	7440-02-0	Nickel, Ni	21.8	mg/kg	0.5
LB6	5	LB6-5'	5/5/2016	7440-02-0	Nickel, Ni	21.6	mg/kg	0.5
A2	4.5	A2-4.5'	5/4/2016	7440-02-0	Nickel, Ni	21.5	mg/kg	0.5
A7	1	A7-1'	5/5/2016	7440-02-0	Nickel, Ni	21.4	mg/kg	0.5
LB5	1D	LB5-1D	5/5/2016	7440-02-0	Nickel, Ni	21.3	mg/kg	0.5
LB3	1D	LB3-1'-D	5/6/2016	7440-02-0	Nickel, Ni	21.2	mg/kg	0.5
B9	4.5	B9-4.5'	5/5/2016	7440-02-0	Nickel, Ni	21	mg/kg	0.5
B8	4.5	B8-4.5'	5/5/2016	7440-02-0	Nickel, Ni	20.8	mg/kg	0.5
B11	4.5	B11-4.5'	5/5/2016	7440-02-0	Nickel, Ni	20.7	mg/kg	0.5
LB1	8.5	LB1-8.5'	5/6/2016	7440-02-0	Nickel, Ni	20.6	mg/kg	0.5
LB6	11	LB6-11'	5/5/2016	7440-02-0	Nickel, Ni	20.6	mg/kg	0.5
B7	4.5	B7-4.5'	5/5/2016	7440-02-0	Nickel, Ni	20.5	mg/kg	0.5
B15	5	B15-5'	5/6/2016	7440-02-0	Nickel, Ni	20.5	mg/kg	0.5
LB7	5	LB7-5'	5/5/2016	7440-02-0	Nickel, Ni	20.5	mg/kg	0.5
A9	4.5	A9-4.5'	5/5/2016	7440-02-0	Nickel, Ni	20	mg/kg	0.5

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
LB8	11	LB8-11'	5/5/2016	7440-02-0	Nickel, Ni	20	mg/kg	0.5
A11	1	A11-1'	5/5/2016	7440-02-0	Nickel, Ni	19.9	mg/kg	0.5
B4	1	B4-1'	5/4/2016	7440-02-0	Nickel, Ni	19.7	mg/kg	0.5
A5	1.25	A5-1.25'	5/4/2016	7440-02-0	Nickel, Ni	19.7	mg/kg	0.5
LB5	1	LB5-1'	5/5/2016	7440-02-0	Nickel, Ni	19.5	mg/kg	0.5
B13	1	B13-1'	5/6/2016	7440-02-0	Nickel, Ni	19.2	mg/kg	0.5
LB5	4.5	LB5-4.5'	5/5/2016	7440-02-0	Nickel, Ni	19.2	mg/kg	0.5
LB8	1	LB8-1'	5/5/2016	7440-02-0	Nickel, Ni	19.1	mg/kg	0.5
B14	11	B14-11'	5/6/2016	7440-02-0	Nickel, Ni	18.9	mg/kg	0.5
LB7	11	LB7-11'	5/5/2016	7440-02-0	Nickel, Ni	18.8	mg/kg	0.5
A6	8.5	A6-8.5'	5/5/2016	7440-02-0	Nickel, Ni	18.5	mg/kg	0.5
A6	1	A6-1'	5/5/2016	7440-02-0	Nickel, Ni	18.4	mg/kg	0.5
B5	8.5	B5-8.5'	5/4/2016	7440-02-0	Nickel, Ni	18.1	mg/kg	0.5
LB4	1	LB4-1'	5/5/2016	7440-02-0	Nickel, Ni	17.9	mg/kg	0.5
B1	8.5	B1-8.5'	5/4/2016	7440-02-0	Nickel, Ni	17.9	mg/kg	0.5
LB2	8.5	LB2-8.5'	5/6/2016	7440-02-0	Nickel, Ni	17.9	mg/kg	0.5
B4	4.5	B4-4.5'	5/4/2016	7440-02-0	Nickel, Ni	17.7	mg/kg	0.5
B9	8.5	B9-8.5'	5/5/2016	7440-02-0	Nickel, Ni	17.7	mg/kg	0.5
B3	1	B3-1'	5/4/2016	7440-02-0	Nickel, Ni	17.6	mg/kg	0.5
B3	4.5	B3-4.5'	5/4/2016	7440-02-0	Nickel, Ni	17.5	mg/kg	0.5
LB7	1	LB7-1'	5/5/2016	7440-02-0	Nickel, Ni	17.4	mg/kg	0.5
LB1	1	LB1-1'	5/6/2016	7440-02-0	Nickel, Ni	17.1	mg/kg	0.5
B7	8.5	B7-8.5'	5/5/2016	7440-02-0	Nickel, Ni	16.9	mg/kg	0.5
B10	1	B10-1'	5/5/2016	7440-02-0	Nickel, Ni	16.7	mg/kg	0.5
B2	1	B2-1'	5/5/2016	7440-02-0	Nickel, Ni	16.3	mg/kg	0.5
A5B	1	A5B-1'	5/4/2016	7440-02-0	Nickel, Ni	16.1	mg/kg	0.5
B6	1	B6-1'	5/4/2016	7440-02-0	Nickel, Ni	16	mg/kg	0.5
B11	1	B11-1'	5/5/2016	7440-02-0	Nickel, Ni	15.9	mg/kg	0.5
LB3	1	LB3-1'	5/6/2016	7440-02-0	Nickel, Ni	15.6	mg/kg	0.5
B8	8.5	B8-8.5'	5/5/2016	7440-02-0	Nickel, Ni	15.5	mg/kg	0.5
A10	1	A10-1'	5/5/2016	7440-02-0	Nickel, Ni	15.4	mg/kg	0.5
LB1	4.5	LB1-4.5'	5/6/2016	7440-02-0	Nickel, Ni	15.4	mg/kg	0.5
B1	1	B1-1'	5/4/2016	7440-02-0	Nickel, Ni	15.3	mg/kg	0.5
B8	8.5D	B8-8.5D	5/5/2016	7440-02-0	Nickel, Ni	15.3	mg/kg	0.5
A6	4.5	A6-4.5'	5/5/2016	7440-02-0	Nickel, Ni	14.9	mg/kg	0.5
A11	4.5	A11-4.5'	5/5/2016	7440-02-0	Nickel, Ni	14.4	mg/kg	0.5
A5B	8.5	A5B-8.5'	5/4/2016	7440-02-0	Nickel, Ni	14.3	mg/kg	0.5
B1	4.5	B1-4.5'	5/4/2016	7440-02-0	Nickel, Ni	14.1	mg/kg	0.5
LB2	1	LB2-1'	5/6/2016	7440-02-0	Nickel, Ni	14	mg/kg	0.5
A8	8.5	A8-8.5'	5/5/2016	7440-02-0	Nickel, Ni	13.9	mg/kg	0.5
A11	8.5D	A11-8.5'-D	5/5/2016	7440-02-0	Nickel, Ni	13.2	mg/kg	0.5
A9	8.5	A9-8.5'	5/5/2016	7440-02-0	Nickel, Ni	12.9	mg/kg	0.5
B3	8.5	B3-8.5'	5/4/2016	7440-02-0	Nickel, Ni	12.8	mg/kg	0.5
A5	4.5	A5-4.5'	5/4/2016	7440-02-0	Nickel, Ni	12.6	mg/kg	0.5
B2	8.5	B2-8.5'	5/5/2016	7440-02-0	Nickel, Ni	12.6	mg/kg	0.5
LB4	4.5	LB4-4.5'	5/5/2016	7440-02-0	Nickel, Ni	12.3	mg/kg	0.5
A8	1	A8-1'	5/5/2016	7440-02-0	Nickel, Ni	12.2	mg/kg	0.5
LB4	8.5	LB4-8.5'	5/5/2016	7440-02-0	Nickel, Ni	12.1	mg/kg	0.5
A5B	4.5	A5B-4.5'	5/4/2016	7440-02-0	Nickel, Ni	12	mg/kg	0.5
A9	1	A9-1'	5/5/2016	7440-02-0	Nickel, Ni	11.4	mg/kg	0.5
B6	4.5	B6-4.5'	5/4/2016	7440-02-0	Nickel, Ni	11.4	mg/kg	0.5
A4	4.5	A4-4.5'	5/4/2016	7440-02-0	Nickel, Ni	11.3	mg/kg	0.5

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
B5	4.5	B5-4.5'	5/4/2016	7440-02-0	Nickel, Ni	11.1	mg/kg	0.5
A1	1	A1-1'	5/4/2016	7440-02-0	Nickel, Ni	10.6	mg/kg	0.5
B9	1	B9-1'	5/5/2016	7440-02-0	Nickel, Ni	9.8	mg/kg	0.5
A2	8.5	A2-8.5'	5/4/2016	7440-02-0	Nickel, Ni	9.5	mg/kg	0.5
B4	8.5	B4-8.5'	5/4/2016	7440-02-0	Nickel, Ni	9.2	mg/kg	0.5
B5	1	B5-1'	5/4/2016	7440-02-0	Nickel, Ni	8.7	mg/kg	0.5
LB2	4.5	LB2-4.5'	5/6/2016	7440-02-0	Nickel, Ni	8.2	mg/kg	0.5
A4	8.5	A4-8.5'	5/4/2016	7440-02-0	Nickel, Ni	7.6	mg/kg	0.5
B8	1	B8-1'	5/5/2016	7440-02-0	Nickel, Ni	6.8	mg/kg	0.5
LB3	8.5	LB3-8.5'	5/6/2016	7440-02-0	Nickel, Ni	5.1	mg/kg	0.5
B4	4.5D	B4-4.5D	5/4/2016	7440-02-0	Nickel, Ni	3.5	mg/kg	0.5
A3	8.5D	A3-8.5D	5/4/2016	7440-02-0	Nickel, Ni	2.4	mg/kg	0.5
B14	5	B14-5'	5/6/2016	7440-02-0	Nickel, Ni	2.3	mg/kg	0.5
NP-4	10	NP-4-10	10/11/2017	103-65-1	n-Propylbenzene	ND	µg/kg	24
A1	1	A1-1'	5/4/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
A2	1	A2-1'	5/4/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
A3	1	A3-1'	5/4/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
A4	1	A4-1'	5/4/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
A5B	1	A5B-1'	5/4/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
A6	1	A6-1'	5/5/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
A7	1	A7-1'	5/5/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
A8	1	A8-1'	5/5/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
A9	1	A9-1'	5/5/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
A10	1	A10-1'	5/5/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
A11	1	A11-1'	5/5/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
A12	1	A12-1'	5/5/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
A13	1	A13-1'	5/5/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
B1	1	B1-1'	5/4/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
B2	1	B2-1'	5/5/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
B3	1	B3-1'	5/4/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
B4	1	B4-1'	5/4/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
B5	1	B5-1'	5/4/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
B6	1	B6-1'	5/4/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
B7	1	B7-1'	5/5/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
B8	1	B8-1'	5/5/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
B9	1	B9-1'	5/5/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
B10	1	B10-1'	5/7/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
B11	1	B11-1'	5/5/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
B12	1	B12-1'	5/5/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
B13	1	B13-1'	5/6/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
B14	1	B14-1'	5/6/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
B15	1	B15-1'	5/6/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
LB1	1	LB1-1'	5/6/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
LB2	1	LB2-1'	5/6/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
LB3	1	LB3-1'	5/6/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
LB4	1	LB4-1'	5/5/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
LB5	1	LB5-1'	5/5/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
LB6	1	LB6-1'	5/5/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
LB7	1	LB7-1'	5/5/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
LB8	1	LB8-1'	5/5/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
A5	1.25	A5-1.25'	5/4/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
A7	3.5	A7-3.5'	5/5/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
B15	4	B15-4'	5/6/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
A1	4.5	A1-4.5'	5/4/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
A2	4.5	A2-4.5'	5/4/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
A3	4.5	A3-4.5'	5/4/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
A4	4.5	A4-4.5'	5/4/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
A5	4.5	A5-4.5'	5/4/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
A5B	4.5	A5B-4.5'	5/4/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
A6	4.5	A6-4.5'	5/5/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
A8	4.5	A8-4.5'	5/5/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
A9	4.5	A9-4.5'	5/5/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
A11	4.5	A11-4.5'	5/5/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
B1	4.5	B1-4.5'	5/4/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
B2	4.5	B2-4.5'	5/5/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
B3	4.5	B3-4.5'	5/4/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
B4	4.5	B4-4.5'	5/4/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
B5	4.5	B5-4.5'	5/4/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
B6	4.5	B6-4.5'	5/4/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
B7	4.5	B7-4.5'	5/5/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
B8	4.5	B8-4.5'	5/5/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
B9	4.5	B9-4.5'	5/5/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
B10	4.5	B10-4.5'	5/5/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
B11	4.5	B11-4.5'	5/5/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
LB	4.5	LB-4.5'	5/6/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
LB1	4.5	LB1-4.5'	5/6/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
LB3	4.5	LB3-4.5'	5/6/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
LB4	4.5	LB4-4.5'	5/5/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
LB5	4.5	LB5-4.5'	5/5/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
A12	5	A12-5'	5/5/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
A13	5	A13-5'	5/5/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
B12	5	B12-5'	5/5/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
B13	5	B13-5'	5/6/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
B14	5	B14-5'	5/8/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
B15	5	B15-5'	5/6/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
LB6	5	LB6-5'	5/5/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
LB7	5	LB7-5'	5/5/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
LB8	5	LB8-5'	5/5/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
A1	8.5	A1-8.5'	5/4/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
A2	8.5	A2-8.5'	5/4/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
A3	8.5	A3-8.5'	5/4/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
A4	8.5	A4-8.5'	5/4/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
A5B	8.5	A5B-8.5'	5/4/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
A6	8.5	A6-8.5'	5/5/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
A7	8.5	A7-8.5'	5/5/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
A8	8.5	A8-8.5'	5/5/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
A9	8.5	A9-8.5'	5/5/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
A11	8.5	A11-8.5'	5/5/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
B1	8.5	B1-8.5'	5/4/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
B2	8.5	B2-8.5'	5/5/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
B3	8.5	B3-8.5'	5/4/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
B4	8.5	B4-8.5'	5/4/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
B5	8.5	B5-8.5'	5/4/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
B6	8.5	B6-8.5'	5/4/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
B7	8.5	B7-8.5'	5/5/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
B8	8.5	B8-8.5'	5/5/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
B9	8.5	B9-8.5'	5/5/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
B10	8.5	B10-8.5'	5/5/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
B11	8.5	B11-8.5'	5/5/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
LB1	8.5	LB1-8.5'	5/6/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
LB2	8.5	LB2-8.5'	5/6/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
LB3	8.5	LB3-8.5'	5/6/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
LB4	8.5	LB4-8.5'	5/5/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
LB5	8.5	LB5-8.5'	5/5/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
A12	11	A12-11'	5/5/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
A13	11	A13-11'	5/5/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
B12	11	B12-11'	5/5/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
B13	11	B13-11'	5/6/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
B14	11	B14-11'	5/6/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
LB6	11	LB6-11'	5/5/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
LB7	11	LB7-11'	5/5/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
LB8	11	LB8-11'	5/5/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
LB3	1D	LB3-1'-D	5/6/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
LB5	1D	LB5-1D	5/5/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
B4	4.5D	B4-4.5D	5/4/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
B12	5D	B12-5'D	5/5/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
A3	8.5D	A3-8.5'-D	5/4/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
A11	8.5D	A11-8.5'-D	5/5/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
B8	8.5D	B8-8.5D	5/5/2016	103-65-1	n-Propylbenzene	ND	µg/kg	1
NP-3	12	NP-3-12	10/10/2017	103-65-1	n-Propylbenzene	ND	µg/kg	0.5
NP-2	6	NP-2-6	10/9/2017	103-65-1	n-Propylbenzene	ND	µg/kg	0.49
NP-1	12	NP-1-12	10/9/2017	103-65-1	n-Propylbenzene	ND	µg/kg	0.37
NP-4	10	NP-4-10	10/11/2017	95-49-8	o-Chlorotoluene	ND	µg/kg	11
NP-3	12	NP-3-12	10/10/2017	95-49-8	o-Chlorotoluene	ND	µg/kg	0.23
NP-2	6	NP-2-6	10/9/2017	95-49-8	o-Chlorotoluene	ND	µg/kg	0.22
NP-1	12	NP-1-12	10/9/2017	95-49-8	o-Chlorotoluene	ND	µg/kg	0.17
A5B	1	A5B-1'	5/4/2016	N/A	ORO (C29-C32)	169	µg/kg	10
LB2	1	LB2-1'	5/6/2016	N/A	ORO (C29-C32)	128	µg/kg	10
LB3	1	LB3-1'	5/6/2016	N/A	ORO (C29-C32)	42.1	µg/kg	10
A1	1	A1-1'	5/4/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
A2	1	A2-1'	5/4/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
A3	1	A3-1'	5/4/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
A4	1	A4-1'	5/4/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
A6	1	A6-1'	5/5/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
A7	1	A7-1'	5/5/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
A8	1	A8-1'	5/5/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
A9	1	A9-1'	5/5/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
A10	1	A10-1'	5/5/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
A11	1	A11-1'	5/5/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
A12	1	A12-1'	5/5/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
A13	1	A13-1'	5/5/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
B1	1	B1-1'	5/4/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
B2	1	B2-1'	5/5/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
B3	1	B3-1'	5/4/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
B4	1	B4-1'	5/4/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
B5	1	B5-1'	5/4/2016	N/A	ORO (C29-C32)	ND	µg/kg	10

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
B6	1	B6-1'	5/4/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
B7	1	B7-1'	5/5/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
B8	1	B8-1'	5/5/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
B9	1	B9-1'	5/5/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
B10	1	B10-1'	5/5/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
B11	1	B11-1'	5/5/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
B12	1	B12-1'	5/5/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
B13	1	B13-1'	5/6/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
B14	1	B14-1'	5/6/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
B15	1	B15-1'	5/6/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
LB1	1	LB1-1'	5/6/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
LB4	1	LB4-1'	5/5/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
LB5	1	LB5-1'	5/5/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
LB6	1	LB6-1'	5/5/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
LB7	1	LB7-1'	5/5/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
LB8	1	LB8-1'	5/5/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
A5	1.25	A5-1.25'	5/4/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
A7	3.5	A7-3.5'	5/5/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
B15	4	B15-4'	5/6/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
A1	4.5	A1-4.5'	5/4/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
A2	4.5	A2-4.5'	5/4/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
A3	4.5	A3-4.5'	5/4/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
A4	4.5	A4-4.5'	5/4/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
A5	4.5	A5-4.5'	5/4/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
A5B	4.5	A5B-4.5'	5/4/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
A6	4.5	A6-4.5'	5/5/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
A8	4.5	A8-4.5'	5/5/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
A9	4.5	A9-4.5'	5/5/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
A11	4.5	A11-4.5'	5/5/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
B1	4.5	B1-4.5'	5/4/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
B2	4.5	B2-4.5'	5/5/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
B3	4.5	B3-4.5'	5/4/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
B4	4.5	B4-4.5'	5/4/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
B5	4.5	B5-4.5'	5/4/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
B6	4.5	B6-4.5'	5/4/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
B7	4.5	B7-4.5'	5/5/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
B8	4.5	B8-4.5'	5/5/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
B9	4.5	B9-4.5'	5/5/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
B10	4.5	B10-4.5'	5/5/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
B11	4.5	B11-4.5'	5/5/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
LB1	4.5	LB1-4.5'	5/6/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
LB2	4.5	LB2-4.5'	5/6/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
LB3	4.5	LB3-4.5'	5/6/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
LB4	4.5	LB4-4.5'	5/5/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
LB5	4.5	LB5-4.5'	5/5/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
A12	5	A12-5'	5/5/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
A13	5	A13-5'	5/5/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
B12	5	B12-5'	5/5/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
B13	5	B13-5'	5/6/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
B14	5	B14-5'	5/6/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
B15	5	B15-5'	5/6/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
LB6	5	LB6-5'	5/5/2016	N/A	ORO (C29-C32)	ND	µg/kg	10

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
LB7	5	LB7-5'	5/5/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
LB8	5	LB8-5'	5/5/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
A1	8.5	A1-8.5'	5/4/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
A2	8.5	A2-8.5'	5/4/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
A3	8.5	A3-8.5'	5/4/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
A4	8.5	A4-8.5'	5/4/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
A5B	8.5	A5B-8.5'	5/4/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
A6	8.5	A6-8.5'	5/5/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
A7	8.5	A7-8.5'	5/5/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
A8	8.5	A8-8.5'	5/5/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
A9	8.5	A9-8.5'	5/5/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
A11	8.5	A11-8.5'	5/5/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
B1	8.5	B1-8.5'	5/4/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
B2	8.5	B2-8.5'	5/5/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
B3	8.5	B3-8.5'	5/4/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
B4	8.5	B4-8.5'	5/4/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
B5	8.5	B5-8.5'	5/4/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
B6	8.5	B6-8.5'	5/4/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
B7	8.5	B7-8.5'	5/5/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
B8	8.5	B8-8.5'	5/5/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
B9	8.5	B9-8.5'	5/5/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
B10	8.5	B10-8.5'	5/5/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
B11	8.5	B11-8.5'	5/5/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
LB1	8.5	LB1-8.5'	5/6/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
LB2	8.5	LB2-8.5'	5/6/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
LB3	8.5	LB3-8.5'	5/6/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
LB4	8.5	LB4-8.5'	5/5/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
LB5	8.5	LB5-8.5'	5/5/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
A12	11	A12-11'	5/5/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
A13	11	A13-11'	5/5/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
B12	11	B12-11'	5/5/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
B13	11	B13-11'	5/6/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
B14	11	B14-11'	5/6/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
LB6	11	LB6-11'	5/5/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
LB7	11	LB7-11'	5/5/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
LB8	11	LB8-11'	5/5/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
LB3	1D	LB3-1'-D	5/6/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
LB5	1D	LB5-1D	5/5/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
B4	4.5D	B4-4.5D	5/4/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
B12	5D	B12-5'D	5/5/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
A3	8.5D	A3-8.5'-D	5/4/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
A11	8.5D	A11-8.5'-D	5/5/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
B8	8.5D	B8-8.5D	5/5/2016	N/A	ORO (C29-C32)	ND	µg/kg	10
NP-4	10	NP-4-10	10/11/2017	95-47-6	o-Xylene	ND	µg/kg	27
NP-3	12	NP-3-12	10/10/2017	95-47-6	o-Xylene	ND	µg/kg	0.56
NP-2	6	NP-2-6	10/9/2017	95-47-6	o-Xylene	ND	µg/kg	0.54
NP-1	12	NP-1-12	10/9/2017	95-47-6	o-Xylene	ND	µg/kg	0.41
NP-4	10	NP-4-10	10/11/2017	106-43-4	p-Chlorotoluene	ND	µg/kg	10
NP-2	6	NP-2-6	10/9/2017	106-43-4	p-Chlorotoluene	ND	µg/kg	0.21
NP-3	12	NP-3-12	10/10/2017	106-43-4	p-Chlorotoluene	ND	µg/kg	0.21
NP-1	12	NP-1-12	10/9/2017	106-43-4	p-Chlorotoluene	ND	µg/kg	0.16
NP-4	10	NP-4-10	10/11/2017	99-87-6	p-Cymene	ND	µg/kg	31

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
NP-3	12	NP-3-12	10/10/2017	99-87-6	p-Cymene	ND	µg/kg	0.63
NP-2	6	NP-2-6	10/9/2017	99-87-6	p-Cymene	ND	µg/kg	0.61
NP-1	12	NP-1-12	10/9/2017	99-87-6	p-Cymene	ND	µg/kg	0.46
NP-4	10	NP-4-10	10/11/2017	135-98-8	sec-Butylbenzene	ND	µg/kg	28
A1	1	A1-1'	5/4/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
A2	1	A2-1'	5/4/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
A3	1	A3-1'	5/4/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
A4	1	A4-1'	5/4/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
A5B	1	A5B-1'	5/4/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
A6	1	A6-1'	5/5/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
A7	1	A7-1'	5/5/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
A8	1	A8-1'	5/5/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
A9	1	A9-1'	5/5/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
A10	1	A10-1'	5/5/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
A11	1	A11-1'	5/5/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
A12	1	A12-1'	5/5/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
A13	1	A13-1'	5/5/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
B1	1	B1-1'	5/4/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
B2	1	B2-1'	5/5/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
B3	1	B3-1'	5/4/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
B4	1	B4-1'	5/4/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
B5	1	B5-1'	5/4/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
B6	1	B6-1'	5/4/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
B7	1	B7-1'	5/5/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
B8	1	B8-1'	5/5/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
B9	1	B9-1'	5/5/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
B10	1	B10-1'	5/7/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
B11	1	B11-1'	5/5/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
B12	1	B12-1'	5/5/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
B13	1	B13-1'	5/6/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
B14	1	B14-1'	5/6/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
B15	1	B15-1'	5/6/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
LB1	1	LB1-1'	5/6/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
LB2	1	LB2-1'	5/6/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
LB3	1	LB3-1'	5/6/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
LB4	1	LB4-1'	5/5/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
LB5	1	LB5-1'	5/5/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
LB6	1	LB6-1'	5/5/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
LB7	1	LB7-1'	5/5/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
LB8	1	LB8-1'	5/5/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
A5	1.25	A5-1.25'	5/4/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
A7	3.5	A7-3.5'	5/5/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
B15	4	B15-4'	5/6/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
A1	4.5	A1-4.5'	5/4/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
A2	4.5	A2-4.5'	5/4/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
A3	4.5	A3-4.5'	5/4/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
A4	4.5	A4-4.5'	5/4/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
A5	4.5	A5-4.5'	5/4/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
A5B	4.5	A5B-4.5'	5/4/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
A6	4.5	A6-4.5'	5/5/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
A8	4.5	A8-4.5'	5/5/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
A9	4.5	A9-4.5'	5/5/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
A11	4.5	A11-4.5'	5/5/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
B1	4.5	B1-4.5'	5/4/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
B2	4.5	B2-4.5'	5/5/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
B3	4.5	B3-4.5'	5/4/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
B4	4.5	B4-4.5'	5/4/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
B5	4.5	B5-4.5'	5/4/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
B6	4.5	B6-4.5'	5/4/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
B7	4.5	B7-4.5'	5/5/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
B8	4.5	B8-4.5'	5/5/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
B9	4.5	B9-4.5'	5/5/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
B10	4.5	B10-4.5'	5/5/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
B11	4.5	B11-4.5'	5/5/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
LB	4.5	LB-4.5'	5/6/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
LB1	4.5	LB1-4.5'	5/6/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
LB3	4.5	LB3-4.5'	5/6/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
LB4	4.5	LB4-4.5'	5/5/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
LB5	4.5	LB5-4.5'	5/5/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
A12	5	A12-5'	5/5/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
A13	5	A13-5'	5/5/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
B12	5	B12-5'	5/5/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
B13	5	B13-5'	5/6/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
B14	5	B14-5'	5/8/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
B15	5	B15-5'	5/6/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
LB6	5	LB6-5'	5/5/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
LB7	5	LB7-5'	5/5/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
LB8	5	LB8-5'	5/5/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
A1	8.5	A1-8.5'	5/4/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
A2	8.5	A2-8.5'	5/4/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
A3	8.5	A3-8.5'	5/4/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
A4	8.5	A4-8.5'	5/4/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
A5B	8.5	A5B-8.5'	5/4/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
A6	8.5	A6-8.5'	5/5/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
A7	8.5	A7-8.5'	5/5/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
A8	8.5	A8-8.5'	5/5/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
A9	8.5	A9-8.5'	5/5/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
A11	8.5	A11-8.5'	5/5/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
B1	8.5	B1-8.5'	5/4/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
B2	8.5	B2-8.5'	5/5/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
B3	8.5	B3-8.5'	5/4/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
B4	8.5	B4-8.5'	5/4/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
B5	8.5	B5-8.5'	5/4/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
B6	8.5	B6-8.5'	5/4/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
B7	8.5	B7-8.5'	5/5/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
B8	8.5	B8-8.5'	5/5/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
B9	8.5	B9-8.5'	5/5/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
B10	8.5	B10-8.5'	5/5/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
B11	8.5	B11-8.5'	5/5/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
LB1	8.5	LB1-8.5'	5/6/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
LB2	8.5	LB2-8.5'	5/6/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
LB3	8.5	LB3-8.5'	5/6/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
LB4	8.5	LB4-8.5'	5/5/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
LB5	8.5	LB5-8.5'	5/5/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
A12	11	A12-11'	5/5/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
A13	11	A13-11'	5/5/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
B12	11	B12-11'	5/5/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
B13	11	B13-11'	5/6/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
B14	11	B14-11'	5/6/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
LB6	11	LB6-11'	5/5/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
LB7	11	LB7-11'	5/5/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
LB8	11	LB8-11'	5/5/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
LB3	1D	LB3-1'-D	5/6/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
LB5	1D	LB5-1D	5/5/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
B4	4.5D	B4-4.5D	5/4/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
B12	5D	B12-5'D	5/5/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
A3	8.5D	A3-8.5'-D	5/4/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
A11	8.5D	A11-8.5'-D	5/5/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
B8	8.5D	B8-8.5D	5/5/2016	135-98-8	sec-Butylbenzene	ND	µg/kg	1
NP-3	12	NP-3-12	10/10/2017	135-98-8	sec-Butylbenzene	ND	µg/kg	0.58
NP-2	6	NP-2-6	10/9/2017	135-98-8	sec-Butylbenzene	ND	µg/kg	0.56
NP-1	12	NP-1-12	10/9/2017	135-98-8	sec-Butylbenzene	ND	µg/kg	0.42
SS-2	10	SS-2-10	6/28/2012	7782-49-2	Selenium	ND	mg/kg	0.75
SS-3	10	SS-3-10	6/28/2012	7782-49-2	Selenium	ND	mg/kg	0.75
SS-6	10	SS-6-10	6/28/2012	7782-49-2	Selenium	ND	mg/kg	0.75
A1	1	A1-1'	5/4/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
A5B	1	A5B-1'	5/4/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
A6	1	A6-1'	5/5/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
A7	1	A7-1'	5/5/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
A8	1	A8-1'	5/5/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
A9	1	A9-1'	5/5/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
A10	1	A10-1'	5/5/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
A11	1	A11-1'	5/5/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
A12	1	A12-1'	5/5/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
A13	1	A13-1'	5/5/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
B1	1	B1-1'	5/4/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
B2	1	B2-1'	5/5/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
B3	1	B3-1'	5/4/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
B4	1	B4-1'	5/4/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
B5	1	B5-1'	5/4/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
B6	1	B6-1'	5/4/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
B8	1	B8-1'	5/5/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
B9	1	B9-1'	5/5/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
B10	1	B10-1'	5/5/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
B11	1	B11-1'	5/5/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
B12	1	B12-1'	5/5/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
B13	1	B13-1'	5/6/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
B14	1	B14-1'	5/6/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
LB1	1	LB1-1'	5/6/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
LB2	1	LB2-1'	5/6/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
LB3	1	LB3-1'	5/6/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
LB4	1	LB4-1'	5/5/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
LB5	1	LB5-1'	5/5/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
LB6	1	LB6-1'	5/5/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
LB7	1	LB7-1'	5/5/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
LB8	1	LB8-1'	5/5/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
A5	1.25	A5-1.25'	5/4/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
A7	3.5	A7-3.5'	5/5/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
B15	4	B15-4'	5/6/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
A1	4.5	A1-4.5'	5/4/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
A2	4.5	A2-4.5'	5/4/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
A3	4.5	A3-4.5'	5/4/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
A4	4.5	A4-4.5'	5/4/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
A5	4.5	A5-4.5'	5/4/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
A5B	4.5	A5B-4.5'	5/4/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
A6	4.5	A6-4.5'	5/5/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
A8	4.5	A8-4.5'	5/5/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
A9	4.5	A9-4.5'	5/5/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
A11	4.5	A11-4.5'	5/5/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
B1	4.5	B1-4.5'	5/4/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
B2	4.5	B2-4.5'	5/5/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
B3	4.5	B3-4.5'	5/4/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
B4	4.5	B4-4.5'	5/4/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
B5	4.5	B5-4.5'	5/4/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
B6	4.5	B6-4.5'	5/4/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
B7	4.5	B7-4.5'	5/5/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
B8	4.5	B8-4.5'	5/5/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
B9	4.5	B9-4.5'	5/5/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
B10	4.5	B10-4.5'	5/5/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
B11	4.5	B11-4.5'	5/5/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
LB1	4.5	LB1-4.5'	5/6/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
LB2	4.5	LB2-4.5'	5/6/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
LB3	4.5	LB3-4.5'	5/6/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
LB4	4.5	LB4-4.5'	5/5/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
LB5	4.5	LB5-4.5'	5/5/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
A12	5	A12-5'	5/5/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
A13	5	A13-5'	5/5/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
B12	5	B12-5'	5/5/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
B13	5	B13-5'	5/6/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
B14	5	B14-5'	5/6/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
B15	5	B15-5'	5/6/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
LB6	5	LB6-5'	5/5/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
LB7	5	LB7-5'	5/5/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
LB8	5	LB8-5'	5/5/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
A1	8.5	A1-8.5'	5/4/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
A2	8.5	A2-8.5'	5/4/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
A3	8.5	A3-8.5'	5/4/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
A4	8.5	A4-8.5'	5/4/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
A5B	8.5	A5B-8.5'	5/4/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
A6	8.5	A6-8.5'	5/5/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
A7	8.5	A7-8.5'	5/5/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
A8	8.5	A8-8.5'	5/5/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
A9	8.5	A9-8.5'	5/5/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
A11	8.5	A11-8.5'	5/5/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
B1	8.5	B1-8.5'	5/4/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
B2	8.5	B2-8.5'	5/5/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
B3	8.5	B3-8.5'	5/4/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
B4	8.5	B4-8.5'	5/4/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
B5	8.5	B5-8.5'	5/4/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
B6	8.5	B6-8.5'	5/4/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
B7	8.5	B7-8.5'	5/5/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
B8	8.5	B8-8.5'	5/5/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
B9	8.5	B9-8.5'	5/5/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
B10	8.5	B10-8.5'	5/5/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
B11	8.5	B11-8.5'	5/5/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
LB1	8.5	LB1-8.5'	5/6/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
LB2	8.5	LB2-8.5'	5/6/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
LB3	8.5	LB3-8.5'	5/6/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
LB4	8.5	LB4-8.5'	5/5/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
LB5	8.5	LB5-8.5'	5/5/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
A12	11	A12-11'	5/5/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
A13	11	A13-11'	5/5/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
B12	11	B12-11'	5/5/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
B13	11	B13-11'	5/6/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
B14	11	B14-11'	5/6/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
LB6	11	LB6-11'	5/5/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
LB7	11	LB7-11'	5/5/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
LB8	11	LB8-11'	5/5/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
LB3	1D	LB3-1'-D	5/6/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
LB5	1D	LB5-1D	5/5/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
B4	4.5D	B4-4.5D	5/4/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
B12	5D	B12-5'D	5/5/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
A3	8.5D	A3-8.5D	5/4/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
A11	8.5D	A11-8.5'-D	5/5/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
B8	8.5D	B8-8.5D	5/5/2016	7782-49-2	Selenium, Se	ND	mg/kg	0.5
SS-2	10	SS-2-10	6/28/2012	7440-22-4	Silver	ND	mg/kg	0.25
SS-3	10	SS-3-10	6/28/2012	7440-22-4	Silver	ND	mg/kg	0.25
SS-6	10	SS-6-10	6/28/2012	7440-22-4	Silver	ND	mg/kg	0.25
A1	1	A1-1'	5/4/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
A5B	1	A5B-1'	5/4/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
A6	1	A6-1'	5/5/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
A7	1	A7-1'	5/5/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
A8	1	A8-1'	5/5/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
A9	1	A9-1'	5/5/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
A10	1	A10-1'	5/5/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
A11	1	A11-1'	5/5/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
A12	1	A12-1'	5/5/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
A13	1	A13-1'	5/5/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
B1	1	B1-1'	5/4/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
B2	1	B2-1'	5/5/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
B3	1	B3-1'	5/4/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
B4	1	B4-1'	5/4/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
B5	1	B5-1'	5/4/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
B6	1	B6-1'	5/4/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
B8	1	B8-1'	5/5/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
B9	1	B9-1'	5/5/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
B10	1	B10-1'	5/5/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
B11	1	B11-1'	5/5/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
B12	1	B12-1'	5/5/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
B13	1	B13-1'	5/6/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
B14	1	B14-1'	5/6/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
LB1	1	LB1-1'	5/6/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
LB2	1	LB2-1'	5/6/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
LB3	1	LB3-1'	5/6/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
LB4	1	LB4-1'	5/5/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
LB5	1	LB5-1'	5/5/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
LB6	1	LB6-1'	5/5/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
LB7	1	LB7-1'	5/5/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
LB8	1	LB8-1'	5/5/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
A5	1.25	A5-1.25'	5/4/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
A7	3.5	A7-3.5'	5/5/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
B15	4	B15-4'	5/6/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
A1	4.5	A1-4.5'	5/4/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
A2	4.5	A2-4.5'	5/4/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
A3	4.5	A3-4.5'	5/4/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
A4	4.5	A4-4.5'	5/4/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
A5	4.5	A5-4.5'	5/4/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
A5B	4.5	A5B-4.5'	5/4/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
A6	4.5	A6-4.5'	5/5/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
A8	4.5	A8-4.5'	5/5/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
A9	4.5	A9-4.5'	5/5/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
A11	4.5	A11-4.5'	5/5/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
B1	4.5	B1-4.5'	5/4/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
B2	4.5	B2-4.5'	5/5/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
B3	4.5	B3-4.5'	5/4/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
B4	4.5	B4-4.5'	5/4/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
B5	4.5	B5-4.5'	5/4/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
B6	4.5	B6-4.5'	5/4/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
B7	4.5	B7-4.5'	5/5/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
B8	4.5	B8-4.5'	5/5/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
B9	4.5	B9-4.5'	5/5/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
B10	4.5	B10-4.5'	5/5/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
B11	4.5	B11-4.5'	5/5/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
LB1	4.5	LB1-4.5'	5/6/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
LB2	4.5	LB2-4.5'	5/6/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
LB3	4.5	LB3-4.5'	5/6/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
LB4	4.5	LB4-4.5'	5/5/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
LB5	4.5	LB5-4.5'	5/5/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
A12	5	A12-5'	5/5/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
A13	5	A13-5'	5/5/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
B12	5	B12-5'	5/5/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
B13	5	B13-5'	5/6/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
B14	5	B14-5'	5/6/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
B15	5	B15-5'	5/6/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
LB6	5	LB6-5'	5/5/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
LB7	5	LB7-5'	5/5/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
LB8	5	LB8-5'	5/5/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
A1	8.5	A1-8.5'	5/4/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
A2	8.5	A2-8.5'	5/4/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
A3	8.5	A3-8.5'	5/4/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
A4	8.5	A4-8.5'	5/4/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
A5B	8.5	A5B-8.5'	5/4/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
A6	8.5	A6-8.5'	5/5/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
A7	8.5	A7-8.5'	5/5/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
A8	8.5	A8-8.5'	5/5/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
A9	8.5	A9-8.5'	5/5/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
A11	8.5	A11-8.5'	5/5/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
B1	8.5	B1-8.5'	5/4/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
B2	8.5	B2-8.5'	5/5/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
B3	8.5	B3-8.5'	5/4/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
B4	8.5	B4-8.5'	5/4/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
B5	8.5	B5-8.5'	5/4/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
B6	8.5	B6-8.5'	5/4/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
B7	8.5	B7-8.5'	5/5/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
B8	8.5	B8-8.5'	5/5/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
B9	8.5	B9-8.5'	5/5/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
B10	8.5	B10-8.5'	5/5/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
B11	8.5	B11-8.5'	5/5/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
LB1	8.5	LB1-8.5'	5/6/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
LB2	8.5	LB2-8.5'	5/6/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
LB3	8.5	LB3-8.5'	5/6/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
LB4	8.5	LB4-8.5'	5/5/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
LB5	8.5	LB5-8.5'	5/5/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
A12	11	A12-11'	5/5/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
A13	11	A13-11'	5/5/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
B12	11	B12-11'	5/5/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
B13	11	B13-11'	5/6/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
B14	11	B14-11'	5/6/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
LB6	11	LB6-11'	5/5/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
LB7	11	LB7-11'	5/5/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
LB8	11	LB8-11'	5/5/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
LB3	1D	LB3-1'-D	5/6/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
LB5	1D	LB5-1D	5/5/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
B4	4.5D	B4-4.5D	5/4/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
B12	5D	B12-5'D	5/5/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
A3	8.5D	A3-8.5D	5/4/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
A11	8.5D	A11-8.5'-D	5/5/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
B8	8.5D	B8-8.5D	5/5/2016	7440-22-4	Silver, Ag	ND	mg/kg	0.5
NP-4	10	NP-4-10	10/11/2017	100-42-5	Styrene	ND	µg/kg	29
A1	1	A1-1'	5/4/2016	100-42-5	Styrene	ND	µg/kg	1
A2	1	A2-1'	5/4/2016	100-42-5	Styrene	ND	µg/kg	1
A3	1	A3-1'	5/4/2016	100-42-5	Styrene	ND	µg/kg	1
A4	1	A4-1'	5/4/2016	100-42-5	Styrene	ND	µg/kg	1
A5B	1	A5B-1'	5/4/2016	100-42-5	Styrene	ND	µg/kg	1
A6	1	A6-1'	5/5/2016	100-42-5	Styrene	ND	µg/kg	1
A7	1	A7-1'	5/5/2016	100-42-5	Styrene	ND	µg/kg	1
A8	1	A8-1'	5/5/2016	100-42-5	Styrene	ND	µg/kg	1
A9	1	A9-1'	5/5/2016	100-42-5	Styrene	ND	µg/kg	1
A10	1	A10-1'	5/5/2016	100-42-5	Styrene	ND	µg/kg	1
A11	1	A11-1'	5/5/2016	100-42-5	Styrene	ND	µg/kg	1
A12	1	A12-1'	5/5/2016	100-42-5	Styrene	ND	µg/kg	1
A13	1	A13-1'	5/5/2016	100-42-5	Styrene	ND	µg/kg	1
B1	1	B1-1'	5/4/2016	100-42-5	Styrene	ND	µg/kg	1
B2	1	B2-1'	5/5/2016	100-42-5	Styrene	ND	µg/kg	1

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
B3	1	B3-1'	5/4/2016	100-42-5	Styrene	ND	µg/kg	1
B4	1	B4-1'	5/4/2016	100-42-5	Styrene	ND	µg/kg	1
B5	1	B5-1'	5/4/2016	100-42-5	Styrene	ND	µg/kg	1
B6	1	B6-1'	5/4/2016	100-42-5	Styrene	ND	µg/kg	1
B7	1	B7-1'	5/5/2016	100-42-5	Styrene	ND	µg/kg	1
B8	1	B8-1'	5/5/2016	100-42-5	Styrene	ND	µg/kg	1
B9	1	B9-1'	5/5/2016	100-42-5	Styrene	ND	µg/kg	1
B10	1	B10-1'	5/7/2016	100-42-5	Styrene	ND	µg/kg	1
B11	1	B11-1'	5/5/2016	100-42-5	Styrene	ND	µg/kg	1
B12	1	B12-1'	5/5/2016	100-42-5	Styrene	ND	µg/kg	1
B13	1	B13-1'	5/6/2016	100-42-5	Styrene	ND	µg/kg	1
B14	1	B14-1'	5/6/2016	100-42-5	Styrene	ND	µg/kg	1
B15	1	B15-1'	5/6/2016	100-42-5	Styrene	ND	µg/kg	1
LB1	1	LB1-1'	5/6/2016	100-42-5	Styrene	ND	µg/kg	1
LB2	1	LB2-1'	5/6/2016	100-42-5	Styrene	ND	µg/kg	1
LB3	1	LB3-1'	5/6/2016	100-42-5	Styrene	ND	µg/kg	1
LB4	1	LB4-1'	5/5/2016	100-42-5	Styrene	ND	µg/kg	1
LB5	1	LB5-1'	5/5/2016	100-42-5	Styrene	ND	µg/kg	1
LB6	1	LB6-1'	5/5/2016	100-42-5	Styrene	ND	µg/kg	1
LB7	1	LB7-1'	5/5/2016	100-42-5	Styrene	ND	µg/kg	1
LB8	1	LB8-1'	5/5/2016	100-42-5	Styrene	ND	µg/kg	1
A5	1.25	A5-1.25'	5/4/2016	100-42-5	Styrene	ND	µg/kg	1
A7	3.5	A7-3.5'	5/5/2016	100-42-5	Styrene	ND	µg/kg	1
B15	4	B15-4'	5/6/2016	100-42-5	Styrene	ND	µg/kg	1
A1	4.5	A1-4.5'	5/4/2016	100-42-5	Styrene	ND	µg/kg	1
A2	4.5	A2-4.5'	5/4/2016	100-42-5	Styrene	ND	µg/kg	1
A3	4.5	A3-4.5'	5/4/2016	100-42-5	Styrene	ND	µg/kg	1
A4	4.5	A4-4.5'	5/4/2016	100-42-5	Styrene	ND	µg/kg	1
A5	4.5	A5-4.5'	5/4/2016	100-42-5	Styrene	ND	µg/kg	1
A5B	4.5	A5B-4.5'	5/4/2016	100-42-5	Styrene	ND	µg/kg	1
A6	4.5	A6-4.5'	5/5/2016	100-42-5	Styrene	ND	µg/kg	1
A8	4.5	A8-4.5'	5/5/2016	100-42-5	Styrene	ND	µg/kg	1
A9	4.5	A9-4.5'	5/5/2016	100-42-5	Styrene	ND	µg/kg	1
A11	4.5	A11-4.5'	5/5/2016	100-42-5	Styrene	ND	µg/kg	1
B1	4.5	B1-4.5'	5/4/2016	100-42-5	Styrene	ND	µg/kg	1
B2	4.5	B2-4.5'	5/5/2016	100-42-5	Styrene	ND	µg/kg	1
B3	4.5	B3-4.5'	5/4/2016	100-42-5	Styrene	ND	µg/kg	1
B4	4.5	B4-4.5'	5/4/2016	100-42-5	Styrene	ND	µg/kg	1
B5	4.5	B5-4.5'	5/4/2016	100-42-5	Styrene	ND	µg/kg	1
B6	4.5	B6-4.5'	5/4/2016	100-42-5	Styrene	ND	µg/kg	1
B7	4.5	B7-4.5'	5/5/2016	100-42-5	Styrene	ND	µg/kg	1
B8	4.5	B8-4.5'	5/5/2016	100-42-5	Styrene	ND	µg/kg	1
B9	4.5	B9-4.5'	5/5/2016	100-42-5	Styrene	ND	µg/kg	1
B10	4.5	B10-4.5'	5/5/2016	100-42-5	Styrene	ND	µg/kg	1
B11	4.5	B11-4.5'	5/5/2016	100-42-5	Styrene	ND	µg/kg	1
LB	4.5	LB-4.5'	5/6/2016	100-42-5	Styrene	ND	µg/kg	1
LB1	4.5	LB1-4.5'	5/6/2016	100-42-5	Styrene	ND	µg/kg	1
LB3	4.5	LB3-4.5'	5/6/2016	100-42-5	Styrene	ND	µg/kg	1
LB4	4.5	LB4-4.5'	5/5/2016	100-42-5	Styrene	ND	µg/kg	1
LB5	4.5	LB5-4.5'	5/5/2016	100-42-5	Styrene	ND	µg/kg	1
A12	5	A12-5'	5/5/2016	100-42-5	Styrene	ND	µg/kg	1
A13	5	A13-5'	5/5/2016	100-42-5	Styrene	ND	µg/kg	1

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
B12	5	B12-5'	5/5/2016	100-42-5	Styrene	ND	µg/kg	1
B13	5	B13-5'	5/6/2016	100-42-5	Styrene	ND	µg/kg	1
B14	5	B14-5'	5/8/2016	100-42-5	Styrene	ND	µg/kg	1
B15	5	B15-5'	5/6/2016	100-42-5	Styrene	ND	µg/kg	1
LB6	5	LB6-5'	5/5/2016	100-42-5	Styrene	ND	µg/kg	1
LB7	5	LB7-5'	5/5/2016	100-42-5	Styrene	ND	µg/kg	1
LB8	5	LB8-5'	5/5/2016	100-42-5	Styrene	ND	µg/kg	1
A1	8.5	A1-8.5'	5/4/2016	100-42-5	Styrene	ND	µg/kg	1
A2	8.5	A2-8.5'	5/4/2016	100-42-5	Styrene	ND	µg/kg	1
A3	8.5	A3-8.5'	5/4/2016	100-42-5	Styrene	ND	µg/kg	1
A4	8.5	A4-8.5'	5/4/2016	100-42-5	Styrene	ND	µg/kg	1
A5B	8.5	A5B-8.5'	5/4/2016	100-42-5	Styrene	ND	µg/kg	1
A6	8.5	A6-8.5'	5/5/2016	100-42-5	Styrene	ND	µg/kg	1
A7	8.5	A7-8.5'	5/5/2016	100-42-5	Styrene	ND	µg/kg	1
A8	8.5	A8-8.5'	5/5/2016	100-42-5	Styrene	ND	µg/kg	1
A9	8.5	A9-8.5'	5/5/2016	100-42-5	Styrene	ND	µg/kg	1
A11	8.5	A11-8.5'	5/5/2016	100-42-5	Styrene	ND	µg/kg	1
B1	8.5	B1-8.5'	5/4/2016	100-42-5	Styrene	ND	µg/kg	1
B2	8.5	B2-8.5'	5/5/2016	100-42-5	Styrene	ND	µg/kg	1
B3	8.5	B3-8.5'	5/4/2016	100-42-5	Styrene	ND	µg/kg	1
B4	8.5	B4-8.5'	5/4/2016	100-42-5	Styrene	ND	µg/kg	1
B5	8.5	B5-8.5'	5/4/2016	100-42-5	Styrene	ND	µg/kg	1
B6	8.5	B6-8.5'	5/4/2016	100-42-5	Styrene	ND	µg/kg	1
B7	8.5	B7-8.5'	5/5/2016	100-42-5	Styrene	ND	µg/kg	1
B8	8.5	B8-8.5'	5/5/2016	100-42-5	Styrene	ND	µg/kg	1
B9	8.5	B9-8.5'	5/5/2016	100-42-5	Styrene	ND	µg/kg	1
B10	8.5	B10-8.5'	5/5/2016	100-42-5	Styrene	ND	µg/kg	1
B11	8.5	B11-8.5'	5/5/2016	100-42-5	Styrene	ND	µg/kg	1
LB1	8.5	LB1-8.5'	5/6/2016	100-42-5	Styrene	ND	µg/kg	1
LB2	8.5	LB2-8.5'	5/6/2016	100-42-5	Styrene	ND	µg/kg	1
LB3	8.5	LB3-8.5'	5/6/2016	100-42-5	Styrene	ND	µg/kg	1
LB4	8.5	LB4-8.5'	5/5/2016	100-42-5	Styrene	ND	µg/kg	1
LB5	8.5	LB5-8.5'	5/5/2016	100-42-5	Styrene	ND	µg/kg	1
A12	11	A12-11'	5/5/2016	100-42-5	Styrene	ND	µg/kg	1
A13	11	A13-11'	5/5/2016	100-42-5	Styrene	ND	µg/kg	1
B12	11	B12-11'	5/5/2016	100-42-5	Styrene	ND	µg/kg	1
B13	11	B13-11'	5/6/2016	100-42-5	Styrene	ND	µg/kg	1
B14	11	B14-11'	5/6/2016	100-42-5	Styrene	ND	µg/kg	1
LB6	11	LB6-11'	5/5/2016	100-42-5	Styrene	ND	µg/kg	1
LB7	11	LB7-11'	5/5/2016	100-42-5	Styrene	ND	µg/kg	1
LB8	11	LB8-11'	5/5/2016	100-42-5	Styrene	ND	µg/kg	1
LB3	1D	LB3-1'-D	5/6/2016	100-42-5	Styrene	ND	µg/kg	1
LB5	1D	LB5-1D	5/5/2016	100-42-5	Styrene	ND	µg/kg	1
B4	4.5D	B4-4.5D	5/4/2016	100-42-5	Styrene	ND	µg/kg	1
B12	5D	B12-5'D	5/5/2016	100-42-5	Styrene	ND	µg/kg	1
A3	8.5D	A3-8.5'-D	5/4/2016	100-42-5	Styrene	ND	µg/kg	1
A11	8.5D	A11-8.5'-D	5/5/2016	100-42-5	Styrene	ND	µg/kg	1
B8	8.5D	B8-8.5D	5/5/2016	100-42-5	Styrene	ND	µg/kg	1
NP-3	12	NP-3-12	10/10/2017	100-42-5	Styrene	ND	µg/kg	0.6
NP-2	6	NP-2-6	10/9/2017	100-42-5	Styrene	ND	µg/kg	0.58
NP-1	12	NP-1-12	10/9/2017	100-42-5	Styrene	ND	µg/kg	0.44
A1	1	A1-1'	5/4/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
A2	1	A2-1'	5/4/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
A3	1	A3-1'	5/4/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
A4	1	A4-1'	5/4/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
A5B	1	A5B-1'	5/4/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
A6	1	A6-1'	5/5/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
A7	1	A7-1'	5/5/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
A8	1	A8-1'	5/5/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
A9	1	A9-1'	5/5/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
A10	1	A10-1'	5/5/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
A11	1	A11-1'	5/5/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
A12	1	A12-1'	5/5/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
A13	1	A13-1'	5/5/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
B1	1	B1-1'	5/4/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
B2	1	B2-1'	5/5/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
B3	1	B3-1'	5/4/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
B4	1	B4-1'	5/4/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
B5	1	B5-1'	5/4/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
B6	1	B6-1'	5/4/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
B7	1	B7-1'	5/5/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
B8	1	B8-1'	5/5/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
B9	1	B9-1'	5/5/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
B10	1	B10-1'	5/7/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
B11	1	B11-1'	5/5/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
B13	1	B13-1'	5/6/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
B14	1	B14-1'	5/6/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
B15	1	B15-1'	5/6/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
LB1	1	LB1-1'	5/6/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
LB2	1	LB2-1'	5/6/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
LB3	1	LB3-1'	5/6/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
LB4	1	LB4-1'	5/5/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
LB5	1	LB5-1'	5/5/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
LB6	1	LB6-1'	5/5/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
LB7	1	LB7-1'	5/5/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
LB8	1	LB8-1'	5/5/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
A5	1.25	A5-1.25'	5/4/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
A7	3.5	A7-3.5'	5/5/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
B15	4	B15-4'	5/6/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
A1	4.5	A1-4.5'	5/4/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
A2	4.5	A2-4.5'	5/4/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
A3	4.5	A3-4.5'	5/4/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
A4	4.5	A4-4.5'	5/4/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
A5	4.5	A5-4.5'	5/4/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
A5B	4.5	A5B-4.5'	5/4/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
A6	4.5	A6-4.5'	5/5/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
A9	4.5	A9-4.5'	5/5/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
A11	4.5	A11-4.5'	5/5/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
B1	4.5	B1-4.5'	5/4/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
B2	4.5	B2-4.5'	5/5/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
B3	4.5	B3-4.5'	5/4/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
B4	4.5	B4-4.5'	5/4/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
B5	4.5	B5-4.5'	5/4/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
B6	4.5	B6-4.5'	5/4/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
B7	4.5	B7-4.5'	5/5/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
B8	4.5	B8-4.5'	5/5/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
B9	4.5	B9-4.5'	5/5/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
B10	4.5	B10-4.5'	5/5/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
B11	4.5	B11-4.5'	5/5/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
LB	4.5	LB-4.5'	5/6/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
LB1	4.5	LB1-4.5'	5/6/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
LB3	4.5	LB3-4.5'	5/6/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
LB4	4.5	LB4-4.5'	5/5/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
LB5	4.5	LB5-4.5'	5/5/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
A12	5	A12-5'	5/5/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
A13	5	A13-5'	5/5/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
B12	5	B12-5'	5/5/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
B13	5	B13-5'	5/6/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
B14	5	B14-5'	5/8/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
B15	5	B15-5'	5/6/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
LB6	5	LB6-5'	5/5/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
LB7	5	LB7-5'	5/5/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
LB8	5	LB8-5'	5/5/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
A1	8.5	A1-8.5'	5/4/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
A2	8.5	A2-8.5'	5/4/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
A3	8.5	A3-8.5'	5/4/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
A4	8.5	A4-8.5'	5/4/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
A5B	8.5	A5B-8.5'	5/4/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
A6	8.5	A6-8.5'	5/5/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
A7	8.5	A7-8.5'	5/5/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
A8	8.5	A8-8.5'	5/5/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
A9	8.5	A9-8.5'	5/5/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
A11	8.5	A11-8.5'	5/5/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
B1	8.5	B1-8.5'	5/4/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
B2	8.5	B2-8.5'	5/5/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
B3	8.5	B3-8.5'	5/4/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
B4	8.5	B4-8.5'	5/4/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
B5	8.5	B5-8.5'	5/4/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
B6	8.5	B6-8.5'	5/4/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
B7	8.5	B7-8.5'	5/5/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
B8	8.5	B8-8.5'	5/5/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
B9	8.5	B9-8.5'	5/5/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
B10	8.5	B10-8.5'	5/5/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
B11	8.5	B11-8.5'	5/5/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
LB1	8.5	LB1-8.5'	5/6/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
LB2	8.5	LB2-8.5'	5/6/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
LB3	8.5	LB3-8.5'	5/6/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
LB4	8.5	LB4-8.5'	5/5/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
LB5	8.5	LB5-8.5'	5/5/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
A12	11	A12-11'	5/5/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
A13	11	A13-11'	5/5/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
B12	11	B12-11'	5/5/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
B13	11	B13-11'	5/6/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
B14	11	B14-11'	5/6/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
LB6	11	LB6-11'	5/5/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
LB7	11	LB7-11'	5/5/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
LB8	11	LB8-11'	5/5/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
LB3	1D	LB3-1'-D	5/6/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
LB5	1D	LB5-1D	5/5/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
B4	4.5D	B4-4.5D	5/4/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
B12	5D	B12-5'D	5/5/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
A3	8.5D	A3-8.5'-D	5/4/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
A11	8.5D	A11-8.5'-D	5/5/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	50
B12	1	B12-1'	5/5/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	1
A8	4.5	A8-4.5'	5/5/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	1
B8	8.5D	B8-8.5D	5/5/2016	75-65-0	Tert- Butylalcohol (TBA)	ND	µg/kg	1
A1	1	A1-1'	5/4/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
A2	1	A2-1'	5/4/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
A3	1	A3-1'	5/4/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
A4	1	A4-1'	5/4/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
A5B	1	A5B-1'	5/4/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
A6	1	A6-1'	5/5/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
A7	1	A7-1'	5/5/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
A8	1	A8-1'	5/5/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
A9	1	A9-1'	5/5/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
A10	1	A10-1'	5/5/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
A11	1	A11-1'	5/5/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
A12	1	A12-1'	5/5/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
A13	1	A13-1'	5/5/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
B1	1	B1-1'	5/4/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
B2	1	B2-1'	5/5/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
B3	1	B3-1'	5/4/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
B4	1	B4-1'	5/4/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
B5	1	B5-1'	5/4/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
B6	1	B6-1'	5/4/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
B7	1	B7-1'	5/5/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
B8	1	B8-1'	5/5/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
B9	1	B9-1'	5/5/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
B10	1	B10-1'	5/7/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
B11	1	B11-1'	5/5/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
B13	1	B13-1'	5/6/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
B14	1	B14-1'	5/6/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
B15	1	B15-1'	5/6/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
LB1	1	LB1-1'	5/6/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
LB2	1	LB2-1'	5/6/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
LB3	1	LB3-1'	5/6/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
LB4	1	LB4-1'	5/5/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
LB5	1	LB5-1'	5/5/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
LB6	1	LB6-1'	5/5/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
LB7	1	LB7-1'	5/5/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
LB8	1	LB8-1'	5/5/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
A5	1.25	A5-1.25'	5/4/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
A7	3.5	A7-3.5'	5/5/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
B15	4	B15-4'	5/6/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
A1	4.5	A1-4.5'	5/4/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
A2	4.5	A2-4.5'	5/4/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
A3	4.5	A3-4.5'	5/4/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
A4	4.5	A4-4.5'	5/4/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
A5	4.5	A5-4.5'	5/4/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
A5B	4.5	A5B-4.5'	5/4/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
A6	4.5	A6-4.5'	5/5/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
A9	4.5	A9-4.5'	5/5/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
A11	4.5	A11-4.5'	5/5/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
B1	4.5	B1-4.5'	5/4/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
B2	4.5	B2-4.5'	5/5/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
B3	4.5	B3-4.5'	5/4/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
B4	4.5	B4-4.5'	5/4/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
B5	4.5	B5-4.5'	5/4/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
B6	4.5	B6-4.5'	5/4/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
B7	4.5	B7-4.5'	5/5/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
B8	4.5	B8-4.5'	5/5/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
B9	4.5	B9-4.5'	5/5/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
B10	4.5	B10-4.5'	5/5/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
B11	4.5	B11-4.5'	5/5/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
LB	4.5	LB-4.5'	5/6/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
LB1	4.5	LB1-4.5'	5/6/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
LB3	4.5	LB3-4.5'	5/6/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
LB4	4.5	LB4-4.5'	5/5/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
LB5	4.5	LB5-4.5'	5/5/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
A12	5	A12-5'	5/5/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
A13	5	A13-5'	5/5/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
B12	5	B12-5'	5/5/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
B13	5	B13-5'	5/6/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
B14	5	B14-5'	5/8/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
B15	5	B15-5'	5/6/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
LB6	5	LB6-5'	5/5/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
LB7	5	LB7-5'	5/5/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
LB8	5	LB8-5'	5/5/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
A1	8.5	A1-8.5'	5/4/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
A2	8.5	A2-8.5'	5/4/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
A3	8.5	A3-8.5'	5/4/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
A4	8.5	A4-8.5'	5/4/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
A5B	8.5	A5B-8.5'	5/4/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
A6	8.5	A6-8.5'	5/5/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
A7	8.5	A7-8.5'	5/5/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
A8	8.5	A8-8.5'	5/5/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
A9	8.5	A9-8.5'	5/5/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
A11	8.5	A11-8.5'	5/5/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
B1	8.5	B1-8.5'	5/4/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
B2	8.5	B2-8.5'	5/5/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
B3	8.5	B3-8.5'	5/4/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
B4	8.5	B4-8.5'	5/4/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
B5	8.5	B5-8.5'	5/4/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
B6	8.5	B6-8.5'	5/4/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
B7	8.5	B7-8.5'	5/5/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
B8	8.5	B8-8.5'	5/5/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
B9	8.5	B9-8.5'	5/5/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
B10	8.5	B10-8.5'	5/5/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
B11	8.5	B11-8.5'	5/5/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
LB1	8.5	LB1-8.5'	5/6/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
LB2	8.5	LB2-8.5'	5/6/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
LB3	8.5	LB3-8.5'	5/6/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
LB4	8.5	LB4-8.5'	5/5/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
LB5	8.5	LB5-8.5'	5/5/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
A12	11	A12-11'	5/5/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
A13	11	A13-11'	5/5/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
B12	11	B12-11'	5/5/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
B13	11	B13-11'	5/6/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
B14	11	B14-11'	5/6/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
LB6	11	LB6-11'	5/5/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
LB7	11	LB7-11'	5/5/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
LB8	11	LB8-11'	5/5/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
LB3	1D	LB3-1'-D	5/6/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
LB5	1D	LB5-1D	5/5/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
B4	4.5D	B4-4.5D	5/4/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
B12	5D	B12-5'D	5/5/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
A3	8.5D	A3-8.5'-D	5/4/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
A11	8.5D	A11-8.5'-D	5/5/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	5
B12	1	B12-1'	5/5/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	1
A8	4.5	A8-4.5'	5/5/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	1
B8	8.5D	B8-8.5D	5/5/2016	994-05-8	Tert-amylmethylether (TAME)	ND	µg/kg	1
NP-4	10	NP-4-10	10/11/2017	98-06-6	tert-Butylbenzene	ND	µg/kg	7.3
A1	1	A1-1'	5/4/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
A2	1	A2-1'	5/4/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
A3	1	A3-1'	5/4/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
A4	1	A4-1'	5/4/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
A5B	1	A5B-1'	5/4/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
A6	1	A6-1'	5/5/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
A7	1	A7-1'	5/5/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
A8	1	A8-1'	5/5/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
A9	1	A9-1'	5/5/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
A10	1	A10-1'	5/5/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
A11	1	A11-1'	5/5/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
A12	1	A12-1'	5/5/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
A13	1	A13-1'	5/5/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
B1	1	B1-1'	5/4/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
B2	1	B2-1'	5/5/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
B3	1	B3-1'	5/4/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
B4	1	B4-1'	5/4/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
B5	1	B5-1'	5/4/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
B6	1	B6-1'	5/4/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
B7	1	B7-1'	5/5/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
B8	1	B8-1'	5/5/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
B9	1	B9-1'	5/5/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
B10	1	B10-1'	5/7/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
B11	1	B11-1'	5/5/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
B12	1	B12-1'	5/5/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
B13	1	B13-1'	5/6/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
B14	1	B14-1'	5/6/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
B15	1	B15-1'	5/6/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
LB1	1	LB1-1'	5/6/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
LB2	1	LB2-1'	5/6/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
LB3	1	LB3-1'	5/6/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
LB4	1	LB4-1'	5/5/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
LB5	1	LB5-1'	5/5/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
LB6	1	LB6-1'	5/5/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
LB7	1	LB7-1'	5/5/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
LB8	1	LB8-1'	5/5/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
A5	1.25	A5-1.25'	5/4/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
A7	3.5	A7-3.5'	5/5/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
B15	4	B15-4'	5/6/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
A1	4.5	A1-4.5'	5/4/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
A2	4.5	A2-4.5'	5/4/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
A3	4.5	A3-4.5'	5/4/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
A4	4.5	A4-4.5'	5/4/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
A5	4.5	A5-4.5'	5/4/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
A5B	4.5	A5B-4.5'	5/4/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
A6	4.5	A6-4.5'	5/5/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
A8	4.5	A8-4.5'	5/5/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
A9	4.5	A9-4.5'	5/5/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
A11	4.5	A11-4.5'	5/5/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
B1	4.5	B1-4.5'	5/4/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
B2	4.5	B2-4.5'	5/5/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
B3	4.5	B3-4.5'	5/4/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
B4	4.5	B4-4.5'	5/4/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
B5	4.5	B5-4.5'	5/4/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
B6	4.5	B6-4.5'	5/4/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
B7	4.5	B7-4.5'	5/5/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
B8	4.5	B8-4.5'	5/5/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
B9	4.5	B9-4.5'	5/5/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
B10	4.5	B10-4.5'	5/5/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
B11	4.5	B11-4.5'	5/5/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
LB	4.5	LB-4.5'	5/6/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
LB1	4.5	LB1-4.5'	5/6/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
LB3	4.5	LB3-4.5'	5/6/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
LB4	4.5	LB4-4.5'	5/5/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
LB5	4.5	LB5-4.5'	5/5/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
A12	5	A12-5'	5/5/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
A13	5	A13-5'	5/5/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
B12	5	B12-5'	5/5/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
B13	5	B13-5'	5/6/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
B14	5	B14-5'	5/8/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
B15	5	B15-5'	5/6/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
LB6	5	LB6-5'	5/5/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
LB7	5	LB7-5'	5/5/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
LB8	5	LB8-5'	5/5/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
A1	8.5	A1-8.5'	5/4/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
A2	8.5	A2-8.5'	5/4/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
A3	8.5	A3-8.5'	5/4/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
A4	8.5	A4-8.5'	5/4/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
A5B	8.5	A5B-8.5'	5/4/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
A6	8.5	A6-8.5'	5/5/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
A7	8.5	A7-8.5'	5/5/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
A8	8.5	A8-8.5'	5/5/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
A9	8.5	A9-8.5'	5/5/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
A11	8.5	A11-8.5'	5/5/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
B1	8.5	B1-8.5'	5/4/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
B2	8.5	B2-8.5'	5/5/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
B3	8.5	B3-8.5'	5/4/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
B4	8.5	B4-8.5'	5/4/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
B5	8.5	B5-8.5'	5/4/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
B6	8.5	B6-8.5'	5/4/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
B7	8.5	B7-8.5'	5/5/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
B8	8.5	B8-8.5'	5/5/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
B9	8.5	B9-8.5'	5/5/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
B10	8.5	B10-8.5'	5/5/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
B11	8.5	B11-8.5'	5/5/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
LB1	8.5	LB1-8.5'	5/6/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
LB2	8.5	LB2-8.5'	5/6/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
LB3	8.5	LB3-8.5'	5/6/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
LB4	8.5	LB4-8.5'	5/5/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
LB5	8.5	LB5-8.5'	5/5/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
A12	11	A12-11'	5/5/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
A13	11	A13-11'	5/5/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
B12	11	B12-11'	5/5/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
B13	11	B13-11'	5/6/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
B14	11	B14-11'	5/6/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
LB6	11	LB6-11'	5/5/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
LB7	11	LB7-11'	5/5/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
LB8	11	LB8-11'	5/5/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
LB3	1D	LB3-1'-D	5/6/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
LB5	1D	LB5-1D	5/5/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
B4	4.5D	B4-4.5D	5/4/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
B12	5D	B12-5'D	5/5/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
A3	8.5D	A3-8.5'-D	5/4/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
A11	8.5D	A11-8.5'-D	5/5/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
B8	8.5D	B8-8.5D	5/5/2016	98-06-6	tert-Butylbenzene	ND	µg/kg	1
NP-2	6	NP-2-6	10/9/2017	98-06-6	tert-Butylbenzene	ND	µg/kg	0.15
NP-3	12	NP-3-12	10/10/2017	98-06-6	tert-Butylbenzene	ND	µg/kg	0.15
NP-1	12	NP-1-12	10/9/2017	98-06-6	tert-Butylbenzene	ND	µg/kg	0.11
NP-3	12	NP-3-12	10/10/2017	127-18-4	Tetrachloroethene (PCE)	91	µg/kg	0.21
NP-2	6	NP-2-6	10/9/2017	127-18-4	Tetrachloroethene (PCE)	30	µg/kg	0.2
NP-4	10	NP-4-10	10/11/2017	127-18-4	Tetrachloroethene (PCE)	13	µg/kg	10
NP-1	12	NP-1-12	10/9/2017	127-18-4	Tetrachloroethene (PCE)	0.47	µg/kg	0.15
A4	1	A4-1'	5/4/2016	127-18-4	Tetrachloroethylene	2540	µg/kg	1
A7	3.5	A7-3.5'	5/5/2016	127-18-4	Tetrachloroethylene	2470	µg/kg	23
A5	1.25	A5-1.25'	5/4/2016	127-18-4	Tetrachloroethylene	810	µg/kg	10
A5B	1	A5B-1'	5/4/2016	127-18-4	Tetrachloroethylene	253	µg/kg	9
LB8	1	LB8-1'	5/5/2016	127-18-4	Tetrachloroethylene	187	µg/kg	1
B5	8.5	B5-8.5'	5/4/2016	127-18-4	Tetrachloroethylene	161	µg/kg	1
B5	4.5	B5-4.5'	5/4/2016	127-18-4	Tetrachloroethylene	148	µg/kg	1
A4	8.5	A4-8.5'	5/4/2016	127-18-4	Tetrachloroethylene	118	µg/kg	1
A4	4.5	A4-4.5'	5/4/2016	127-18-4	Tetrachloroethylene	46.9	µg/kg	1
LB3	1D	LB3-1'-D	5/6/2016	127-18-4	Tetrachloroethylene	46.7	µg/kg	1
LB3	1	LB3-1'	5/6/2016	127-18-4	Tetrachloroethylene	43.9	µg/kg	1
A5B	4.5	A5B-4.5'	5/4/2016	127-18-4	Tetrachloroethylene	39.8	µg/kg	1

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
B6	4.5	B6-4.5'	5/4/2016	127-18-4	Tetrachloroethylene	33.1	µg/kg	1
A5	4.5	A5-4.5'	5/4/2016	127-18-4	Tetrachloroethylene	32.2	µg/kg	1
B5	1	B5-1'	5/4/2016	127-18-4	Tetrachloroethylene	29.6	µg/kg	1
B6	1	B6-1'	5/4/2016	127-18-4	Tetrachloroethylene	28.7	µg/kg	1
LB2	1	LB2-1'	5/6/2016	127-18-4	Tetrachloroethylene	28	µg/kg	1
B1	4.5	B1-4.5'	5/4/2016	127-18-4	Tetrachloroethylene	27	µg/kg	1
LB4	4.5	LB4-4.5'	5/5/2016	127-18-4	Tetrachloroethylene	25.6	µg/kg	1
B4	4.5	B4-4.5'	5/4/2016	127-18-4	Tetrachloroethylene	24	µg/kg	1
B12	1	B12-1'	5/5/2016	127-18-4	Tetrachloroethylene	22.8	µg/kg	1
B4	8.5	B4-8.5'	5/4/2016	127-18-4	Tetrachloroethylene	22.4	µg/kg	1
A7	1	A7-1'	5/5/2016	127-18-4	Tetrachloroethylene	22.1	µg/kg	1
B7	4.5	B7-4.5'	5/5/2016	127-18-4	Tetrachloroethylene	22.1	µg/kg	1
B6	8.5	B6-8.5'	5/4/2016	127-18-4	Tetrachloroethylene	22.1	µg/kg	1
A8	1	A8-1'	5/5/2016	127-18-4	Tetrachloroethylene	21.9	µg/kg	1
B3	1	B3-1'	5/4/2016	127-18-4	Tetrachloroethylene	21.8	µg/kg	1
LB8	5	LB8-5'	5/5/2016	127-18-4	Tetrachloroethylene	21.5	µg/kg	1
LB5	4.5	LB5-4.5'	5/5/2016	127-18-4	Tetrachloroethylene	21.2	µg/kg	1
B4	4.5D	B4-4.5D	5/4/2016	127-18-4	Tetrachloroethylene	21.2	µg/kg	1
LB3	4.5	LB3-4.5'	5/6/2016	127-18-4	Tetrachloroethylene	19.6	µg/kg	1
A5B	8.5	A5B-8.5'	5/4/2016	127-18-4	Tetrachloroethylene	16	µg/kg	1
B8	1	B8-1'	5/5/2016	127-18-4	Tetrachloroethylene	13.9	µg/kg	1
A6	4.5	A6-4.5'	5/5/2016	127-18-4	Tetrachloroethylene	13.7	µg/kg	1
B2	1	B2-1'	5/5/2016	127-18-4	Tetrachloroethylene	12.7	µg/kg	1
A8	4.5	A8-4.5'	5/5/2016	127-18-4	Tetrachloroethylene	11.4	µg/kg	1
A3	8.5	A3-8.5'	5/4/2016	127-18-4	Tetrachloroethylene	11.4	µg/kg	1
A3	4.5	A3-4.5'	5/4/2016	127-18-4	Tetrachloroethylene	10.5	µg/kg	1
A3	1	A3-1'	5/4/2016	127-18-4	Tetrachloroethylene	8.9	µg/kg	1
A2	1	A2-1'	5/4/2016	127-18-4	Tetrachloroethylene	8.2	µg/kg	1
LB3	8.5	LB3-8.5'	5/6/2016	127-18-4	Tetrachloroethylene	8.2	µg/kg	1
B3	4.5	B3-4.5'	5/4/2016	127-18-4	Tetrachloroethylene	7.9	µg/kg	1
B11	4.5	B11-4.5'	5/5/2016	127-18-4	Tetrachloroethylene	7.3	µg/kg	1
A10	1	A10-1'	5/5/2016	127-18-4	Tetrachloroethylene	6.8	µg/kg	1
A3	8.5D	A3-8.5'-D	5/4/2016	127-18-4	Tetrachloroethylene	6.6	µg/kg	1
B8	8.5D	B8-8.5D	5/5/2016	127-18-4	Tetrachloroethylene	6	µg/kg	1
B7	1	B7-1'	5/5/2016	127-18-4	Tetrachloroethylene	5.8	µg/kg	1
B8	8.5	B8-8.5'	5/5/2016	127-18-4	Tetrachloroethylene	5.5	µg/kg	1
LB4	8.5	LB4-8.5'	5/5/2016	127-18-4	Tetrachloroethylene	5.4	µg/kg	1
A9	4.5	A9-4.5'	5/5/2016	127-18-4	Tetrachloroethylene	4.5	µg/kg	1
LB4	1	LB4-1'	5/5/2016	127-18-4	Tetrachloroethylene	4.4	µg/kg	1
A9	1	A9-1'	5/5/2016	127-18-4	Tetrachloroethylene	4.3	µg/kg	1
B10	4.5	B10-4.5'	5/5/2016	127-18-4	Tetrachloroethylene	4.3	µg/kg	1
LB5	8.5	LB5-8.5'	5/5/2016	127-18-4	Tetrachloroethylene	3.9	µg/kg	1
LB7	1	LB7-1'	5/5/2016	127-18-4	Tetrachloroethylene	3.5	µg/kg	1
B8	4.5	B8-4.5'	5/5/2016	127-18-4	Tetrachloroethylene	3.3	µg/kg	1
LB8	11	LB8-11'	5/5/2016	127-18-4	Tetrachloroethylene	3	µg/kg	1
LB1	1	LB1-1'	5/6/2016	127-18-4	Tetrachloroethylene	2.9	µg/kg	1
B10	8.5	B10-8.5'	5/5/2016	127-18-4	Tetrachloroethylene	2.8	µg/kg	1
B12	5D	B12-5'D	5/5/2016	127-18-4	Tetrachloroethylene	2.8	µg/kg	1
B12	5	B12-5'	5/5/2016	127-18-4	Tetrachloroethylene	2.4	µg/kg	1
B11	8.5	B11-8.5'	5/5/2016	127-18-4	Tetrachloroethylene	2.4	µg/kg	1
B9	4.5	B9-4.5'	5/5/2016	127-18-4	Tetrachloroethylene	2.3	µg/kg	1
LB	4.5	LB-4.5'	5/6/2016	127-18-4	Tetrachloroethylene	2.2	µg/kg	1

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
LB2	8.5	LB2-8.5'	5/6/2016	127-18-4	Tetrachloroethylene	2.2	µg/kg	1
A2	4.5	A2-4.5'	5/4/2016	127-18-4	Tetrachloroethylene	2.1	µg/kg	1
B13	5	B13-5'	5/6/2016	127-18-4	Tetrachloroethylene	2.1	µg/kg	1
B1	8.5	B1-8.5'	5/4/2016	127-18-4	Tetrachloroethylene	2.1	µg/kg	1
B10	1	B10-1'	5/7/2016	127-18-4	Tetrachloroethylene	2	µg/kg	1
A6	8.5	A6-8.5'	5/5/2016	127-18-4	Tetrachloroethylene	2	µg/kg	1
B9	8.5	B9-8.5'	5/5/2016	127-18-4	Tetrachloroethylene	2	µg/kg	1
B9	1	B9-1'	5/5/2016	127-18-4	Tetrachloroethylene	1.8	µg/kg	1
LB1	8.5	LB1-8.5'	5/6/2016	127-18-4	Tetrachloroethylene	1.8	µg/kg	1
B2	4.5	B2-4.5'	5/5/2016	127-18-4	Tetrachloroethylene	1.7	µg/kg	1
LB1	4.5	LB1-4.5'	5/6/2016	127-18-4	Tetrachloroethylene	1.6	µg/kg	1
A8	8.5	A8-8.5'	5/5/2016	127-18-4	Tetrachloroethylene	1.5	µg/kg	1
A7	8.5	A7-8.5'	5/5/2016	127-18-4	Tetrachloroethylene	1.4	µg/kg	1
B12	11	B12-11'	5/5/2016	127-18-4	Tetrachloroethylene	1.3	µg/kg	1
B3	8.5	B3-8.5'	5/4/2016	127-18-4	Tetrachloroethylene	1.2	µg/kg	1
B13	11	B13-11'	5/6/2016	127-18-4	Tetrachloroethylene	1.2	µg/kg	1
A1	1	A1-1'	5/4/2016	127-18-4	Tetrachloroethylene	ND	µg/kg	1
A6	1	A6-1'	5/5/2016	127-18-4	Tetrachloroethylene	ND	µg/kg	1
A11	1	A11-1'	5/5/2016	127-18-4	Tetrachloroethylene	ND	µg/kg	1
A12	1	A12-1'	5/5/2016	127-18-4	Tetrachloroethylene	ND	µg/kg	1
A13	1	A13-1'	5/5/2016	127-18-4	Tetrachloroethylene	ND	µg/kg	1
B1	1	B1-1'	5/4/2016	127-18-4	Tetrachloroethylene	ND	µg/kg	1
B11	1	B11-1'	5/5/2016	127-18-4	Tetrachloroethylene	ND	µg/kg	1
B13	1	B13-1'	5/6/2016	127-18-4	Tetrachloroethylene	ND	µg/kg	1
B14	1	B14-1'	5/6/2016	127-18-4	Tetrachloroethylene	ND	µg/kg	1
B15	1	B15-1'	5/6/2016	127-18-4	Tetrachloroethylene	ND	µg/kg	1
LB5	1	LB5-1'	5/5/2016	127-18-4	Tetrachloroethylene	ND	µg/kg	1
LB6	1	LB6-1'	5/5/2016	127-18-4	Tetrachloroethylene	1	µg/kg	1
B15	4	B15-4'	5/6/2016	127-18-4	Tetrachloroethylene	ND	µg/kg	1
A1	4.5	A1-4.5'	5/4/2016	127-18-4	Tetrachloroethylene	ND	µg/kg	1
A11	4.5	A11-4.5'	5/5/2016	127-18-4	Tetrachloroethylene	ND	µg/kg	1
A12	5	A12-5'	5/5/2016	127-18-4	Tetrachloroethylene	ND	µg/kg	1
A13	5	A13-5'	5/5/2016	127-18-4	Tetrachloroethylene	ND	µg/kg	1
B14	5	B14-5'	5/8/2016	127-18-4	Tetrachloroethylene	ND	µg/kg	1
B15	5	B15-5'	5/6/2016	127-18-4	Tetrachloroethylene	ND	µg/kg	1
LB6	5	LB6-5'	5/5/2016	127-18-4	Tetrachloroethylene	ND	µg/kg	1
LB7	5	LB7-5'	5/5/2016	127-18-4	Tetrachloroethylene	ND	µg/kg	1
A1	8.5	A1-8.5'	5/4/2016	127-18-4	Tetrachloroethylene	ND	µg/kg	1
A2	8.5	A2-8.5'	5/4/2016	127-18-4	Tetrachloroethylene	ND	µg/kg	1
A9	8.5	A9-8.5'	5/5/2016	127-18-4	Tetrachloroethylene	ND	µg/kg	1
A11	8.5	A11-8.5'	5/5/2016	127-18-4	Tetrachloroethylene	ND	µg/kg	1
B2	8.5	B2-8.5'	5/5/2016	127-18-4	Tetrachloroethylene	ND	µg/kg	1
B7	8.5	B7-8.5'	5/5/2016	127-18-4	Tetrachloroethylene	ND	µg/kg	1
A12	11	A12-11'	5/5/2016	127-18-4	Tetrachloroethylene	ND	µg/kg	1
A13	11	A13-11'	5/5/2016	127-18-4	Tetrachloroethylene	ND	µg/kg	1
B14	11	B14-11'	5/6/2016	127-18-4	Tetrachloroethylene	ND	µg/kg	1
LB6	11	LB6-11'	5/5/2016	127-18-4	Tetrachloroethylene	ND	µg/kg	1
LB7	11	LB7-11'	5/5/2016	127-18-4	Tetrachloroethylene	1	µg/kg	1
LB5	1D	LB5-1D	5/5/2016	127-18-4	Tetrachloroethylene	ND	µg/kg	1
A11	8.5D	A11-8.5'-D	5/5/2016	127-18-4	Tetrachloroethylene	ND	µg/kg	1
SS-2	10	SS-2-10	6/28/2012	7440-28-0	Thallium	ND	mg/kg	0.75
SS-3	10	SS-3-10	6/28/2012	7440-28-0	Thallium	ND	mg/kg	0.75

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
SS-6	10	SS-6-10	6/28/2012	7440-28-0	Thallium	ND	mg/kg	0.75
A1	1	A1-1'	5/4/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
A5B	1	A5B-1'	5/4/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
A6	1	A6-1'	5/5/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
A7	1	A7-1'	5/5/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
A8	1	A8-1'	5/5/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
A9	1	A9-1'	5/5/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
A10	1	A10-1'	5/5/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
A11	1	A11-1'	5/5/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
A12	1	A12-1'	5/5/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
A13	1	A13-1'	5/5/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
B1	1	B1-1'	5/4/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
B2	1	B2-1'	5/5/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
B3	1	B3-1'	5/4/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
B4	1	B4-1'	5/4/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
B5	1	B5-1'	5/4/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
B6	1	B6-1'	5/4/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
B8	1	B8-1'	5/5/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
B9	1	B9-1'	5/5/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
B10	1	B10-1'	5/5/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
B11	1	B11-1'	5/5/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
B12	1	B12-1'	5/5/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
B13	1	B13-1'	5/6/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
B14	1	B14-1'	5/6/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
LB1	1	LB1-1'	5/6/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
LB2	1	LB2-1'	5/6/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
LB3	1	LB3-1'	5/6/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
LB4	1	LB4-1'	5/5/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
LB5	1	LB5-1'	5/5/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
LB6	1	LB6-1'	5/5/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
LB7	1	LB7-1'	5/5/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
LB8	1	LB8-1'	5/5/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
A5	1.25	A5-1.25'	5/4/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
A7	3.5	A7-3.5'	5/5/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
B15	4	B15-4'	5/6/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
A1	4.5	A1-4.5'	5/4/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
A2	4.5	A2-4.5'	5/4/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
A3	4.5	A3-4.5'	5/4/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
A4	4.5	A4-4.5'	5/4/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
A5	4.5	A5-4.5'	5/4/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
A5B	4.5	A5B-4.5'	5/4/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
A6	4.5	A6-4.5'	5/5/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
A8	4.5	A8-4.5'	5/5/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
A9	4.5	A9-4.5'	5/5/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
A11	4.5	A11-4.5'	5/5/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
B1	4.5	B1-4.5'	5/4/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
B2	4.5	B2-4.5'	5/5/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
B3	4.5	B3-4.5'	5/4/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
B4	4.5	B4-4.5'	5/4/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
B5	4.5	B5-4.5'	5/4/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
B6	4.5	B6-4.5'	5/4/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
B7	4.5	B7-4.5'	5/5/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
B8	4.5	B8-4.5'	5/5/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
B9	4.5	B9-4.5'	5/5/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
B10	4.5	B10-4.5'	5/5/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
B11	4.5	B11-4.5'	5/5/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
LB1	4.5	LB1-4.5'	5/6/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
LB2	4.5	LB2-4.5'	5/6/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
LB3	4.5	LB3-4.5'	5/6/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
LB4	4.5	LB4-4.5'	5/5/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
LB5	4.5	LB5-4.5'	5/5/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
A12	5	A12-5'	5/5/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
A13	5	A13-5'	5/5/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
B12	5	B12-5'	5/5/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
B13	5	B13-5'	5/6/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
B14	5	B14-5'	5/6/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
B15	5	B15-5'	5/6/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
LB6	5	LB6-5'	5/5/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
LB7	5	LB7-5'	5/5/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
LB8	5	LB8-5'	5/5/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
A1	8.5	A1-8.5'	5/4/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
A2	8.5	A2-8.5'	5/4/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
A3	8.5	A3-8.5'	5/4/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
A4	8.5	A4-8.5'	5/4/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
A5B	8.5	A5B-8.5'	5/4/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
A6	8.5	A6-8.5'	5/5/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
A7	8.5	A7-8.5'	5/5/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
A8	8.5	A8-8.5'	5/5/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
A9	8.5	A9-8.5'	5/5/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
A11	8.5	A11-8.5'	5/5/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
B1	8.5	B1-8.5'	5/4/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
B2	8.5	B2-8.5'	5/5/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
B3	8.5	B3-8.5'	5/4/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
B4	8.5	B4-8.5'	5/4/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
B5	8.5	B5-8.5'	5/4/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
B6	8.5	B6-8.5'	5/4/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
B7	8.5	B7-8.5'	5/5/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
B8	8.5	B8-8.5'	5/5/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
B9	8.5	B9-8.5'	5/5/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
B10	8.5	B10-8.5'	5/5/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
B11	8.5	B11-8.5'	5/5/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
LB1	8.5	LB1-8.5'	5/6/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
LB2	8.5	LB2-8.5'	5/6/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
LB3	8.5	LB3-8.5'	5/6/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
LB4	8.5	LB4-8.5'	5/5/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
LB5	8.5	LB5-8.5'	5/5/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
A12	11	A12-11'	5/5/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
A13	11	A13-11'	5/5/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
B12	11	B12-11'	5/5/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
B13	11	B13-11'	5/6/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
B14	11	B14-11'	5/6/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
LB6	11	LB6-11'	5/5/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
LB7	11	LB7-11'	5/5/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
LB8	11	LB8-11'	5/5/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
LB3	1D	LB3-1'-D	5/6/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
LB5	1D	LB5-1D	5/5/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
B4	4.5D	B4-4.5D	5/4/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
B12	5D	B12-5'D	5/5/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
A3	8.5D	A3-8.5D	5/4/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
A11	8.5D	A11-8.5'-D	5/5/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
B8	8.5D	B8-8.5D	5/5/2016	7440-28-0	Thallium, Tl	ND	mg/kg	0.5
NP-4	10	NP-4-10	10/11/2017	108-88-3	Toluene	ND	µg/kg	25
B15	5	B15-5'	5/6/2016	108-88-3	Toluene	1.8	µg/kg	1
A1	1	A1-1'	5/4/2016	108-88-3	Toluene	ND	µg/kg	1
A2	1	A2-1'	5/4/2016	108-88-3	Toluene	ND	µg/kg	1
A3	1	A3-1'	5/4/2016	108-88-3	Toluene	ND	µg/kg	1
A4	1	A4-1'	5/4/2016	108-88-3	Toluene	ND	µg/kg	1
A5B	1	A5B-1'	5/4/2016	108-88-3	Toluene	ND	µg/kg	1
A6	1	A6-1'	5/5/2016	108-88-3	Toluene	ND	µg/kg	1
A7	1	A7-1'	5/5/2016	108-88-3	Toluene	ND	µg/kg	1
A8	1	A8-1'	5/5/2016	108-88-3	Toluene	ND	µg/kg	1
A9	1	A9-1'	5/5/2016	108-88-3	Toluene	ND	µg/kg	1
A10	1	A10-1'	5/5/2016	108-88-3	Toluene	ND	µg/kg	1
A11	1	A11-1'	5/5/2016	108-88-3	Toluene	ND	µg/kg	1
A12	1	A12-1'	5/5/2016	108-88-3	Toluene	ND	µg/kg	1
A13	1	A13-1'	5/5/2016	108-88-3	Toluene	ND	µg/kg	1
B1	1	B1-1'	5/4/2016	108-88-3	Toluene	ND	µg/kg	1
B2	1	B2-1'	5/5/2016	108-88-3	Toluene	ND	µg/kg	1
B3	1	B3-1'	5/4/2016	108-88-3	Toluene	ND	µg/kg	1
B4	1	B4-1'	5/4/2016	108-88-3	Toluene	ND	µg/kg	1
B5	1	B5-1'	5/4/2016	108-88-3	Toluene	ND	µg/kg	1
B6	1	B6-1'	5/4/2016	108-88-3	Toluene	ND	µg/kg	1
B7	1	B7-1'	5/5/2016	108-88-3	Toluene	ND	µg/kg	1
B8	1	B8-1'	5/5/2016	108-88-3	Toluene	ND	µg/kg	1
B9	1	B9-1'	5/5/2016	108-88-3	Toluene	ND	µg/kg	1
B10	1	B10-1'	5/7/2016	108-88-3	Toluene	ND	µg/kg	1
B11	1	B11-1'	5/5/2016	108-88-3	Toluene	ND	µg/kg	1
B12	1	B12-1'	5/5/2016	108-88-3	Toluene	ND	µg/kg	1
B13	1	B13-1'	5/6/2016	108-88-3	Toluene	ND	µg/kg	1
B14	1	B14-1'	5/6/2016	108-88-3	Toluene	ND	µg/kg	1
B15	1	B15-1'	5/6/2016	108-88-3	Toluene	ND	µg/kg	1
LB1	1	LB1-1'	5/6/2016	108-88-3	Toluene	ND	µg/kg	1
LB2	1	LB2-1'	5/6/2016	108-88-3	Toluene	ND	µg/kg	1
LB3	1	LB3-1'	5/6/2016	108-88-3	Toluene	ND	µg/kg	1
LB4	1	LB4-1'	5/5/2016	108-88-3	Toluene	ND	µg/kg	1
LB5	1	LB5-1'	5/5/2016	108-88-3	Toluene	ND	µg/kg	1
LB6	1	LB6-1'	5/5/2016	108-88-3	Toluene	ND	µg/kg	1
LB7	1	LB7-1'	5/5/2016	108-88-3	Toluene	ND	µg/kg	1
LB8	1	LB8-1'	5/5/2016	108-88-3	Toluene	ND	µg/kg	1
A5	1.25	A5-1.25'	5/4/2016	108-88-3	Toluene	ND	µg/kg	1
A7	3.5	A7-3.5'	5/5/2016	108-88-3	Toluene	ND	µg/kg	1
B15	4	B15-4'	5/6/2016	108-88-3	Toluene	ND	µg/kg	1
A1	4.5	A1-4.5'	5/4/2016	108-88-3	Toluene	ND	µg/kg	1
A2	4.5	A2-4.5'	5/4/2016	108-88-3	Toluene	ND	µg/kg	1
A3	4.5	A3-4.5'	5/4/2016	108-88-3	Toluene	ND	µg/kg	1
A4	4.5	A4-4.5'	5/4/2016	108-88-3	Toluene	ND	µg/kg	1

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
A5	4.5	A5-4.5'	5/4/2016	108-88-3	Toluene	ND	µg/kg	1
A5B	4.5	A5B-4.5'	5/4/2016	108-88-3	Toluene	ND	µg/kg	1
A6	4.5	A6-4.5'	5/5/2016	108-88-3	Toluene	ND	µg/kg	1
A8	4.5	A8-4.5'	5/5/2016	108-88-3	Toluene	ND	µg/kg	1
A9	4.5	A9-4.5'	5/5/2016	108-88-3	Toluene	ND	µg/kg	1
A11	4.5	A11-4.5'	5/5/2016	108-88-3	Toluene	ND	µg/kg	1
B1	4.5	B1-4.5'	5/4/2016	108-88-3	Toluene	ND	µg/kg	1
B2	4.5	B2-4.5'	5/5/2016	108-88-3	Toluene	ND	µg/kg	1
B3	4.5	B3-4.5'	5/4/2016	108-88-3	Toluene	ND	µg/kg	1
B4	4.5	B4-4.5'	5/4/2016	108-88-3	Toluene	ND	µg/kg	1
B5	4.5	B5-4.5'	5/4/2016	108-88-3	Toluene	ND	µg/kg	1
B6	4.5	B6-4.5'	5/4/2016	108-88-3	Toluene	ND	µg/kg	1
B7	4.5	B7-4.5'	5/5/2016	108-88-3	Toluene	ND	µg/kg	1
B8	4.5	B8-4.5'	5/5/2016	108-88-3	Toluene	ND	µg/kg	1
B9	4.5	B9-4.5'	5/5/2016	108-88-3	Toluene	ND	µg/kg	1
B10	4.5	B10-4.5'	5/5/2016	108-88-3	Toluene	ND	µg/kg	1
B11	4.5	B11-4.5'	5/5/2016	108-88-3	Toluene	ND	µg/kg	1
LB	4.5	LB-4.5'	5/6/2016	108-88-3	Toluene	ND	µg/kg	1
LB1	4.5	LB1-4.5'	5/6/2016	108-88-3	Toluene	ND	µg/kg	1
LB3	4.5	LB3-4.5'	5/6/2016	108-88-3	Toluene	ND	µg/kg	1
LB4	4.5	LB4-4.5'	5/5/2016	108-88-3	Toluene	ND	µg/kg	1
LB5	4.5	LB5-4.5'	5/5/2016	108-88-3	Toluene	ND	µg/kg	1
A12	5	A12-5'	5/5/2016	108-88-3	Toluene	ND	µg/kg	1
A13	5	A13-5'	5/5/2016	108-88-3	Toluene	ND	µg/kg	1
B12	5	B12-5'	5/5/2016	108-88-3	Toluene	ND	µg/kg	1
B13	5	B13-5'	5/6/2016	108-88-3	Toluene	ND	µg/kg	1
B14	5	B14-5'	5/8/2016	108-88-3	Toluene	ND	µg/kg	1
LB6	5	LB6-5'	5/5/2016	108-88-3	Toluene	ND	µg/kg	1
LB7	5	LB7-5'	5/5/2016	108-88-3	Toluene	ND	µg/kg	1
LB8	5	LB8-5'	5/5/2016	108-88-3	Toluene	ND	µg/kg	1
A1	8.5	A1-8.5'	5/4/2016	108-88-3	Toluene	ND	µg/kg	1
A2	8.5	A2-8.5'	5/4/2016	108-88-3	Toluene	ND	µg/kg	1
A3	8.5	A3-8.5'	5/4/2016	108-88-3	Toluene	ND	µg/kg	1
A4	8.5	A4-8.5'	5/4/2016	108-88-3	Toluene	ND	µg/kg	1
A5B	8.5	A5B-8.5'	5/4/2016	108-88-3	Toluene	ND	µg/kg	1
A6	8.5	A6-8.5'	5/5/2016	108-88-3	Toluene	ND	µg/kg	1
A7	8.5	A7-8.5'	5/5/2016	108-88-3	Toluene	ND	µg/kg	1
A8	8.5	A8-8.5'	5/5/2016	108-88-3	Toluene	ND	µg/kg	1
A9	8.5	A9-8.5'	5/5/2016	108-88-3	Toluene	ND	µg/kg	1
A11	8.5	A11-8.5'	5/5/2016	108-88-3	Toluene	ND	µg/kg	1
B1	8.5	B1-8.5'	5/4/2016	108-88-3	Toluene	ND	µg/kg	1
B2	8.5	B2-8.5'	5/5/2016	108-88-3	Toluene	ND	µg/kg	1
B3	8.5	B3-8.5'	5/4/2016	108-88-3	Toluene	ND	µg/kg	1
B4	8.5	B4-8.5'	5/4/2016	108-88-3	Toluene	ND	µg/kg	1
B5	8.5	B5-8.5'	5/4/2016	108-88-3	Toluene	ND	µg/kg	1
B6	8.5	B6-8.5'	5/4/2016	108-88-3	Toluene	ND	µg/kg	1
B7	8.5	B7-8.5'	5/5/2016	108-88-3	Toluene	ND	µg/kg	1
B8	8.5	B8-8.5'	5/5/2016	108-88-3	Toluene	ND	µg/kg	1
B9	8.5	B9-8.5'	5/5/2016	108-88-3	Toluene	ND	µg/kg	1
B10	8.5	B10-8.5'	5/5/2016	108-88-3	Toluene	ND	µg/kg	1
B11	8.5	B11-8.5'	5/5/2016	108-88-3	Toluene	ND	µg/kg	1
LB1	8.5	LB1-8.5'	5/6/2016	108-88-3	Toluene	ND	µg/kg	1

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
LB2	8.5	LB2-8.5'	5/6/2016	108-88-3	Toluene	ND	µg/kg	1
LB3	8.5	LB3-8.5'	5/6/2016	108-88-3	Toluene	ND	µg/kg	1
LB4	8.5	LB4-8.5'	5/5/2016	108-88-3	Toluene	ND	µg/kg	1
LB5	8.5	LB5-8.5'	5/5/2016	108-88-3	Toluene	ND	µg/kg	1
A12	11	A12-11'	5/5/2016	108-88-3	Toluene	ND	µg/kg	1
A13	11	A13-11'	5/5/2016	108-88-3	Toluene	ND	µg/kg	1
B12	11	B12-11'	5/5/2016	108-88-3	Toluene	ND	µg/kg	1
B13	11	B13-11'	5/6/2016	108-88-3	Toluene	ND	µg/kg	1
B14	11	B14-11'	5/6/2016	108-88-3	Toluene	ND	µg/kg	1
LB6	11	LB6-11'	5/5/2016	108-88-3	Toluene	ND	µg/kg	1
LB7	11	LB7-11'	5/5/2016	108-88-3	Toluene	ND	µg/kg	1
LB8	11	LB8-11'	5/5/2016	108-88-3	Toluene	ND	µg/kg	1
LB3	1D	LB3-1'-D	5/6/2016	108-88-3	Toluene	ND	µg/kg	1
LB5	1D	LB5-1D	5/5/2016	108-88-3	Toluene	ND	µg/kg	1
B4	4.5D	B4-4.5D	5/4/2016	108-88-3	Toluene	ND	µg/kg	1
B12	5D	B12-5'D	5/5/2016	108-88-3	Toluene	ND	µg/kg	1
A3	8.5D	A3-8.5'-D	5/4/2016	108-88-3	Toluene	ND	µg/kg	1
A11	8.5D	A11-8.5'-D	5/5/2016	108-88-3	Toluene	ND	µg/kg	1
B8	8.5D	B8-8.5D	5/5/2016	108-88-3	Toluene	ND	µg/kg	1
NP-3	12	NP-3-12	10/10/2017	108-88-3	Toluene	ND	µg/kg	0.52
NP-2	6	NP-2-6	10/9/2017	108-88-3	Toluene	ND	µg/kg	0.5
NP-1	12	NP-1-12	10/9/2017	108-88-3	Toluene	ND	µg/kg	0.38
B12	1	B12-1'	5/5/2016	N/A	TPH Gasoline Range	ND	µg/kg	1
A8	4.5	A8-4.5'	5/5/2016	N/A	TPH Gasoline Range	ND	µg/kg	1
B8	8.5D	B8-8.5D	5/5/2016	N/A	TPH Gasoline Range	ND	µg/kg	1
A5B	1	A5B-1'	5/4/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
A6	1	A6-1'	5/5/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
A7	1	A7-1'	5/5/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
A8	1	A8-1'	5/5/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
A9	1	A9-1'	5/5/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
A10	1	A10-1'	5/5/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
A11	1	A11-1'	5/5/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
A12	1	A12-1'	5/5/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
A13	1	A13-1'	5/5/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
B2	1	B2-1'	5/5/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
B6	1	B6-1'	5/4/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
B7	1	B7-1'	5/5/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
B8	1	B8-1'	5/5/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
B9	1	B9-1'	5/5/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
B10	1	B10-1'	5/7/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
B11	1	B11-1'	5/5/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
B13	1	B13-1'	5/6/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
B14	1	B14-1'	5/6/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
B15	1	B15-1'	5/6/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
LB1	1	LB1-1'	5/6/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
LB2	1	LB2-1'	5/6/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
LB3	1	LB3-1'	5/6/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
LB4	1	LB4-1'	5/5/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
LB5	1	LB5-1'	5/5/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
LB6	1	LB6-1'	5/5/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
LB7	1	LB7-1'	5/5/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
LB8	1	LB8-1'	5/5/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
A5	1.25	A5-1.25'	5/4/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
A7	3.5	A7-3.5'	5/5/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
B15	4	B15-4'	5/6/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
A5	4.5	A5-4.5'	5/4/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
A5B	4.5	A5B-4.5'	5/4/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
A6	4.5	A6-4.5'	5/5/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
A9	4.5	A9-4.5'	5/5/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
A11	4.5	A11-4.5'	5/5/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
B2	4.5	B2-4.5'	5/5/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
B6	4.5	B6-4.5'	5/4/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
B7	4.5	B7-4.5'	5/5/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
B8	4.5	B8-4.5'	5/5/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
B9	4.5	B9-4.5'	5/5/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
B10	4.5	B10-4.5'	5/5/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
B11	4.5	B11-4.5'	5/5/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
LB	4.5	LB-4.5'	5/6/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
LB1	4.5	LB1-4.5'	5/6/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
LB3	4.5	LB3-4.5'	5/6/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
LB4	4.5	LB4-4.5'	5/5/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
LB5	4.5	LB5-4.5'	5/5/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
A12	5	A12-5'	5/5/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
A13	5	A13-5'	5/5/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
B12	5	B12-5'	5/5/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
B13	5	B13-5'	5/6/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
B14	5	B14-5'	5/8/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
B15	5	B15-5'	5/6/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
LB6	5	LB6-5'	5/5/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
LB7	5	LB7-5'	5/5/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
LB8	5	LB8-5'	5/5/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
A5B	8.5	A5B-8.5'	5/4/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
A6	8.5	A6-8.5'	5/5/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
A7	8.5	A7-8.5'	5/5/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
A8	8.5	A8-8.5'	5/5/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
A9	8.5	A9-8.5'	5/5/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
A11	8.5	A11-8.5'	5/5/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
B2	8.5	B2-8.5'	5/5/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
B6	8.5	B6-8.5'	5/4/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
B7	8.5	B7-8.5'	5/5/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
B8	8.5	B8-8.5'	5/5/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
B9	8.5	B9-8.5'	5/5/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
B10	8.5	B10-8.5'	5/5/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
B11	8.5	B11-8.5'	5/5/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
LB1	8.5	LB1-8.5'	5/6/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
LB2	8.5	LB2-8.5'	5/6/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
LB3	8.5	LB3-8.5'	5/6/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
LB4	8.5	LB4-8.5'	5/5/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
LB5	8.5	LB5-8.5'	5/5/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
A12	11	A12-11'	5/5/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
A13	11	A13-11'	5/5/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
B12	11	B12-11'	5/5/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
B13	11	B13-11'	5/6/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
B14	11	B14-11'	5/6/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
LB6	11	LB6-11'	5/5/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
LB7	11	LB7-11'	5/5/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
LB8	11	LB8-11'	5/5/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
LB3	1D	LB3-1'-D	5/6/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
LB5	1D	LB5-1D	5/5/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
B12	5D	B12-5'D	5/5/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
A11	8.5D	A11-8.5'-D	5/5/2016	N/A	TPH Gasoline Range	ND	µg/kg	0.2
NP-4	10	NP-4-10	10/11/2017	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	25
B4	1	B4-1'	5/4/2016	156-60-5	trans-1,2-Dichloroethene	2.3	µg/kg	1
A1	1	A1-1'	5/4/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
A2	1	A2-1'	5/4/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
A3	1	A3-1'	5/4/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
A4	1	A4-1'	5/4/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
A5B	1	A5B-1'	5/4/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
A6	1	A6-1'	5/5/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
A7	1	A7-1'	5/5/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
A8	1	A8-1'	5/5/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
A9	1	A9-1'	5/5/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
A10	1	A10-1'	5/5/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
A11	1	A11-1'	5/5/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
A12	1	A12-1'	5/5/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
A13	1	A13-1'	5/5/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
B1	1	B1-1'	5/4/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
B2	1	B2-1'	5/5/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
B3	1	B3-1'	5/4/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
B5	1	B5-1'	5/4/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
B6	1	B6-1'	5/4/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
B7	1	B7-1'	5/5/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
B8	1	B8-1'	5/5/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
B9	1	B9-1'	5/5/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
B10	1	B10-1'	5/7/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
B11	1	B11-1'	5/5/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
B12	1	B12-1'	5/5/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
B13	1	B13-1'	5/6/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
B14	1	B14-1'	5/6/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
B15	1	B15-1'	5/6/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
LB1	1	LB1-1'	5/6/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
LB2	1	LB2-1'	5/6/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
LB3	1	LB3-1'	5/6/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
LB4	1	LB4-1'	5/5/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
LB5	1	LB5-1'	5/5/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
LB6	1	LB6-1'	5/5/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
LB7	1	LB7-1'	5/5/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
LB8	1	LB8-1'	5/5/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
A5	1.25	A5-1.25'	5/4/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
A7	3.5	A7-3.5'	5/5/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
B15	4	B15-4'	5/6/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
A1	4.5	A1-4.5'	5/4/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
A2	4.5	A2-4.5'	5/4/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
A3	4.5	A3-4.5'	5/4/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
A4	4.5	A4-4.5'	5/4/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
A5	4.5	A5-4.5'	5/4/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
A5B	4.5	A5B-4.5'	5/4/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
A6	4.5	A6-4.5'	5/5/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
A8	4.5	A8-4.5'	5/5/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
A9	4.5	A9-4.5'	5/5/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
A11	4.5	A11-4.5'	5/5/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
B1	4.5	B1-4.5'	5/4/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
B2	4.5	B2-4.5'	5/5/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
B3	4.5	B3-4.5'	5/4/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
B4	4.5	B4-4.5'	5/4/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
B5	4.5	B5-4.5'	5/4/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
B6	4.5	B6-4.5'	5/4/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
B7	4.5	B7-4.5'	5/5/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
B8	4.5	B8-4.5'	5/5/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
B9	4.5	B9-4.5'	5/5/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
B10	4.5	B10-4.5'	5/5/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
B11	4.5	B11-4.5'	5/5/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
LB	4.5	LB-4.5'	5/6/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
LB1	4.5	LB1-4.5'	5/6/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
LB3	4.5	LB3-4.5'	5/6/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
LB4	4.5	LB4-4.5'	5/5/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
LB5	4.5	LB5-4.5'	5/5/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
A12	5	A12-5'	5/5/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
A13	5	A13-5'	5/5/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
B12	5	B12-5'	5/5/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
B13	5	B13-5'	5/6/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
B14	5	B14-5'	5/8/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
B15	5	B15-5'	5/6/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
LB6	5	LB6-5'	5/5/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
LB7	5	LB7-5'	5/5/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
LB8	5	LB8-5'	5/5/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
A1	8.5	A1-8.5'	5/4/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
A2	8.5	A2-8.5'	5/4/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
A3	8.5	A3-8.5'	5/4/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
A4	8.5	A4-8.5'	5/4/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
A5B	8.5	A5B-8.5'	5/4/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
A6	8.5	A6-8.5'	5/5/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
A7	8.5	A7-8.5'	5/5/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
A8	8.5	A8-8.5'	5/5/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
A9	8.5	A9-8.5'	5/5/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
A11	8.5	A11-8.5'	5/5/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
B1	8.5	B1-8.5'	5/4/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
B2	8.5	B2-8.5'	5/5/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
B3	8.5	B3-8.5'	5/4/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
B4	8.5	B4-8.5'	5/4/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
B5	8.5	B5-8.5'	5/4/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
B6	8.5	B6-8.5'	5/4/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
B7	8.5	B7-8.5'	5/5/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
B8	8.5	B8-8.5'	5/5/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
B9	8.5	B9-8.5'	5/5/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
B10	8.5	B10-8.5'	5/5/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
B11	8.5	B11-8.5'	5/5/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
LB1	8.5	LB1-8.5'	5/6/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
LB2	8.5	LB2-8.5'	5/6/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
LB3	8.5	LB3-8.5'	5/6/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
LB4	8.5	LB4-8.5'	5/5/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
LB5	8.5	LB5-8.5'	5/5/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
A12	11	A12-11'	5/5/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
A13	11	A13-11'	5/5/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
B12	11	B12-11'	5/5/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
B13	11	B13-11'	5/6/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
B14	11	B14-11'	5/6/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
LB6	11	LB6-11'	5/5/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
LB7	11	LB7-11'	5/5/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
LB8	11	LB8-11'	5/5/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
LB3	1D	LB3-1'-D	5/6/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
LB5	1D	LB5-1D	5/5/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
B4	4.5D	B4-4.5D	5/4/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
B12	5D	B12-5'D	5/5/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
A3	8.5D	A3-8.5'-D	5/4/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
A11	8.5D	A11-8.5'-D	5/5/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
B8	8.5D	B8-8.5D	5/5/2016	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	1
NP-3	12	NP-3-12	10/10/2017	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	0.51
NP-2	6	NP-2-6	10/9/2017	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	0.49
NP-1	12	NP-1-12	10/9/2017	156-60-5	trans-1,2-Dichloroethene	ND	µg/kg	0.37
NP-4	10	NP-4-10	10/11/2017	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	29
A1	1	A1-1'	5/4/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
A2	1	A2-1'	5/4/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
A3	1	A3-1'	5/4/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
A4	1	A4-1'	5/4/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
A5B	1	A5B-1'	5/4/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
A6	1	A6-1'	5/5/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
A7	1	A7-1'	5/5/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
A8	1	A8-1'	5/5/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
A9	1	A9-1'	5/5/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
A10	1	A10-1'	5/5/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
A11	1	A11-1'	5/5/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
A12	1	A12-1'	5/5/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
A13	1	A13-1'	5/5/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
B1	1	B1-1'	5/4/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
B2	1	B2-1'	5/5/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
B3	1	B3-1'	5/4/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
B4	1	B4-1'	5/4/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
B5	1	B5-1'	5/4/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
B6	1	B6-1'	5/4/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
B7	1	B7-1'	5/5/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
B8	1	B8-1'	5/5/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
B9	1	B9-1'	5/5/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
B10	1	B10-1'	5/7/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
B11	1	B11-1'	5/5/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
B12	1	B12-1'	5/5/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
B13	1	B13-1'	5/6/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
B14	1	B14-1'	5/6/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
B15	1	B15-1'	5/6/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
LB1	1	LB1-1'	5/6/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
LB2	1	LB2-1'	5/6/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
LB3	1	LB3-1'	5/6/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
LB4	1	LB4-1'	5/5/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
LB5	1	LB5-1'	5/5/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
LB6	1	LB6-1'	5/5/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
LB7	1	LB7-1'	5/5/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
LB8	1	LB8-1'	5/5/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
A5	1.25	A5-1.25'	5/4/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
A7	3.5	A7-3.5'	5/5/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
B15	4	B15-4'	5/6/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
A1	4.5	A1-4.5'	5/4/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
A2	4.5	A2-4.5'	5/4/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
A3	4.5	A3-4.5'	5/4/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
A4	4.5	A4-4.5'	5/4/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
A5	4.5	A5-4.5'	5/4/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
A5B	4.5	A5B-4.5'	5/4/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
A6	4.5	A6-4.5'	5/5/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
A8	4.5	A8-4.5'	5/5/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
A9	4.5	A9-4.5'	5/5/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
A11	4.5	A11-4.5'	5/5/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
B1	4.5	B1-4.5'	5/4/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
B2	4.5	B2-4.5'	5/5/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
B3	4.5	B3-4.5'	5/4/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
B4	4.5	B4-4.5'	5/4/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
B5	4.5	B5-4.5'	5/4/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
B6	4.5	B6-4.5'	5/4/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
B7	4.5	B7-4.5'	5/5/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
B8	4.5	B8-4.5'	5/5/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
B9	4.5	B9-4.5'	5/5/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
B10	4.5	B10-4.5'	5/5/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
B11	4.5	B11-4.5'	5/5/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
LB	4.5	LB-4.5'	5/6/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
LB1	4.5	LB1-4.5'	5/6/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
LB3	4.5	LB3-4.5'	5/6/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
LB4	4.5	LB4-4.5'	5/5/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
LB5	4.5	LB5-4.5'	5/5/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
A12	5	A12-5'	5/5/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
A13	5	A13-5'	5/5/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
B12	5	B12-5'	5/5/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
B13	5	B13-5'	5/6/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
B14	5	B14-5'	5/8/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
B15	5	B15-5'	5/6/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
LB6	5	LB6-5'	5/5/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
LB7	5	LB7-5'	5/5/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
LB8	5	LB8-5'	5/5/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
A1	8.5	A1-8.5'	5/4/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
A2	8.5	A2-8.5'	5/4/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
A3	8.5	A3-8.5'	5/4/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
A4	8.5	A4-8.5'	5/4/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
A5B	8.5	A5B-8.5'	5/4/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
A6	8.5	A6-8.5'	5/5/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
A7	8.5	A7-8.5'	5/5/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
A8	8.5	A8-8.5'	5/5/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
A9	8.5	A9-8.5'	5/5/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
A11	8.5	A11-8.5'	5/5/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
B1	8.5	B1-8.5'	5/4/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
B2	8.5	B2-8.5'	5/5/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
B3	8.5	B3-8.5'	5/4/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
B4	8.5	B4-8.5'	5/4/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
B5	8.5	B5-8.5'	5/4/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
B6	8.5	B6-8.5'	5/4/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
B7	8.5	B7-8.5'	5/5/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
B8	8.5	B8-8.5'	5/5/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
B9	8.5	B9-8.5'	5/5/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
B10	8.5	B10-8.5'	5/5/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
B11	8.5	B11-8.5'	5/5/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
LB1	8.5	LB1-8.5'	5/6/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
LB2	8.5	LB2-8.5'	5/6/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
LB3	8.5	LB3-8.5'	5/6/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
LB4	8.5	LB4-8.5'	5/5/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
LB5	8.5	LB5-8.5'	5/5/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
A12	11	A12-11'	5/5/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
A13	11	A13-11'	5/5/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
B12	11	B12-11'	5/5/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
B13	11	B13-11'	5/6/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
B14	11	B14-11'	5/6/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
LB6	11	LB6-11'	5/5/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
LB7	11	LB7-11'	5/5/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
LB8	11	LB8-11'	5/5/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
LB3	1D	LB3-1'-D	5/6/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
LB5	1D	LB5-1D	5/5/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
B4	4.5D	B4-4.5D	5/4/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
B12	5D	B12-5'D	5/5/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
A3	8.5D	A3-8.5'-D	5/4/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
A11	8.5D	A11-8.5'-D	5/5/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
B8	8.5D	B8-8.5D	5/5/2016	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	1
NP-3	12	NP-3-12	10/10/2017	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	0.61
NP-2	6	NP-2-6	10/9/2017	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	0.59
NP-1	12	NP-1-12	10/9/2017	10061-02-6	trans-1,3-Dichloropropene	ND	µg/kg	0.44
NP-4	10	NP-4-10	10/11/2017	79-01-6	Trichloroethene (TCE)	ND	µg/kg	15
NP-3	12	NP-3-12	10/10/2017	79-01-6	Trichloroethene (TCE)	0.31	µg/kg	0.3
NP-2	6	NP-2-6	10/9/2017	79-01-6	Trichloroethene (TCE)	ND	µg/kg	0.29
NP-1	12	NP-1-12	10/9/2017	79-01-6	Trichloroethene (TCE)	ND	µg/kg	0.22
A7	3.5	A7-3.5'	5/5/2016	79-01-6	Trichloroethylene	4800	µg/kg	23
B4	1	B4-1'	5/4/2016	79-01-6	Trichloroethylene	153	µg/kg	1
A7	1	A7-1'	5/5/2016	79-01-6	Trichloroethylene	64.7	µg/kg	1
B8	1	B8-1'	5/5/2016	79-01-6	Trichloroethylene	19.8	µg/kg	1
B7	4.5	B7-4.5'	5/5/2016	79-01-6	Trichloroethylene	13.6	µg/kg	1
A4	1	A4-1'	5/4/2016	79-01-6	Trichloroethylene	11.5	µg/kg	1
LB5	4.5	LB5-4.5'	5/5/2016	79-01-6	Trichloroethylene	5.3	µg/kg	1
A5	1.25	A5-1.25'	5/4/2016	79-01-6	Trichloroethylene	2.8	µg/kg	1
A4	8.5	A4-8.5'	5/4/2016	79-01-6	Trichloroethylene	2.7	µg/kg	1
A7	8.5	A7-8.5'	5/5/2016	79-01-6	Trichloroethylene	2.6	µg/kg	1
A8	1	A8-1'	5/5/2016	79-01-6	Trichloroethylene	2.1	µg/kg	1

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
LB8	1	LB8-1'	5/5/2016	79-01-6	Trichloroethylene	1.7	µg/kg	1
B7	1	B7-1'	5/5/2016	79-01-6	Trichloroethylene	1.6	µg/kg	1
B12	1	B12-1'	5/5/2016	79-01-6	Trichloroethylene	1.6	µg/kg	1
LB2	1	LB2-1'	5/6/2016	79-01-6	Trichloroethylene	1.4	µg/kg	1
B8	8.5D	B8-8.5D	5/5/2016	79-01-6	Trichloroethylene	1.3	µg/kg	1
B8	8.5	B8-8.5'	5/5/2016	79-01-6	Trichloroethylene	1.2	µg/kg	1
A1	1	A1-1'	5/4/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
A2	1	A2-1'	5/4/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
A3	1	A3-1'	5/4/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
A5B	1	A5B-1'	5/4/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
A6	1	A6-1'	5/5/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
A9	1	A9-1'	5/5/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
A10	1	A10-1'	5/5/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
A11	1	A11-1'	5/5/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
A12	1	A12-1'	5/5/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
A13	1	A13-1'	5/5/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
B1	1	B1-1'	5/4/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
B2	1	B2-1'	5/5/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
B3	1	B3-1'	5/4/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
B5	1	B5-1'	5/4/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
B6	1	B6-1'	5/4/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
B9	1	B9-1'	5/5/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
B10	1	B10-1'	5/7/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
B11	1	B11-1'	5/5/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
B13	1	B13-1'	5/6/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
B14	1	B14-1'	5/6/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
B15	1	B15-1'	5/6/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
LB1	1	LB1-1'	5/6/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
LB3	1	LB3-1'	5/6/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
LB4	1	LB4-1'	5/5/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
LB5	1	LB5-1'	5/5/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
LB6	1	LB6-1'	5/5/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
LB7	1	LB7-1'	5/5/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
B15	4	B15-4'	5/6/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
A1	4.5	A1-4.5'	5/4/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
A2	4.5	A2-4.5'	5/4/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
A3	4.5	A3-4.5'	5/4/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
A4	4.5	A4-4.5'	5/4/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
A5	4.5	A5-4.5'	5/4/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
A5B	4.5	A5B-4.5'	5/4/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
A6	4.5	A6-4.5'	5/5/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
A8	4.5	A8-4.5'	5/5/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
A9	4.5	A9-4.5'	5/5/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
A11	4.5	A11-4.5'	5/5/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
B1	4.5	B1-4.5'	5/4/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
B2	4.5	B2-4.5'	5/5/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
B3	4.5	B3-4.5'	5/4/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
B4	4.5	B4-4.5'	5/4/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
B5	4.5	B5-4.5'	5/4/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
B6	4.5	B6-4.5'	5/4/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
B8	4.5	B8-4.5'	5/5/2016	79-01-6	Trichloroethylene	1	µg/kg	1
B9	4.5	B9-4.5'	5/5/2016	79-01-6	Trichloroethylene	ND	µg/kg	1

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
B10	4.5	B10-4.5'	5/5/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
B11	4.5	B11-4.5'	5/5/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
LB	4.5	LB-4.5'	5/6/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
LB1	4.5	LB1-4.5'	5/6/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
LB3	4.5	LB3-4.5'	5/6/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
LB4	4.5	LB4-4.5'	5/5/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
A12	5	A12-5'	5/5/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
A13	5	A13-5'	5/5/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
B12	5	B12-5'	5/5/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
B13	5	B13-5'	5/6/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
B14	5	B14-5'	5/8/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
B15	5	B15-5'	5/6/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
LB6	5	LB6-5'	5/5/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
LB7	5	LB7-5'	5/5/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
LB8	5	LB8-5'	5/5/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
A1	8.5	A1-8.5'	5/4/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
A2	8.5	A2-8.5'	5/4/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
A3	8.5	A3-8.5'	5/4/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
A5B	8.5	A5B-8.5'	5/4/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
A6	8.5	A6-8.5'	5/5/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
A8	8.5	A8-8.5'	5/5/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
A9	8.5	A9-8.5'	5/5/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
A11	8.5	A11-8.5'	5/5/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
B1	8.5	B1-8.5'	5/4/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
B2	8.5	B2-8.5'	5/5/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
B3	8.5	B3-8.5'	5/4/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
B4	8.5	B4-8.5'	5/4/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
B5	8.5	B5-8.5'	5/4/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
B6	8.5	B6-8.5'	5/4/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
B7	8.5	B7-8.5'	5/5/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
B9	8.5	B9-8.5'	5/5/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
B10	8.5	B10-8.5'	5/5/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
B11	8.5	B11-8.5'	5/5/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
LB1	8.5	LB1-8.5'	5/6/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
LB2	8.5	LB2-8.5'	5/6/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
LB3	8.5	LB3-8.5'	5/6/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
LB4	8.5	LB4-8.5'	5/5/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
LB5	8.5	LB5-8.5'	5/5/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
A12	11	A12-11'	5/5/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
A13	11	A13-11'	5/5/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
B12	11	B12-11'	5/5/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
B13	11	B13-11'	5/6/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
B14	11	B14-11'	5/6/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
LB6	11	LB6-11'	5/5/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
LB7	11	LB7-11'	5/5/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
LB8	11	LB8-11'	5/5/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
LB3	1D	LB3-1'-D	5/6/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
LB5	1D	LB5-1D	5/5/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
B4	4.5D	B4-4.5D	5/4/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
B12	5D	B12-5'D	5/5/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
A3	8.5D	A3-8.5'-D	5/4/2016	79-01-6	Trichloroethylene	ND	µg/kg	1
A11	8.5D	A11-8.5'-D	5/5/2016	79-01-6	Trichloroethylene	ND	µg/kg	1

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
A1	1	A1-1'	5/4/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
A2	1	A2-1'	5/4/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
A3	1	A3-1'	5/4/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
A4	1	A4-1'	5/4/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
A5B	1	A5B-1'	5/4/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
A6	1	A6-1'	5/5/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
A7	1	A7-1'	5/5/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
A8	1	A8-1'	5/5/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
A9	1	A9-1'	5/5/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
A10	1	A10-1'	5/5/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
A11	1	A11-1'	5/5/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
A12	1	A12-1'	5/5/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
A13	1	A13-1'	5/5/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
B1	1	B1-1'	5/4/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
B2	1	B2-1'	5/5/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
B3	1	B3-1'	5/4/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
B4	1	B4-1'	5/4/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
B5	1	B5-1'	5/4/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
B6	1	B6-1'	5/4/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
B7	1	B7-1'	5/5/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
B8	1	B8-1'	5/5/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
B9	1	B9-1'	5/5/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
B10	1	B10-1'	5/7/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
B11	1	B11-1'	5/5/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
B13	1	B13-1'	5/6/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
B14	1	B14-1'	5/6/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
B15	1	B15-1'	5/6/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
LB1	1	LB1-1'	5/6/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
LB2	1	LB2-1'	5/6/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
LB3	1	LB3-1'	5/6/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
LB4	1	LB4-1'	5/5/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
LB5	1	LB5-1'	5/5/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
LB6	1	LB6-1'	5/5/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
LB7	1	LB7-1'	5/5/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
LB8	1	LB8-1'	5/5/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
A5	1.25	A5-1.25'	5/4/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
A7	3.5	A7-3.5'	5/5/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
B15	4	B15-4'	5/6/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
A1	4.5	A1-4.5'	5/4/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
A2	4.5	A2-4.5'	5/4/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
A3	4.5	A3-4.5'	5/4/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
A4	4.5	A4-4.5'	5/4/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
A5	4.5	A5-4.5'	5/4/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
A5B	4.5	A5B-4.5'	5/4/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
A6	4.5	A6-4.5'	5/5/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
A9	4.5	A9-4.5'	5/5/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
A11	4.5	A11-4.5'	5/5/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
B1	4.5	B1-4.5'	5/4/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
B2	4.5	B2-4.5'	5/5/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
B3	4.5	B3-4.5'	5/4/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
B4	4.5	B4-4.5'	5/4/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
B5	4.5	B5-4.5'	5/4/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
B6	4.5	B6-4.5'	5/4/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
B7	4.5	B7-4.5'	5/5/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
B8	4.5	B8-4.5'	5/5/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
B9	4.5	B9-4.5'	5/5/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
B10	4.5	B10-4.5'	5/5/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
B11	4.5	B11-4.5'	5/5/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
LB	4.5	LB-4.5'	5/6/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
LB1	4.5	LB1-4.5'	5/6/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
LB3	4.5	LB3-4.5'	5/6/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
LB4	4.5	LB4-4.5'	5/5/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
LB5	4.5	LB5-4.5'	5/5/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
A12	5	A12-5'	5/5/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
A13	5	A13-5'	5/5/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
B12	5	B12-5'	5/5/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
B13	5	B13-5'	5/6/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
B14	5	B14-5'	5/8/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
B15	5	B15-5'	5/6/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
LB6	5	LB6-5'	5/5/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
LB7	5	LB7-5'	5/5/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
LB8	5	LB8-5'	5/5/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
A1	8.5	A1-8.5'	5/4/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
A2	8.5	A2-8.5'	5/4/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
A3	8.5	A3-8.5'	5/4/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
A4	8.5	A4-8.5'	5/4/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
A5B	8.5	A5B-8.5'	5/4/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
A6	8.5	A6-8.5'	5/5/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
A7	8.5	A7-8.5'	5/5/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
A8	8.5	A8-8.5'	5/5/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
A9	8.5	A9-8.5'	5/5/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
A11	8.5	A11-8.5'	5/5/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
B1	8.5	B1-8.5'	5/4/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
B2	8.5	B2-8.5'	5/5/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
B3	8.5	B3-8.5'	5/4/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
B4	8.5	B4-8.5'	5/4/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
B5	8.5	B5-8.5'	5/4/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
B6	8.5	B6-8.5'	5/4/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
B7	8.5	B7-8.5'	5/5/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
B8	8.5	B8-8.5'	5/5/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
B9	8.5	B9-8.5'	5/5/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
B10	8.5	B10-8.5'	5/5/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
B11	8.5	B11-8.5'	5/5/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
LB1	8.5	LB1-8.5'	5/6/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
LB2	8.5	LB2-8.5'	5/6/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
LB3	8.5	LB3-8.5'	5/6/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
LB4	8.5	LB4-8.5'	5/5/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
LB5	8.5	LB5-8.5'	5/5/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
A12	11	A12-11'	5/5/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
A13	11	A13-11'	5/5/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
B12	11	B12-11'	5/5/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
B13	11	B13-11'	5/6/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
B14	11	B14-11'	5/6/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
LB6	11	LB6-11'	5/5/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
LB7	11	LB7-11'	5/5/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
LB8	11	LB8-11'	5/5/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
LB3	1D	LB3-1'-D	5/6/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
LB5	1D	LB5-1D	5/5/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
B4	4.5D	B4-4.5D	5/4/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
B12	5D	B12-5'D	5/5/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
A3	8.5D	A3-8.5'-D	5/4/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
A11	8.5D	A11-8.5'-D	5/5/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	5
B12	1	B12-1'	5/5/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	1
A8	4.5	A8-4.5'	5/5/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	1
B8	8.5D	B8-8.5D	5/5/2016	75-69-4	Trichlorofluoromethane	ND	µg/kg	1
SS-3	10	SS-3-10	6/28/2012	7440-62-2	Vanadium	44.5	mg/kg	0.25
SS-6	10	SS-6-10	6/28/2012	7440-62-2	Vanadium	37.8	mg/kg	0.25
SS-2	10	SS-2-10	6/28/2012	7440-62-2	Vanadium	31.1	mg/kg	0.25
LB2	4.5	LB2-4.5'	5/6/2016	7440-62-2	Vanadium, V	83.8	mg/kg	0.5
A1	8.5	A1-8.5'	5/4/2016	7440-62-2	Vanadium, V	78.4	mg/kg	0.5
A12	11	A12-11'	5/5/2016	7440-62-2	Vanadium, V	77.9	mg/kg	0.5
B13	5	B13-5'	5/6/2016	7440-62-2	Vanadium, V	75.3	mg/kg	0.5
LB6	1	LB6-1'	5/5/2016	7440-62-2	Vanadium, V	75.1	mg/kg	0.5
A13	5	A13-5'	5/5/2016	7440-62-2	Vanadium, V	75.1	mg/kg	0.5
A12	5	A12-5'	5/5/2016	7440-62-2	Vanadium, V	75	mg/kg	0.5
LB8	5	LB8-5'	5/5/2016	7440-62-2	Vanadium, V	74.6	mg/kg	0.5
A8	4.5	A8-4.5'	5/5/2016	7440-62-2	Vanadium, V	74.4	mg/kg	0.5
B12	1	B12-1'	5/5/2016	7440-62-2	Vanadium, V	73.1	mg/kg	0.5
A12	1	A12-1'	5/5/2016	7440-62-2	Vanadium, V	72.9	mg/kg	0.5
B12	5D	B12-5'D	5/5/2016	7440-62-2	Vanadium, V	72.9	mg/kg	0.5
B10	8.5	B10-8.5'	5/5/2016	7440-62-2	Vanadium, V	72.6	mg/kg	0.5
A1	4.5	A1-4.5'	5/4/2016	7440-62-2	Vanadium, V	71.9	mg/kg	0.5
B11	8.5	B11-8.5'	5/5/2016	7440-62-2	Vanadium, V	71.7	mg/kg	0.5
B13	11	B13-11'	5/6/2016	7440-62-2	Vanadium, V	71.1	mg/kg	0.5
LB5	8.5	LB5-8.5'	5/5/2016	7440-62-2	Vanadium, V	70.6	mg/kg	0.5
A3	4.5	A3-4.5'	5/4/2016	7440-62-2	Vanadium, V	70.4	mg/kg	0.5
A3	8.5	A3-8.5'	5/4/2016	7440-62-2	Vanadium, V	70.4	mg/kg	0.5
B12	11	B12-11'	5/5/2016	7440-62-2	Vanadium, V	70.3	mg/kg	0.5
B2	4.5	B2-4.5'	5/5/2016	7440-62-2	Vanadium, V	69.6	mg/kg	0.5
B15	4	B15-4'	5/6/2016	7440-62-2	Vanadium, V	69.2	mg/kg	0.5
A13	11	A13-11'	5/5/2016	7440-62-2	Vanadium, V	68.4	mg/kg	0.5
B12	5	B12-5'	5/5/2016	7440-62-2	Vanadium, V	68	mg/kg	0.5
A5	1.25	A5-1.25'	5/4/2016	7440-62-2	Vanadium, V	67.8	mg/kg	0.5
B6	8.5	B6-8.5'	5/4/2016	7440-62-2	Vanadium, V	67.3	mg/kg	0.5
A11	8.5	A11-8.5'	5/5/2016	7440-62-2	Vanadium, V	67	mg/kg	0.5
B10	4.5	B10-4.5'	5/5/2016	7440-62-2	Vanadium, V	66.7	mg/kg	0.5
A13	1	A13-1'	5/5/2016	7440-62-2	Vanadium, V	66.6	mg/kg	0.5
LB3	4.5	LB3-4.5'	5/6/2016	7440-62-2	Vanadium, V	66.3	mg/kg	0.5
A9	4.5	A9-4.5'	5/5/2016	7440-62-2	Vanadium, V	66.1	mg/kg	0.5
LB2	8.5	LB2-8.5'	5/6/2016	7440-62-2	Vanadium, V	65.6	mg/kg	0.5
LB6	5	LB6-5'	5/5/2016	7440-62-2	Vanadium, V	65.4	mg/kg	0.5
B13	1	B13-1'	5/6/2016	7440-62-2	Vanadium, V	65.3	mg/kg	0.5
B11	4.5	B11-4.5'	5/5/2016	7440-62-2	Vanadium, V	64.8	mg/kg	0.5
A7	8.5	A7-8.5'	5/5/2016	7440-62-2	Vanadium, V	64.8	mg/kg	0.5
LB8	11	LB8-11'	5/5/2016	7440-62-2	Vanadium, V	64.8	mg/kg	0.5
B8	4.5	B8-4.5'	5/5/2016	7440-62-2	Vanadium, V	64.3	mg/kg	0.5

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
B7	4.5	B7-4.5'	5/5/2016	7440-62-2	Vanadium, V	63.5	mg/kg	0.5
LB6	11	LB6-11'	5/5/2016	7440-62-2	Vanadium, V	63.2	mg/kg	0.5
LB3	1D	LB3-1'-D	5/6/2016	7440-62-2	Vanadium, V	63.1	mg/kg	0.5
B9	4.5	B9-4.5'	5/5/2016	7440-62-2	Vanadium, V	62.8	mg/kg	0.5
LB1	8.5	LB1-8.5'	5/6/2016	7440-62-2	Vanadium, V	62.5	mg/kg	0.5
LB7	5	LB7-5'	5/5/2016	7440-62-2	Vanadium, V	62.3	mg/kg	0.5
A11	1	A11-1'	5/5/2016	7440-62-2	Vanadium, V	62.2	mg/kg	0.5
B14	1	B14-1'	5/6/2016	7440-62-2	Vanadium, V	60.8	mg/kg	0.5
LB5	4.5	LB5-4.5'	5/5/2016	7440-62-2	Vanadium, V	59	mg/kg	0.5
B4	4.5	B4-4.5'	5/4/2016	7440-62-2	Vanadium, V	58.8	mg/kg	0.5
A7	1	A7-1'	5/5/2016	7440-62-2	Vanadium, V	58.3	mg/kg	0.5
LB8	1	LB8-1'	5/5/2016	7440-62-2	Vanadium, V	58.1	mg/kg	0.5
LB5	1	LB5-1'	5/5/2016	7440-62-2	Vanadium, V	57.7	mg/kg	0.5
A6	8.5	A6-8.5'	5/5/2016	7440-62-2	Vanadium, V	57.6	mg/kg	0.5
B1	8.5	B1-8.5'	5/4/2016	7440-62-2	Vanadium, V	57.5	mg/kg	0.5
B14	11	B14-11'	5/6/2016	7440-62-2	Vanadium, V	57.1	mg/kg	0.5
LB7	11	LB7-11'	5/5/2016	7440-62-2	Vanadium, V	56.9	mg/kg	0.5
B10	1	B10-1'	5/5/2016	7440-62-2	Vanadium, V	56.1	mg/kg	0.5
B9	8.5	B9-8.5'	5/5/2016	7440-62-2	Vanadium, V	56	mg/kg	0.5
A5B	8.5	A5B-8.5'	5/4/2016	7440-62-2	Vanadium, V	53.8	mg/kg	0.5
LB7	1	LB7-1'	5/5/2016	7440-62-2	Vanadium, V	53.4	mg/kg	0.5
A5B	4.5	A5B-4.5'	5/4/2016	7440-62-2	Vanadium, V	53.1	mg/kg	0.5
B5	8.5	B5-8.5'	5/4/2016	7440-62-2	Vanadium, V	52.9	mg/kg	0.5
B8	8.5	B8-8.5'	5/5/2016	7440-62-2	Vanadium, V	52.9	mg/kg	0.5
B6	1	B6-1'	5/4/2016	7440-62-2	Vanadium, V	52.8	mg/kg	0.5
A2	4.5	A2-4.5'	5/4/2016	7440-62-2	Vanadium, V	52.5	mg/kg	0.5
B3	1	B3-1'	5/4/2016	7440-62-2	Vanadium, V	51.7	mg/kg	0.5
LB1	4.5	LB1-4.5'	5/6/2016	7440-62-2	Vanadium, V	51.7	mg/kg	0.5
B2	1	B2-1'	5/5/2016	7440-62-2	Vanadium, V	50.6	mg/kg	0.5
B8	8.5D	B8-8.5D	5/5/2016	7440-62-2	Vanadium, V	50.5	mg/kg	0.5
B11	1	B11-1'	5/5/2016	7440-62-2	Vanadium, V	50	mg/kg	0.5
A5	4.5	A5-4.5'	5/4/2016	7440-62-2	Vanadium, V	49.9	mg/kg	0.5
A8	8.5	A8-8.5'	5/5/2016	7440-62-2	Vanadium, V	49.7	mg/kg	0.5
B3	4.5	B3-4.5'	5/4/2016	7440-62-2	Vanadium, V	49.4	mg/kg	0.5
B15	5	B15-5'	5/6/2016	7440-62-2	Vanadium, V	48.8	mg/kg	0.5
A10	1	A10-1'	5/5/2016	7440-62-2	Vanadium, V	47.9	mg/kg	0.5
A11	4.5	A11-4.5'	5/5/2016	7440-62-2	Vanadium, V	47.3	mg/kg	0.5
B1	1	B1-1'	5/4/2016	7440-62-2	Vanadium, V	47.2	mg/kg	0.5
A9	8.5	A9-8.5'	5/5/2016	7440-62-2	Vanadium, V	47.2	mg/kg	0.5
A5B	1	A5B-1'	5/4/2016	7440-62-2	Vanadium, V	46.9	mg/kg	0.5
LB1	1	LB1-1'	5/6/2016	7440-62-2	Vanadium, V	46.7	mg/kg	0.5
B3	8.5	B3-8.5'	5/4/2016	7440-62-2	Vanadium, V	46	mg/kg	0.5
A8	1	A8-1'	5/5/2016	7440-62-2	Vanadium, V	45.8	mg/kg	0.5
LB4	1	LB4-1'	5/5/2016	7440-62-2	Vanadium, V	45.8	mg/kg	0.5
A6	4.5	A6-4.5'	5/5/2016	7440-62-2	Vanadium, V	45.7	mg/kg	0.5
A9	1	A9-1'	5/5/2016	7440-62-2	Vanadium, V	45.2	mg/kg	0.5
B5	4.5	B5-4.5'	5/4/2016	7440-62-2	Vanadium, V	45	mg/kg	0.5
B4	1	B4-1'	5/4/2016	7440-62-2	Vanadium, V	44.3	mg/kg	0.5
LB4	4.5	LB4-4.5'	5/5/2016	7440-62-2	Vanadium, V	44.2	mg/kg	0.5
B2	8.5	B2-8.5'	5/5/2016	7440-62-2	Vanadium, V	43.3	mg/kg	0.5
B6	4.5	B6-4.5'	5/4/2016	7440-62-2	Vanadium, V	43.2	mg/kg	0.5
B1	4.5	B1-4.5'	5/4/2016	7440-62-2	Vanadium, V	42.9	mg/kg	0.5

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
LB4	8.5	LB4-8.5'	5/5/2016	7440-62-2	Vanadium, V	42.8	mg/kg	0.5
A11	8.5D	A11-8.5'-D	5/5/2016	7440-62-2	Vanadium, V	42.8	mg/kg	0.5
LB3	1	LB3-1'	5/6/2016	7440-62-2	Vanadium, V	41	mg/kg	0.5
A2	8.5	A2-8.5'	5/4/2016	7440-62-2	Vanadium, V	39.9	mg/kg	0.5
B14	5	B14-5'	5/6/2016	7440-62-2	Vanadium, V	38.7	mg/kg	0.5
A1	1	A1-1'	5/4/2016	7440-62-2	Vanadium, V	38.1	mg/kg	0.5
LB2	1	LB2-1'	5/6/2016	7440-62-2	Vanadium, V	37.5	mg/kg	0.5
B9	1	B9-1'	5/5/2016	7440-62-2	Vanadium, V	37.2	mg/kg	0.5
B4	8.5	B4-8.5'	5/4/2016	7440-62-2	Vanadium, V	37.2	mg/kg	0.5
A4	4.5	A4-4.5'	5/4/2016	7440-62-2	Vanadium, V	37	mg/kg	0.5
B7	8.5	B7-8.5'	5/5/2016	7440-62-2	Vanadium, V	33.8	mg/kg	0.5
A6	1	A6-1'	5/5/2016	7440-62-2	Vanadium, V	33.1	mg/kg	0.5
A4	8.5	A4-8.5'	5/4/2016	7440-62-2	Vanadium, V	31.8	mg/kg	0.5
LB5	1D	LB5-1D	5/5/2016	7440-62-2	Vanadium, V	31.8	mg/kg	0.5
B4	4.5D	B4-4.5D	5/4/2016	7440-62-2	Vanadium, V	29.2	mg/kg	0.5
B8	1	B8-1'	5/5/2016	7440-62-2	Vanadium, V	28.2	mg/kg	0.5
B5	1	B5-1'	5/4/2016	7440-62-2	Vanadium, V	27.4	mg/kg	0.5
LB3	8.5	LB3-8.5'	5/6/2016	7440-62-2	Vanadium, V	22	mg/kg	0.5
A3	8.5D	A3-8.5D	5/4/2016	7440-62-2	Vanadium, V	16.8	mg/kg	0.5
A7	3.5	A7-3.5'	5/5/2016	7440-62-2	Vanadium, V	11.3	mg/kg	0.5
NP-4	10	NP-4-10	10/11/2017	108-05-4	Vinyl Acetate	ND	µg/kg	230
NP-3	12	NP-3-12	10/10/2017	108-05-4	Vinyl Acetate	ND	µg/kg	4.7
NP-2	6	NP-2-6	10/9/2017	108-05-4	Vinyl Acetate	ND	µg/kg	4.6
NP-1	12	NP-1-12	10/9/2017	108-05-4	Vinyl Acetate	ND	µg/kg	3.5
NP-4	10	NP-4-10	10/11/2017	75-01-4	Vinyl Chloride	ND	µg/kg	24
A1	1	A1-1'	5/4/2016	75-01-4	Vinyl chloride	ND	µg/kg	1
A2	1	A2-1'	5/4/2016	75-01-4	Vinyl chloride	ND	µg/kg	1
A3	1	A3-1'	5/4/2016	75-01-4	Vinyl chloride	ND	µg/kg	1
A4	1	A4-1'	5/4/2016	75-01-4	Vinyl chloride	ND	µg/kg	1
A5B	1	A5B-1'	5/4/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
A6	1	A6-1'	5/5/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
A7	1	A7-1'	5/5/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
A8	1	A8-1'	5/5/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
A9	1	A9-1'	5/5/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
A10	1	A10-1'	5/5/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
A11	1	A11-1'	5/5/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
A12	1	A12-1'	5/5/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
A13	1	A13-1'	5/5/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
B1	1	B1-1'	5/4/2016	75-01-4	Vinyl chloride	ND	µg/kg	1
B2	1	B2-1'	5/5/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
B3	1	B3-1'	5/4/2016	75-01-4	Vinyl chloride	ND	µg/kg	1
B4	1	B4-1'	5/4/2016	75-01-4	Vinyl chloride	ND	µg/kg	1
B5	1	B5-1'	5/4/2016	75-01-4	Vinyl chloride	ND	µg/kg	1
B6	1	B6-1'	5/4/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
B7	1	B7-1'	5/5/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
B8	1	B8-1'	5/5/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
B9	1	B9-1'	5/5/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
B10	1	B10-1'	5/7/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
B11	1	B11-1'	5/5/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
B12	1	B12-1'	5/5/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
B13	1	B13-1'	5/6/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
B14	1	B14-1'	5/6/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
B15	1	B15-1'	5/6/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
LB1	1	LB1-1'	5/6/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
LB2	1	LB2-1'	5/6/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
LB3	1	LB3-1'	5/6/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
LB4	1	LB4-1'	5/5/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
LB5	1	LB5-1'	5/5/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
LB6	1	LB6-1'	5/5/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
LB7	1	LB7-1'	5/5/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
LB8	1	LB8-1'	5/5/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
A5	1.25	A5-1.25'	5/4/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
A7	3.5	A7-3.5'	5/5/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
B15	4	B15-4'	5/6/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
A1	4.5	A1-4.5'	5/4/2016	75-01-4	Vinyl chloride	ND	µg/kg	1
A2	4.5	A2-4.5'	5/4/2016	75-01-4	Vinyl chloride	ND	µg/kg	1
A3	4.5	A3-4.5'	5/4/2016	75-01-4	Vinyl chloride	ND	µg/kg	1
A4	4.5	A4-4.5'	5/4/2016	75-01-4	Vinyl chloride	ND	µg/kg	1
A5	4.5	A5-4.5'	5/4/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
A5B	4.5	A5B-4.5'	5/4/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
A6	4.5	A6-4.5'	5/5/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
A8	4.5	A8-4.5'	5/5/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
A9	4.5	A9-4.5'	5/5/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
A11	4.5	A11-4.5'	5/5/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
B1	4.5	B1-4.5'	5/4/2016	75-01-4	Vinyl chloride	ND	µg/kg	1
B2	4.5	B2-4.5'	5/5/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
B3	4.5	B3-4.5'	5/4/2016	75-01-4	Vinyl chloride	ND	µg/kg	1
B4	4.5	B4-4.5'	5/4/2016	75-01-4	Vinyl chloride	ND	µg/kg	1
B5	4.5	B5-4.5'	5/4/2016	75-01-4	Vinyl chloride	ND	µg/kg	1
B6	4.5	B6-4.5'	5/4/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
B7	4.5	B7-4.5'	5/5/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
B8	4.5	B8-4.5'	5/5/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
B9	4.5	B9-4.5'	5/5/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
B10	4.5	B10-4.5'	5/5/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
B11	4.5	B11-4.5'	5/5/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
LB	4.5	LB-4.5'	5/6/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
LB1	4.5	LB1-4.5'	5/6/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
LB3	4.5	LB3-4.5'	5/6/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
LB4	4.5	LB4-4.5'	5/5/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
LB5	4.5	LB5-4.5'	5/5/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
A12	5	A12-5'	5/5/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
A13	5	A13-5'	5/5/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
B12	5	B12-5'	5/5/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
B13	5	B13-5'	5/6/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
B14	5	B14-5'	5/8/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
B15	5	B15-5'	5/6/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
LB6	5	LB6-5'	5/5/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
LB7	5	LB7-5'	5/5/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
LB8	5	LB8-5'	5/5/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
A1	8.5	A1-8.5'	5/4/2016	75-01-4	Vinyl chloride	ND	µg/kg	1
A2	8.5	A2-8.5'	5/4/2016	75-01-4	Vinyl chloride	ND	µg/kg	1
A3	8.5	A3-8.5'	5/4/2016	75-01-4	Vinyl chloride	ND	µg/kg	1
A4	8.5	A4-8.5'	5/4/2016	75-01-4	Vinyl chloride	ND	µg/kg	1
A5B	8.5	A5B-8.5'	5/4/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
A6	8.5	A6-8.5'	5/5/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
A7	8.5	A7-8.5'	5/5/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
A8	8.5	A8-8.5'	5/5/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
A9	8.5	A9-8.5'	5/5/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
A11	8.5	A11-8.5'	5/5/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
B1	8.5	B1-8.5'	5/4/2016	75-01-4	Vinyl chloride	ND	µg/kg	1
B2	8.5	B2-8.5'	5/5/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
B3	8.5	B3-8.5'	5/4/2016	75-01-4	Vinyl chloride	ND	µg/kg	1
B4	8.5	B4-8.5'	5/4/2016	75-01-4	Vinyl chloride	ND	µg/kg	1
B5	8.5	B5-8.5'	5/4/2016	75-01-4	Vinyl chloride	ND	µg/kg	1
B6	8.5	B6-8.5'	5/4/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
B7	8.5	B7-8.5'	5/5/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
B8	8.5	B8-8.5'	5/5/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
B9	8.5	B9-8.5'	5/5/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
B10	8.5	B10-8.5'	5/5/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
B11	8.5	B11-8.5'	5/5/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
LB1	8.5	LB1-8.5'	5/6/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
LB2	8.5	LB2-8.5'	5/6/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
LB3	8.5	LB3-8.5'	5/6/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
LB4	8.5	LB4-8.5'	5/5/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
LB5	8.5	LB5-8.5'	5/5/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
A12	11	A12-11'	5/5/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
A13	11	A13-11'	5/5/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
B12	11	B12-11'	5/5/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
B13	11	B13-11'	5/6/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
B14	11	B14-11'	5/6/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
LB6	11	LB6-11'	5/5/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
LB7	11	LB7-11'	5/5/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
LB8	11	LB8-11'	5/5/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
LB3	1D	LB3-1'-D	5/6/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
LB5	1D	LB5-1D	5/5/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
B4	4.5D	B4-4.5D	5/4/2016	75-01-4	Vinyl chloride	ND	µg/kg	1
B12	5D	B12-5'D	5/5/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
A3	8.5D	A3-8.5'-D	5/4/2016	75-01-4	Vinyl chloride	ND	µg/kg	1
A11	8.5D	A11-8.5'-D	5/5/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
B8	8.5D	B8-8.5D	5/5/2016	75-01-4	Vinyl Chloride	ND	µg/kg	1
NP-3	12	NP-3-12	10/10/2017	75-01-4	Vinyl Chloride	ND	µg/kg	0.5
NP-2	6	NP-2-6	10/9/2017	75-01-4	Vinyl Chloride	ND	µg/kg	0.49
NP-1	12	NP-1-12	10/9/2017	75-01-4	Vinyl Chloride	ND	µg/kg	0.37
A1	1	A1-1'	5/4/2016	108-38-3	Xylenes	ND	µg/kg	1
A2	1	A2-1'	5/4/2016	108-38-3	Xylenes	ND	µg/kg	1
A3	1	A3-1'	5/4/2016	108-38-3	Xylenes	ND	µg/kg	1
A4	1	A4-1'	5/4/2016	108-38-3	Xylenes	ND	µg/kg	1
A5B	1	A5B-1'	5/4/2016	108-38-3	Xylenes	ND	µg/kg	1
A6	1	A6-1'	5/5/2016	108-38-3	Xylenes	ND	µg/kg	1
A7	1	A7-1'	5/5/2016	108-38-3	Xylenes	ND	µg/kg	1
A8	1	A8-1'	5/5/2016	108-38-3	Xylenes	ND	µg/kg	1
A9	1	A9-1'	5/5/2016	108-38-3	Xylenes	ND	µg/kg	1
A10	1	A10-1'	5/5/2016	108-38-3	Xylenes	ND	µg/kg	1
A11	1	A11-1'	5/5/2016	108-38-3	Xylenes	ND	µg/kg	1
A12	1	A12-1'	5/5/2016	108-38-3	Xylenes	ND	µg/kg	1
A13	1	A13-1'	5/5/2016	108-38-3	Xylenes	ND	µg/kg	1

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
B1	1	B1-1'	5/4/2016	108-38-3	Xylenes	ND	µg/kg	1
B2	1	B2-1'	5/5/2016	108-38-3	Xylenes	ND	µg/kg	1
B3	1	B3-1'	5/4/2016	108-38-3	Xylenes	ND	µg/kg	1
B4	1	B4-1'	5/4/2016	108-38-3	Xylenes	ND	µg/kg	1
B5	1	B5-1'	5/4/2016	108-38-3	Xylenes	ND	µg/kg	1
B6	1	B6-1'	5/4/2016	108-38-3	Xylenes	ND	µg/kg	1
B7	1	B7-1'	5/5/2016	108-38-3	Xylenes	ND	µg/kg	1
B8	1	B8-1'	5/5/2016	108-38-3	Xylenes	ND	µg/kg	1
B9	1	B9-1'	5/5/2016	108-38-3	Xylenes	ND	µg/kg	1
B10	1	B10-1'	5/7/2016	108-38-3	Xylenes	ND	µg/kg	1
B11	1	B11-1'	5/5/2016	108-38-3	Xylenes	ND	µg/kg	1
B12	1	B12-1'	5/5/2016	108-38-3	Xylenes	ND	µg/kg	1
B13	1	B13-1'	5/6/2016	108-38-3	Xylenes	ND	µg/kg	1
B14	1	B14-1'	5/6/2016	108-38-3	Xylenes	ND	µg/kg	1
B15	1	B15-1'	5/6/2016	108-38-3	Xylenes	ND	µg/kg	1
LB1	1	LB1-1'	5/6/2016	108-38-3	Xylenes	ND	µg/kg	1
LB2	1	LB2-1'	5/6/2016	108-38-3	Xylenes	ND	µg/kg	1
LB3	1	LB3-1'	5/6/2016	108-38-3	Xylenes	ND	µg/kg	1
LB4	1	LB4-1'	5/5/2016	108-38-3	Xylenes	ND	µg/kg	1
LB5	1	LB5-1'	5/5/2016	108-38-3	Xylenes	ND	µg/kg	1
LB6	1	LB6-1'	5/5/2016	108-38-3	Xylenes	ND	µg/kg	1
LB7	1	LB7-1'	5/5/2016	108-38-3	Xylenes	ND	µg/kg	1
LB8	1	LB8-1'	5/5/2016	108-38-3	Xylenes	ND	µg/kg	1
A5	1.25	A5-1.25'	5/4/2016	108-38-3	Xylenes	ND	µg/kg	1
A7	3.5	A7-3.5'	5/5/2016	108-38-3	Xylenes	ND	µg/kg	1
B15	4	B15-4'	5/6/2016	108-38-3	Xylenes	ND	µg/kg	1
A1	4.5	A1-4.5'	5/4/2016	108-38-3	Xylenes	ND	µg/kg	1
A2	4.5	A2-4.5'	5/4/2016	108-38-3	Xylenes	ND	µg/kg	1
A3	4.5	A3-4.5'	5/4/2016	108-38-3	Xylenes	ND	µg/kg	1
A4	4.5	A4-4.5'	5/4/2016	108-38-3	Xylenes	ND	µg/kg	1
A5	4.5	A5-4.5'	5/4/2016	108-38-3	Xylenes	ND	µg/kg	1
A5B	4.5	A5B-4.5'	5/4/2016	108-38-3	Xylenes	ND	µg/kg	1
A6	4.5	A6-4.5'	5/5/2016	108-38-3	Xylenes	ND	µg/kg	1
A8	4.5	A8-4.5'	5/5/2016	108-38-3	Xylenes	ND	µg/kg	1
A9	4.5	A9-4.5'	5/5/2016	108-38-3	Xylenes	ND	µg/kg	1
A11	4.5	A11-4.5'	5/5/2016	108-38-3	Xylenes	ND	µg/kg	1
B1	4.5	B1-4.5'	5/4/2016	108-38-3	Xylenes	ND	µg/kg	1
B2	4.5	B2-4.5'	5/5/2016	108-38-3	Xylenes	ND	µg/kg	1
B3	4.5	B3-4.5'	5/4/2016	108-38-3	Xylenes	ND	µg/kg	1
B4	4.5	B4-4.5'	5/4/2016	108-38-3	Xylenes	ND	µg/kg	1
B5	4.5	B5-4.5'	5/4/2016	108-38-3	Xylenes	ND	µg/kg	1
B6	4.5	B6-4.5'	5/4/2016	108-38-3	Xylenes	ND	µg/kg	1
B7	4.5	B7-4.5'	5/5/2016	108-38-3	Xylenes	ND	µg/kg	1
B8	4.5	B8-4.5'	5/5/2016	108-38-3	Xylenes	ND	µg/kg	1
B9	4.5	B9-4.5'	5/5/2016	108-38-3	Xylenes	ND	µg/kg	1
B10	4.5	B10-4.5'	5/5/2016	108-38-3	Xylenes	ND	µg/kg	1
B11	4.5	B11-4.5'	5/5/2016	108-38-3	Xylenes	ND	µg/kg	1
LB	4.5	LB-4.5'	5/6/2016	108-38-3	Xylenes	ND	µg/kg	1
LB1	4.5	LB1-4.5'	5/6/2016	108-38-3	Xylenes	ND	µg/kg	1
LB3	4.5	LB3-4.5'	5/6/2016	108-38-3	Xylenes	ND	µg/kg	1
LB4	4.5	LB4-4.5'	5/5/2016	108-38-3	Xylenes	ND	µg/kg	1
LB5	4.5	LB5-4.5'	5/5/2016	108-38-3	Xylenes	ND	µg/kg	1

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
A12	5	A12-5'	5/5/2016	108-38-3	Xylenes	ND	µg/kg	1
A13	5	A13-5'	5/5/2016	108-38-3	Xylenes	ND	µg/kg	1
B12	5	B12-5'	5/5/2016	108-38-3	Xylenes	ND	µg/kg	1
B13	5	B13-5'	5/6/2016	108-38-3	Xylenes	ND	µg/kg	1
B14	5	B14-5'	5/8/2016	108-38-3	Xylenes	ND	µg/kg	1
B15	5	B15-5'	5/6/2016	108-38-3	Xylenes	ND	µg/kg	1
LB6	5	LB6-5'	5/5/2016	108-38-3	Xylenes	ND	µg/kg	1
LB7	5	LB7-5'	5/5/2016	108-38-3	Xylenes	ND	µg/kg	1
LB8	5	LB8-5'	5/5/2016	108-38-3	Xylenes	ND	µg/kg	1
A1	8.5	A1-8.5'	5/4/2016	108-38-3	Xylenes	ND	µg/kg	1
A2	8.5	A2-8.5'	5/4/2016	108-38-3	Xylenes	ND	µg/kg	1
A3	8.5	A3-8.5'	5/4/2016	108-38-3	Xylenes	ND	µg/kg	1
A4	8.5	A4-8.5'	5/4/2016	108-38-3	Xylenes	ND	µg/kg	1
A5B	8.5	A5B-8.5'	5/4/2016	108-38-3	Xylenes	ND	µg/kg	1
A6	8.5	A6-8.5'	5/5/2016	108-38-3	Xylenes	ND	µg/kg	1
A7	8.5	A7-8.5'	5/5/2016	108-38-3	Xylenes	ND	µg/kg	1
A8	8.5	A8-8.5'	5/5/2016	108-38-3	Xylenes	ND	µg/kg	1
A9	8.5	A9-8.5'	5/5/2016	108-38-3	Xylenes	ND	µg/kg	1
A11	8.5	A11-8.5'	5/5/2016	108-38-3	Xylenes	ND	µg/kg	1
B1	8.5	B1-8.5'	5/4/2016	108-38-3	Xylenes	ND	µg/kg	1
B2	8.5	B2-8.5'	5/5/2016	108-38-3	Xylenes	ND	µg/kg	1
B3	8.5	B3-8.5'	5/4/2016	108-38-3	Xylenes	ND	µg/kg	1
B4	8.5	B4-8.5'	5/4/2016	108-38-3	Xylenes	ND	µg/kg	1
B5	8.5	B5-8.5'	5/4/2016	108-38-3	Xylenes	ND	µg/kg	1
B6	8.5	B6-8.5'	5/4/2016	108-38-3	Xylenes	ND	µg/kg	1
B7	8.5	B7-8.5'	5/5/2016	108-38-3	Xylenes	ND	µg/kg	1
B8	8.5	B8-8.5'	5/5/2016	108-38-3	Xylenes	ND	µg/kg	1
B9	8.5	B9-8.5'	5/5/2016	108-38-3	Xylenes	ND	µg/kg	1
B10	8.5	B10-8.5'	5/5/2016	108-38-3	Xylenes	ND	µg/kg	1
B11	8.5	B11-8.5'	5/5/2016	108-38-3	Xylenes	ND	µg/kg	1
LB1	8.5	LB1-8.5'	5/6/2016	108-38-3	Xylenes	ND	µg/kg	1
LB2	8.5	LB2-8.5'	5/6/2016	108-38-3	Xylenes	ND	µg/kg	1
LB3	8.5	LB3-8.5'	5/6/2016	108-38-3	Xylenes	ND	µg/kg	1
LB4	8.5	LB4-8.5'	5/5/2016	108-38-3	Xylenes	ND	µg/kg	1
LB5	8.5	LB5-8.5'	5/5/2016	108-38-3	Xylenes	ND	µg/kg	1
A12	11	A12-11'	5/5/2016	108-38-3	Xylenes	ND	µg/kg	1
A13	11	A13-11'	5/5/2016	108-38-3	Xylenes	ND	µg/kg	1
B12	11	B12-11'	5/5/2016	108-38-3	Xylenes	ND	µg/kg	1
B13	11	B13-11'	5/6/2016	108-38-3	Xylenes	ND	µg/kg	1
B14	11	B14-11'	5/6/2016	108-38-3	Xylenes	ND	µg/kg	1
LB6	11	LB6-11'	5/5/2016	108-38-3	Xylenes	ND	µg/kg	1
LB7	11	LB7-11'	5/5/2016	108-38-3	Xylenes	ND	µg/kg	1
LB8	11	LB8-11'	5/5/2016	108-38-3	Xylenes	ND	µg/kg	1
LB3	1D	LB3-1'-D	5/6/2016	108-38-3	Xylenes	ND	µg/kg	1
LB5	1D	LB5-1D	5/5/2016	108-38-3	Xylenes	ND	µg/kg	1
B4	4.5D	B4-4.5D	5/4/2016	108-38-3	Xylenes	ND	µg/kg	1
B12	5D	B12-5'D	5/5/2016	108-38-3	Xylenes	ND	µg/kg	1
A3	8.5D	A3-8.5'-D	5/4/2016	108-38-3	Xylenes	ND	µg/kg	1
A11	8.5D	A11-8.5'-D	5/5/2016	108-38-3	Xylenes	ND	µg/kg	1
B8	8.5D	B8-8.5D	5/5/2016	108-38-3	Xylenes	ND	µg/kg	1
SS-2	10	SS-2-10	6/28/2012	7440-66-6	Zinc	753	mg/kg	1
SS-3	10	SS-3-10	6/28/2012	7440-66-6	Zinc	63.8	mg/kg	1

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
SS-6	10	SS-6-10	6/28/2012	7440-66-6	Zinc	55	mg/kg	1
A7	3.5	A7-3.5'	5/5/2016	7440-66-6	Zinc, Zn	6920	mg/kg	10
A6	4.5	A6-4.5'	5/5/2016	7440-66-6	Zinc, Zn	6260	mg/kg	10
A5B	1	A5B-1'	5/4/2016	7440-66-6	Zinc, Zn	6040	mg/kg	50
A6	8.5	A6-8.5'	5/5/2016	7440-66-6	Zinc, Zn	3240	mg/kg	5
B4	1	B4-1'	5/4/2016	7440-66-6	Zinc, Zn	1580	mg/kg	5
LB3	1	LB3-1'	5/6/2016	7440-66-6	Zinc, Zn	985	mg/kg	5
B4	4.5	B4-4.5'	5/4/2016	7440-66-6	Zinc, Zn	880	mg/kg	5
LB4	1	LB4-1'	5/5/2016	7440-66-6	Zinc, Zn	684	mg/kg	5
A7	8.5	A7-8.5'	5/5/2016	7440-66-6	Zinc, Zn	359	mg/kg	0.5
A4	8.5	A4-8.5'	5/4/2016	7440-66-6	Zinc, Zn	307	mg/kg	0.5
B13	5	B13-5'	5/6/2016	7440-66-6	Zinc, Zn	236	mg/kg	0.5
B4	4.5D	B4-4.5D	5/4/2016	7440-66-6	Zinc, Zn	233	mg/kg	0.5
A11	1	A11-1'	5/5/2016	7440-66-6	Zinc, Zn	161	mg/kg	0.5
A7	1	A7-1'	5/5/2016	7440-66-6	Zinc, Zn	154	mg/kg	0.5
B3	1	B3-1'	5/4/2016	7440-66-6	Zinc, Zn	136	mg/kg	0.5
B11	1	B11-1'	5/5/2016	7440-66-6	Zinc, Zn	122	mg/kg	0.5
LB3	1D	LB3-1'-D	5/6/2016	7440-66-6	Zinc, Zn	104	mg/kg	0.5
A1	1	A1-1'	5/4/2016	7440-66-6	Zinc, Zn	99.1	mg/kg	0.5
A1	8.5	A1-8.5'	5/4/2016	7440-66-6	Zinc, Zn	94.9	mg/kg	0.5
A12	1	A12-1'	5/5/2016	7440-66-6	Zinc, Zn	90.5	mg/kg	0.5
LB5	1	LB5-1'	5/5/2016	7440-66-6	Zinc, Zn	87.7	mg/kg	0.5
B12	1	B12-1'	5/5/2016	7440-66-6	Zinc, Zn	86.3	mg/kg	0.5
A12	11	A12-11'	5/5/2016	7440-66-6	Zinc, Zn	84.5	mg/kg	0.5
LB8	1	LB8-1'	5/5/2016	7440-66-6	Zinc, Zn	83.4	mg/kg	0.5
B13	1	B13-1'	5/6/2016	7440-66-6	Zinc, Zn	83.1	mg/kg	0.5
LB8	5	LB8-5'	5/5/2016	7440-66-6	Zinc, Zn	82	mg/kg	0.5
B13	11	B13-11'	5/6/2016	7440-66-6	Zinc, Zn	82	mg/kg	0.5
A13	5	A13-5'	5/5/2016	7440-66-6	Zinc, Zn	81.8	mg/kg	0.5
LB6	1	LB6-1'	5/5/2016	7440-66-6	Zinc, Zn	81.7	mg/kg	0.5
B12	5D	B12-5'D	5/5/2016	7440-66-6	Zinc, Zn	79.9	mg/kg	0.5
A12	5	A12-5'	5/5/2016	7440-66-6	Zinc, Zn	79.2	mg/kg	0.5
LB5	8.5	LB5-8.5'	5/5/2016	7440-66-6	Zinc, Zn	79.2	mg/kg	0.5
B12	11	B12-11'	5/5/2016	7440-66-6	Zinc, Zn	78.6	mg/kg	0.5
B6	8.5	B6-8.5'	5/4/2016	7440-66-6	Zinc, Zn	78	mg/kg	0.5
B11	4.5	B11-4.5'	5/5/2016	7440-66-6	Zinc, Zn	77.6	mg/kg	0.5
A13	1	A13-1'	5/5/2016	7440-66-6	Zinc, Zn	77.5	mg/kg	0.5
B10	8.5	B10-8.5'	5/5/2016	7440-66-6	Zinc, Zn	77.3	mg/kg	0.5
LB3	4.5	LB3-4.5'	5/6/2016	7440-66-6	Zinc, Zn	77.2	mg/kg	0.5
B11	8.5	B11-8.5'	5/5/2016	7440-66-6	Zinc, Zn	77	mg/kg	0.5
A3	8.5	A3-8.5'	5/4/2016	7440-66-6	Zinc, Zn	76.8	mg/kg	0.5
A13	11	A13-11'	5/5/2016	7440-66-6	Zinc, Zn	76.7	mg/kg	0.5
A1	4.5	A1-4.5'	5/4/2016	7440-66-6	Zinc, Zn	76.1	mg/kg	0.5
B2	4.5	B2-4.5'	5/5/2016	7440-66-6	Zinc, Zn	76.1	mg/kg	0.5
B12	5	B12-5'	5/5/2016	7440-66-6	Zinc, Zn	75.4	mg/kg	0.5
LB1	8.5	LB1-8.5'	5/6/2016	7440-66-6	Zinc, Zn	74.7	mg/kg	0.5
LB7	5	LB7-5'	5/5/2016	7440-66-6	Zinc, Zn	74.5	mg/kg	0.5
B10	4.5	B10-4.5'	5/5/2016	7440-66-6	Zinc, Zn	73.7	mg/kg	0.5
LB6	5	LB6-5'	5/5/2016	7440-66-6	Zinc, Zn	73.7	mg/kg	0.5
A11	8.5	A11-8.5'	5/5/2016	7440-66-6	Zinc, Zn	73.6	mg/kg	0.5
LB7	1	LB7-1'	5/5/2016	7440-66-6	Zinc, Zn	73.2	mg/kg	0.5
A3	4.5	A3-4.5'	5/4/2016	7440-66-6	Zinc, Zn	72.5	mg/kg	0.5

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
LB8	11	LB8-11'	5/5/2016	7440-66-6	Zinc, Zn	71.7	mg/kg	0.5
LB2	8.5	LB2-8.5'	5/6/2016	7440-66-6	Zinc, Zn	71.5	mg/kg	0.5
B7	4.5	B7-4.5'	5/5/2016	7440-66-6	Zinc, Zn	70.5	mg/kg	0.5
B10	1	B10-1'	5/5/2016	7440-66-6	Zinc, Zn	69.3	mg/kg	0.5
B14	1	B14-1'	5/6/2016	7440-66-6	Zinc, Zn	68.8	mg/kg	0.5
LB6	11	LB6-11'	5/5/2016	7440-66-6	Zinc, Zn	68.8	mg/kg	0.5
A5	1.25	A5-1.25'	5/4/2016	7440-66-6	Zinc, Zn	68.5	mg/kg	0.5
B9	4.5	B9-4.5'	5/5/2016	7440-66-6	Zinc, Zn	68.4	mg/kg	0.5
B8	4.5	B8-4.5'	5/5/2016	7440-66-6	Zinc, Zn	67.8	mg/kg	0.5
A10	1	A10-1'	5/5/2016	7440-66-6	Zinc, Zn	66.6	mg/kg	0.5
LB1	1	LB1-1'	5/6/2016	7440-66-6	Zinc, Zn	65.9	mg/kg	0.5
LB5	4.5	LB5-4.5'	5/5/2016	7440-66-6	Zinc, Zn	65.2	mg/kg	0.5
B1	1	B1-1'	5/4/2016	7440-66-6	Zinc, Zn	64.7	mg/kg	0.5
A9	4.5	A9-4.5'	5/5/2016	7440-66-6	Zinc, Zn	63.8	mg/kg	0.5
B14	11	B14-11'	5/6/2016	7440-66-6	Zinc, Zn	63.5	mg/kg	0.5
B1	8.5	B1-8.5'	5/4/2016	7440-66-6	Zinc, Zn	63.2	mg/kg	0.5
A2	4.5	A2-4.5'	5/4/2016	7440-66-6	Zinc, Zn	62.5	mg/kg	0.5
B2	1	B2-1'	5/5/2016	7440-66-6	Zinc, Zn	62.4	mg/kg	0.5
B15	4	B15-4'	5/6/2016	7440-66-6	Zinc, Zn	62.4	mg/kg	0.5
A8	1	A8-1'	5/5/2016	7440-66-6	Zinc, Zn	62.2	mg/kg	0.5
LB1	4.5	LB1-4.5'	5/6/2016	7440-66-6	Zinc, Zn	60.9	mg/kg	0.5
A9	1	A9-1'	5/5/2016	7440-66-6	Zinc, Zn	59.6	mg/kg	0.5
LB2	4.5	LB2-4.5'	5/6/2016	7440-66-6	Zinc, Zn	58.6	mg/kg	0.5
B6	1	B6-1'	5/4/2016	7440-66-6	Zinc, Zn	58.2	mg/kg	0.5
LB7	11	LB7-11'	5/5/2016	7440-66-6	Zinc, Zn	57.8	mg/kg	0.5
B9	1	B9-1'	5/5/2016	7440-66-6	Zinc, Zn	57	mg/kg	0.5
B5	8.5	B5-8.5'	5/4/2016	7440-66-6	Zinc, Zn	56.8	mg/kg	0.5
LB3	8.5	LB3-8.5'	5/6/2016	7440-66-6	Zinc, Zn	56.4	mg/kg	0.5
B9	8.5	B9-8.5'	5/5/2016	7440-66-6	Zinc, Zn	56.1	mg/kg	0.5
A5B	4.5	A5B-4.5'	5/4/2016	7440-66-6	Zinc, Zn	55.9	mg/kg	0.5
B1	4.5	B1-4.5'	5/4/2016	7440-66-6	Zinc, Zn	55.2	mg/kg	0.5
B3	4.5	B3-4.5'	5/4/2016	7440-66-6	Zinc, Zn	54.3	mg/kg	0.5
A5B	8.5	A5B-8.5'	5/4/2016	7440-66-6	Zinc, Zn	53.1	mg/kg	0.5
B8	8.5	B8-8.5'	5/5/2016	7440-66-6	Zinc, Zn	50.6	mg/kg	0.5
A11	4.5	A11-4.5'	5/5/2016	7440-66-6	Zinc, Zn	49.3	mg/kg	0.5
B8	8.5D	B8-8.5D	5/5/2016	7440-66-6	Zinc, Zn	48.9	mg/kg	0.5
LB4	4.5	LB4-4.5'	5/5/2016	7440-66-6	Zinc, Zn	48	mg/kg	0.5
A5	4.5	A5-4.5'	5/4/2016	7440-66-6	Zinc, Zn	47.8	mg/kg	0.5
A8	4.5	A8-4.5'	5/5/2016	7440-66-6	Zinc, Zn	46.8	mg/kg	0.5
LB4	8.5	LB4-8.5'	5/5/2016	7440-66-6	Zinc, Zn	46.1	mg/kg	0.5
A8	8.5	A8-8.5'	5/5/2016	7440-66-6	Zinc, Zn	45.6	mg/kg	0.5
B5	4.5	B5-4.5'	5/4/2016	7440-66-6	Zinc, Zn	45.4	mg/kg	5
A11	8.5D	A11-8.5'-D	5/5/2016	7440-66-6	Zinc, Zn	44.4	mg/kg	0.5
A3	8.5D	A3-8.5D	5/4/2016	7440-66-6	Zinc, Zn	43.9	mg/kg	0.5
A9	8.5	A9-8.5'	5/5/2016	7440-66-6	Zinc, Zn	43.4	mg/kg	0.5
B3	8.5	B3-8.5'	5/4/2016	7440-66-6	Zinc, Zn	43.4	mg/kg	0.5
B2	8.5	B2-8.5'	5/5/2016	7440-66-6	Zinc, Zn	43	mg/kg	0.5
B6	4.5	B6-4.5'	5/4/2016	7440-66-6	Zinc, Zn	41.1	mg/kg	0.5
B8	1	B8-1'	5/5/2016	7440-66-6	Zinc, Zn	40.4	mg/kg	0.5
A4	4.5	A4-4.5'	5/4/2016	7440-66-6	Zinc, Zn	39.7	mg/kg	0.5
A2	8.5	A2-8.5'	5/4/2016	7440-66-6	Zinc, Zn	38.8	mg/kg	0.5
B4	8.5	B4-8.5'	5/4/2016	7440-66-6	Zinc, Zn	38.2	mg/kg	0.5

Appendix A-1
Soil Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
B5	1	B5-1'	5/4/2016	7440-66-6	Zinc, Zn	37.6	mg/kg	0.5
B15	5	B15-5'	5/6/2016	7440-66-6	Zinc, Zn	35.1	mg/kg	0.5
B7	8.5	B7-8.5'	5/5/2016	7440-66-6	Zinc, Zn	32.3	mg/kg	0.5
A6	1	A6-1'	5/5/2016	7440-66-6	Zinc, Zn	28.5	mg/kg	0.5
LB5	1D	LB5-1D	5/5/2016	7440-66-6	Zinc, Zn	28.4	mg/kg	0.5
LB2	1	LB2-1'	5/6/2016	7440-66-6	Zinc, Zn	27.4	mg/kg	0.5
B14	5	B14-5'	5/6/2016	7440-66-6	Zinc, Zn	21.7	mg/kg	0.5

Appendix A-2
Chromium Data
(0-14 feet below ground surface)

Appendix A-2
Chromium Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
A1	1	A1-1'	5/4/2016	7440-47-3	Chromium	15.9	mg/kg	0.5
A5B	1	A5B-1'	5/4/2016	7440-47-3	Chromium	14.3	mg/kg	0.5
A6	1	A6-1'	5/5/2016	7440-47-3	Chromium	22.5	mg/kg	0.5
A7	1	A7-1'	5/5/2016	7440-47-3	Chromium	25.8	mg/kg	0.5
A8	1	A8-1'	5/5/2016	7440-47-3	Chromium	18.5	mg/kg	0.5
A9	1	A9-1'	5/5/2016	7440-47-3	Chromium	17.7	mg/kg	0.5
A10	1	A10-1'	5/5/2016	7440-47-3	Chromium	21.6	mg/kg	0.5
A11	1	A11-1'	5/5/2016	7440-47-3	Chromium	28.2	mg/kg	0.5
A12	1	A12-1'	5/5/2016	7440-47-3	Chromium	33.5	mg/kg	0.5
A13	1	A13-1'	5/5/2016	7440-47-3	Chromium	30.2	mg/kg	0.5
B1	1	B1-1'	5/4/2016	7440-47-3	Chromium	21.4	mg/kg	0.5
B2	1	B2-1'	5/5/2016	7440-47-3	Chromium	23.4	mg/kg	0.5
B3	1	B3-1'	5/4/2016	7440-47-3	Chromium	23.1	mg/kg	0.5
B4	1	B4-1'	5/4/2016	7440-47-3	Chromium	25.9	mg/kg	0.5
B5	1	B5-1'	5/4/2016	7440-47-3	Chromium	16.4	mg/kg	0.5
B6	1	B6-1'	5/4/2016	7440-47-3	Chromium	24	mg/kg	0.5
B8	1	B8-1'	5/5/2016	7440-47-3	Chromium	10.2	mg/kg	0.5
B9	1	B9-1'	5/5/2016	7440-47-3	Chromium	14.3	mg/kg	0.5
B10	1	B10-1'	5/5/2016	7440-47-3	Chromium	24.6	mg/kg	0.5
B11	1	B11-1'	5/5/2016	7440-47-3	Chromium	22.3	mg/kg	0.5
B12	1	B12-1'	5/5/2016	7440-47-3	Chromium	32.8	mg/kg	0.5
B13	1	B13-1'	5/6/2016	7440-47-3	Chromium	30.7	mg/kg	0.5
B14	1	B14-1'	5/6/2016	7440-47-3	Chromium	52.2	mg/kg	0.5
LB1	1	LB1-1'	5/6/2016	7440-47-3	Chromium	24.9	mg/kg	0.5
LB2	1	LB2-1'	5/6/2016	7440-47-3	Chromium	7	mg/kg	0.5
LB3	1	LB3-1'	5/6/2016	7440-47-3	Chromium	26.4	mg/kg	0.5
LB4	1	LB4-1'	5/5/2016	7440-47-3	Chromium	19.1	mg/kg	0.5
LB5	1	LB5-1'	5/5/2016	7440-47-3	Chromium	27.2	mg/kg	0.5
LB6	1	LB6-1'	5/5/2016	7440-47-3	Chromium	35.7	mg/kg	0.5
LB7	1	LB7-1'	5/5/2016	7440-47-3	Chromium	24.7	mg/kg	0.5
LB8	1	LB8-1'	5/5/2016	7440-47-3	Chromium	27.7	mg/kg	0.5
A5	1.25	A5-1.25'	5/4/2016	7440-47-3	Chromium	29	mg/kg	0.5
A7	3.5	A7-3.5'	5/5/2016	7440-47-3	Chromium	7.9	mg/kg	0.5
B15	4	B15-4'	5/6/2016	7440-47-3	Chromium	24.4	mg/kg	0.5
A1	4.5	A1-4.5'	5/4/2016	7440-47-3	Chromium	33.7	mg/kg	0.5
A2	4.5	A2-4.5'	5/4/2016	7440-47-3	Chromium	31.8	mg/kg	0.5
A3	4.5	A3-4.5'	5/4/2016	7440-47-3	Chromium	32.9	mg/kg	0.5
A4	4.5	A4-4.5'	5/4/2016	7440-47-3	Chromium	16.4	mg/kg	0.5
A5	4.5	A5-4.5'	5/4/2016	7440-47-3	Chromium	21.3	mg/kg	0.5
A5B	4.5	A5B-4.5'	5/4/2016	7440-47-3	Chromium	18.3	mg/kg	0.5
A6	4.5	A6-4.5'	5/5/2016	7440-47-3	Chromium	157	mg/kg	0.5
A8	4.5	A8-4.5'	5/5/2016	7440-47-3	Chromium	34.5	mg/kg	0.5
A9	4.5	A9-4.5'	5/5/2016	7440-47-3	Chromium	31.1	mg/kg	0.5
A11	4.5	A11-4.5'	5/5/2016	7440-47-3	Chromium	21.9	mg/kg	0.5
B1	4.5	B1-4.5'	5/4/2016	7440-47-3	Chromium	20.1	mg/kg	0.5

Appendix A-2
Chromium Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
B2	4.5	B2-4.5'	5/5/2016	7440-47-3	Chromium	33.3	mg/kg	0.5
B3	4.5	B3-4.5'	5/4/2016	7440-47-3	Chromium	23.7	mg/kg	0.5
B4	4.5	B4-4.5'	5/4/2016	7440-47-3	Chromium	26.4	mg/kg	0.5
B5	4.5	B5-4.5'	5/4/2016	7440-47-3	Chromium	16.2	mg/kg	0.5
B6	4.5	B6-4.5'	5/4/2016	7440-47-3	Chromium	16.1	mg/kg	0.5
B7	4.5	B7-4.5'	5/5/2016	7440-47-3	Chromium	29.7	mg/kg	0.5
B8	4.5	B8-4.5'	5/5/2016	7440-47-3	Chromium	29.5	mg/kg	0.5
B9	4.5	B9-4.5'	5/5/2016	7440-47-3	Chromium	29.5	mg/kg	0.5
B10	4.5	B10-4.5'	5/5/2016	7440-47-3	Chromium	29.6	mg/kg	0.5
B11	4.5	B11-4.5'	5/5/2016	7440-47-3	Chromium	30.2	mg/kg	0.5
LB1	4.5	LB1-4.5'	5/6/2016	7440-47-3	Chromium	22.8	mg/kg	0.5
LB2	4.5	LB2-4.5'	5/6/2016	7440-47-3	Chromium	8.1	mg/kg	0.5
LB3	4.5	LB3-4.5'	5/6/2016	7440-47-3	Chromium	32.4	mg/kg	0.5
LB4	4.5	LB4-4.5'	5/5/2016	7440-47-3	Chromium	18.4	mg/kg	0.5
LB5	4.5	LB5-4.5'	5/5/2016	7440-47-3	Chromium	26.9	mg/kg	0.5
A12	5	A12-5'	5/5/2016	7440-47-3	Chromium	37.7	mg/kg	0.5
A13	5	A13-5'	5/5/2016	7440-47-3	Chromium	35.4	mg/kg	0.5
B12	5	B12-5'	5/5/2016	7440-47-3	Chromium	32.4	mg/kg	0.5
B13	5	B13-5'	5/6/2016	7440-47-3	Chromium	35.3	mg/kg	0.5
B14	5	B14-5'	42496	7440-47-3	Chromium	6.7	mg/kg	0.5
B15	5	B15-5'	5/6/2016	7440-47-3	Chromium	27.8	mg/kg	0.5
LB6	5	LB6-5'	5/5/2016	7440-47-3	Chromium	30.1	mg/kg	0.5
LB7	5	LB7-5'	5/5/2016	7440-47-3	Chromium	29.1	mg/kg	0.5
LB8	5	LB8-5'	5/5/2016	7440-47-3	Chromium	35.1	mg/kg	0.5
A1	8.5	A1-8.5'	5/4/2016	7440-47-3	Chromium	43.2	mg/kg	0.5
A2	8.5	A2-8.5'	5/4/2016	7440-47-3	Chromium	18.3	mg/kg	0.5
A3	8.5	A3-8.5'	5/4/2016	7440-47-3	Chromium	33.3	mg/kg	0.5
A4	8.5	A4-8.5'	5/4/2016	7440-47-3	Chromium	13.9	mg/kg	0.5
A5B	8.5	A5B-8.5'	5/4/2016	7440-47-3	Chromium	24.9	mg/kg	0.5
A6	8.5	A6-8.5'	5/5/2016	7440-47-3	Chromium	73.4	mg/kg	0.5
A7	8.5	A7-8.5'	5/5/2016	7440-47-3	Chromium	34.3	mg/kg	0.5
A8	8.5	A8-8.5'	5/5/2016	7440-47-3	Chromium	21.5	mg/kg	0.5
A9	8.5	A9-8.5'	5/5/2016	7440-47-3	Chromium	20.3	mg/kg	0.5
A11	8.5	A11-8.5'	5/5/2016	7440-47-3	Chromium	31.6	mg/kg	0.5
B1	8.5	B1-8.5'	5/4/2016	7440-47-3	Chromium	27.3	mg/kg	0.5
B2	8.5	B2-8.5'	5/5/2016	7440-47-3	Chromium	19	mg/kg	0.5
B3	8.5	B3-8.5'	5/4/2016	7440-47-3	Chromium	19.8	mg/kg	0.5
B4	8.5	B4-8.5'	5/4/2016	7440-47-3	Chromium	14.5	mg/kg	0.5
B5	8.5	B5-8.5'	5/4/2016	7440-47-3	Chromium	25.3	mg/kg	0.5
B6	8.5	B6-8.5'	5/4/2016	7440-47-3	Chromium	31.8	mg/kg	0.5
B7	8.5	B7-8.5'	5/5/2016	7440-47-3	Chromium	17.8	mg/kg	0.5
B8	8.5	B8-8.5'	5/5/2016	7440-47-3	Chromium	22.4	mg/kg	0.5
B9	8.5	B9-8.5'	5/5/2016	7440-47-3	Chromium	25.7	mg/kg	0.5
B10	8.5	B10-8.5'	5/5/2016	7440-47-3	Chromium	34.6	mg/kg	0.5
B11	8.5	B11-8.5'	5/5/2016	7440-47-3	Chromium	33.9	mg/kg	0.5

Appendix A-2
Chromium Analytical Results (0-14 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
LB1	8.5	LB1-8.5'	5/6/2016	7440-47-3	Chromium	28.7	mg/kg	0.5
LB2	8.5	LB2-8.5'	5/6/2016	7440-47-3	Chromium	27.4	mg/kg	0.5
LB3	8.5	LB3-8.5'	5/6/2016	7440-47-3	Chromium	6.6	mg/kg	0.5
LB4	8.5	LB4-8.5'	5/5/2016	7440-47-3	Chromium	19.6	mg/kg	0.5
LB5	8.5	LB5-8.5'	5/5/2016	7440-47-3	Chromium	35.4	mg/kg	0.5
SS-2	10	SS-2-10	6/28/2012	7440-47-3	Chromium	33	mg/kg	0.25
SS-3	10	SS-3-10	6/28/2012	7440-47-3	Chromium	22.6	mg/kg	0.25
SS-6	10	SS-6-10	6/28/2012	7440-47-3	Chromium	19	mg/kg	0.25
A12	11	A12-11'	5/5/2016	7440-47-3	Chromium	35.5	mg/kg	0.5
A13	11	A13-11'	5/5/2016	7440-47-3	Chromium	31.8	mg/kg	0.5
B12	11	B12-11'	5/5/2016	7440-47-3	Chromium	34.2	mg/kg	0.5
B13	11	B13-11'	5/6/2016	7440-47-3	Chromium	32.8	mg/kg	0.5
B14	11	B14-11'	5/6/2016	7440-47-3	Chromium	26.7	mg/kg	0.5
LB6	11	LB6-11'	5/5/2016	7440-47-3	Chromium	28.7	mg/kg	0.5
LB7	11	LB7-11'	5/5/2016	7440-47-3	Chromium	27.3	mg/kg	0.5
LB8	11	LB8-11'	5/5/2016	7440-47-3	Chromium	30	mg/kg	0.5
LB3	1D	LB3-1'-D	5/6/2016	7440-47-3	Chromium	28.7	mg/kg	0.5
LB5	1D	LB5-1D	5/5/2016	7440-47-3	Chromium	22.7	mg/kg	0.5
B4	4.5D	B4-4.5D	5/4/2016	7440-47-3	Chromium	6.7	mg/kg	0.5
B12	5D	B12-5'D	5/5/2016	7440-47-3	Chromium	34.5	mg/kg	0.5
A3	8.5D	A3-8.5D	5/4/2016	7440-47-3	Chromium	11.5	mg/kg	0.5
A11	8.5D	A11-8.5'-D	5/5/2016	7440-47-3	Chromium	19.1	mg/kg	0.5
B8	8.5D	B8-8.5D	5/5/2016	7440-47-3	Chromium	21.8	mg/kg	0.5

Appendix A-3
Chromium Data
(14-45 feet below ground surface)

Appendix A-3
Chromium Analytical Results (14-45 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
A5B	14.5	A5B-14.5'	5/4/2016	7440-47-3	Chromium	35.2	mg/kg	0.5
A6	14.5	A6-14.5'	5/5/2016	7440-47-3	Chromium	67.7	mg/kg	0.5
A7	14.5	A7-14.5'	5/5/2016	7440-47-3	Chromium	15.7	mg/kg	0.5
A8	14.5	A8-14.5'	5/5/2016	7440-47-3	Chromium	25.4	mg/kg	0.5
A9	14.5	A9-14.5'	5/5/2016	7440-47-3	Chromium	26.9	mg/kg	0.5
A10	14.5	A10-14.5'	5/5/2016	7440-47-3	Chromium	20.1	mg/kg	0.5
A11	14.5	A11-14.5'	5/5/2016	7440-47-3	Chromium	28	mg/kg	0.5
B2	14.5	B2-14.5'	5/5/2016	7440-47-3	Chromium	28.5	mg/kg	0.5
B6	14.5	B6-14.5'	5/4/2016	7440-47-3	Chromium	10.9	mg/kg	0.5
B7	14.5	B7-14.5'	5/5/2016	7440-47-3	Chromium	19	mg/kg	0.5
B8	14.5	B8-14.5'	5/5/2016	7440-47-3	Chromium	16	mg/kg	0.5
B9	14.5	B9-14.5'	5/5/2016	7440-47-3	Chromium	13.6	mg/kg	0.5
B10	14.5	B10-14.5'	5/5/2016	7440-47-3	Chromium	13.6	mg/kg	0.5
B11	14.5	B11-14.5'	5/5/2016	7440-47-3	Chromium	31.6	mg/kg	0.5
LB1	14.5	LB1-14.5'	5/6/2016	7440-47-3	Chromium	31.4	mg/kg	0.5
LB2	14.5	LB2-14.5'	5/6/2016	7440-47-3	Chromium	28.2	mg/kg	0.5
LB3	14.5	LB3-14.5'	5/6/2016	7440-47-3	Chromium	22.7	mg/kg	0.5
LB4	14.5	LB4-14.5'	5/5/2016	7440-47-3	Chromium	13.2	mg/kg	0.5
LB5	14.5	LB5-14.5'	5/5/2016	7440-47-3	Chromium	12.9	mg/kg	0.5
A1	14.5	A1-14.5'	5/4/2016	7440-47-3	Chromium	31.4	mg/kg	31.4
A2	14.5	A2-14.5'	5/4/2016	7440-47-3	Chromium	29.6	mg/kg	29.6
A3	14.5	A3-14.5'	5/4/2016	7440-47-3	Chromium	23.3	mg/kg	23.3
A4	14.5	A4-14.5'	5/4/2016	7440-47-3	Chromium	15.4	mg/kg	15.4
A12	17	A12-17'	5/5/2016	7440-47-3	Chromium	30.1	mg/kg	0.5
A13	17	A13-17'	5/5/2016	7440-47-3	Chromium	26	mg/kg	0.5
B12	17	B12-17'	5/5/2016	7440-47-3	Chromium	30.3	mg/kg	0.5
B13	17	B13-17'	5/6/2016	7440-47-3	Chromium	28.2	mg/kg	0.5
B14	17	B14-17'	5/6/2016	7440-47-3	Chromium	30.6	mg/kg	0.5
LB6	17	LB6-17'	5/5/2016	7440-47-3	Chromium	23.4	mg/kg	0.5
LB7	17	LB7-17'	5/5/2016	7440-47-3	Chromium	22.3	mg/kg	0.5
LB8	17	LB8-17'	5/5/2016	7440-47-3	Chromium	25.8	mg/kg	0.5
A5B	20.5	A5B-20.5'	5/4/2016	7440-47-3	Chromium	32.1	mg/kg	0.5
A6	20.5	A6-20.5'	5/5/2016	7440-47-3	Chromium	61.2	mg/kg	0.5
A6	20.5	A6-20.5'-D	5/5/2016	7440-47-3	Chromium	59.1	mg/kg	0.5
A7	20.5	A7-20.5'	5/5/2016	7440-47-3	Chromium	23.5	mg/kg	0.5
A8	20.5	A8-20.5'	5/5/2016	7440-47-3	Chromium	26.3	mg/kg	0.5
A9	20.5	A9-20.5'	5/5/2016	7440-47-3	Chromium	23.1	mg/kg	0.5
A9	20.5	A9-20.5'-D	5/5/2016	7440-47-3	Chromium	22.6	mg/kg	0.5
A10	20.5	A10-20.5'	5/5/2016	7440-47-3	Chromium	18	mg/kg	0.5
A11	20.5	A11-20.5'	5/5/2016	7440-47-3	Chromium	21.9	mg/kg	0.5
B2	20.5	B2-20.5'	5/5/2016	7440-47-3	Chromium	28.6	mg/kg	0.5
B6	20.5	B6-20.5'	5/4/2016	7440-47-3	Chromium	30	mg/kg	0.5
B7	20.5	B7-20.5'	5/5/2016	7440-47-3	Chromium	29.7	mg/kg	0.5
B8	20.5	B8-20.5'	5/5/2016	7440-47-3	Chromium	22.4	mg/kg	0.5
B9	20.5	B9-20.5'	5/5/2016	7440-47-3	Chromium	29.2	mg/kg	0.5

Appendix A-3
Chromium Analytical Results (14-45 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
B10	20.5	B10-20.5'	5/5/2016	7440-47-3	Chromium	30.7	mg/kg	0.5
B11	20.5	B11-20.5'	5/5/2016	7440-47-3	Chromium	24.7	mg/kg	0.5
LB1	20.5	LB1-20.5'	5/6/2016	7440-47-3	Chromium	26	mg/kg	0.5
LB2	20.5	LB2-20.5'	5/6/2016	7440-47-3	Chromium	32.8	mg/kg	0.5
LB3	20.5	LB3-20.5'	5/6/2016	7440-47-3	Chromium	30.5	mg/kg	0.5
LB4	20.5	LB4-20.5'	5/5/2016	7440-47-3	Chromium	31.2	mg/kg	0.5
LB5	20.5	LB5-20.5'	5/5/2016	7440-47-3	Chromium	31.1	mg/kg	0.5
A1	20.5	A1-20.5'	5/4/2016	7440-47-3	Chromium	26.8	mg/kg	26.8
A2	20.5	A2-20.5'	5/4/2016	7440-47-3	Chromium	28.5	mg/kg	28.5
A3	20.5	A3-20.5'	5/4/2016	7440-47-3	Chromium	21.8	mg/kg	21.8
A4	20.5	A4-20.5'	5/4/2016	7440-47-3	Chromium	20	mg/kg	20
A9	25.5	A9-25.5'	5/5/2016	7440-47-3	Chromium	12.6	mg/kg	0.5
A10	25.5	A10-25.5'	5/5/2016	7440-47-3	Chromium	13	mg/kg	0.5
B9	25.5	B9-25.5'	5/5/2016	7440-47-3	Chromium	17.7	mg/kg	0.5
B10	25.5	B10-25.5'	5/5/2016	7440-47-3	Chromium	30.4	mg/kg	0.5
A9	30.5	A9-30.5'	5/5/2016	7440-47-3	Chromium	10	mg/kg	0.5
A10	30.5	A10-30.5'	5/5/2016	7440-47-3	Chromium	19.2	mg/kg	0.5
B9	30.5	B9-30.5'	5/5/2016	7440-47-3	Chromium	18.7	mg/kg	0.5
B10	30.5	B10-30.5'	5/5/2016	7440-47-3	Chromium	16	mg/kg	0.5

Appendix B-4
Soil Vapor Data
(14-45 feet below ground surface)

Appendix A-4
Soil Vapor Analytical Results (14- 45 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
NP-1	19	NP-1-19	11/16/2017	630-20-6	1,1,1,2-Tetrachloroethane	<4	µg/m3	4
NP-1	19	NP-1-19 REP	11/16/2017	630-20-6	1,1,1,2-Tetrachloroethane	<4	µg/m3	4
NP-1	19	NP-1-19	11/16/2017	71-55-6	1,1,1-Trichloroethane	1100	µg/m3	4
NP-1	19	NP-1-19 REP	11/16/2017	71-55-6	1,1,1-Trichloroethane	1090	µg/m3	4
NP-1	19	NP-1-19	11/16/2017	79-34-5	1,1,2,2-Tetrachloroethane	<5	µg/m3	5
NP-1	19	NP-1-19 REP	11/16/2017	79-34-5	1,1,2,2-Tetrachloroethane	<5	µg/m3	5
NP-1	19	NP-1-19	11/16/2017	79-00-5	1,1,2-Trichloroethane	<4	µg/m3	4
NP-1	19	NP-1-19 REP	11/16/2017	79-00-5	1,1,2-Trichloroethane	<4	µg/m3	4
NP-1	19	NP-1-19	11/16/2017	563-58-6	1,1-dichloro-1-Propene	<4	µg/m3	4
NP-1	19	NP-1-19 REP	11/16/2017	563-58-6	1,1-dichloro-1-Propene	<4	µg/m3	4
NP-1	19	NP-1-19	11/16/2017	75-34-3	1,1-Dichloroethane	<4	µg/m3	4
NP-1	19	NP-1-19 REP	11/16/2017	75-34-3	1,1-Dichloroethane	<4	µg/m3	4
NP-1	19	NP-1-19	11/16/2017	75-35-4	1,1-Dichloroethene	<5	µg/m3	5
NP-1	19	NP-1-19 REP	11/16/2017	75-35-4	1,1-Dichloroethene	<5	µg/m3	5
NP-1	19	NP-1-19	11/16/2017	87-61-6	1,2,3-Trichlorobenzene	<6	µg/m3	6
NP-1	19	NP-1-19 REP	11/16/2017	87-61-6	1,2,3-Trichlorobenzene	<6	µg/m3	6
NP-1	19	NP-1-19	11/16/2017	96-18-4	1,2,3-Trichloropropane	<4	µg/m3	4
NP-1	19	NP-1-19 REP	11/16/2017	96-18-4	1,2,3-Trichloropropane	<4	µg/m3	4
NP-1	19	NP-1-19	11/16/2017	120-82-1	1,2,4-Trichlorobenzene	<5	µg/m3	5
NP-1	19	NP-1-19 REP	11/16/2017	120-82-1	1,2,4-Trichlorobenzene	<5	µg/m3	5
NP-1	19	NP-1-19	11/16/2017	96-12-8	1,2-Dibromo-3-Chloropropane	<6	µg/m3	6
NP-1	19	NP-1-19 REP	11/16/2017	96-12-8	1,2-Dibromo-3-Chloropropane	<6	µg/m3	6
NP-1	19	NP-1-19	11/16/2017	106-93-4	1,2-Dibromoethane	<3	µg/m3	3
NP-1	19	NP-1-19 REP	11/16/2017	106-93-4	1,2-Dibromoethane	<3	µg/m3	3
NP-1	19	NP-1-19	11/16/2017	95-50-1	1,2-Dichlorobenzene	<4	µg/m3	4
NP-1	19	NP-1-19 REP	11/16/2017	95-50-1	1,2-Dichlorobenzene	<4	µg/m3	4
NP-1	19	NP-1-19	11/16/2017	107-06-2	1,2-Dichloroethane	<5	µg/m3	5
NP-1	19	NP-1-19 REP	11/16/2017	107-06-2	1,2-Dichloroethane	<5	µg/m3	5
NP-1	19	NP-1-19	11/16/2017	78-87-5	1,2-Dichloropropane	<3	µg/m3	3
NP-1	19	NP-1-19 REP	11/16/2017	78-87-5	1,2-Dichloropropane	<3	µg/m3	3
NP-1	19	NP-1-19	11/16/2017	541-73-1	1,3-Dichlorobenzene	<4	µg/m3	4
NP-1	19	NP-1-19 REP	11/16/2017	541-73-1	1,3-Dichlorobenzene	<4	µg/m3	4
NP-1	19	NP-1-19	11/16/2017	142-28-9	1,3-Dichloropropane	<4	µg/m3	4
NP-1	19	NP-1-19 REP	11/16/2017	142-28-9	1,3-Dichloropropane	<4	µg/m3	4
NP-1	19	NP-1-19	11/16/2017	106-46-7	1,4-Dichlorobenzene	<3	µg/m3	3
NP-1	19	NP-1-19 REP	11/16/2017	106-46-7	1,4-Dichlorobenzene	<3	µg/m3	3
NP-1	19	NP-1-19	11/16/2017	594-20-7	2,2-Dichloropropane	<5	µg/m3	5
NP-1	19	NP-1-19 REP	11/16/2017	594-20-7	2,2-Dichloropropane	<5	µg/m3	5
NP-1	19	NP-1-19	11/16/2017	71-43-2	Benzene	<3	µg/m3	3
NP-1	19	NP-1-19 REP	11/16/2017	71-43-2	Benzene	<3	µg/m3	3
NP-1	19	NP-1-19	11/16/2017	98-82-8	Benzene, (1-methylethyl)-	<3	µg/m3	3
NP-1	19	NP-1-19 REP	11/16/2017	98-82-8	Benzene, (1-methylethyl)-	<3	µg/m3	3
NP-1	19	NP-1-19	11/16/2017	95-63-6	Benzene, 1,2,4-trimethyl-	<5	µg/m3	5
NP-1	19	NP-1-19 REP	11/16/2017	95-63-6	Benzene, 1,2,4-trimethyl-	<5	µg/m3	5
NP-1	19	NP-1-19	11/16/2017	108-67-8	Benzene, 1,3,5-trimethyl-	<4	µg/m3	4
NP-1	19	NP-1-19 REP	11/16/2017	108-67-8	Benzene, 1,3,5-trimethyl-	<4	µg/m3	4
NP-1	19	NP-1-19	11/16/2017	108-86-1	bromobenzene	<5	µg/m3	5
NP-1	19	NP-1-19 REP	11/16/2017	108-86-1	bromobenzene	<5	µg/m3	5
NP-1	19	NP-1-19	11/16/2017	75-25-2	Bromoform	<5	µg/m3	5
NP-1	19	NP-1-19 REP	11/16/2017	75-25-2	Bromoform	<5	µg/m3	5
NP-1	19	NP-1-19	11/16/2017	104-51-8	Butylbenzene	<4	µg/m3	4
NP-1	19	NP-1-19 REP	11/16/2017	104-51-8	Butylbenzene	<4	µg/m3	4
NP-1	19	NP-1-19	11/16/2017	56-23-5	Carbon Tetrachloride	<5	µg/m3	5
NP-1	19	NP-1-19 REP	11/16/2017	56-23-5	Carbon Tetrachloride	<5	µg/m3	5
NP-1	19	NP-1-19	11/16/2017	108-90-7	Chlorobenzene	<4	µg/m3	4
NP-1	19	NP-1-19 REP	11/16/2017	108-90-7	Chlorobenzene	<4	µg/m3	4
NP-1	19	NP-1-19	11/16/2017	124-48-1	Chlorodibromomethane	<4	µg/m3	4
NP-1	19	NP-1-19 REP	11/16/2017	124-48-1	Chlorodibromomethane	<4	µg/m3	4
NP-1	19	NP-1-19	11/16/2017	67-66-3	Chloroform	<3	µg/m3	3
NP-1	19	NP-1-19 REP	11/16/2017	67-66-3	Chloroform	<3	µg/m3	3
NP-1	19	NP-1-19	11/16/2017	156-59-2	cis-1,2-Dichloroethene	<3	µg/m3	3
NP-1	19	NP-1-19 REP	11/16/2017	156-59-2	cis-1,2-Dichloroethene	<3	µg/m3	3
NP-1	19	NP-1-19	11/16/2017	10061-01-5	cis-1,3-Dichloropropene	<3	µg/m3	3
NP-1	19	NP-1-19 REP	11/16/2017	10061-01-5	cis-1,3-Dichloropropene	<3	µg/m3	3

Appendix A-4
Soil Vapor Analytical Results (14- 45 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
NP-1	19	NP-1-19	11/16/2017	74-95-3	Dibromomethane	<3	µg/m3	3
NP-1	19	NP-1-19 REP	11/16/2017	74-95-3	Dibromomethane	<3	µg/m3	3
NP-1	19	NP-1-19	11/16/2017	75-27-4	Dichlorobromomethane	<3	µg/m3	3
NP-1	19	NP-1-19 REP	11/16/2017	75-27-4	Dichlorobromomethane	<3	µg/m3	3
NP-1	19	NP-1-19	11/16/2017	108-20-3	Diisopropyl Ether	<5	µg/m3	5
NP-1	19	NP-1-19 REP	11/16/2017	108-20-3	Diisopropyl Ether	<5	µg/m3	5
NP-1	19	NP-1-19	11/16/2017	100-41-4	Ethylbenzene	<4	µg/m3	4
NP-1	19	NP-1-19 REP	11/16/2017	100-41-4	Ethylbenzene	<4	µg/m3	4
NP-1	19	NP-1-19	11/16/2017	637-92-3	Ethyl-t-Butyl Ether (ETBE)	<22	µg/m3	22
NP-1	19	NP-1-19 REP	11/16/2017	637-92-3	Ethyl-t-Butyl Ether (ETBE)	<22	µg/m3	22
NP-1	19	NP-1-19	11/16/2017	75-69-4	Freon 11	<5	µg/m3	5
NP-1	19	NP-1-19 REP	11/16/2017	75-69-4	Freon 11	<5	µg/m3	5
NP-1	19	NP-1-19	11/16/2017	76-13-1	Freon 113	<5	µg/m3	5
NP-1	19	NP-1-19 REP	11/16/2017	76-13-1	Freon 113	<5	µg/m3	5
NP-1	19	NP-1-19	11/16/2017	75-71-8	Freon 12	78.8	µg/m3	5
NP-1	19	NP-1-19 REP	11/16/2017	75-71-8	Freon 12	89.6	µg/m3	5
NP-1	19	NP-1-19	11/16/2017	142-82-5	Heptane	<400	µg/m3	400
NP-1	19	NP-1-19 REP	11/16/2017	142-82-5	Heptane	<400	µg/m3	400
NP-1	19	NP-1-19	11/16/2017	87-68-3	Hexachlorobutadiene (HCBd)	<8	µg/m3	8
NP-1	19	NP-1-19 REP	11/16/2017	87-68-3	Hexachlorobutadiene (HCBd)	<8	µg/m3	8
NP-1	19	NP-1-19	11/16/2017	110-54-3	Hexane	<400	µg/m3	400
NP-1	19	NP-1-19 REP	11/16/2017	110-54-3	Hexane	<400	µg/m3	400
NP-1	19	NP-1-19	11/16/2017	179601-23-1	m&p-Xylenes	<6	µg/m3	6
NP-1	19	NP-1-19 REP	11/16/2017	179601-23-1	m&p-Xylenes	<6	µg/m3	6
NP-1	19	NP-1-19	11/16/2017	1634-04-4	Methyl tert-Butyl Ether (MTBE)	<9	µg/m3	9
NP-1	19	NP-1-19 REP	11/16/2017	1634-04-4	Methyl tert-Butyl Ether (MTBE)	<9	µg/m3	9
NP-1	19	NP-1-19	11/16/2017	75-09-2	Methylene Chloride (DCM)	<3	µg/m3	3
NP-1	19	NP-1-19 REP	11/16/2017	75-09-2	Methylene Chloride (DCM)	<3	µg/m3	3
NP-1	19	NP-1-19	11/16/2017	91-20-3	Naphthalene	<6	µg/m3	6
NP-1	19	NP-1-19 REP	11/16/2017	91-20-3	Naphthalene	<6	µg/m3	6
NP-1	19	NP-1-19	11/16/2017	103-65-1	n-Propylbenzene	<4	µg/m3	4
NP-1	19	NP-1-19 REP	11/16/2017	103-65-1	n-Propylbenzene	<4	µg/m3	4
NP-1	19	NP-1-19	11/16/2017	95-49-8	o-Chlorotoluene	<4	µg/m3	4
NP-1	19	NP-1-19 REP	11/16/2017	95-49-8	o-Chlorotoluene	<4	µg/m3	4
NP-1	19	NP-1-19	11/16/2017	95-47-6	o-Xylene	<5	µg/m3	5
NP-1	19	NP-1-19 REP	11/16/2017	95-47-6	o-Xylene	<5	µg/m3	5
NP-1	19	NP-1-19	11/16/2017	106-43-4	p-Chlorotoluene	<4	µg/m3	4
NP-1	19	NP-1-19 REP	11/16/2017	106-43-4	p-Chlorotoluene	<4	µg/m3	4
NP-1	19	NP-1-19	11/16/2017	99-87-6	p-Cymene	<4	µg/m3	4
NP-1	19	NP-1-19 REP	11/16/2017	99-87-6	p-Cymene	<4	µg/m3	4
NP-1	19	NP-1-19	11/16/2017	109-66-0	Pentane	<400	µg/m3	400
NP-1	19	NP-1-19 REP	11/16/2017	109-66-0	Pentane	<400	µg/m3	400
NP-1	19	NP-1-19	11/16/2017	135-98-8	sec-Butylbenzene	<4	µg/m3	4
NP-1	19	NP-1-19 REP	11/16/2017	135-98-8	sec-Butylbenzene	<4	µg/m3	4
NP-1	19	NP-1-19	11/16/2017	100-42-5	Styrene	<3	µg/m3	3
NP-1	19	NP-1-19 REP	11/16/2017	100-42-5	Styrene	<3	µg/m3	3
NP-1	19	NP-1-19	11/16/2017	994-05-8	Tert-Amyl Methyl Ether (TAME)	<6	µg/m3	6
NP-1	19	NP-1-19 REP	11/16/2017	994-05-8	Tert-Amyl Methyl Ether (TAME)	<6	µg/m3	6
NP-1	19	NP-1-19	11/16/2017	75-65-0	tert-Butyl Alcohol (TBA)	<38	µg/m3	38
NP-1	19	NP-1-19 REP	11/16/2017	75-65-0	tert-Butyl Alcohol (TBA)	<38	µg/m3	38
NP-1	19	NP-1-19	11/16/2017	98-06-6	tert-Butylbenzene	<4	µg/m3	4
NP-1	19	NP-1-19 REP	11/16/2017	98-06-6	tert-Butylbenzene	<4	µg/m3	4
NP-1	19	NP-1-19	11/16/2017	127-18-4	Tetrachloroethene (PCE)	26500	µg/m3	3
NP-1	19	NP-1-19 REP	11/16/2017	127-18-4	Tetrachloroethene (PCE)	20000	µg/m3	3
NP-1	19	NP-1-19	11/16/2017	108-88-3	Toluene	<3	µg/m3	3
NP-1	19	NP-1-19 REP	11/16/2017	108-88-3	Toluene	<3	µg/m3	3
NP-1	19	NP-1-19	11/16/2017	156-60-5	trans-1,2-Dichloroethene	<2	µg/m3	2
NP-1	19	NP-1-19 REP	11/16/2017	156-60-5	trans-1,2-Dichloroethene	<2	µg/m3	2
NP-1	19	NP-1-19	11/16/2017	10061-02-6	trans-1,3-Dichloropropene	<3	µg/m3	3
NP-1	19	NP-1-19 REP	11/16/2017	10061-02-6	trans-1,3-Dichloropropene	<3	µg/m3	3
NP-1	19	NP-1-19	11/16/2017	79-01-6	Trichloroethene (TCE)	38	µg/m3	3
NP-1	19	NP-1-19 REP	11/16/2017	79-01-6	Trichloroethene (TCE)	81.8	µg/m3	3
NP-1	19	NP-1-19	11/16/2017	75-01-4	Vinyl Chloride	<4	µg/m3	4
NP-1	19	NP-1-19 REP	11/16/2017	75-01-4	Vinyl Chloride	<4	µg/m3	4

Appendix A-4
Soil Vapor Analytical Results (14- 45 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
NP-2	15	NP-2-15	11/16/2017	630-20-6	1,1,1,2-Tetrachloroethane	145	µg/m3	4
NP-2	15	NP-2-15	11/16/2017	71-55-6	1,1,1-Trichloroethane	<4	µg/m3	4
NP-2	15	NP-2-15	11/16/2017	79-34-5	1,1,2,2-Tetrachloroethane	<5	µg/m3	5
NP-2	15	NP-2-15	11/16/2017	79-00-5	1,1,2-Trichloroethane	<4	µg/m3	4
NP-2	15	NP-2-15	11/16/2017	563-58-6	1,1-dichloro-1-Propene	<4	µg/m3	4
NP-2	15	NP-2-15	11/16/2017	75-34-3	1,1-Dichloroethane	<4	µg/m3	4
NP-2	15	NP-2-15	11/16/2017	75-35-4	1,1-Dichloroethene	<5	µg/m3	5
NP-2	15	NP-2-15	11/16/2017	87-61-6	1,2,3-Trichlorobenzene	<6	µg/m3	6
NP-2	15	NP-2-15	11/16/2017	96-18-4	1,2,3-Trichloropropane	<4	µg/m3	4
NP-2	15	NP-2-15	11/16/2017	120-82-1	1,2,4-Trichlorobenzene	<5	µg/m3	5
NP-2	15	NP-2-15	11/16/2017	96-12-8	1,2-Dibromo-3-Chloropropane	<6	µg/m3	6
NP-2	15	NP-2-15	11/16/2017	106-93-4	1,2-Dibromoethane	<3	µg/m3	3
NP-2	15	NP-2-15	11/16/2017	95-50-1	1,2-Dichlorobenzene	<4	µg/m3	4
NP-2	15	NP-2-15	11/16/2017	107-06-2	1,2-Dichloroethane	<5	µg/m3	5
NP-2	15	NP-2-15	11/16/2017	78-87-5	1,2-Dichloropropane	<3	µg/m3	3
NP-2	15	NP-2-15	11/16/2017	541-73-1	1,3-Dichlorobenzene	<4	µg/m3	4
NP-2	15	NP-2-15	11/16/2017	142-28-9	1,3-Dichloropropane	<4	µg/m3	4
NP-2	15	NP-2-15	11/16/2017	106-46-7	1,4-Dichlorobenzene	<3	µg/m3	3
NP-2	15	NP-2-15	11/16/2017	594-20-7	2,2-Dichloropropane	<5	µg/m3	5
NP-2	15	NP-2-15	11/16/2017	71-43-2	Benzene	<3	µg/m3	3
NP-2	15	NP-2-15	11/16/2017	98-82-8	Benzene, (1-methylethyl)-	<3	µg/m3	3
NP-2	15	NP-2-15	11/16/2017	95-63-6	Benzene, 1,2,4-trimethyl-	<5	µg/m3	5
NP-2	15	NP-2-15	11/16/2017	108-67-8	Benzene, 1,3,5-trimethyl-	<4	µg/m3	4
NP-2	15	NP-2-15	11/16/2017	108-86-1	bromobenzene	<5	µg/m3	5
NP-2	15	NP-2-15	11/16/2017	75-25-2	Bromoform	<5	µg/m3	5
NP-2	15	NP-2-15	11/16/2017	104-51-8	Butylbenzene	<4	µg/m3	4
NP-2	15	NP-2-15	11/16/2017	56-23-5	Carbon Tetrachloride	<5	µg/m3	5
NP-2	15	NP-2-15	11/16/2017	108-90-7	Chlorobenzene	<4	µg/m3	4
NP-2	15	NP-2-15	11/16/2017	124-48-1	Chlorodibromomethane	<4	µg/m3	4
NP-2	15	NP-2-15	11/16/2017	67-66-3	Chloroform	28.7	µg/m3	3
NP-2	15	NP-2-15	11/16/2017	156-59-2	cis-1,2-Dichloroethene	30.9	µg/m3	3
NP-2	15	NP-2-15	11/16/2017	10061-01-5	cis-1,3-Dichloropropene	<3	µg/m3	3
NP-2	15	NP-2-15	11/16/2017	74-95-3	Dibromomethane	<3	µg/m3	3
NP-2	15	NP-2-15	11/16/2017	75-27-4	Dichlorobromomethane	<3	µg/m3	3
NP-2	15	NP-2-15	11/16/2017	108-20-3	Diisopropyl Ether	<5	µg/m3	5
NP-2	15	NP-2-15	11/16/2017	100-41-4	Ethylbenzene	<4	µg/m3	4
NP-2	15	NP-2-15	11/16/2017	637-92-3	Ethyl-t-Butyl Ether (ETBE)	<22	µg/m3	22
NP-2	15	NP-2-15	11/16/2017	75-69-4	Freon 11	<5	µg/m3	5
NP-2	15	NP-2-15	11/16/2017	76-13-1	Freon 113	8	µg/m3	5
NP-2	15	NP-2-15	11/16/2017	75-71-8	Freon 12	357	µg/m3	5
NP-2	15	NP-2-15	11/16/2017	142-82-5	Heptane	<400	µg/m3	400
NP-2	15	NP-2-15	11/16/2017	87-68-3	Hexachlorobutadiene (HCBD)	<8	µg/m3	8
NP-2	15	NP-2-15	11/16/2017	110-54-3	Hexane	<400	µg/m3	400
NP-2	15	NP-2-15	11/16/2017	179601-23-1	m&p-Xylenes	<6	µg/m3	6
NP-2	15	NP-2-15	11/16/2017	1634-04-4	Methyl tert-Butyl Ether (MTBE)	<9	µg/m3	9
NP-2	15	NP-2-15	11/16/2017	75-09-2	Methylene Chloride (DCM)	<3	µg/m3	3
NP-2	15	NP-2-15	11/16/2017	91-20-3	Naphthalene	<6	µg/m3	6
NP-2	15	NP-2-15	11/16/2017	103-65-1	n-Propylbenzene	<4	µg/m3	4
NP-2	15	NP-2-15	11/16/2017	95-49-8	o-Chlorotoluene	<4	µg/m3	4
NP-2	15	NP-2-15	11/16/2017	95-47-6	o-Xylene	<5	µg/m3	5
NP-2	15	NP-2-15	11/16/2017	106-43-4	p-Chlorotoluene	<4	µg/m3	4
NP-2	15	NP-2-15	11/16/2017	99-87-6	p-Cymene	<4	µg/m3	4
NP-2	15	NP-2-15	11/16/2017	109-66-0	Pentane	<400	µg/m3	400
NP-2	15	NP-2-15	11/16/2017	135-98-8	sec-Butylbenzene	<4	µg/m3	4
NP-2	15	NP-2-15	11/16/2017	100-42-5	Styrene	<3	µg/m3	3
NP-2	15	NP-2-15	11/16/2017	994-05-8	Tert-Amyl Methyl Ether (TAME)	<6	µg/m3	6
NP-2	15	NP-2-15	11/16/2017	75-65-0	tert-Butyl Alcohol (TBA)	<38	µg/m3	38
NP-2	15	NP-2-15	11/16/2017	98-06-6	tert-Butylbenzene	<4	µg/m3	4
NP-2	15	NP-2-15	11/16/2017	127-18-4	Tetrachloroethene (PCE)	1270000	µg/m3	3
NP-2	15	NP-2-15	11/16/2017	108-88-3	Toluene	<3	µg/m3	3
NP-2	15	NP-2-15	11/16/2017	156-60-5	trans-1,2-Dichloroethene	<2	µg/m3	2
NP-2	15	NP-2-15	11/16/2017	10061-02-6	trans-1,3-Dichloropropene	<3	µg/m3	3
NP-2	15	NP-2-15	11/16/2017	79-01-6	Trichloroethene (TCE)	3350	µg/m3	3
NP-2	15	NP-2-15	11/16/2017	75-01-4	Vinyl Chloride	<4	µg/m3	4

Appendix A-4
Soil Vapor Analytical Results (14- 45 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
NP-2	37	NP-2-37	11/16/2017	630-20-6	1,1,1,2-Tetrachloroethane	147	µg/m3	4
NP-2	37	NP-2-37	11/16/2017	71-55-6	1,1,1-Trichloroethane	<4	µg/m3	4
NP-2	37	NP-2-37	11/16/2017	79-34-5	1,1,2,2-Tetrachloroethane	<5	µg/m3	5
NP-2	37	NP-2-37	11/16/2017	79-00-5	1,1,2-Trichloroethane	<4	µg/m3	4
NP-2	37	NP-2-37	11/16/2017	563-58-6	1,1-dichloro-1-Propene	<4	µg/m3	4
NP-2	37	NP-2-37	11/16/2017	75-34-3	1,1-Dichloroethane	<4	µg/m3	4
NP-2	37	NP-2-37	11/16/2017	75-35-4	1,1-Dichloroethene	<5	µg/m3	5
NP-2	37	NP-2-37	11/16/2017	87-61-6	1,2,3-Trichlorobenzene	<6	µg/m3	6
NP-2	37	NP-2-37	11/16/2017	96-18-4	1,2,3-Trichloropropane	<4	µg/m3	4
NP-2	37	NP-2-37	11/16/2017	120-82-1	1,2,4-Trichlorobenzene	<5	µg/m3	5
NP-2	37	NP-2-37	11/16/2017	96-12-8	1,2-Dibromo-3-Chloropropane	<6	µg/m3	6
NP-2	37	NP-2-37	11/16/2017	106-93-4	1,2-Dibromoethane	<3	µg/m3	3
NP-2	37	NP-2-37	11/16/2017	95-50-1	1,2-Dichlorobenzene	<4	µg/m3	4
NP-2	37	NP-2-37	11/16/2017	107-06-2	1,2-Dichloroethane	<5	µg/m3	5
NP-2	37	NP-2-37	11/16/2017	78-87-5	1,2-Dichloropropane	<3	µg/m3	3
NP-2	37	NP-2-37	11/16/2017	541-73-1	1,3-Dichlorobenzene	<4	µg/m3	4
NP-2	37	NP-2-37	11/16/2017	142-28-9	1,3-Dichloropropane	<4	µg/m3	4
NP-2	37	NP-2-37	11/16/2017	106-46-7	1,4-Dichlorobenzene	<3	µg/m3	3
NP-2	37	NP-2-37	11/16/2017	594-20-7	2,2-Dichloropropane	<5	µg/m3	5
NP-2	37	NP-2-37	11/16/2017	71-43-2	Benzene	<3	µg/m3	3
NP-2	37	NP-2-37	11/16/2017	98-82-8	Benzene, (1-methylethyl)-	<3	µg/m3	3
NP-2	37	NP-2-37	11/16/2017	95-63-6	Benzene, 1,2,4-trimethyl-	<5	µg/m3	5
NP-2	37	NP-2-37	11/16/2017	108-67-8	Benzene, 1,3,5-trimethyl-	<4	µg/m3	4
NP-2	37	NP-2-37	11/16/2017	108-86-1	bromobenzene	<5	µg/m3	5
NP-2	37	NP-2-37	11/16/2017	75-25-2	Bromoform	<5	µg/m3	5
NP-2	37	NP-2-37	11/16/2017	104-51-8	Butylbenzene	<4	µg/m3	4
NP-2	37	NP-2-37	11/16/2017	56-23-5	Carbon Tetrachloride	<5	µg/m3	5
NP-2	37	NP-2-37	11/16/2017	108-90-7	Chlorobenzene	<4	µg/m3	4
NP-2	37	NP-2-37	11/16/2017	124-48-1	Chlorodibromomethane	<4	µg/m3	4
NP-2	37	NP-2-37	11/16/2017	67-66-3	Chloroform	16.2	µg/m3	3
NP-2	37	NP-2-37	11/16/2017	156-59-2	cis-1,2-Dichloroethene	<3	µg/m3	3
NP-2	37	NP-2-37	11/16/2017	10061-01-5	cis-1,3-Dichloropropene	<3	µg/m3	3
NP-2	37	NP-2-37	11/16/2017	74-95-3	Dibromomethane	<3	µg/m3	3
NP-2	37	NP-2-37	11/16/2017	75-27-4	Dichlorobromomethane	<3	µg/m3	3
NP-2	37	NP-2-37	11/16/2017	108-20-3	Diisopropyl Ether	<5	µg/m3	5
NP-2	37	NP-2-37	11/16/2017	100-41-4	Ethylbenzene	<4	µg/m3	4
NP-2	37	NP-2-37	11/16/2017	637-92-3	Ethyl-t-Butyl Ether (ETBE)	<22	µg/m3	22
NP-2	37	NP-2-37	11/16/2017	75-69-4	Freon 11	<5	µg/m3	5
NP-2	37	NP-2-37	11/16/2017	76-13-1	Freon 113	41	µg/m3	5
NP-2	37	NP-2-37	11/16/2017	75-71-8	Freon 12	<5	µg/m3	5
NP-2	37	NP-2-37	11/16/2017	142-82-5	Heptane	<400	µg/m3	400
NP-2	37	NP-2-37	11/16/2017	87-68-3	Hexachlorobutadiene (HCBD)	<8	µg/m3	8
NP-2	37	NP-2-37	11/16/2017	110-54-3	Hexane	<400	µg/m3	400
NP-2	37	NP-2-37	11/16/2017	179601-23-1	m&p-Xylenes	<6	µg/m3	6
NP-2	37	NP-2-37	11/16/2017	1634-04-4	Methyl tert-Butyl Ether (MTBE)	<9	µg/m3	9
NP-2	37	NP-2-37	11/16/2017	75-09-2	Methylene Chloride (DCM)	<3	µg/m3	3
NP-2	37	NP-2-37	11/16/2017	91-20-3	Naphthalene	<6	µg/m3	6
NP-2	37	NP-2-37	11/16/2017	103-65-1	n-Propylbenzene	<4	µg/m3	4
NP-2	37	NP-2-37	11/16/2017	95-49-8	o-Chlorotoluene	<4	µg/m3	4
NP-2	37	NP-2-37	11/16/2017	95-47-6	o-Xylene	<5	µg/m3	5
NP-2	37	NP-2-37	11/16/2017	106-43-4	p-Chlorotoluene	<4	µg/m3	4
NP-2	37	NP-2-37	11/16/2017	99-87-6	p-Cymene	<4	µg/m3	4
NP-2	37	NP-2-37	11/16/2017	109-66-0	Pentane	<400	µg/m3	400
NP-2	37	NP-2-37	11/16/2017	135-98-8	sec-Butylbenzene	<4	µg/m3	4
NP-2	37	NP-2-37	11/16/2017	100-42-5	Styrene	<3	µg/m3	3
NP-2	37	NP-2-37	11/16/2017	994-05-8	Tert-Amyl Methyl Ether (TAME)	<6	µg/m3	6
NP-2	37	NP-2-37	11/16/2017	75-65-0	tert-Butyl Alcohol (TBA)	<38	µg/m3	38
NP-2	37	NP-2-37	11/16/2017	98-06-6	tert-Butylbenzene	<4	µg/m3	4
NP-2	37	NP-2-37	11/16/2017	127-18-4	Tetrachloroethene (PCE)	1450000	µg/m3	3
NP-2	37	NP-2-37	11/16/2017	108-88-3	Toluene	<3	µg/m3	3
NP-2	37	NP-2-37	11/16/2017	156-60-5	trans-1,2-Dichloroethene	<2	µg/m3	2
NP-2	37	NP-2-37	11/16/2017	10061-02-6	trans-1,3-Dichloropropene	<3	µg/m3	3
NP-2	37	NP-2-37	11/16/2017	79-01-6	Trichloroethene (TCE)	2600	µg/m3	3
NP-2	37	NP-2-37	11/16/2017	75-01-4	Vinyl Chloride	<4	µg/m3	4

Appendix A-4
Soil Vapor Analytical Results (14- 45 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
NP-3	13	NP-3-13	11/16/2017	630-20-6	1,1,1,2-Tetrachloroethane	502	µg/m3	4
NP-3	13	NP-3-13	11/16/2017	71-55-6	1,1,1-Trichloroethane	<4	µg/m3	4
NP-3	13	NP-3-13	11/16/2017	79-34-5	1,1,2,2-Tetrachloroethane	<5	µg/m3	5
NP-3	13	NP-3-13	11/16/2017	79-00-5	1,1,2-Trichloroethane	<4	µg/m3	4
NP-3	13	NP-3-13	11/16/2017	563-58-6	1,1-dichloro-1-Propene	<4	µg/m3	4
NP-3	13	NP-3-13	11/16/2017	75-34-3	1,1-Dichloroethane	<4	µg/m3	4
NP-3	13	NP-3-13	11/16/2017	75-35-4	1,1-Dichloroethene	<5	µg/m3	5
NP-3	13	NP-3-13	11/16/2017	87-61-6	1,2,3-Trichlorobenzene	<6	µg/m3	6
NP-3	13	NP-3-13	11/16/2017	96-18-4	1,2,3-Trichloropropane	<4	µg/m3	4
NP-3	13	NP-3-13	11/16/2017	120-82-1	1,2,4-Trichlorobenzene	<5	µg/m3	5
NP-3	13	NP-3-13	11/16/2017	96-12-8	1,2-Dibromo-3-Chloropropane	<6	µg/m3	6
NP-3	13	NP-3-13	11/16/2017	106-93-4	1,2-Dibromoethane	<3	µg/m3	3
NP-3	13	NP-3-13	11/16/2017	95-50-1	1,2-Dichlorobenzene	<4	µg/m3	4
NP-3	13	NP-3-13	11/16/2017	107-06-2	1,2-Dichloroethane	<5	µg/m3	5
NP-3	13	NP-3-13	11/16/2017	78-87-5	1,2-Dichloropropane	<3	µg/m3	3
NP-3	13	NP-3-13	11/16/2017	541-73-1	1,3-Dichlorobenzene	<4	µg/m3	4
NP-3	13	NP-3-13	11/16/2017	142-28-9	1,3-Dichloropropane	<4	µg/m3	4
NP-3	13	NP-3-13	11/16/2017	106-46-7	1,4-Dichlorobenzene	<3	µg/m3	3
NP-3	13	NP-3-13	11/16/2017	594-20-7	2,2-Dichloropropane	<5	µg/m3	5
NP-3	13	NP-3-13	11/16/2017	71-43-2	Benzene	<3	µg/m3	3
NP-3	13	NP-3-13	11/16/2017	98-82-8	Benzene, (1-methylethyl)-	<3	µg/m3	3
NP-3	13	NP-3-13	11/16/2017	95-63-6	Benzene, 1,2,4-trimethyl-	<5	µg/m3	5
NP-3	13	NP-3-13	11/16/2017	108-67-8	Benzene, 1,3,5-trimethyl-	<4	µg/m3	4
NP-3	13	NP-3-13	11/16/2017	108-86-1	bromobenzene	<5	µg/m3	5
NP-3	13	NP-3-13	11/16/2017	75-25-2	Bromoform	<5	µg/m3	5
NP-3	13	NP-3-13	11/16/2017	104-51-8	Butylbenzene	<4	µg/m3	4
NP-3	13	NP-3-13	11/16/2017	56-23-5	Carbon Tetrachloride	<5	µg/m3	5
NP-3	13	NP-3-13	11/16/2017	108-90-7	Chlorobenzene	<4	µg/m3	4
NP-3	13	NP-3-13	11/16/2017	124-48-1	Chlorodibromomethane	<4	µg/m3	4
NP-3	13	NP-3-13	11/16/2017	67-66-3	Chloroform	82.8	µg/m3	3
NP-3	13	NP-3-13	11/16/2017	156-59-2	cis-1,2-Dichloroethene	<3	µg/m3	3
NP-3	13	NP-3-13	11/16/2017	10061-01-5	cis-1,3-Dichloropropene	<3	µg/m3	3
NP-3	13	NP-3-13	11/16/2017	74-95-3	Dibromomethane	<3	µg/m3	3
NP-3	13	NP-3-13	11/16/2017	75-27-4	Dichlorobromomethane	<3	µg/m3	3
NP-3	13	NP-3-13	11/16/2017	108-20-3	Diisopropyl Ether	<5	µg/m3	5
NP-3	13	NP-3-13	11/16/2017	100-41-4	Ethylbenzene	<4	µg/m3	4
NP-3	13	NP-3-13	11/16/2017	637-92-3	Ethyl-t-Butyl Ether (ETBE)	<22	µg/m3	22
NP-3	13	NP-3-13	11/16/2017	75-69-4	Freon 11	<5	µg/m3	5
NP-3	13	NP-3-13	11/16/2017	76-13-1	Freon 113	17	µg/m3	5
NP-3	13	NP-3-13	11/16/2017	75-71-8	Freon 12	208	µg/m3	5
NP-3	13	NP-3-13	11/16/2017	142-82-5	Heptane	<400	µg/m3	400
NP-3	13	NP-3-13	11/16/2017	87-68-3	Hexachlorobutadiene (HCBD)	<8	µg/m3	8
NP-3	13	NP-3-13	11/16/2017	110-54-3	Hexane	<400	µg/m3	400
NP-3	13	NP-3-13	11/16/2017	179601-23-1	m&p-Xylenes	<6	µg/m3	6
NP-3	13	NP-3-13	11/16/2017	1634-04-4	Methyl tert-Butyl Ether (MTBE)	<9	µg/m3	9
NP-3	13	NP-3-13	11/16/2017	75-09-2	Methylene Chloride (DCM)	<3	µg/m3	3
NP-3	13	NP-3-13	11/16/2017	91-20-3	Naphthalene	<6	µg/m3	6
NP-3	13	NP-3-13	11/16/2017	103-65-1	n-Propylbenzene	<4	µg/m3	4
NP-3	13	NP-3-13	11/16/2017	95-49-8	o-Chlorotoluene	<4	µg/m3	4
NP-3	13	NP-3-13	11/16/2017	95-47-6	o-Xylene	<5	µg/m3	5
NP-3	13	NP-3-13	11/16/2017	106-43-4	p-Chlorotoluene	<4	µg/m3	4
NP-3	13	NP-3-13	11/16/2017	99-87-6	p-Cymene	<4	µg/m3	4
NP-3	13	NP-3-13	11/16/2017	109-66-0	Pentane	<400	µg/m3	400
NP-3	13	NP-3-13	11/16/2017	135-98-8	sec-Butylbenzene	<4	µg/m3	4
NP-3	13	NP-3-13	11/16/2017	100-42-5	Styrene	<3	µg/m3	3
NP-3	13	NP-3-13	11/16/2017	994-05-8	Tert-Amyl Methyl Ether (TAME)	<6	µg/m3	6
NP-3	13	NP-3-13	11/16/2017	75-65-0	tert-Butyl Alcohol (TBA)	<38	µg/m3	38
NP-3	13	NP-3-13	11/16/2017	98-06-6	tert-Butylbenzene	<4	µg/m3	4
NP-3	13	NP-3-13	11/16/2017	127-18-4	Tetrachloroethene (PCE)	5120000	µg/m3	3
NP-3	13	NP-3-13	11/16/2017	108-88-3	Toluene	<3	µg/m3	3
NP-3	13	NP-3-13	11/16/2017	156-60-5	trans-1,2-Dichloroethene	9.6	µg/m3	2
NP-3	13	NP-3-13	11/16/2017	10061-02-6	trans-1,3-Dichloropropene	<3	µg/m3	3
NP-3	13	NP-3-13	11/16/2017	79-01-6	Trichloroethene (TCE)	5120	µg/m3	3
NP-3	13	NP-3-13	11/16/2017	75-01-4	Vinyl Chloride	<4	µg/m3	4

Appendix A-4
Soil Vapor Analytical Results (14- 45 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
NP-3	33	NP-3-33	11/16/2017	630-20-6	1,1,1,2-Tetrachloroethane	1240	µg/m3	4
NP-3	33	NP-3-33	11/16/2017	71-55-6	1,1,1-Trichloroethane	8	µg/m3	4
NP-3	33	NP-3-33	11/16/2017	79-34-5	1,1,2,2-Tetrachloroethane	<5	µg/m3	5
NP-3	33	NP-3-33	11/16/2017	79-00-5	1,1,2-Trichloroethane	<4	µg/m3	4
NP-3	33	NP-3-33	11/16/2017	563-58-6	1,1-dichloro-1-Propene	<4	µg/m3	4
NP-3	33	NP-3-33	11/16/2017	75-34-3	1,1-Dichloroethane	<4	µg/m3	4
NP-3	33	NP-3-33	11/16/2017	75-35-4	1,1-Dichloroethene	13.6	µg/m3	5
NP-3	33	NP-3-33	11/16/2017	87-61-6	1,2,3-Trichlorobenzene	<6	µg/m3	6
NP-3	33	NP-3-33	11/16/2017	96-18-4	1,2,3-Trichloropropane	<4	µg/m3	4
NP-3	33	NP-3-33	11/16/2017	120-82-1	1,2,4-Trichlorobenzene	<5	µg/m3	5
NP-3	33	NP-3-33	11/16/2017	96-12-8	1,2-Dibromo-3-Chloropropane	<6	µg/m3	6
NP-3	33	NP-3-33	11/16/2017	106-93-4	1,2-Dibromoethane	<3	µg/m3	3
NP-3	33	NP-3-33	11/16/2017	95-50-1	1,2-Dichlorobenzene	<4	µg/m3	4
NP-3	33	NP-3-33	11/16/2017	107-06-2	1,2-Dichloroethane	<5	µg/m3	5
NP-3	33	NP-3-33	11/16/2017	78-87-5	1,2-Dichloropropane	<3	µg/m3	3
NP-3	33	NP-3-33	11/16/2017	541-73-1	1,3-Dichlorobenzene	<4	µg/m3	4
NP-3	33	NP-3-33	11/16/2017	142-28-9	1,3-Dichloropropane	<4	µg/m3	4
NP-3	33	NP-3-33	11/16/2017	106-46-7	1,4-Dichlorobenzene	<3	µg/m3	3
NP-3	33	NP-3-33	11/16/2017	594-20-7	2,2-Dichloropropane	<5	µg/m3	5
NP-3	33	NP-3-33	11/16/2017	71-43-2	Benzene	<3	µg/m3	3
NP-3	33	NP-3-33	11/16/2017	98-82-8	Benzene, (1-methylethyl)-	<3	µg/m3	3
NP-3	33	NP-3-33	11/16/2017	95-63-6	Benzene, 1,2,4-trimethyl-	<5	µg/m3	5
NP-3	33	NP-3-33	11/16/2017	108-67-8	Benzene, 1,3,5-trimethyl-	<4	µg/m3	4
NP-3	33	NP-3-33	11/16/2017	108-86-1	bromobenzene	<5	µg/m3	5
NP-3	33	NP-3-33	11/16/2017	75-25-2	Bromoform	<5	µg/m3	5
NP-3	33	NP-3-33	11/16/2017	104-51-8	Butylbenzene	<4	µg/m3	4
NP-3	33	NP-3-33	11/16/2017	56-23-5	Carbon Tetrachloride	<5	µg/m3	5
NP-3	33	NP-3-33	11/16/2017	108-90-7	Chlorobenzene	<4	µg/m3	4
NP-3	33	NP-3-33	11/16/2017	124-48-1	Chlorodibromomethane	<4	µg/m3	4
NP-3	33	NP-3-33	11/16/2017	67-66-3	Chloroform	97.8	µg/m3	3
NP-3	33	NP-3-33	11/16/2017	156-59-2	cis-1,2-Dichloroethene	19.6	µg/m3	3
NP-3	33	NP-3-33	11/16/2017	10061-01-5	cis-1,3-Dichloropropene	<3	µg/m3	3
NP-3	33	NP-3-33	11/16/2017	74-95-3	Dibromomethane	<3	µg/m3	3
NP-3	33	NP-3-33	11/16/2017	75-27-4	Dichlorobromomethane	<3	µg/m3	3
NP-3	33	NP-3-33	11/16/2017	108-20-3	Diisopropyl Ether	<5	µg/m3	5
NP-3	33	NP-3-33	11/16/2017	100-41-4	Ethylbenzene	<4	µg/m3	4
NP-3	33	NP-3-33	11/16/2017	637-92-3	Ethyl-t-Butyl Ether (ETBE)	<22	µg/m3	22
NP-3	33	NP-3-33	11/16/2017	75-69-4	Freon 11	<5	µg/m3	5
NP-3	33	NP-3-33	11/16/2017	76-13-1	Freon 113	37	µg/m3	5
NP-3	33	NP-3-33	11/16/2017	75-71-8	Freon 12	471	µg/m3	5
NP-3	33	NP-3-33	11/16/2017	142-82-5	Heptane	<400	µg/m3	400
NP-3	33	NP-3-33	11/16/2017	87-68-3	Hexachlorobutadiene (HCBD)	<8	µg/m3	8
NP-3	33	NP-3-33	11/16/2017	110-54-3	Hexane	<400	µg/m3	400
NP-3	33	NP-3-33	11/16/2017	179601-23-1	m&p-Xylenes	<6	µg/m3	6
NP-3	33	NP-3-33	11/16/2017	1634-04-4	Methyl tert-Butyl Ether (MTBE)	<9	µg/m3	9
NP-3	33	NP-3-33	11/16/2017	75-09-2	Methylene Chloride (DCM)	<3	µg/m3	3
NP-3	33	NP-3-33	11/16/2017	91-20-3	Naphthalene	<6	µg/m3	6
NP-3	33	NP-3-33	11/16/2017	103-65-1	n-Propylbenzene	<4	µg/m3	4
NP-3	33	NP-3-33	11/16/2017	95-49-8	o-Chlorotoluene	<4	µg/m3	4
NP-3	33	NP-3-33	11/16/2017	95-47-6	o-Xylene	<5	µg/m3	5
NP-3	33	NP-3-33	11/16/2017	106-43-4	p-Chlorotoluene	<4	µg/m3	4
NP-3	33	NP-3-33	11/16/2017	99-87-6	p-Cymene	<4	µg/m3	4
NP-3	33	NP-3-33	11/16/2017	109-66-0	Pentane	<400	µg/m3	400
NP-3	33	NP-3-33	11/16/2017	135-98-8	sec-Butylbenzene	<4	µg/m3	4
NP-3	33	NP-3-33	11/16/2017	100-42-5	Styrene	<3	µg/m3	3
NP-3	33	NP-3-33	11/16/2017	994-05-8	Tert-Amyl Methyl Ether (TAME)	<6	µg/m3	6
NP-3	33	NP-3-33	11/16/2017	75-65-0	tert-Butyl Alcohol (TBA)	<38	µg/m3	38
NP-3	33	NP-3-33	11/16/2017	98-06-6	tert-Butylbenzene	<4	µg/m3	4
NP-3	33	NP-3-33	11/16/2017	127-18-4	Tetrachloroethene (PCE)	8030000	µg/m3	3
NP-3	33	NP-3-33	11/16/2017	108-88-3	Toluene	20.2	µg/m3	3
NP-3	33	NP-3-33	11/16/2017	156-60-5	trans-1,2-Dichloroethene	10.2	µg/m3	2
NP-3	33	NP-3-33	11/16/2017	10061-02-6	trans-1,3-Dichloropropene	<3	µg/m3	3
NP-3	33	NP-3-33	11/16/2017	79-01-6	Trichloroethene (TCE)	4790	µg/m3	3
NP-3	33	NP-3-33	11/16/2017	75-01-4	Vinyl Chloride	<4	µg/m3	4

Appendix A-4
Soil Vapor Analytical Results (14- 45 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
NP-4	13	NP-4-13	11/16/2017	630-20-6	1,1,1,2-Tetrachloroethane	<4	µg/m3	4
NP-4	13	NP-4-13	11/16/2017	71-55-6	1,1,1-Trichloroethane	15	µg/m3	4
NP-4	13	NP-4-13	11/16/2017	79-34-5	1,1,2,2-Tetrachloroethane	<5	µg/m3	5
NP-4	13	NP-4-13	11/16/2017	79-00-5	1,1,2-Trichloroethane	<4	µg/m3	4
NP-4	13	NP-4-13	11/16/2017	563-58-6	1,1-dichloro-1-Propene	<4	µg/m3	4
NP-4	13	NP-4-13	11/16/2017	75-34-3	1,1-Dichloroethane	<4	µg/m3	4
NP-4	13	NP-4-13	11/16/2017	75-35-4	1,1-Dichloroethene	<5	µg/m3	5
NP-4	13	NP-4-13	11/16/2017	87-61-6	1,2,3-Trichlorobenzene	<6	µg/m3	6
NP-4	13	NP-4-13	11/16/2017	96-18-4	1,2,3-Trichloropropane	<4	µg/m3	4
NP-4	13	NP-4-13	11/16/2017	120-82-1	1,2,4-Trichlorobenzene	<5	µg/m3	5
NP-4	13	NP-4-13	11/16/2017	96-12-8	1,2-Dibromo-3-Chloropropane	<6	µg/m3	6
NP-4	13	NP-4-13	11/16/2017	106-93-4	1,2-Dibromoethane	<3	µg/m3	3
NP-4	13	NP-4-13	11/16/2017	95-50-1	1,2-Dichlorobenzene	<4	µg/m3	4
NP-4	13	NP-4-13	11/16/2017	107-06-2	1,2-Dichloroethane	<5	µg/m3	5
NP-4	13	NP-4-13	11/16/2017	78-87-5	1,2-Dichloropropane	<3	µg/m3	3
NP-4	13	NP-4-13	11/16/2017	541-73-1	1,3-Dichlorobenzene	<4	µg/m3	4
NP-4	13	NP-4-13	11/16/2017	142-28-9	1,3-Dichloropropane	<4	µg/m3	4
NP-4	13	NP-4-13	11/16/2017	106-46-7	1,4-Dichlorobenzene	<3	µg/m3	3
NP-4	13	NP-4-13	11/16/2017	594-20-7	2,2-Dichloropropane	<5	µg/m3	5
NP-4	13	NP-4-13	11/16/2017	71-43-2	Benzene	<3	µg/m3	3
NP-4	13	NP-4-13	11/16/2017	98-82-8	Benzene, (1-methylethyl)-	<3	µg/m3	3
NP-4	13	NP-4-13	11/16/2017	95-63-6	Benzene, 1,2,4-trimethyl-	<5	µg/m3	5
NP-4	13	NP-4-13	11/16/2017	108-67-8	Benzene, 1,3,5-trimethyl-	<4	µg/m3	4
NP-4	13	NP-4-13	11/16/2017	108-86-1	bromobenzene	<5	µg/m3	5
NP-4	13	NP-4-13	11/16/2017	75-25-2	Bromoform	<5	µg/m3	5
NP-4	13	NP-4-13	11/16/2017	104-51-8	Butylbenzene	<4	µg/m3	4
NP-4	13	NP-4-13	11/16/2017	56-23-5	Carbon Tetrachloride	<5	µg/m3	5
NP-4	13	NP-4-13	11/16/2017	108-90-7	Chlorobenzene	<4	µg/m3	4
NP-4	13	NP-4-13	11/16/2017	124-48-1	Chlorodibromomethane	<4	µg/m3	4
NP-4	13	NP-4-13	11/16/2017	67-66-3	Chloroform	<3	µg/m3	3
NP-4	13	NP-4-13	11/16/2017	156-59-2	cis-1,2-Dichloroethene	<3	µg/m3	3
NP-4	13	NP-4-13	11/16/2017	10061-01-5	cis-1,3-Dichloropropene	<3	µg/m3	3
NP-4	13	NP-4-13	11/16/2017	74-95-3	Dibromomethane	<3	µg/m3	3
NP-4	13	NP-4-13	11/16/2017	75-27-4	Dichlorobromomethane	<3	µg/m3	3
NP-4	13	NP-4-13	11/16/2017	108-20-3	Diisopropyl Ether	<5	µg/m3	5
NP-4	13	NP-4-13	11/16/2017	100-41-4	Ethylbenzene	<4	µg/m3	4
NP-4	13	NP-4-13	11/16/2017	637-92-3	Ethyl-t-Butyl Ether (ETBE)	<22	µg/m3	22
NP-4	13	NP-4-13	11/16/2017	75-69-4	Freon 11	<5	µg/m3	5
NP-4	13	NP-4-13	11/16/2017	76-13-1	Freon 113	32	µg/m3	5
NP-4	13	NP-4-13	11/16/2017	75-71-8	Freon 12	485	µg/m3	5
NP-4	13	NP-4-13	11/16/2017	142-82-5	Heptane	<400	µg/m3	400
NP-4	13	NP-4-13	11/16/2017	87-68-3	Hexachlorobutadiene (HCBD)	<8	µg/m3	8
NP-4	13	NP-4-13	11/16/2017	110-54-3	Hexane	<400	µg/m3	400
NP-4	13	NP-4-13	11/16/2017	179601-23-1	m&p-Xylenes	<6	µg/m3	6
NP-4	13	NP-4-13	11/16/2017	1634-04-4	Methyl tert-Butyl Ether (MTBE)	<9	µg/m3	9
NP-4	13	NP-4-13	11/16/2017	75-09-2	Methylene Chloride (DCM)	<3	µg/m3	3
NP-4	13	NP-4-13	11/16/2017	91-20-3	Naphthalene	<6	µg/m3	6
NP-4	13	NP-4-13	11/16/2017	103-65-1	n-Propylbenzene	<4	µg/m3	4
NP-4	13	NP-4-13	11/16/2017	95-49-8	o-Chlorotoluene	<4	µg/m3	4
NP-4	13	NP-4-13	11/16/2017	95-47-6	o-Xylene	<5	µg/m3	5
NP-4	13	NP-4-13	11/16/2017	106-43-4	p-Chlorotoluene	<4	µg/m3	4
NP-4	13	NP-4-13	11/16/2017	99-87-6	p-Cymene	<4	µg/m3	4
NP-4	13	NP-4-13	11/16/2017	109-66-0	Pentane	<400	µg/m3	400
NP-4	13	NP-4-13	11/16/2017	135-98-8	sec-Butylbenzene	<4	µg/m3	4
NP-4	13	NP-4-13	11/16/2017	100-42-5	Styrene	<3	µg/m3	3
NP-4	13	NP-4-13	11/16/2017	994-05-8	Tert-Amyl Methyl Ether (TAME)	<6	µg/m3	6
NP-4	13	NP-4-13	11/16/2017	75-65-0	tert-Butyl Alcohol (TBA)	<38	µg/m3	38
NP-4	13	NP-4-13	11/16/2017	98-06-6	tert-Butylbenzene	<4	µg/m3	4
NP-4	13	NP-4-13	11/16/2017	127-18-4	Tetrachloroethene (PCE)	1890000	µg/m3	3
NP-4	13	NP-4-13	11/16/2017	108-88-3	Toluene	<3	µg/m3	3
NP-4	13	NP-4-13	11/16/2017	156-60-5	trans-1,2-Dichloroethene	<2	µg/m3	2
NP-4	13	NP-4-13	11/16/2017	10061-02-6	trans-1,3-Dichloropropene	<3	µg/m3	3
NP-4	13	NP-4-13	11/16/2017	79-01-6	Trichloroethene (TCE)	2340	µg/m3	3
NP-4	13	NP-4-13	11/16/2017	75-01-4	Vinyl Chloride	<4	µg/m3	4

Appendix A-4
Soil Vapor Analytical Results (14- 45 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
NP-4	35	NP-4-35	11/16/2017	630-20-6	1,1,1,2-Tetrachloroethane	5530	µg/m3	4
NP-4	35	NP-4-35	11/16/2017	71-55-6	1,1,1-Trichloroethane	<4	µg/m3	4
NP-4	35	NP-4-35	11/16/2017	79-34-5	1,1,2,2-Tetrachloroethane	<5	µg/m3	5
NP-4	35	NP-4-35	11/16/2017	79-00-5	1,1,2-Trichloroethane	<4	µg/m3	4
NP-4	35	NP-4-35	11/16/2017	563-58-6	1,1-dichloro-1-Propene	<4	µg/m3	4
NP-4	35	NP-4-35	11/16/2017	75-34-3	1,1-Dichloroethane	<4	µg/m3	4
NP-4	35	NP-4-35	11/16/2017	75-35-4	1,1-Dichloroethene	25.8	µg/m3	5
NP-4	35	NP-4-35	11/16/2017	87-61-6	1,2,3-Trichlorobenzene	<6	µg/m3	6
NP-4	35	NP-4-35	11/16/2017	96-18-4	1,2,3-Trichloropropane	<4	µg/m3	4
NP-4	35	NP-4-35	11/16/2017	120-82-1	1,2,4-Trichlorobenzene	<5	µg/m3	5
NP-4	35	NP-4-35	11/16/2017	96-12-8	1,2-Dibromo-3-Chloropropane	<6	µg/m3	6
NP-4	35	NP-4-35	11/16/2017	106-93-4	1,2-Dibromoethane	<3	µg/m3	3
NP-4	35	NP-4-35	11/16/2017	95-50-1	1,2-Dichlorobenzene	<4	µg/m3	4
NP-4	35	NP-4-35	11/16/2017	107-06-2	1,2-Dichloroethane	<5	µg/m3	5
NP-4	35	NP-4-35	11/16/2017	78-87-5	1,2-Dichloropropane	<3	µg/m3	3
NP-4	35	NP-4-35	11/16/2017	541-73-1	1,3-Dichlorobenzene	<4	µg/m3	4
NP-4	35	NP-4-35	11/16/2017	142-28-9	1,3-Dichloropropane	<4	µg/m3	4
NP-4	35	NP-4-35	11/16/2017	106-46-7	1,4-Dichlorobenzene	<3	µg/m3	3
NP-4	35	NP-4-35	11/16/2017	594-20-7	2,2-Dichloropropane	<5	µg/m3	5
NP-4	35	NP-4-35	11/16/2017	71-43-2	Benzene	<3	µg/m3	3
NP-4	35	NP-4-35	11/16/2017	98-82-8	Benzene, (1-methylethyl)-	<3	µg/m3	3
NP-4	35	NP-4-35	11/16/2017	95-63-6	Benzene, 1,2,4-trimethyl-	<5	µg/m3	5
NP-4	35	NP-4-35	11/16/2017	108-67-8	Benzene, 1,3,5-trimethyl-	<4	µg/m3	4
NP-4	35	NP-4-35	11/16/2017	108-86-1	bromobenzene	<5	µg/m3	5
NP-4	35	NP-4-35	11/16/2017	75-25-2	Bromoform	<5	µg/m3	5
NP-4	35	NP-4-35	11/16/2017	104-51-8	Butylbenzene	<4	µg/m3	4
NP-4	35	NP-4-35	11/16/2017	56-23-5	Carbon Tetrachloride	<5	µg/m3	5
NP-4	35	NP-4-35	11/16/2017	108-90-7	Chlorobenzene	<4	µg/m3	4
NP-4	35	NP-4-35	11/16/2017	124-48-1	Chlorodibromomethane	<4	µg/m3	4
NP-4	35	NP-4-35	11/16/2017	67-66-3	Chloroform	<3	µg/m3	3
NP-4	35	NP-4-35	11/16/2017	156-59-2	cis-1,2-Dichloroethene	<3	µg/m3	3
NP-4	35	NP-4-35	11/16/2017	10061-01-5	cis-1,3-Dichloropropene	<3	µg/m3	3
NP-4	35	NP-4-35	11/16/2017	74-95-3	Dibromomethane	<3	µg/m3	3
NP-4	35	NP-4-35	11/16/2017	75-27-4	Dichlorobromomethane	<3	µg/m3	3
NP-4	35	NP-4-35	11/16/2017	108-20-3	Diisopropyl Ether	<5	µg/m3	5
NP-4	35	NP-4-35	11/16/2017	100-41-4	Ethylbenzene	<4	µg/m3	4
NP-4	35	NP-4-35	11/16/2017	637-92-3	Ethyl-t-Butyl Ether (ETBE)	<22	µg/m3	22
NP-4	35	NP-4-35	11/16/2017	75-69-4	Freon 11	<5	µg/m3	5
NP-4	35	NP-4-35	11/16/2017	76-13-1	Freon 113	84.4	µg/m3	5
NP-4	35	NP-4-35	11/16/2017	75-71-8	Freon 12	<5	µg/m3	5
NP-4	35	NP-4-35	11/16/2017	142-82-5	Heptane	<400	µg/m3	400
NP-4	35	NP-4-35	11/16/2017	87-68-3	Hexachlorobutadiene (HCBD)	<8	µg/m3	8
NP-4	35	NP-4-35	11/16/2017	110-54-3	Hexane	<400	µg/m3	400
NP-4	35	NP-4-35	11/16/2017	179601-23-1	m&p-Xylenes	<6	µg/m3	6
NP-4	35	NP-4-35	11/16/2017	1634-04-4	Methyl tert-Butyl Ether (MTBE)	<9	µg/m3	9
NP-4	35	NP-4-35	11/16/2017	75-09-2	Methylene Chloride (DCM)	<3	µg/m3	3
NP-4	35	NP-4-35	11/16/2017	91-20-3	Naphthalene	<6	µg/m3	6
NP-4	35	NP-4-35	11/16/2017	103-65-1	n-Propylbenzene	<4	µg/m3	4
NP-4	35	NP-4-35	11/16/2017	95-49-8	o-Chlorotoluene	<4	µg/m3	4
NP-4	35	NP-4-35	11/16/2017	95-47-6	o-Xylene	<5	µg/m3	5
NP-4	35	NP-4-35	11/16/2017	106-43-4	p-Chlorotoluene	<4	µg/m3	4
NP-4	35	NP-4-35	11/16/2017	99-87-6	p-Cymene	<4	µg/m3	4
NP-4	35	NP-4-35	11/16/2017	109-66-0	Pentane	<400	µg/m3	400
NP-4	35	NP-4-35	11/16/2017	135-98-8	sec-Butylbenzene	<4	µg/m3	4
NP-4	35	NP-4-35	11/16/2017	100-42-5	Styrene	<3	µg/m3	3
NP-4	35	NP-4-35	11/16/2017	994-05-8	Tert-Amyl Methyl Ether (TAME)	<6	µg/m3	6
NP-4	35	NP-4-35	11/16/2017	75-65-0	tert-Butyl Alcohol (TBA)	<38	µg/m3	38
NP-4	35	NP-4-35	11/16/2017	98-06-6	tert-Butylbenzene	<4	µg/m3	4
NP-4	35	NP-4-35	11/16/2017	127-18-4	Tetrachloroethene (PCE)	1790000	µg/m3	3
NP-4	35	NP-4-35	11/16/2017	108-88-3	Toluene	<3	µg/m3	3
NP-4	35	NP-4-35	11/16/2017	156-60-5	trans-1,2-Dichloroethene	<2	µg/m3	2
NP-4	35	NP-4-35	11/16/2017	10061-02-6	trans-1,3-Dichloropropene	<3	µg/m3	3
NP-4	35	NP-4-35	11/16/2017	79-01-6	Trichloroethene (TCE)	3430	µg/m3	3
NP-4	35	NP-4-35	11/16/2017	75-01-4	Vinyl Chloride	<4	µg/m3	4

Appendix A-4
Soil Vapor Analytical Results (14- 45 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
NP-5	15	NP-5-15	11/16/2017	630-20-6	1,1,1,2-Tetrachloroethane	<4	µg/m3	4
NP-5	15	NP-5-15	11/16/2017	71-55-6	1,1,1-Trichloroethane	<4	µg/m3	4
NP-5	15	NP-5-15	11/16/2017	79-34-5	1,1,2,2-Tetrachloroethane	<5	µg/m3	5
NP-5	15	NP-5-15	11/16/2017	79-00-5	1,1,2-Trichloroethane	<4	µg/m3	4
NP-5	15	NP-5-15	11/16/2017	563-58-6	1,1-dichloro-1-Propene	<4	µg/m3	4
NP-5	15	NP-5-15	11/16/2017	75-34-3	1,1-Dichloroethane	<4	µg/m3	4
NP-5	15	NP-5-15	11/16/2017	75-35-4	1,1-Dichloroethene	<5	µg/m3	5
NP-5	15	NP-5-15	11/16/2017	87-61-6	1,2,3-Trichlorobenzene	<6	µg/m3	6
NP-5	15	NP-5-15	11/16/2017	96-18-4	1,2,3-Trichloropropane	<4	µg/m3	4
NP-5	15	NP-5-15	11/16/2017	120-82-1	1,2,4-Trichlorobenzene	<5	µg/m3	5
NP-5	15	NP-5-15	11/16/2017	96-12-8	1,2-Dibromo-3-Chloropropane	<6	µg/m3	6
NP-5	15	NP-5-15	11/16/2017	106-93-4	1,2-Dibromoethane	<3	µg/m3	3
NP-5	15	NP-5-15	11/16/2017	95-50-1	1,2-Dichlorobenzene	<4	µg/m3	4
NP-5	15	NP-5-15	11/16/2017	107-06-2	1,2-Dichloroethane	<5	µg/m3	5
NP-5	15	NP-5-15	11/16/2017	78-87-5	1,2-Dichloropropane	<3	µg/m3	3
NP-5	15	NP-5-15	11/16/2017	541-73-1	1,3-Dichlorobenzene	<4	µg/m3	4
NP-5	15	NP-5-15	11/16/2017	142-28-9	1,3-Dichloropropane	<4	µg/m3	4
NP-5	15	NP-5-15	11/16/2017	106-46-7	1,4-Dichlorobenzene	<3	µg/m3	3
NP-5	15	NP-5-15	11/16/2017	594-20-7	2,2-Dichloropropane	<5	µg/m3	5
NP-5	15	NP-5-15	11/16/2017	71-43-2	Benzene	<3	µg/m3	3
NP-5	15	NP-5-15	11/16/2017	98-82-8	Benzene, (1-methylethyl)-	<3	µg/m3	3
NP-5	15	NP-5-15	11/16/2017	95-63-6	Benzene, 1,2,4-trimethyl-	<5	µg/m3	5
NP-5	15	NP-5-15	11/16/2017	108-67-8	Benzene, 1,3,5-trimethyl-	<4	µg/m3	4
NP-5	15	NP-5-15	11/16/2017	108-86-1	bromobenzene	<5	µg/m3	5
NP-5	15	NP-5-15	11/16/2017	75-25-2	Bromoform	<5	µg/m3	5
NP-5	15	NP-5-15	11/16/2017	104-51-8	Butylbenzene	<4	µg/m3	4
NP-5	15	NP-5-15	11/16/2017	56-23-5	Carbon Tetrachloride	<5	µg/m3	5
NP-5	15	NP-5-15	11/16/2017	108-90-7	Chlorobenzene	<4	µg/m3	4
NP-5	15	NP-5-15	11/16/2017	124-48-1	Chlorodibromomethane	<4	µg/m3	4
NP-5	15	NP-5-15	11/16/2017	67-66-3	Chloroform	14.4	µg/m3	3
NP-5	15	NP-5-15	11/16/2017	156-59-2	cis-1,2-Dichloroethene	<3	µg/m3	3
NP-5	15	NP-5-15	11/16/2017	10061-01-5	cis-1,3-Dichloropropene	<3	µg/m3	3
NP-5	15	NP-5-15	11/16/2017	74-95-3	Dibromomethane	<3	µg/m3	3
NP-5	15	NP-5-15	11/16/2017	75-27-4	Dichlorobromomethane	<3	µg/m3	3
NP-5	15	NP-5-15	11/16/2017	108-20-3	Diisopropyl Ether	<5	µg/m3	5
NP-5	15	NP-5-15	11/16/2017	100-41-4	Ethylbenzene	<4	µg/m3	4
NP-5	15	NP-5-15	11/16/2017	637-92-3	Ethyl-t-Butyl Ether (ETBE)	<22	µg/m3	22
NP-5	15	NP-5-15	11/16/2017	75-69-4	Freon 11	<5	µg/m3	5
NP-5	15	NP-5-15	11/16/2017	76-13-1	Freon 113	41.8	µg/m3	5
NP-5	15	NP-5-15	11/16/2017	75-71-8	Freon 12	303	µg/m3	5
NP-5	15	NP-5-15	11/16/2017	142-82-5	Heptane	<400	µg/m3	400
NP-5	15	NP-5-15	11/16/2017	87-68-3	Hexachlorobutadiene (HCBD)	<8	µg/m3	8
NP-5	15	NP-5-15	11/16/2017	110-54-3	Hexane	<400	µg/m3	400
NP-5	15	NP-5-15	11/16/2017	179601-23-1	m&p-Xylenes	<6	µg/m3	6
NP-5	15	NP-5-15	11/16/2017	1634-04-4	Methyl tert-Butyl Ether (MTBE)	<9	µg/m3	9
NP-5	15	NP-5-15	11/16/2017	75-09-2	Methylene Chloride (DCM)	<3	µg/m3	3
NP-5	15	NP-5-15	11/16/2017	91-20-3	Naphthalene	<6	µg/m3	6
NP-5	15	NP-5-15	11/16/2017	103-65-1	n-Propylbenzene	<4	µg/m3	4
NP-5	15	NP-5-15	11/16/2017	95-49-8	o-Chlorotoluene	<4	µg/m3	4
NP-5	15	NP-5-15	11/16/2017	95-47-6	o-Xylene	<5	µg/m3	5
NP-5	15	NP-5-15	11/16/2017	106-43-4	p-Chlorotoluene	<4	µg/m3	4
NP-5	15	NP-5-15	11/16/2017	99-87-6	p-Cymene	<4	µg/m3	4
NP-5	15	NP-5-15	11/16/2017	109-66-0	Pentane	<400	µg/m3	400
NP-5	15	NP-5-15	11/16/2017	135-98-8	sec-Butylbenzene	<4	µg/m3	4
NP-5	15	NP-5-15	11/16/2017	100-42-5	Styrene	<3	µg/m3	3
NP-5	15	NP-5-15	11/16/2017	994-05-8	Tert-Amyl Methyl Ether (TAME)	<6	µg/m3	6
NP-5	15	NP-5-15	11/16/2017	75-65-0	tert-Butyl Alcohol (TBA)	<38	µg/m3	38
NP-5	15	NP-5-15	11/16/2017	98-06-6	tert-Butylbenzene	<4	µg/m3	4
NP-5	15	NP-5-15	11/16/2017	127-18-4	Tetrachloroethene (PCE)	6610	µg/m3	3
NP-5	15	NP-5-15	11/16/2017	108-88-3	Toluene	<3	µg/m3	3
NP-5	15	NP-5-15	11/16/2017	156-60-5	trans-1,2-Dichloroethene	<2	µg/m3	2
NP-5	15	NP-5-15	11/16/2017	10061-02-6	trans-1,3-Dichloropropene	<3	µg/m3	3
NP-5	15	NP-5-15	11/16/2017	79-01-6	Trichloroethene (TCE)	7320	µg/m3	3
NP-5	15	NP-5-15	11/16/2017	75-01-4	Vinyl Chloride	<4	µg/m3	4

Appendix A-4
Soil Vapor Analytical Results (14- 45 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
NP-5	35	NP-5-35	11/16/2017	630-20-6	1,1,1,2-Tetrachloroethane	<4	µg/m3	4
NP-5	35	NP-5-35	11/16/2017	71-55-6	1,1,1-Trichloroethane	7	µg/m3	4
NP-5	35	NP-5-35	11/16/2017	79-34-5	1,1,2,2-Tetrachloroethane	<5	µg/m3	5
NP-5	35	NP-5-35	11/16/2017	79-00-5	1,1,2-Trichloroethane	<4	µg/m3	4
NP-5	35	NP-5-35	11/16/2017	563-58-6	1,1-dichloro-1-Propene	<4	µg/m3	4
NP-5	35	NP-5-35	11/16/2017	75-34-3	1,1-Dichloroethane	<4	µg/m3	4
NP-5	35	NP-5-35	11/16/2017	75-35-4	1,1-Dichloroethene	102	µg/m3	5
NP-5	35	NP-5-35	11/16/2017	87-61-6	1,2,3-Trichlorobenzene	<6	µg/m3	6
NP-5	35	NP-5-35	11/16/2017	96-18-4	1,2,3-Trichloropropane	<4	µg/m3	4
NP-5	35	NP-5-35	11/16/2017	120-82-1	1,2,4-Trichlorobenzene	<5	µg/m3	5
NP-5	35	NP-5-35	11/16/2017	96-12-8	1,2-Dibromo-3-Chloropropane	<6	µg/m3	6
NP-5	35	NP-5-35	11/16/2017	106-93-4	1,2-Dibromoethane	<3	µg/m3	3
NP-5	35	NP-5-35	11/16/2017	95-50-1	1,2-Dichlorobenzene	<4	µg/m3	4
NP-5	35	NP-5-35	11/16/2017	107-06-2	1,2-Dichloroethane	<5	µg/m3	5
NP-5	35	NP-5-35	11/16/2017	78-87-5	1,2-Dichloropropane	<3	µg/m3	3
NP-5	35	NP-5-35	11/16/2017	541-73-1	1,3-Dichlorobenzene	<4	µg/m3	4
NP-5	35	NP-5-35	11/16/2017	142-28-9	1,3-Dichloropropane	<4	µg/m3	4
NP-5	35	NP-5-35	11/16/2017	106-46-7	1,4-Dichlorobenzene	<3	µg/m3	3
NP-5	35	NP-5-35	11/16/2017	594-20-7	2,2-Dichloropropane	<5	µg/m3	5
NP-5	35	NP-5-35	11/16/2017	71-43-2	Benzene	<3	µg/m3	3
NP-5	35	NP-5-35	11/16/2017	98-82-8	Benzene, (1-methylethyl)-	<3	µg/m3	3
NP-5	35	NP-5-35	11/16/2017	95-63-6	Benzene, 1,2,4-trimethyl-	<5	µg/m3	5
NP-5	35	NP-5-35	11/16/2017	108-67-8	Benzene, 1,3,5-trimethyl-	<4	µg/m3	4
NP-5	35	NP-5-35	11/16/2017	108-86-1	bromobenzene	<5	µg/m3	5
NP-5	35	NP-5-35	11/16/2017	75-25-2	Bromoform	<5	µg/m3	5
NP-5	35	NP-5-35	11/16/2017	104-51-8	Butylbenzene	<4	µg/m3	4
NP-5	35	NP-5-35	11/16/2017	56-23-5	Carbon Tetrachloride	<5	µg/m3	5
NP-5	35	NP-5-35	11/16/2017	108-90-7	Chlorobenzene	<4	µg/m3	4
NP-5	35	NP-5-35	11/16/2017	124-48-1	Chlorodibromomethane	<4	µg/m3	4
NP-5	35	NP-5-35	11/16/2017	67-66-3	Chloroform	120	µg/m3	3
NP-5	35	NP-5-35	11/16/2017	156-59-2	cis-1,2-Dichloroethene	<3	µg/m3	3
NP-5	35	NP-5-35	11/16/2017	10061-01-5	cis-1,3-Dichloropropene	<3	µg/m3	3
NP-5	35	NP-5-35	11/16/2017	74-95-3	Dibromomethane	<3	µg/m3	3
NP-5	35	NP-5-35	11/16/2017	75-27-4	Dichlorobromomethane	<3	µg/m3	3
NP-5	35	NP-5-35	11/16/2017	108-20-3	Diisopropyl Ether	<5	µg/m3	5
NP-5	35	NP-5-35	11/16/2017	100-41-4	Ethylbenzene	<4	µg/m3	4
NP-5	35	NP-5-35	11/16/2017	637-92-3	Ethyl-t-Butyl Ether (ETBE)	<22	µg/m3	22
NP-5	35	NP-5-35	11/16/2017	75-69-4	Freon 11	<5	µg/m3	5
NP-5	35	NP-5-35	11/16/2017	76-13-1	Freon 113	229	µg/m3	5
NP-5	35	NP-5-35	11/16/2017	75-71-8	Freon 12	1940	µg/m3	5
NP-5	35	NP-5-35	11/16/2017	142-82-5	Heptane	<400	µg/m3	400
NP-5	35	NP-5-35	11/16/2017	87-68-3	Hexachlorobutadiene (HCBD)	<8	µg/m3	8
NP-5	35	NP-5-35	11/16/2017	110-54-3	Hexane	<400	µg/m3	400
NP-5	35	NP-5-35	11/16/2017	179601-23-1	m&p-Xylenes	<6	µg/m3	6
NP-5	35	NP-5-35	11/16/2017	1634-04-4	Methyl tert-Butyl Ether (MTBE)	<9	µg/m3	9
NP-5	35	NP-5-35	11/16/2017	75-09-2	Methylene Chloride (DCM)	<3	µg/m3	3
NP-5	35	NP-5-35	11/16/2017	91-20-3	Naphthalene	<6	µg/m3	6
NP-5	35	NP-5-35	11/16/2017	103-65-1	n-Propylbenzene	<4	µg/m3	4
NP-5	35	NP-5-35	11/16/2017	95-49-8	o-Chlorotoluene	<4	µg/m3	4
NP-5	35	NP-5-35	11/16/2017	95-47-6	o-Xylene	<5	µg/m3	5
NP-5	35	NP-5-35	11/16/2017	106-43-4	p-Chlorotoluene	<4	µg/m3	4
NP-5	35	NP-5-35	11/16/2017	99-87-6	p-Cymene	<4	µg/m3	4
NP-5	35	NP-5-35	11/16/2017	109-66-0	Pentane	<400	µg/m3	400
NP-5	35	NP-5-35	11/16/2017	135-98-8	sec-Butylbenzene	<4	µg/m3	4
NP-5	35	NP-5-35	11/16/2017	100-42-5	Styrene	<3	µg/m3	3
NP-5	35	NP-5-35	11/16/2017	994-05-8	Tert-Amyl Methyl Ether (TAME)	<6	µg/m3	6
NP-5	35	NP-5-35	11/16/2017	75-65-0	tert-Butyl Alcohol (TBA)	<38	µg/m3	38
NP-5	35	NP-5-35	11/16/2017	98-06-6	tert-Butylbenzene	<4	µg/m3	4
NP-5	35	NP-5-35	11/16/2017	127-18-4	Tetrachloroethene (PCE)	20800	µg/m3	3
NP-5	35	NP-5-35	11/16/2017	108-88-3	Toluene	<3	µg/m3	3
NP-5	35	NP-5-35	11/16/2017	156-60-5	trans-1,2-Dichloroethene	<2	µg/m3	2
NP-5	35	NP-5-35	11/16/2017	10061-02-6	trans-1,3-Dichloropropene	<3	µg/m3	3
NP-5	35	NP-5-35	11/16/2017	79-01-6	Trichloroethene (TCE)	18900	µg/m3	3
NP-5	35	NP-5-35	11/16/2017	75-01-4	Vinyl Chloride	<4	µg/m3	4

Appendix A-4
Soil Vapor Analytical Results (14- 45 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
NP-6	15	NP-6-15	11/16/2017	630-20-6	1,1,1,2-Tetrachloroethane	<4	µg/m3	4
NP-6	15	NP-6-15	11/16/2017	71-55-6	1,1,1-Trichloroethane	22.2	µg/m3	4
NP-6	15	NP-6-15	11/16/2017	79-34-5	1,1,2,2-Tetrachloroethane	<5	µg/m3	5
NP-6	15	NP-6-15	11/16/2017	79-00-5	1,1,2-Trichloroethane	<4	µg/m3	4
NP-6	15	NP-6-15	11/16/2017	563-58-6	1,1-dichloro-1-Propene	<4	µg/m3	4
NP-6	15	NP-6-15	11/16/2017	75-34-3	1,1-Dichloroethane	<4	µg/m3	4
NP-6	15	NP-6-15	11/16/2017	75-35-4	1,1-Dichloroethene	<5	µg/m3	5
NP-6	15	NP-6-15	11/16/2017	87-61-6	1,2,3-Trichlorobenzene	<6	µg/m3	6
NP-6	15	NP-6-15	11/16/2017	96-18-4	1,2,3-Trichloropropane	<4	µg/m3	4
NP-6	15	NP-6-15	11/16/2017	120-82-1	1,2,4-Trichlorobenzene	<5	µg/m3	5
NP-6	15	NP-6-15	11/16/2017	96-12-8	1,2-Dibromo-3-Chloropropane	<6	µg/m3	6
NP-6	15	NP-6-15	11/16/2017	106-93-4	1,2-Dibromoethane	<3	µg/m3	3
NP-6	15	NP-6-15	11/16/2017	95-50-1	1,2-Dichlorobenzene	<4	µg/m3	4
NP-6	15	NP-6-15	11/16/2017	107-06-2	1,2-Dichloroethane	<5	µg/m3	5
NP-6	15	NP-6-15	11/16/2017	78-87-5	1,2-Dichloropropane	<3	µg/m3	3
NP-6	15	NP-6-15	11/16/2017	541-73-1	1,3-Dichlorobenzene	<4	µg/m3	4
NP-6	15	NP-6-15	11/16/2017	142-28-9	1,3-Dichloropropane	<4	µg/m3	4
NP-6	15	NP-6-15	11/16/2017	106-46-7	1,4-Dichlorobenzene	<3	µg/m3	3
NP-6	15	NP-6-15	11/16/2017	594-20-7	2,2-Dichloropropane	<5	µg/m3	5
NP-6	15	NP-6-15	11/16/2017	71-43-2	Benzene	<3	µg/m3	3
NP-6	15	NP-6-15	11/16/2017	98-82-8	Benzene, (1-methylethyl)-	<3	µg/m3	3
NP-6	15	NP-6-15	11/16/2017	95-63-6	Benzene, 1,2,4-trimethyl-	<5	µg/m3	5
NP-6	15	NP-6-15	11/16/2017	108-67-8	Benzene, 1,3,5-trimethyl-	<4	µg/m3	4
NP-6	15	NP-6-15	11/16/2017	108-86-1	bromobenzene	<5	µg/m3	5
NP-6	15	NP-6-15	11/16/2017	75-25-2	Bromoform	<5	µg/m3	5
NP-6	15	NP-6-15	11/16/2017	104-51-8	Butylbenzene	<4	µg/m3	4
NP-6	15	NP-6-15	11/16/2017	56-23-5	Carbon Tetrachloride	<5	µg/m3	5
NP-6	15	NP-6-15	11/16/2017	108-90-7	Chlorobenzene	<4	µg/m3	4
NP-6	15	NP-6-15	11/16/2017	124-48-1	Chlorodibromomethane	<4	µg/m3	4
NP-6	15	NP-6-15	11/16/2017	67-66-3	Chloroform	<3	µg/m3	3
NP-6	15	NP-6-15	11/16/2017	156-59-2	cis-1,2-Dichloroethene	<3	µg/m3	3
NP-6	15	NP-6-15	11/16/2017	10061-01-5	cis-1,3-Dichloropropene	<3	µg/m3	3
NP-6	15	NP-6-15	11/16/2017	74-95-3	Dibromomethane	<3	µg/m3	3
NP-6	15	NP-6-15	11/16/2017	75-27-4	Dichlorobromomethane	<3	µg/m3	3
NP-6	15	NP-6-15	11/16/2017	108-20-3	Diisopropyl Ether	<5	µg/m3	5
NP-6	15	NP-6-15	11/16/2017	100-41-4	Ethylbenzene	<4	µg/m3	4
NP-6	15	NP-6-15	11/16/2017	637-92-3	Ethyl-t-Butyl Ether (ETBE)	<22	µg/m3	22
NP-6	15	NP-6-15	11/16/2017	75-69-4	Freon 11	<5	µg/m3	5
NP-6	15	NP-6-15	11/16/2017	76-13-1	Freon 113	<5	µg/m3	5
NP-6	15	NP-6-15	11/16/2017	75-71-8	Freon 12	60.3	µg/m3	5
NP-6	15	NP-6-15	11/16/2017	142-82-5	Heptane	<400	µg/m3	400
NP-6	15	NP-6-15	11/16/2017	87-68-3	Hexachlorobutadiene (HCBD)	<8	µg/m3	8
NP-6	15	NP-6-15	11/16/2017	110-54-3	Hexane	<400	µg/m3	400
NP-6	15	NP-6-15	11/16/2017	179601-23-1	m&p-Xylenes	<6	µg/m3	6
NP-6	15	NP-6-15	11/16/2017	1634-04-4	Methyl tert-Butyl Ether (MTBE)	<9	µg/m3	9
NP-6	15	NP-6-15	11/16/2017	75-09-2	Methylene Chloride (DCM)	<3	µg/m3	3
NP-6	15	NP-6-15	11/16/2017	91-20-3	Naphthalene	<6	µg/m3	6
NP-6	15	NP-6-15	11/16/2017	103-65-1	n-Propylbenzene	<4	µg/m3	4
NP-6	15	NP-6-15	11/16/2017	95-49-8	o-Chlorotoluene	<4	µg/m3	4
NP-6	15	NP-6-15	11/16/2017	95-47-6	o-Xylene	<5	µg/m3	5
NP-6	15	NP-6-15	11/16/2017	106-43-4	p-Chlorotoluene	<4	µg/m3	4
NP-6	15	NP-6-15	11/16/2017	99-87-6	p-Cymene	<4	µg/m3	4
NP-6	15	NP-6-15	11/16/2017	109-66-0	Pentane	<400	µg/m3	400
NP-6	15	NP-6-15	11/16/2017	135-98-8	sec-Butylbenzene	<4	µg/m3	4
NP-6	15	NP-6-15	11/16/2017	100-42-5	Styrene	<3	µg/m3	3
NP-6	15	NP-6-15	11/16/2017	994-05-8	Tert-Amyl Methyl Ether (TAME)	<6	µg/m3	6
NP-6	15	NP-6-15	11/16/2017	75-65-0	tert-Butyl Alcohol (TBA)	<38	µg/m3	38
NP-6	15	NP-6-15	11/16/2017	98-06-6	tert-Butylbenzene	<4	µg/m3	4
NP-6	15	NP-6-15	11/16/2017	127-18-4	Tetrachloroethene (PCE)	5580	µg/m3	3
NP-6	15	NP-6-15	11/16/2017	108-88-3	Toluene	<3	µg/m3	3
NP-6	15	NP-6-15	11/16/2017	156-60-5	trans-1,2-Dichloroethene	<2	µg/m3	2
NP-6	15	NP-6-15	11/16/2017	10061-02-6	trans-1,3-Dichloropropene	<3	µg/m3	3
NP-6	15	NP-6-15	11/16/2017	79-01-6	Trichloroethene (TCE)	13.2	µg/m3	3
NP-6	15	NP-6-15	11/16/2017	75-01-4	Vinyl Chloride	<4	µg/m3	4

Appendix A-4
Soil Vapor Analytical Results (14- 45 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
NP-6	40	NP-6-40-SV	11/16/2017	630-20-6	1,1,1,2-Tetrachloroethane	<4	µg/m3	4
NP-6	40	NP-6-40-SV	11/16/2017	71-55-6	1,1,1-Trichloroethane	<4	µg/m3	4
NP-6	40	NP-6-40-SV	11/16/2017	79-34-5	1,1,2,2-Tetrachloroethane	<5	µg/m3	5
NP-6	40	NP-6-40-SV	11/16/2017	79-00-5	1,1,2-Trichloroethane	<4	µg/m3	4
NP-6	40	NP-6-40-SV	11/16/2017	563-58-6	1,1-dichloro-1-Propene	<4	µg/m3	4
NP-6	40	NP-6-40-SV	11/16/2017	75-34-3	1,1-Dichloroethane	<4	µg/m3	4
NP-6	40	NP-6-40-SV	11/16/2017	75-35-4	1,1-Dichloroethene	462	µg/m3	5
NP-6	40	NP-6-40-SV	11/16/2017	87-61-6	1,2,3-Trichlorobenzene	<6	µg/m3	6
NP-6	40	NP-6-40-SV	11/16/2017	96-18-4	1,2,3-Trichloropropane	<4	µg/m3	4
NP-6	40	NP-6-40-SV	11/16/2017	120-82-1	1,2,4-Trichlorobenzene	<5	µg/m3	5
NP-6	40	NP-6-40-SV	11/16/2017	96-12-8	1,2-Dibromo-3-Chloropropane	<6	µg/m3	6
NP-6	40	NP-6-40-SV	11/16/2017	106-93-4	1,2-Dibromoethane	<3	µg/m3	3
NP-6	40	NP-6-40-SV	11/16/2017	95-50-1	1,2-Dichlorobenzene	<4	µg/m3	4
NP-6	40	NP-6-40-SV	11/16/2017	107-06-2	1,2-Dichloroethane	<5	µg/m3	5
NP-6	40	NP-6-40-SV	11/16/2017	78-87-5	1,2-Dichloropropane	<3	µg/m3	3
NP-6	40	NP-6-40-SV	11/16/2017	541-73-1	1,3-Dichlorobenzene	<4	µg/m3	4
NP-6	40	NP-6-40-SV	11/16/2017	142-28-9	1,3-Dichloropropane	<4	µg/m3	4
NP-6	40	NP-6-40-SV	11/16/2017	106-46-7	1,4-Dichlorobenzene	<3	µg/m3	3
NP-6	40	NP-6-40-SV	11/16/2017	594-20-7	2,2-Dichloropropane	<5	µg/m3	5
NP-6	40	NP-6-40-SV	11/16/2017	71-43-2	Benzene	<3	µg/m3	3
NP-6	40	NP-6-40-SV	11/16/2017	98-82-8	Benzene, (1-methylethyl)-	<3	µg/m3	3
NP-6	40	NP-6-40-SV	11/16/2017	95-63-6	Benzene, 1,2,4-trimethyl-	<5	µg/m3	5
NP-6	40	NP-6-40-SV	11/16/2017	108-67-8	Benzene, 1,3,5-trimethyl-	<4	µg/m3	4
NP-6	40	NP-6-40-SV	11/16/2017	108-86-1	bromobenzene	<5	µg/m3	5
NP-6	40	NP-6-40-SV	11/16/2017	75-25-2	Bromoform	<5	µg/m3	5
NP-6	40	NP-6-40-SV	11/16/2017	104-51-8	Butylbenzene	<4	µg/m3	4
NP-6	40	NP-6-40-SV	11/16/2017	56-23-5	Carbon Tetrachloride	<5	µg/m3	5
NP-6	40	NP-6-40-SV	11/16/2017	108-90-7	Chlorobenzene	<4	µg/m3	4
NP-6	40	NP-6-40-SV	11/16/2017	124-48-1	Chlorodibromomethane	<4	µg/m3	4
NP-6	40	NP-6-40-SV	11/16/2017	67-66-3	Chloroform	<3	µg/m3	3
NP-6	40	NP-6-40-SV	11/16/2017	156-59-2	cis-1,2-Dichloroethene	<3	µg/m3	3
NP-6	40	NP-6-40-SV	11/16/2017	10061-01-5	cis-1,3-Dichloropropene	<3	µg/m3	3
NP-6	40	NP-6-40-SV	11/16/2017	74-95-3	Dibromomethane	<3	µg/m3	3
NP-6	40	NP-6-40-SV	11/16/2017	75-27-4	Dichlorobromomethane	<3	µg/m3	3
NP-6	40	NP-6-40-SV	11/16/2017	108-20-3	Diisopropyl Ether	<5	µg/m3	5
NP-6	40	NP-6-40-SV	11/16/2017	100-41-4	Ethylbenzene	<4	µg/m3	4
NP-6	40	NP-6-40-SV	11/16/2017	637-92-3	Ethyl-t-Butyl Ether (ETBE)	<22	µg/m3	22
NP-6	40	NP-6-40-SV	11/16/2017	75-69-4	Freon 11	<5	µg/m3	5
NP-6	40	NP-6-40-SV	11/16/2017	76-13-1	Freon 113	21	µg/m3	5
NP-6	40	NP-6-40-SV	11/16/2017	75-71-8	Freon 12	<5	µg/m3	5
NP-6	40	NP-6-40-SV	11/16/2017	142-82-5	Heptane	<400	µg/m3	400
NP-6	40	NP-6-40-SV	11/16/2017	87-68-3	Hexachlorobutadiene (HCBD)	<8	µg/m3	8
NP-6	40	NP-6-40-SV	11/16/2017	110-54-3	Hexane	<400	µg/m3	400
NP-6	40	NP-6-40-SV	11/16/2017	179601-23-1	m&p-Xylenes	<6	µg/m3	6
NP-6	40	NP-6-40-SV	11/16/2017	1634-04-4	Methyl tert-Butyl Ether (MTBE)	<9	µg/m3	9
NP-6	40	NP-6-40-SV	11/16/2017	75-09-2	Methylene Chloride (DCM)	<3	µg/m3	3
NP-6	40	NP-6-40-SV	11/16/2017	91-20-3	Naphthalene	<6	µg/m3	6
NP-6	40	NP-6-40-SV	11/16/2017	103-65-1	n-Propylbenzene	<4	µg/m3	4
NP-6	40	NP-6-40-SV	11/16/2017	95-49-8	o-Chlorotoluene	<4	µg/m3	4
NP-6	40	NP-6-40-SV	11/16/2017	95-47-6	o-Xylene	<5	µg/m3	5
NP-6	40	NP-6-40-SV	11/16/2017	106-43-4	p-Chlorotoluene	<4	µg/m3	4
NP-6	40	NP-6-40-SV	11/16/2017	99-87-6	p-Cymene	<4	µg/m3	4
NP-6	40	NP-6-40-SV	11/16/2017	109-66-0	Pentane	<400	µg/m3	400
NP-6	40	NP-6-40-SV	11/16/2017	135-98-8	sec-Butylbenzene	<4	µg/m3	4
NP-6	40	NP-6-40-SV	11/16/2017	100-42-5	Styrene	<3	µg/m3	3
NP-6	40	NP-6-40-SV	11/16/2017	994-05-8	Tert-Amyl Methyl Ether (TAME)	<6	µg/m3	6
NP-6	40	NP-6-40-SV	11/16/2017	75-65-0	tert-Butyl Alcohol (TBA)	<38	µg/m3	38
NP-6	40	NP-6-40-SV	11/16/2017	98-06-6	tert-Butylbenzene	<4	µg/m3	4
NP-6	40	NP-6-40-SV	11/16/2017	127-18-4	Tetrachloroethene (PCE)	5580	µg/m3	3
NP-6	40	NP-6-40-SV	11/16/2017	108-88-3	Toluene	<3	µg/m3	3
NP-6	40	NP-6-40-SV	11/16/2017	156-60-5	trans-1,2-Dichloroethene	<2	µg/m3	2
NP-6	40	NP-6-40-SV	11/16/2017	10061-02-6	trans-1,3-Dichloropropene	<3	µg/m3	3
NP-6	40	NP-6-40-SV	11/16/2017	79-01-6	Trichloroethene (TCE)	178	µg/m3	3
NP-6	40	NP-6-40-SV	11/16/2017	75-01-4	Vinyl Chloride	<4	µg/m3	4

Appendix A-4
Soil Vapor Analytical Results (14- 45 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
NP-7	17	NP-7-17	11/16/2017	630-20-6	1,1,1,2-Tetrachloroethane	<4	µg/m3	4
NP-7	17	NP-7-17 REP	11/16/2017	630-20-6	1,1,1,2-Tetrachloroethane	<4	µg/m3	4
NP-7	17	NP-7-17	11/16/2017	71-55-6	1,1,1-Trichloroethane	19.3	µg/m3	4
NP-7	17	NP-7-17 REP	11/16/2017	71-55-6	1,1,1-Trichloroethane	20	µg/m3	4
NP-7	17	NP-7-17	11/16/2017	79-34-5	1,1,2,2-Tetrachloroethane	<5	µg/m3	5
NP-7	17	NP-7-17 REP	11/16/2017	79-34-5	1,1,2,2-Tetrachloroethane	<5	µg/m3	5
NP-7	17	NP-7-17	11/16/2017	79-00-5	1,1,2-Trichloroethane	<4	µg/m3	4
NP-7	17	NP-7-17 REP	11/16/2017	79-00-5	1,1,2-Trichloroethane	<4	µg/m3	4
NP-7	17	NP-7-17	11/16/2017	563-58-6	1,1-dichloro-1-Propene	<4	µg/m3	4
NP-7	17	NP-7-17 REP	11/16/2017	563-58-6	1,1-dichloro-1-Propene	<4	µg/m3	4
NP-7	17	NP-7-17	11/16/2017	75-34-3	1,1-Dichloroethane	<4	µg/m3	4
NP-7	17	NP-7-17 REP	11/16/2017	75-34-3	1,1-Dichloroethane	<4	µg/m3	4
NP-7	17	NP-7-17	11/16/2017	75-35-4	1,1-Dichloroethene	<5	µg/m3	5
NP-7	17	NP-7-17 REP	11/16/2017	75-35-4	1,1-Dichloroethene	<5	µg/m3	5
NP-7	17	NP-7-17	11/16/2017	87-61-6	1,2,3-Trichlorobenzene	<6	µg/m3	6
NP-7	17	NP-7-17 REP	11/16/2017	87-61-6	1,2,3-Trichlorobenzene	<6	µg/m3	6
NP-7	17	NP-7-17	11/16/2017	96-18-4	1,2,3-Trichloropropane	<4	µg/m3	4
NP-7	17	NP-7-17 REP	11/16/2017	96-18-4	1,2,3-Trichloropropane	<4	µg/m3	4
NP-7	17	NP-7-17	11/16/2017	120-82-1	1,2,4-Trichlorobenzene	<5	µg/m3	5
NP-7	17	NP-7-17 REP	11/16/2017	120-82-1	1,2,4-Trichlorobenzene	<5	µg/m3	5
NP-7	17	NP-7-17	11/16/2017	96-12-8	1,2-Dibromo-3-Chloropropane	<6	µg/m3	6
NP-7	17	NP-7-17 REP	11/16/2017	96-12-8	1,2-Dibromo-3-Chloropropane	<6	µg/m3	6
NP-7	17	NP-7-17	11/16/2017	106-93-4	1,2-Dibromoethane	<3	µg/m3	3
NP-7	17	NP-7-17 REP	11/16/2017	106-93-4	1,2-Dibromoethane	<3	µg/m3	3
NP-7	17	NP-7-17	11/16/2017	95-50-1	1,2-Dichlorobenzene	<4	µg/m3	4
NP-7	17	NP-7-17 REP	11/16/2017	95-50-1	1,2-Dichlorobenzene	<4	µg/m3	4
NP-7	17	NP-7-17	11/16/2017	107-06-2	1,2-Dichloroethane	<5	µg/m3	5
NP-7	17	NP-7-17 REP	11/16/2017	107-06-2	1,2-Dichloroethane	<5	µg/m3	5
NP-7	17	NP-7-17	11/16/2017	78-87-5	1,2-Dichloropropane	<3	µg/m3	3
NP-7	17	NP-7-17 REP	11/16/2017	78-87-5	1,2-Dichloropropane	<3	µg/m3	3
NP-7	17	NP-7-17	11/16/2017	541-73-1	1,3-Dichlorobenzene	<4	µg/m3	4
NP-7	17	NP-7-17 REP	11/16/2017	541-73-1	1,3-Dichlorobenzene	<4	µg/m3	4
NP-7	17	NP-7-17	11/16/2017	142-28-9	1,3-Dichloropropane	<4	µg/m3	4
NP-7	17	NP-7-17 REP	11/16/2017	142-28-9	1,3-Dichloropropane	<4	µg/m3	4
NP-7	17	NP-7-17	11/16/2017	106-46-7	1,4-Dichlorobenzene	<3	µg/m3	3
NP-7	17	NP-7-17 REP	11/16/2017	106-46-7	1,4-Dichlorobenzene	<3	µg/m3	3
NP-7	17	NP-7-17	11/16/2017	594-20-7	2,2-Dichloropropane	<5	µg/m3	5
NP-7	17	NP-7-17 REP	11/16/2017	594-20-7	2,2-Dichloropropane	<5	µg/m3	5
NP-7	17	NP-7-17	11/16/2017	71-43-2	Benzene	<3	µg/m3	3
NP-7	17	NP-7-17 REP	11/16/2017	71-43-2	Benzene	<3	µg/m3	3
NP-7	17	NP-7-17	11/16/2017	98-82-8	Benzene, (1-methylethyl)-	<3	µg/m3	3
NP-7	17	NP-7-17 REP	11/16/2017	98-82-8	Benzene, (1-methylethyl)-	<3	µg/m3	3
NP-7	17	NP-7-17	11/16/2017	95-63-6	Benzene, 1,2,4-trimethyl-	<5	µg/m3	5
NP-7	17	NP-7-17 REP	11/16/2017	95-63-6	Benzene, 1,2,4-trimethyl-	<5	µg/m3	5
NP-7	17	NP-7-17	11/16/2017	108-67-8	Benzene, 1,3,5-trimethyl-	<4	µg/m3	4
NP-7	17	NP-7-17 REP	11/16/2017	108-67-8	Benzene, 1,3,5-trimethyl-	<4	µg/m3	4
NP-7	17	NP-7-17	11/16/2017	108-86-1	bromobenzene	<5	µg/m3	5
NP-7	17	NP-7-17 REP	11/16/2017	108-86-1	bromobenzene	<5	µg/m3	5
NP-7	17	NP-7-17	11/16/2017	75-25-2	Bromoform	<5	µg/m3	5
NP-7	17	NP-7-17 REP	11/16/2017	75-25-2	Bromoform	<5	µg/m3	5
NP-7	17	NP-7-17	11/16/2017	104-51-8	Butylbenzene	<4	µg/m3	4
NP-7	17	NP-7-17 REP	11/16/2017	104-51-8	Butylbenzene	<4	µg/m3	4
NP-7	17	NP-7-17	11/16/2017	56-23-5	Carbon Tetrachloride	<5	µg/m3	5
NP-7	17	NP-7-17 REP	11/16/2017	56-23-5	Carbon Tetrachloride	<5	µg/m3	5
NP-7	17	NP-7-17	11/16/2017	108-90-7	Chlorobenzene	<4	µg/m3	4
NP-7	17	NP-7-17 REP	11/16/2017	108-90-7	Chlorobenzene	<4	µg/m3	4
NP-7	17	NP-7-17	11/16/2017	124-48-1	Chlorodibromomethane	<4	µg/m3	4
NP-7	17	NP-7-17 REP	11/16/2017	124-48-1	Chlorodibromomethane	<4	µg/m3	4
NP-7	17	NP-7-17	11/16/2017	67-66-3	Chloroform	<3	µg/m3	3
NP-7	17	NP-7-17 REP	11/16/2017	67-66-3	Chloroform	<3	µg/m3	3
NP-7	17	NP-7-17	11/16/2017	156-59-2	cis-1,2-Dichloroethene	<3	µg/m3	3
NP-7	17	NP-7-17 REP	11/16/2017	156-59-2	cis-1,2-Dichloroethene	<3	µg/m3	3
NP-7	17	NP-7-17	11/16/2017	10061-01-5	cis-1,3-Dichloropropene	<3	µg/m3	3
NP-7	17	NP-7-17 REP	11/16/2017	10061-01-5	cis-1,3-Dichloropropene	<3	µg/m3	3

Appendix A-4
Soil Vapor Analytical Results (14- 45 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
NP-7	17	NP-7-17	11/16/2017	74-95-3	Dibromomethane	<3	µg/m3	3
NP-7	17	NP-7-17 REP	11/16/2017	74-95-3	Dibromomethane	<3	µg/m3	3
NP-7	17	NP-7-17	11/16/2017	75-27-4	Dichlorobromomethane	<3	µg/m3	3
NP-7	17	NP-7-17 REP	11/16/2017	75-27-4	Dichlorobromomethane	<3	µg/m3	3
NP-7	17	NP-7-17	11/16/2017	108-20-3	Diisopropyl Ether	<5	µg/m3	5
NP-7	17	NP-7-17 REP	11/16/2017	108-20-3	Diisopropyl Ether	<5	µg/m3	5
NP-7	17	NP-7-17	11/16/2017	100-41-4	Ethylbenzene	<4	µg/m3	4
NP-7	17	NP-7-17 REP	11/16/2017	100-41-4	Ethylbenzene	<4	µg/m3	4
NP-7	17	NP-7-17	11/16/2017	637-92-3	Ethyl-t-Butyl Ether (ETBE)	<22	µg/m3	22
NP-7	17	NP-7-17 REP	11/16/2017	637-92-3	Ethyl-t-Butyl Ether (ETBE)	<22	µg/m3	22
NP-7	17	NP-7-17	11/16/2017	75-69-4	Freon 11	7	µg/m3	5
NP-7	17	NP-7-17 REP	11/16/2017	75-69-4	Freon 11	8	µg/m3	5
NP-7	17	NP-7-17	11/16/2017	76-13-1	Freon 113	53.3	µg/m3	5
NP-7	17	NP-7-17 REP	11/16/2017	76-13-1	Freon 113	55.2	µg/m3	5
NP-7	17	NP-7-17	11/16/2017	75-71-8	Freon 12	624	µg/m3	5
NP-7	17	NP-7-17 REP	11/16/2017	75-71-8	Freon 12	625	µg/m3	5
NP-7	17	NP-7-17	11/16/2017	142-82-5	Heptane	<400	µg/m3	400
NP-7	17	NP-7-17 REP	11/16/2017	142-82-5	Heptane	<400	µg/m3	400
NP-7	17	NP-7-17	11/16/2017	87-68-3	Hexachlorobutadiene (HCBd)	<8	µg/m3	8
NP-7	17	NP-7-17 REP	11/16/2017	87-68-3	Hexachlorobutadiene (HCBd)	<8	µg/m3	8
NP-7	17	NP-7-17	11/16/2017	110-54-3	Hexane	<400	µg/m3	400
NP-7	17	NP-7-17 REP	11/16/2017	110-54-3	Hexane	<400	µg/m3	400
NP-7	17	NP-7-17	11/16/2017	179601-23-1	m&p-Xylenes	<6	µg/m3	6
NP-7	17	NP-7-17 REP	11/16/2017	179601-23-1	m&p-Xylenes	<6	µg/m3	6
NP-7	17	NP-7-17	11/16/2017	1634-04-4	Methyl tert-Butyl Ether (MTBE)	<9	µg/m3	9
NP-7	17	NP-7-17 REP	11/16/2017	1634-04-4	Methyl tert-Butyl Ether (MTBE)	<9	µg/m3	9
NP-7	17	NP-7-17	11/16/2017	75-09-2	Methylene Chloride (DCM)	<3	µg/m3	3
NP-7	17	NP-7-17 REP	11/16/2017	75-09-2	Methylene Chloride (DCM)	<3	µg/m3	3
NP-7	17	NP-7-17	11/16/2017	91-20-3	Naphthalene	<6	µg/m3	6
NP-7	17	NP-7-17 REP	11/16/2017	91-20-3	Naphthalene	<6	µg/m3	6
NP-7	17	NP-7-17	11/16/2017	103-65-1	n-Propylbenzene	<4	µg/m3	4
NP-7	17	NP-7-17 REP	11/16/2017	103-65-1	n-Propylbenzene	<4	µg/m3	4
NP-7	17	NP-7-17	11/16/2017	95-49-8	o-Chlorotoluene	<4	µg/m3	4
NP-7	17	NP-7-17 REP	11/16/2017	95-49-8	o-Chlorotoluene	<4	µg/m3	4
NP-7	17	NP-7-17	11/16/2017	95-47-6	o-Xylene	<5	µg/m3	5
NP-7	17	NP-7-17 REP	11/16/2017	95-47-6	o-Xylene	<5	µg/m3	5
NP-7	17	NP-7-17	11/16/2017	106-43-4	p-Chlorotoluene	<4	µg/m3	4
NP-7	17	NP-7-17 REP	11/16/2017	106-43-4	p-Chlorotoluene	<4	µg/m3	4
NP-7	17	NP-7-17	11/16/2017	99-87-6	p-Cymene	<4	µg/m3	4
NP-7	17	NP-7-17 REP	11/16/2017	99-87-6	p-Cymene	<4	µg/m3	4
NP-7	17	NP-7-17	11/16/2017	109-66-0	Pentane	<400	µg/m3	400
NP-7	17	NP-7-17 REP	11/16/2017	109-66-0	Pentane	<400	µg/m3	400
NP-7	17	NP-7-17	11/16/2017	135-98-8	sec-Butylbenzene	<4	µg/m3	4
NP-7	17	NP-7-17 REP	11/16/2017	135-98-8	sec-Butylbenzene	<4	µg/m3	4
NP-7	17	NP-7-17	11/16/2017	100-42-5	Styrene	<3	µg/m3	3
NP-7	17	NP-7-17 REP	11/16/2017	100-42-5	Styrene	<3	µg/m3	3
NP-7	17	NP-7-17	11/16/2017	994-05-8	Tert-Amyl Methyl Ether (TAME)	<6	µg/m3	6
NP-7	17	NP-7-17 REP	11/16/2017	994-05-8	Tert-Amyl Methyl Ether (TAME)	<6	µg/m3	6
NP-7	17	NP-7-17	11/16/2017	75-65-0	tert-Butyl Alcohol (TBA)	<38	µg/m3	38
NP-7	17	NP-7-17 REP	11/16/2017	75-65-0	tert-Butyl Alcohol (TBA)	<38	µg/m3	38
NP-7	17	NP-7-17	11/16/2017	98-06-6	tert-Butylbenzene	<4	µg/m3	4
NP-7	17	NP-7-17 REP	11/16/2017	98-06-6	tert-Butylbenzene	<4	µg/m3	4
NP-7	17	NP-7-17	11/16/2017	127-18-4	Tetrachloroethene (PCE)	5450	µg/m3	3
NP-7	17	NP-7-17 REP	11/16/2017	127-18-4	Tetrachloroethene (PCE)	5920	µg/m3	3
NP-7	17	NP-7-17	11/16/2017	108-88-3	Toluene	<3	µg/m3	3
NP-7	17	NP-7-17 REP	11/16/2017	108-88-3	Toluene	<3	µg/m3	3
NP-7	17	NP-7-17	11/16/2017	156-60-5	trans-1,2-Dichloroethene	<2	µg/m3	2
NP-7	17	NP-7-17 REP	11/16/2017	156-60-5	trans-1,2-Dichloroethene	<2	µg/m3	2
NP-7	17	NP-7-17	11/16/2017	10061-02-6	trans-1,3-Dichloropropene	<3	µg/m3	3
NP-7	17	NP-7-17 REP	11/16/2017	10061-02-6	trans-1,3-Dichloropropene	<3	µg/m3	3
NP-7	17	NP-7-17	11/16/2017	79-01-6	Trichloroethene (TCE)	28.4	µg/m3	3
NP-7	17	NP-7-17 REP	11/16/2017	79-01-6	Trichloroethene (TCE)	20.4	µg/m3	3
NP-7	17	NP-7-17	11/16/2017	75-01-4	Vinyl Chloride	<4	µg/m3	4
NP-7	17	NP-7-17 REP	11/16/2017	75-01-4	Vinyl Chloride	<4	µg/m3	4

Appendix A-4
Soil Vapor Analytical Results (14- 45 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
NP-7	35	NP-7-35	11/16/2017	630-20-6	1,1,1,2-Tetrachloroethane	<4	µg/m3	4
NP-7	35	NP-7-35	11/16/2017	71-55-6	1,1,1-Trichloroethane	14.3	µg/m3	4
NP-7	35	NP-7-35	11/16/2017	79-34-5	1,1,2,2-Tetrachloroethane	<5	µg/m3	5
NP-7	35	NP-7-35	11/16/2017	79-00-5	1,1,2-Trichloroethane	<4	µg/m3	4
NP-7	35	NP-7-35	11/16/2017	563-58-6	1,1-dichloro-1-Propene	<4	µg/m3	4
NP-7	35	NP-7-35	11/16/2017	75-34-3	1,1-Dichloroethane	<4	µg/m3	4
NP-7	35	NP-7-35	11/16/2017	75-35-4	1,1-Dichloroethene	134	µg/m3	5
NP-7	35	NP-7-35	11/16/2017	87-61-6	1,2,3-Trichlorobenzene	<6	µg/m3	6
NP-7	35	NP-7-35	11/16/2017	96-18-4	1,2,3-Trichloropropane	<4	µg/m3	4
NP-7	35	NP-7-35	11/16/2017	120-82-1	1,2,4-Trichlorobenzene	<5	µg/m3	5
NP-7	35	NP-7-35	11/16/2017	96-12-8	1,2-Dibromo-3-Chloropropane	<6	µg/m3	6
NP-7	35	NP-7-35	11/16/2017	106-93-4	1,2-Dibromoethane	<3	µg/m3	3
NP-7	35	NP-7-35	11/16/2017	95-50-1	1,2-Dichlorobenzene	<4	µg/m3	4
NP-7	35	NP-7-35	11/16/2017	107-06-2	1,2-Dichloroethane	<5	µg/m3	5
NP-7	35	NP-7-35	11/16/2017	78-87-5	1,2-Dichloropropane	<3	µg/m3	3
NP-7	35	NP-7-35	11/16/2017	541-73-1	1,3-Dichlorobenzene	<4	µg/m3	4
NP-7	35	NP-7-35	11/16/2017	142-28-9	1,3-Dichloropropane	<4	µg/m3	4
NP-7	35	NP-7-35	11/16/2017	106-46-7	1,4-Dichlorobenzene	<3	µg/m3	3
NP-7	35	NP-7-35	11/16/2017	594-20-7	2,2-Dichloropropane	<5	µg/m3	5
NP-7	35	NP-7-35	11/16/2017	71-43-2	Benzene	<3	µg/m3	3
NP-7	35	NP-7-35	11/16/2017	98-82-8	Benzene, (1-methylethyl)-	<3	µg/m3	3
NP-7	35	NP-7-35	11/16/2017	95-63-6	Benzene, 1,2,4-trimethyl-	<5	µg/m3	5
NP-7	35	NP-7-35	11/16/2017	108-67-8	Benzene, 1,3,5-trimethyl-	<4	µg/m3	4
NP-7	35	NP-7-35	11/16/2017	108-86-1	bromobenzene	<5	µg/m3	5
NP-7	35	NP-7-35	11/16/2017	75-25-2	Bromoform	<5	µg/m3	5
NP-7	35	NP-7-35	11/16/2017	104-51-8	Butylbenzene	<4	µg/m3	4
NP-7	35	NP-7-35	11/16/2017	56-23-5	Carbon Tetrachloride	<5	µg/m3	5
NP-7	35	NP-7-35	11/16/2017	108-90-7	Chlorobenzene	<4	µg/m3	4
NP-7	35	NP-7-35	11/16/2017	124-48-1	Chlorodibromomethane	4	µg/m3	4
NP-7	35	NP-7-35	11/16/2017	67-66-3	Chloroform	18	µg/m3	3
NP-7	35	NP-7-35	11/16/2017	156-59-2	cis-1,2-Dichloroethene	<3	µg/m3	3
NP-7	35	NP-7-35	11/16/2017	10061-01-5	cis-1,3-Dichloropropene	<3	µg/m3	3
NP-7	35	NP-7-35	11/16/2017	74-95-3	Dibromomethane	<3	µg/m3	3
NP-7	35	NP-7-35	11/16/2017	75-27-4	Dichlorobromomethane	4	µg/m3	3
NP-7	35	NP-7-35	11/16/2017	108-20-3	Diisopropyl Ether	<5	µg/m3	5
NP-7	35	NP-7-35	11/16/2017	100-41-4	Ethylbenzene	<4	µg/m3	4
NP-7	35	NP-7-35	11/16/2017	637-92-3	Ethyl-t-Butyl Ether (ETBE)	<22	µg/m3	22
NP-7	35	NP-7-35	11/16/2017	75-69-4	Freon 11	18.3	µg/m3	5
NP-7	35	NP-7-35	11/16/2017	76-13-1	Freon 113	159	µg/m3	5
NP-7	35	NP-7-35	11/16/2017	75-71-8	Freon 12	1830	µg/m3	5
NP-7	35	NP-7-35	11/16/2017	142-82-5	Heptane	<400	µg/m3	400
NP-7	35	NP-7-35	11/16/2017	87-68-3	Hexachlorobutadiene (HCBD)	<8	µg/m3	8
NP-7	35	NP-7-35	11/16/2017	110-54-3	Hexane	<400	µg/m3	400
NP-7	35	NP-7-35	11/16/2017	179601-23-1	m&p-Xylenes	<6	µg/m3	6
NP-7	35	NP-7-35	11/16/2017	1634-04-4	Methyl tert-Butyl Ether (MTBE)	<9	µg/m3	9
NP-7	35	NP-7-35	11/16/2017	75-09-2	Methylene Chloride (DCM)	<3	µg/m3	3
NP-7	35	NP-7-35	11/16/2017	91-20-3	Naphthalene	<6	µg/m3	6
NP-7	35	NP-7-35	11/16/2017	103-65-1	n-Propylbenzene	<4	µg/m3	4
NP-7	35	NP-7-35	11/16/2017	95-49-8	o-Chlorotoluene	<4	µg/m3	4
NP-7	35	NP-7-35	11/16/2017	95-47-6	o-Xylene	<5	µg/m3	5
NP-7	35	NP-7-35	11/16/2017	106-43-4	p-Chlorotoluene	<4	µg/m3	4
NP-7	35	NP-7-35	11/16/2017	99-87-6	p-Cymene	<4	µg/m3	4
NP-7	35	NP-7-35	11/16/2017	109-66-0	Pentane	<400	µg/m3	400
NP-7	35	NP-7-35	11/16/2017	135-98-8	sec-Butylbenzene	<4	µg/m3	4
NP-7	35	NP-7-35	11/16/2017	100-42-5	Styrene	<3	µg/m3	3
NP-7	35	NP-7-35	11/16/2017	994-05-8	Tert-Amyl Methyl Ether (TAME)	<6	µg/m3	6
NP-7	35	NP-7-35	11/16/2017	75-65-0	tert-Butyl Alcohol (TBA)	<38	µg/m3	38
NP-7	35	NP-7-35	11/16/2017	98-06-6	tert-Butylbenzene	<4	µg/m3	4
NP-7	35	NP-7-35	11/16/2017	127-18-4	Tetrachloroethene (PCE)	7920	µg/m3	3
NP-7	35	NP-7-35	11/16/2017	108-88-3	Toluene	<3	µg/m3	3
NP-7	35	NP-7-35	11/16/2017	156-60-5	trans-1,2-Dichloroethene	<2	µg/m3	2
NP-7	35	NP-7-35	11/16/2017	10061-02-6	trans-1,3-Dichloropropene	<3	µg/m3	3
NP-7	35	NP-7-35	11/16/2017	79-01-6	Trichloroethene (TCE)	1160	µg/m3	3
NP-7	35	NP-7-35	11/16/2017	75-01-4	Vinyl Chloride	<4	µg/m3	4

Appendix A-4
Soil Vapor Analytical Results (14- 45 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
NP-8	17	NP-8-17	11/16/2017	630-20-6	1,1,1,2-Tetrachloroethane	<4	µg/m3	4
NP-8	17	NP-8-17	11/16/2017	71-55-6	1,1,1-Trichloroethane	225	µg/m3	4
NP-8	17	NP-8-17	11/16/2017	79-34-5	1,1,2,2-Tetrachloroethane	<5	µg/m3	5
NP-8	17	NP-8-17	11/16/2017	79-00-5	1,1,2-Trichloroethane	<4	µg/m3	4
NP-8	17	NP-8-17	11/16/2017	563-58-6	1,1-dichloro-1-Propene	<4	µg/m3	4
NP-8	17	NP-8-17	11/16/2017	75-34-3	1,1-Dichloroethane	<4	µg/m3	4
NP-8	17	NP-8-17	11/16/2017	75-35-4	1,1-Dichloroethene	<5	µg/m3	5
NP-8	17	NP-8-17	11/16/2017	87-61-6	1,2,3-Trichlorobenzene	<6	µg/m3	6
NP-8	17	NP-8-17	11/16/2017	96-18-4	1,2,3-Trichloropropane	<4	µg/m3	4
NP-8	17	NP-8-17	11/16/2017	120-82-1	1,2,4-Trichlorobenzene	<5	µg/m3	5
NP-8	17	NP-8-17	11/16/2017	96-12-8	1,2-Dibromo-3-Chloropropane	<6	µg/m3	6
NP-8	17	NP-8-17	11/16/2017	106-93-4	1,2-Dibromoethane	<3	µg/m3	3
NP-8	17	NP-8-17	11/16/2017	95-50-1	1,2-Dichlorobenzene	<4	µg/m3	4
NP-8	17	NP-8-17	11/16/2017	107-06-2	1,2-Dichloroethane	<5	µg/m3	5
NP-8	17	NP-8-17	11/16/2017	78-87-5	1,2-Dichloropropane	<3	µg/m3	3
NP-8	17	NP-8-17	11/16/2017	541-73-1	1,3-Dichlorobenzene	<4	µg/m3	4
NP-8	17	NP-8-17	11/16/2017	142-28-9	1,3-Dichloropropane	<4	µg/m3	4
NP-8	17	NP-8-17	11/16/2017	106-46-7	1,4-Dichlorobenzene	<3	µg/m3	3
NP-8	17	NP-8-17	11/16/2017	594-20-7	2,2-Dichloropropane	<5	µg/m3	5
NP-8	17	NP-8-17	11/16/2017	71-43-2	Benzene	<3	µg/m3	3
NP-8	17	NP-8-17	11/16/2017	98-82-8	Benzene, (1-methylethyl)-	<3	µg/m3	3
NP-8	17	NP-8-17	11/16/2017	95-63-6	Benzene, 1,2,4-trimethyl-	<5	µg/m3	5
NP-8	17	NP-8-17	11/16/2017	108-67-8	Benzene, 1,3,5-trimethyl-	<4	µg/m3	4
NP-8	17	NP-8-17	11/16/2017	108-86-1	bromobenzene	<5	µg/m3	5
NP-8	17	NP-8-17	11/16/2017	75-25-2	Bromoform	<5	µg/m3	5
NP-8	17	NP-8-17	11/16/2017	104-51-8	Butylbenzene	<4	µg/m3	4
NP-8	17	NP-8-17	11/16/2017	56-23-5	Carbon Tetrachloride	30	µg/m3	5
NP-8	17	NP-8-17	11/16/2017	108-90-7	Chlorobenzene	<4	µg/m3	4
NP-8	17	NP-8-17	11/16/2017	124-48-1	Chlorodibromomethane	<4	µg/m3	4
NP-8	17	NP-8-17	11/16/2017	67-66-3	Chloroform	<3	µg/m3	3
NP-8	17	NP-8-17	11/16/2017	156-59-2	cis-1,2-Dichloroethene	<3	µg/m3	3
NP-8	17	NP-8-17	11/16/2017	10061-01-5	cis-1,3-Dichloropropene	<3	µg/m3	3
NP-8	17	NP-8-17	11/16/2017	74-95-3	Dibromomethane	<3	µg/m3	3
NP-8	17	NP-8-17	11/16/2017	75-27-4	Dichlorobromomethane	<3	µg/m3	3
NP-8	17	NP-8-17	11/16/2017	108-20-3	Diisopropyl Ether	<5	µg/m3	5
NP-8	17	NP-8-17	11/16/2017	100-41-4	Ethylbenzene	<4	µg/m3	4
NP-8	17	NP-8-17	11/16/2017	637-92-3	Ethyl-t-Butyl Ether (ETBE)	<22	µg/m3	22
NP-8	17	NP-8-17	11/16/2017	75-69-4	Freon 11	<5	µg/m3	5
NP-8	17	NP-8-17	11/16/2017	76-13-1	Freon 113	<5	µg/m3	5
NP-8	17	NP-8-17	11/16/2017	75-71-8	Freon 12	33.2	µg/m3	5
NP-8	17	NP-8-17	11/16/2017	142-82-5	Heptane	<400	µg/m3	400
NP-8	17	NP-8-17	11/16/2017	87-68-3	Hexachlorobutadiene (HCBD)	<8	µg/m3	8
NP-8	17	NP-8-17	11/16/2017	110-54-3	Hexane	<400	µg/m3	400
NP-8	17	NP-8-17	11/16/2017	179601-23-1	m&p-Xylenes	<6	µg/m3	6
NP-8	17	NP-8-17	11/16/2017	1634-04-4	Methyl tert-Butyl Ether (MTBE)	<9	µg/m3	9
NP-8	17	NP-8-17	11/16/2017	75-09-2	Methylene Chloride (DCM)	<3	µg/m3	3
NP-8	17	NP-8-17	11/16/2017	91-20-3	Naphthalene	<6	µg/m3	6
NP-8	17	NP-8-17	11/16/2017	103-65-1	n-Propylbenzene	<4	µg/m3	4
NP-8	17	NP-8-17	11/16/2017	95-49-8	o-Chlorotoluene	<4	µg/m3	4
NP-8	17	NP-8-17	11/16/2017	95-47-6	o-Xylene	<5	µg/m3	5
NP-8	17	NP-8-17	11/16/2017	106-43-4	p-Chlorotoluene	<4	µg/m3	4
NP-8	17	NP-8-17	11/16/2017	99-87-6	p-Cymene	<4	µg/m3	4
NP-8	17	NP-8-17	11/16/2017	109-66-0	Pentane	<400	µg/m3	400
NP-8	17	NP-8-17	11/16/2017	135-98-8	sec-Butylbenzene	<4	µg/m3	4
NP-8	17	NP-8-17	11/16/2017	100-42-5	Styrene	<3	µg/m3	3
NP-8	17	NP-8-17	11/16/2017	994-05-8	Tert-Amyl Methyl Ether (TAME)	<6	µg/m3	6
NP-8	17	NP-8-17	11/16/2017	75-65-0	tert-Butyl Alcohol (TBA)	<38	µg/m3	38
NP-8	17	NP-8-17	11/16/2017	98-06-6	tert-Butylbenzene	<4	µg/m3	4
NP-8	17	NP-8-17	11/16/2017	127-18-4	Tetrachloroethene (PCE)	2290	µg/m3	3
NP-8	17	NP-8-17	11/16/2017	108-88-3	Toluene	<3	µg/m3	3
NP-8	17	NP-8-17	11/16/2017	156-60-5	trans-1,2-Dichloroethene	<2	µg/m3	2
NP-8	17	NP-8-17	11/16/2017	10061-02-6	trans-1,3-Dichloropropene	<3	µg/m3	3
NP-8	17	NP-8-17	11/16/2017	79-01-6	Trichloroethene (TCE)	<3	µg/m3	3
NP-8	17	NP-8-17	11/16/2017	75-01-4	Vinyl Chloride	<4	µg/m3	4

Appendix A-4
Soil Vapor Analytical Results (14- 45 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
NP-8	37	NP-8-37	11/16/2017	630-20-6	1,1,1,2-Tetrachloroethane	<4	µg/m3	4
NP-8	37	NP-8-37 REP	11/16/2017	630-20-6	1,1,1,2-Tetrachloroethane	<4	µg/m3	4
NP-8	37	NP-8-37	11/16/2017	71-55-6	1,1,1-Trichloroethane	250	µg/m3	4
NP-8	37	NP-8-37 REP	11/16/2017	71-55-6	1,1,1-Trichloroethane	242	µg/m3	4
NP-8	37	NP-8-37	11/16/2017	79-34-5	1,1,2,2-Tetrachloroethane	<5	µg/m3	5
NP-8	37	NP-8-37 REP	11/16/2017	79-34-5	1,1,2,2-Tetrachloroethane	<5	µg/m3	5
NP-8	37	NP-8-37	11/16/2017	79-00-5	1,1,2-Trichloroethane	<4	µg/m3	4
NP-8	37	NP-8-37 REP	11/16/2017	79-00-5	1,1,2-Trichloroethane	<4	µg/m3	4
NP-8	37	NP-8-37	11/16/2017	563-58-6	1,1-dichloro-1-Propene	<4	µg/m3	4
NP-8	37	NP-8-37 REP	11/16/2017	563-58-6	1,1-dichloro-1-Propene	<4	µg/m3	4
NP-8	37	NP-8-37	11/16/2017	75-34-3	1,1-Dichloroethane	<4	µg/m3	4
NP-8	37	NP-8-37 REP	11/16/2017	75-34-3	1,1-Dichloroethane	<4	µg/m3	4
NP-8	37	NP-8-37	11/16/2017	75-35-4	1,1-Dichloroethene	109	µg/m3	5
NP-8	37	NP-8-37 REP	11/16/2017	75-35-4	1,1-Dichloroethene	103	µg/m3	5
NP-8	37	NP-8-37	11/16/2017	87-61-6	1,2,3-Trichlorobenzene	<6	µg/m3	6
NP-8	37	NP-8-37 REP	11/16/2017	87-61-6	1,2,3-Trichlorobenzene	<6	µg/m3	6
NP-8	37	NP-8-37	11/16/2017	96-18-4	1,2,3-Trichloropropane	<4	µg/m3	4
NP-8	37	NP-8-37 REP	11/16/2017	96-18-4	1,2,3-Trichloropropane	<4	µg/m3	4
NP-8	37	NP-8-37	11/16/2017	120-82-1	1,2,4-Trichlorobenzene	<5	µg/m3	5
NP-8	37	NP-8-37 REP	11/16/2017	120-82-1	1,2,4-Trichlorobenzene	<5	µg/m3	5
NP-8	37	NP-8-37	11/16/2017	96-12-8	1,2-Dibromo-3-Chloropropane	<6	µg/m3	6
NP-8	37	NP-8-37 REP	11/16/2017	96-12-8	1,2-Dibromo-3-Chloropropane	<6	µg/m3	6
NP-8	37	NP-8-37	11/16/2017	106-93-4	1,2-Dibromoethane	<3	µg/m3	3
NP-8	37	NP-8-37 REP	11/16/2017	106-93-4	1,2-Dibromoethane	<3	µg/m3	3
NP-8	37	NP-8-37	11/16/2017	95-50-1	1,2-Dichlorobenzene	<4	µg/m3	4
NP-8	37	NP-8-37 REP	11/16/2017	95-50-1	1,2-Dichlorobenzene	<4	µg/m3	4
NP-8	37	NP-8-37	11/16/2017	107-06-2	1,2-Dichloroethane	<5	µg/m3	5
NP-8	37	NP-8-37 REP	11/16/2017	107-06-2	1,2-Dichloroethane	<5	µg/m3	5
NP-8	37	NP-8-37	11/16/2017	78-87-5	1,2-Dichloropropane	<3	µg/m3	3
NP-8	37	NP-8-37 REP	11/16/2017	78-87-5	1,2-Dichloropropane	<3	µg/m3	3
NP-8	37	NP-8-37	11/16/2017	541-73-1	1,3-Dichlorobenzene	<4	µg/m3	4
NP-8	37	NP-8-37 REP	11/16/2017	541-73-1	1,3-Dichlorobenzene	<4	µg/m3	4
NP-8	37	NP-8-37	11/16/2017	142-28-9	1,3-Dichloropropane	<4	µg/m3	4
NP-8	37	NP-8-37 REP	11/16/2017	142-28-9	1,3-Dichloropropane	<4	µg/m3	4
NP-8	37	NP-8-37	11/16/2017	106-46-7	1,4-Dichlorobenzene	<3	µg/m3	3
NP-8	37	NP-8-37 REP	11/16/2017	106-46-7	1,4-Dichlorobenzene	<3	µg/m3	3
NP-8	37	NP-8-37	11/16/2017	594-20-7	2,2-Dichloropropane	<5	µg/m3	5
NP-8	37	NP-8-37 REP	11/16/2017	594-20-7	2,2-Dichloropropane	<5	µg/m3	5
NP-8	37	NP-8-37	11/16/2017	71-43-2	Benzene	<3	µg/m3	3
NP-8	37	NP-8-37 REP	11/16/2017	71-43-2	Benzene	<3	µg/m3	3
NP-8	37	NP-8-37	11/16/2017	98-82-8	Benzene, (1-methylethyl)-	<3	µg/m3	3
NP-8	37	NP-8-37 REP	11/16/2017	98-82-8	Benzene, (1-methylethyl)-	<3	µg/m3	3
NP-8	37	NP-8-37	11/16/2017	95-63-6	Benzene, 1,2,4-trimethyl-	<5	µg/m3	5
NP-8	37	NP-8-37 REP	11/16/2017	95-63-6	Benzene, 1,2,4-trimethyl-	<5	µg/m3	5
NP-8	37	NP-8-37	11/16/2017	108-67-8	Benzene, 1,3,5-trimethyl-	<4	µg/m3	4
NP-8	37	NP-8-37 REP	11/16/2017	108-67-8	Benzene, 1,3,5-trimethyl-	<4	µg/m3	4
NP-8	37	NP-8-37	11/16/2017	108-86-1	bromobenzene	<5	µg/m3	5
NP-8	37	NP-8-37 REP	11/16/2017	108-86-1	bromobenzene	<5	µg/m3	5
NP-8	37	NP-8-37	11/16/2017	75-25-2	Bromoform	<5	µg/m3	5
NP-8	37	NP-8-37 REP	11/16/2017	75-25-2	Bromoform	<5	µg/m3	5
NP-8	37	NP-8-37	11/16/2017	104-51-8	Butylbenzene	<4	µg/m3	4
NP-8	37	NP-8-37 REP	11/16/2017	104-51-8	Butylbenzene	<4	µg/m3	4
NP-8	37	NP-8-37	11/16/2017	56-23-5	Carbon Tetrachloride	33.8	µg/m3	5
NP-8	37	NP-8-37 REP	11/16/2017	56-23-5	Carbon Tetrachloride	31.8	µg/m3	5
NP-8	37	NP-8-37	11/16/2017	108-90-7	Chlorobenzene	<4	µg/m3	4
NP-8	37	NP-8-37 REP	11/16/2017	108-90-7	Chlorobenzene	<4	µg/m3	4
NP-8	37	NP-8-37	11/16/2017	124-48-1	Chlorodibromomethane	<4	µg/m3	4
NP-8	37	NP-8-37 REP	11/16/2017	124-48-1	Chlorodibromomethane	<4	µg/m3	4
NP-8	37	NP-8-37	11/16/2017	67-66-3	Chloroform	<3	µg/m3	3
NP-8	37	NP-8-37 REP	11/16/2017	67-66-3	Chloroform	<3	µg/m3	3
NP-8	37	NP-8-37	11/16/2017	156-59-2	cis-1,2-Dichloroethene	<3	µg/m3	3
NP-8	37	NP-8-37 REP	11/16/2017	156-59-2	cis-1,2-Dichloroethene	<3	µg/m3	3
NP-8	37	NP-8-37	11/16/2017	10061-01-5	cis-1,3-Dichloropropene	<3	µg/m3	3
NP-8	37	NP-8-37 REP	11/16/2017	10061-01-5	cis-1,3-Dichloropropene	<3	µg/m3	3

Appendix A-4
Soil Vapor Analytical Results (14- 45 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
NP-8	37	NP-8-37	11/16/2017	74-95-3	Dibromomethane	<3	µg/m3	3
NP-8	37	NP-8-37 REP	11/16/2017	74-95-3	Dibromomethane	<3	µg/m3	3
NP-8	37	NP-8-37	11/16/2017	75-27-4	Dichlorobromomethane	<3	µg/m3	3
NP-8	37	NP-8-37 REP	11/16/2017	75-27-4	Dichlorobromomethane	<3	µg/m3	3
NP-8	37	NP-8-37	11/16/2017	108-20-3	Diisopropyl Ether	<5	µg/m3	5
NP-8	37	NP-8-37 REP	11/16/2017	108-20-3	Diisopropyl Ether	<5	µg/m3	5
NP-8	37	NP-8-37	11/16/2017	100-41-4	Ethylbenzene	<4	µg/m3	4
NP-8	37	NP-8-37 REP	11/16/2017	100-41-4	Ethylbenzene	<4	µg/m3	4
NP-8	37	NP-8-37	11/16/2017	637-92-3	Ethyl-t-Butyl Ether (ETBE)	<22	µg/m3	22
NP-8	37	NP-8-37 REP	11/16/2017	637-92-3	Ethyl-t-Butyl Ether (ETBE)	<22	µg/m3	22
NP-8	37	NP-8-37	11/16/2017	75-69-4	Freon 11	<5	µg/m3	5
NP-8	37	NP-8-37 REP	11/16/2017	75-69-4	Freon 11	<5	µg/m3	5
NP-8	37	NP-8-37	11/16/2017	76-13-1	Freon 113	<5	µg/m3	5
NP-8	37	NP-8-37 REP	11/16/2017	76-13-1	Freon 113	<5	µg/m3	5
NP-8	37	NP-8-37	11/16/2017	75-71-8	Freon 12	184	µg/m3	5
NP-8	37	NP-8-37 REP	11/16/2017	75-71-8	Freon 12	181	µg/m3	5
NP-8	37	NP-8-37	11/16/2017	142-82-5	Heptane	<400	µg/m3	400
NP-8	37	NP-8-37 REP	11/16/2017	142-82-5	Heptane	<400	µg/m3	400
NP-8	37	NP-8-37	11/16/2017	87-68-3	Hexachlorobutadiene (HCBd)	<8	µg/m3	8
NP-8	37	NP-8-37 REP	11/16/2017	87-68-3	Hexachlorobutadiene (HCBd)	<8	µg/m3	8
NP-8	37	NP-8-37	11/16/2017	110-54-3	Hexane	<400	µg/m3	400
NP-8	37	NP-8-37 REP	11/16/2017	110-54-3	Hexane	<400	µg/m3	400
NP-8	37	NP-8-37	11/16/2017	179601-23-1	m&p-Xylenes	<6	µg/m3	6
NP-8	37	NP-8-37 REP	11/16/2017	179601-23-1	m&p-Xylenes	<6	µg/m3	6
NP-8	37	NP-8-37	11/16/2017	1634-04-4	Methyl tert-Butyl Ether (MTBE)	<9	µg/m3	9
NP-8	37	NP-8-37 REP	11/16/2017	1634-04-4	Methyl tert-Butyl Ether (MTBE)	<9	µg/m3	9
NP-8	37	NP-8-37	11/16/2017	75-09-2	Methylene Chloride (DCM)	<3	µg/m3	3
NP-8	37	NP-8-37 REP	11/16/2017	75-09-2	Methylene Chloride (DCM)	<3	µg/m3	3
NP-8	37	NP-8-37	11/16/2017	91-20-3	Naphthalene	<6	µg/m3	6
NP-8	37	NP-8-37 REP	11/16/2017	91-20-3	Naphthalene	<6	µg/m3	6
NP-8	37	NP-8-37	11/16/2017	103-65-1	n-Propylbenzene	<4	µg/m3	4
NP-8	37	NP-8-37 REP	11/16/2017	103-65-1	n-Propylbenzene	<4	µg/m3	4
NP-8	37	NP-8-37	11/16/2017	95-49-8	o-Chlorotoluene	<4	µg/m3	4
NP-8	37	NP-8-37 REP	11/16/2017	95-49-8	o-Chlorotoluene	<4	µg/m3	4
NP-8	37	NP-8-37	11/16/2017	95-47-6	o-Xylene	<5	µg/m3	5
NP-8	37	NP-8-37 REP	11/16/2017	95-47-6	o-Xylene	<5	µg/m3	5
NP-8	37	NP-8-37	11/16/2017	106-43-4	p-Chlorotoluene	<4	µg/m3	4
NP-8	37	NP-8-37 REP	11/16/2017	106-43-4	p-Chlorotoluene	<4	µg/m3	4
NP-8	37	NP-8-37	11/16/2017	99-87-6	p-Cymene	<4	µg/m3	4
NP-8	37	NP-8-37 REP	11/16/2017	99-87-6	p-Cymene	<4	µg/m3	4
NP-8	37	NP-8-37	11/16/2017	109-66-0	Pentane	<400	µg/m3	400
NP-8	37	NP-8-37 REP	11/16/2017	109-66-0	Pentane	<400	µg/m3	400
NP-8	37	NP-8-37	11/16/2017	135-98-8	sec-Butylbenzene	<4	µg/m3	4
NP-8	37	NP-8-37 REP	11/16/2017	135-98-8	sec-Butylbenzene	<4	µg/m3	4
NP-8	37	NP-8-37	11/16/2017	100-42-5	Styrene	<3	µg/m3	3
NP-8	37	NP-8-37 REP	11/16/2017	100-42-5	Styrene	<3	µg/m3	3
NP-8	37	NP-8-37	11/16/2017	994-05-8	Tert-Amyl Methyl Ether (TAME)	<6	µg/m3	6
NP-8	37	NP-8-37 REP	11/16/2017	994-05-8	Tert-Amyl Methyl Ether (TAME)	<6	µg/m3	6
NP-8	37	NP-8-37	11/16/2017	75-65-0	tert-Butyl Alcohol (TBA)	<38	µg/m3	38
NP-8	37	NP-8-37 REP	11/16/2017	75-65-0	tert-Butyl Alcohol (TBA)	<38	µg/m3	38
NP-8	37	NP-8-37	11/16/2017	98-06-6	tert-Butylbenzene	<4	µg/m3	4
NP-8	37	NP-8-37 REP	11/16/2017	98-06-6	tert-Butylbenzene	<4	µg/m3	4
NP-8	37	NP-8-37	11/16/2017	127-18-4	Tetrachloroethene (PCE)	3440	µg/m3	3
NP-8	37	NP-8-37 REP	11/16/2017	127-18-4	Tetrachloroethene (PCE)	2900	µg/m3	3
NP-8	37	NP-8-37	11/16/2017	108-88-3	Toluene	<3	µg/m3	3
NP-8	37	NP-8-37 REP	11/16/2017	108-88-3	Toluene	<3	µg/m3	3
NP-8	37	NP-8-37	11/16/2017	156-60-5	trans-1,2-Dichloroethene	<2	µg/m3	2
NP-8	37	NP-8-37 REP	11/16/2017	156-60-5	trans-1,2-Dichloroethene	<2	µg/m3	2
NP-8	37	NP-8-37	11/16/2017	10061-02-6	trans-1,3-Dichloropropene	<3	µg/m3	3
NP-8	37	NP-8-37 REP	11/16/2017	10061-02-6	trans-1,3-Dichloropropene	<3	µg/m3	3
NP-8	37	NP-8-37	11/16/2017	79-01-6	Trichloroethene (TCE)	18	µg/m3	3
NP-8	37	NP-8-37 REP	11/16/2017	79-01-6	Trichloroethene (TCE)	17	µg/m3	3
NP-8	37	NP-8-37	11/16/2017	75-01-4	Vinyl Chloride	<4	µg/m3	4
NP-8	37	NP-8-37 REP	11/16/2017	75-01-4	Vinyl Chloride	<4	µg/m3	4

Appendix A-5
Soil Vapor Data
(45-100 feet below ground surface)

Appendix A-4
Soil Vapor Analytical Results (45-100 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
NP-1	49	NP-1-49	11/16/2017	630-20-6	1,1,1,2-Tetrachloroethane	<4	µg/m3	4
NP-1	49	NP-1-49	11/16/2017	71-55-6	1,1,1-Trichloroethane	1010	µg/m3	4
NP-1	49	NP-1-49	11/16/2017	79-34-5	1,1,2,2-Tetrachloroethane	<5	µg/m3	5
NP-1	49	NP-1-49	11/16/2017	79-00-5	1,1,2-Trichloroethane	<4	µg/m3	4
NP-1	49	NP-1-49	11/16/2017	563-58-6	1,1-dichloro-1-Propene	<4	µg/m3	4
NP-1	49	NP-1-49	11/16/2017	75-34-3	1,1-Dichloroethane	<4	µg/m3	4
NP-1	49	NP-1-49	11/16/2017	75-35-4	1,1-Dichloroethene	192	µg/m3	5
NP-1	49	NP-1-49	11/16/2017	87-61-6	1,2,3-Trichlorobenzene	<6	µg/m3	6
NP-1	49	NP-1-49	11/16/2017	96-18-4	1,2,3-Trichloropropane	<4	µg/m3	4
NP-1	49	NP-1-49	11/16/2017	120-82-1	1,2,4-Trichlorobenzene	<5	µg/m3	5
NP-1	49	NP-1-49	11/16/2017	96-12-8	1,2-Dibromo-3-Chloropropane	<6	µg/m3	6
NP-1	49	NP-1-49	11/16/2017	106-93-4	1,2-Dibromoethane	<3	µg/m3	3
NP-1	49	NP-1-49	11/16/2017	95-50-1	1,2-Dichlorobenzene	<4	µg/m3	4
NP-1	49	NP-1-49	11/16/2017	107-06-2	1,2-Dichloroethane	<5	µg/m3	5
NP-1	49	NP-1-49	11/16/2017	78-87-5	1,2-Dichloropropane	<3	µg/m3	3
NP-1	49	NP-1-49	11/16/2017	541-73-1	1,3-Dichlorobenzene	<4	µg/m3	4
NP-1	49	NP-1-49	11/16/2017	142-28-9	1,3-Dichloropropane	<4	µg/m3	4
NP-1	49	NP-1-49	11/16/2017	106-46-7	1,4-Dichlorobenzene	<3	µg/m3	3
NP-1	49	NP-1-49	11/16/2017	594-20-7	2,2-Dichloropropane	<5	µg/m3	5
NP-1	49	NP-1-49	11/16/2017	71-43-2	Benzene	<3	µg/m3	3
NP-1	49	NP-1-49	11/16/2017	98-82-8	Benzene, (1-methylethyl)-	<3	µg/m3	3
NP-1	49	NP-1-49	11/16/2017	95-63-6	Benzene, 1,2,4-trimethyl-	<5	µg/m3	5
NP-1	49	NP-1-49	11/16/2017	108-67-8	Benzene, 1,3,5-trimethyl-	<4	µg/m3	4
NP-1	49	NP-1-49	11/16/2017	108-86-1	bromobenzene	<5	µg/m3	5
NP-1	49	NP-1-49	11/16/2017	75-25-2	Bromoform	<5	µg/m3	5
NP-1	49	NP-1-49	11/16/2017	104-51-8	Butylbenzene	<4	µg/m3	4
NP-1	49	NP-1-49	11/16/2017	56-23-5	Carbon Tetrachloride	<5	µg/m3	5
NP-1	49	NP-1-49	11/16/2017	108-90-7	Chlorobenzene	<4	µg/m3	4
NP-1	49	NP-1-49	11/16/2017	124-48-1	Chlorodibromomethane	<4	µg/m3	4
NP-1	49	NP-1-49	11/16/2017	67-66-3	Chloroform	10.3	µg/m3	3
NP-1	49	NP-1-49	11/16/2017	156-59-2	cis-1,2-Dichloroethene	<3	µg/m3	3
NP-1	49	NP-1-49	11/16/2017	10061-01-5	cis-1,3-Dichloropropene	<3	µg/m3	3
NP-1	49	NP-1-49	11/16/2017	74-95-3	Dibromomethane	<3	µg/m3	3
NP-1	49	NP-1-49	11/16/2017	75-27-4	Dichlorobromomethane	<3	µg/m3	3
NP-1	49	NP-1-49	11/16/2017	108-20-3	Diisopropyl Ether	<5	µg/m3	5
NP-1	49	NP-1-49	11/16/2017	100-41-4	Ethylbenzene	<4	µg/m3	4
NP-1	49	NP-1-49	11/16/2017	637-92-3	Ethyl-t-Butyl Ether (ETBE)	<22	µg/m3	22
NP-1	49	NP-1-49	11/16/2017	75-69-4	Freon 11	5	µg/m3	5
NP-1	49	NP-1-49	11/16/2017	76-13-1	Freon 113	75.8	µg/m3	5
NP-1	49	NP-1-49	11/16/2017	75-71-8	Freon 12	1720	µg/m3	5
NP-1	49	NP-1-49	11/16/2017	142-82-5	Heptane	<400	µg/m3	400
NP-1	49	NP-1-49	11/16/2017	87-68-3	Hexachlorobutadiene (HCBD)	<8	µg/m3	8
NP-1	49	NP-1-49	11/16/2017	110-54-3	Hexane	<400	µg/m3	400
NP-1	49	NP-1-49	11/16/2017	179601-23-1	m&p-Xylenes	<6	µg/m3	6
NP-1	49	NP-1-49	11/16/2017	1634-04-4	Methyl tert-Butyl Ether (MTBE)	<9	µg/m3	9
NP-1	49	NP-1-49	11/16/2017	75-09-2	Methylene Chloride (DCM)	<3	µg/m3	3
NP-1	49	NP-1-49	11/16/2017	91-20-3	Naphthalene	<6	µg/m3	6
NP-1	49	NP-1-49	11/16/2017	103-65-1	n-Propylbenzene	<4	µg/m3	4
NP-1	49	NP-1-49	11/16/2017	95-49-8	o-Chlorotoluene	<4	µg/m3	4
NP-1	49	NP-1-49	11/16/2017	95-47-6	o-Xylene	<5	µg/m3	5
NP-1	49	NP-1-49	11/16/2017	106-43-4	p-Chlorotoluene	<4	µg/m3	4
NP-1	49	NP-1-49	11/16/2017	99-87-6	p-Cymene	<4	µg/m3	4
NP-1	49	NP-1-49	11/16/2017	109-66-0	Pentane	<400	µg/m3	400
NP-1	49	NP-1-49	11/16/2017	135-98-8	sec-Butylbenzene	<4	µg/m3	4
NP-1	49	NP-1-49	11/16/2017	100-42-5	Styrene	<3	µg/m3	3
NP-1	49	NP-1-49	11/16/2017	994-05-8	Tert-Amyl Methyl Ether (TAME)	<6	µg/m3	6
NP-1	49	NP-1-49	11/16/2017	75-65-0	tert-Butyl Alcohol (TBA)	<38	µg/m3	38
NP-1	49	NP-1-49	11/16/2017	98-06-6	tert-Butylbenzene	<4	µg/m3	4
NP-1	49	NP-1-49	11/16/2017	127-18-4	Tetrachloroethene (PCE)	21800	µg/m3	3
NP-1	49	NP-1-49	11/16/2017	108-88-3	Toluene	<3	µg/m3	3
NP-1	49	NP-1-49	11/16/2017	156-60-5	trans-1,2-Dichloroethene	<2	µg/m3	2
NP-1	49	NP-1-49	11/16/2017	10061-02-6	trans-1,3-Dichloropropene	<3	µg/m3	3
NP-1	49	NP-1-49	11/16/2017	79-01-6	Trichloroethene (TCE)	54.2	µg/m3	3
NP-1	49	NP-1-49	11/16/2017	75-01-4	Vinyl Chloride	<4	µg/m3	4

Appendix A-4
Soil Vapor Analytical Results (45-100 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
NP-1	70	NP-1-70	11/16/2017	630-20-6	1,1,1,2-Tetrachloroethane	<4	µg/m3	4
NP-1	70	NP-1-70	11/16/2017	71-55-6	1,1,1-Trichloroethane	455	µg/m3	4
NP-1	70	NP-1-70	11/16/2017	79-34-5	1,1,2,2-Tetrachloroethane	<5	µg/m3	5
NP-1	70	NP-1-70	11/16/2017	79-00-5	1,1,2-Trichloroethane	<4	µg/m3	4
NP-1	70	NP-1-70	11/16/2017	563-58-6	1,1-dichloro-1-Propene	<4	µg/m3	4
NP-1	70	NP-1-70	11/16/2017	75-34-3	1,1-Dichloroethane	<4	µg/m3	4
NP-1	70	NP-1-70	11/16/2017	75-35-4	1,1-Dichloroethene	443	µg/m3	5
NP-1	70	NP-1-70	11/16/2017	87-61-6	1,2,3-Trichlorobenzene	<6	µg/m3	6
NP-1	70	NP-1-70	11/16/2017	96-18-4	1,2,3-Trichloropropane	<4	µg/m3	4
NP-1	70	NP-1-70	11/16/2017	120-82-1	1,2,4-Trichlorobenzene	<5	µg/m3	5
NP-1	70	NP-1-70	11/16/2017	96-12-8	1,2-Dibromo-3-Chloropropane	<6	µg/m3	6
NP-1	70	NP-1-70	11/16/2017	106-93-4	1,2-Dibromoethane	<3	µg/m3	3
NP-1	70	NP-1-70	11/16/2017	95-50-1	1,2-Dichlorobenzene	<4	µg/m3	4
NP-1	70	NP-1-70	11/16/2017	107-06-2	1,2-Dichloroethane	<5	µg/m3	5
NP-1	70	NP-1-70	11/16/2017	78-87-5	1,2-Dichloropropane	<3	µg/m3	3
NP-1	70	NP-1-70	11/16/2017	541-73-1	1,3-Dichlorobenzene	<4	µg/m3	4
NP-1	70	NP-1-70	11/16/2017	142-28-9	1,3-Dichloropropane	<4	µg/m3	4
NP-1	70	NP-1-70	11/16/2017	106-46-7	1,4-Dichlorobenzene	<3	µg/m3	3
NP-1	70	NP-1-70	11/16/2017	594-20-7	2,2-Dichloropropane	<5	µg/m3	5
NP-1	70	NP-1-70	11/16/2017	71-43-2	Benzene	<3	µg/m3	3
NP-1	70	NP-1-70	11/16/2017	98-82-8	Benzene, (1-methylethyl)-	<3	µg/m3	3
NP-1	70	NP-1-70	11/16/2017	95-63-6	Benzene, 1,2,4-trimethyl-	<5	µg/m3	5
NP-1	70	NP-1-70	11/16/2017	108-67-8	Benzene, 1,3,5-trimethyl-	<4	µg/m3	4
NP-1	70	NP-1-70	11/16/2017	108-86-1	bromobenzene	<5	µg/m3	5
NP-1	70	NP-1-70	11/16/2017	75-25-2	Bromoform	<5	µg/m3	5
NP-1	70	NP-1-70	11/16/2017	104-51-8	Butylbenzene	<4	µg/m3	4
NP-1	70	NP-1-70	11/16/2017	56-23-5	Carbon Tetrachloride	<5	µg/m3	5
NP-1	70	NP-1-70	11/16/2017	108-90-7	Chlorobenzene	<4	µg/m3	4
NP-1	70	NP-1-70	11/16/2017	124-48-1	Chlorodibromomethane	<4	µg/m3	4
NP-1	70	NP-1-70	11/16/2017	67-66-3	Chloroform	20.8	µg/m3	3
NP-1	70	NP-1-70	11/16/2017	156-59-2	cis-1,2-Dichloroethene	<3	µg/m3	3
NP-1	70	NP-1-70	11/16/2017	10061-01-5	cis-1,3-Dichloropropene	<3	µg/m3	3
NP-1	70	NP-1-70	11/16/2017	74-95-3	Dibromomethane	<3	µg/m3	3
NP-1	70	NP-1-70	11/16/2017	75-27-4	Dichlorobromomethane	6	µg/m3	3
NP-1	70	NP-1-70	11/16/2017	108-20-3	Diisopropyl Ether	<5	µg/m3	5
NP-1	70	NP-1-70	11/16/2017	100-41-4	Ethylbenzene	<4	µg/m3	4
NP-1	70	NP-1-70	11/16/2017	637-92-3	Ethyl-t-Butyl Ether (ETBE)	<22	µg/m3	22
NP-1	70	NP-1-70	11/16/2017	75-69-4	Freon 11	<5	µg/m3	5
NP-1	70	NP-1-70	11/16/2017	76-13-1	Freon 113	97.6	µg/m3	5
NP-1	70	NP-1-70	11/16/2017	75-71-8	Freon 12	2530	µg/m3	5
NP-1	70	NP-1-70	11/16/2017	142-82-5	Heptane	<400	µg/m3	400
NP-1	70	NP-1-70	11/16/2017	87-68-3	Hexachlorobutadiene (HCBD)	<8	µg/m3	8
NP-1	70	NP-1-70	11/16/2017	110-54-3	Hexane	<400	µg/m3	400
NP-1	70	NP-1-70	11/16/2017	179601-23-1	m&p-Xylenes	<6	µg/m3	6
NP-1	70	NP-1-70	11/16/2017	1634-04-4	Methyl tert-Butyl Ether (MTBE)	<9	µg/m3	9
NP-1	70	NP-1-70	11/16/2017	75-09-2	Methylene Chloride (DCM)	<3	µg/m3	3
NP-1	70	NP-1-70	11/16/2017	91-20-3	Naphthalene	<6	µg/m3	6
NP-1	70	NP-1-70	11/16/2017	103-65-1	n-Propylbenzene	<4	µg/m3	4
NP-1	70	NP-1-70	11/16/2017	95-49-8	o-Chlorotoluene	<4	µg/m3	4
NP-1	70	NP-1-70	11/16/2017	95-47-6	o-Xylene	<5	µg/m3	5
NP-1	70	NP-1-70	11/16/2017	106-43-4	p-Chlorotoluene	<4	µg/m3	4
NP-1	70	NP-1-70	11/16/2017	99-87-6	p-Cymene	<4	µg/m3	4
NP-1	70	NP-1-70	11/16/2017	109-66-0	Pentane	<400	µg/m3	400
NP-1	70	NP-1-70	11/16/2017	135-98-8	sec-Butylbenzene	<4	µg/m3	4
NP-1	70	NP-1-70	11/16/2017	100-42-5	Styrene	<3	µg/m3	3
NP-1	70	NP-1-70	11/16/2017	994-05-8	Tert-Amyl Methyl Ether (TAME)	<6	µg/m3	6
NP-1	70	NP-1-70	11/16/2017	75-65-0	tert-Butyl Alcohol (TBA)	<38	µg/m3	38
NP-1	70	NP-1-70	11/16/2017	98-06-6	tert-Butylbenzene	<4	µg/m3	4
NP-1	70	NP-1-70	11/16/2017	127-18-4	Tetrachloroethene (PCE)	13200	µg/m3	3
NP-1	70	NP-1-70	11/16/2017	108-88-3	Toluene	<3	µg/m3	3
NP-1	70	NP-1-70	11/16/2017	156-60-5	trans-1,2-Dichloroethene	<2	µg/m3	2
NP-1	70	NP-1-70	11/16/2017	10061-02-6	trans-1,3-Dichloropropene	<3	µg/m3	3
NP-1	70	NP-1-70	11/16/2017	79-01-6	Trichloroethene (TCE)	86	µg/m3	3
NP-1	70	NP-1-70	11/16/2017	75-01-4	Vinyl Chloride	<4	µg/m3	4

Appendix A-4
Soil Vapor Analytical Results (45-100 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
NP-1	85	NP-1-85	11/16/2017	630-20-6	1,1,1,2-Tetrachloroethane	11.1	µg/m3	4
NP-1	85	NP-1-85	11/16/2017	71-55-6	1,1,1-Trichloroethane	157	µg/m3	4
NP-1	85	NP-1-85	11/16/2017	79-34-5	1,1,2,2-Tetrachloroethane	<5	µg/m3	5
NP-1	85	NP-1-85	11/16/2017	79-00-5	1,1,2-Trichloroethane	<4	µg/m3	4
NP-1	85	NP-1-85	11/16/2017	563-58-6	1,1-dichloro-1-Propene	<4	µg/m3	4
NP-1	85	NP-1-85	11/16/2017	75-34-3	1,1-Dichloroethane	260	µg/m3	4
NP-1	85	NP-1-85	11/16/2017	75-35-4	1,1-Dichloroethene	1090	µg/m3	5
NP-1	85	NP-1-85	11/16/2017	87-61-6	1,2,3-Trichlorobenzene	<6	µg/m3	6
NP-1	85	NP-1-85	11/16/2017	96-18-4	1,2,3-Trichloropropane	<4	µg/m3	4
NP-1	85	NP-1-85	11/16/2017	120-82-1	1,2,4-Trichlorobenzene	<5	µg/m3	5
NP-1	85	NP-1-85	11/16/2017	96-12-8	1,2-Dibromo-3-Chloropropane	<6	µg/m3	6
NP-1	85	NP-1-85	11/16/2017	106-93-4	1,2-Dibromoethane	<3	µg/m3	3
NP-1	85	NP-1-85	11/16/2017	95-50-1	1,2-Dichlorobenzene	<4	µg/m3	4
NP-1	85	NP-1-85	11/16/2017	107-06-2	1,2-Dichloroethane	<5	µg/m3	5
NP-1	85	NP-1-85	11/16/2017	78-87-5	1,2-Dichloropropane	<3	µg/m3	3
NP-1	85	NP-1-85	11/16/2017	541-73-1	1,3-Dichlorobenzene	<4	µg/m3	4
NP-1	85	NP-1-85	11/16/2017	142-28-9	1,3-Dichloropropane	<4	µg/m3	4
NP-1	85	NP-1-85	11/16/2017	106-46-7	1,4-Dichlorobenzene	<3	µg/m3	3
NP-1	85	NP-1-85	11/16/2017	594-20-7	2,2-Dichloropropane	<5	µg/m3	5
NP-1	85	NP-1-85	11/16/2017	71-43-2	Benzene	<3	µg/m3	3
NP-1	85	NP-1-85	11/16/2017	98-82-8	Benzene, (1-methylethyl)-	<3	µg/m3	3
NP-1	85	NP-1-85	11/16/2017	95-63-6	Benzene, 1,2,4-trimethyl-	<5	µg/m3	5
NP-1	85	NP-1-85	11/16/2017	108-67-8	Benzene, 1,3,5-trimethyl-	<4	µg/m3	4
NP-1	85	NP-1-85	11/16/2017	108-86-1	bromobenzene	<5	µg/m3	5
NP-1	85	NP-1-85	11/16/2017	75-25-2	Bromoform	<5	µg/m3	5
NP-1	85	NP-1-85	11/16/2017	104-51-8	Butylbenzene	<4	µg/m3	4
NP-1	85	NP-1-85	11/16/2017	56-23-5	Carbon Tetrachloride	<5	µg/m3	5
NP-1	85	NP-1-85	11/16/2017	108-90-7	Chlorobenzene	<4	µg/m3	4
NP-1	85	NP-1-85	11/16/2017	124-48-1	Chlorodibromomethane	<4	µg/m3	4
NP-1	85	NP-1-85	11/16/2017	67-66-3	Chloroform	21.8	µg/m3	3
NP-1	85	NP-1-85	11/16/2017	156-59-2	cis-1,2-Dichloroethene	<3	µg/m3	3
NP-1	85	NP-1-85	11/16/2017	10061-01-5	cis-1,3-Dichloropropene	<3	µg/m3	3
NP-1	85	NP-1-85	11/16/2017	74-95-3	Dibromomethane	<3	µg/m3	3
NP-1	85	NP-1-85	11/16/2017	75-27-4	Dichlorobromomethane	5	µg/m3	3
NP-1	85	NP-1-85	11/16/2017	108-20-3	Diisopropyl Ether	<5	µg/m3	5
NP-1	85	NP-1-85	11/16/2017	100-41-4	Ethylbenzene	<4	µg/m3	4
NP-1	85	NP-1-85	11/16/2017	637-92-3	Ethyl-t-Butyl Ether (ETBE)	<22	µg/m3	22
NP-1	85	NP-1-85	11/16/2017	75-69-4	Freon 11	<5	µg/m3	5
NP-1	85	NP-1-85	11/16/2017	76-13-1	Freon 113	34	µg/m3	5
NP-1	85	NP-1-85	11/16/2017	75-71-8	Freon 12	2900	µg/m3	5
NP-1	85	NP-1-85	11/16/2017	142-82-5	Heptane	<400	µg/m3	400
NP-1	85	NP-1-85	11/16/2017	87-68-3	Hexachlorobutadiene (HCBD)	<8	µg/m3	8
NP-1	85	NP-1-85	11/16/2017	110-54-3	Hexane	<400	µg/m3	400
NP-1	85	NP-1-85	11/16/2017	179601-23-1	m&p-Xylenes	<6	µg/m3	6
NP-1	85	NP-1-85	11/16/2017	1634-04-4	Methyl tert-Butyl Ether (MTBE)	<9	µg/m3	9
NP-1	85	NP-1-85	11/16/2017	75-09-2	Methylene Chloride (DCM)	<3	µg/m3	3
NP-1	85	NP-1-85	11/16/2017	91-20-3	Naphthalene	<6	µg/m3	6
NP-1	85	NP-1-85	11/16/2017	103-65-1	n-Propylbenzene	<4	µg/m3	4
NP-1	85	NP-1-85	11/16/2017	95-49-8	o-Chlorotoluene	<4	µg/m3	4
NP-1	85	NP-1-85	11/16/2017	95-47-6	o-Xylene	<5	µg/m3	5
NP-1	85	NP-1-85	11/16/2017	106-43-4	p-Chlorotoluene	<4	µg/m3	4
NP-1	85	NP-1-85	11/16/2017	99-87-6	p-Cymene	<4	µg/m3	4
NP-1	85	NP-1-85	11/16/2017	109-66-0	Pentane	<400	µg/m3	400
NP-1	85	NP-1-85	11/16/2017	135-98-8	sec-Butylbenzene	<4	µg/m3	4
NP-1	85	NP-1-85	11/16/2017	100-42-5	Styrene	<3	µg/m3	3
NP-1	85	NP-1-85	11/16/2017	994-05-8	Tert-Amyl Methyl Ether (TAME)	<6	µg/m3	6
NP-1	85	NP-1-85	11/16/2017	75-65-0	tert-Butyl Alcohol (TBA)	<38	µg/m3	38
NP-1	85	NP-1-85	11/16/2017	98-06-6	tert-Butylbenzene	<4	µg/m3	4
NP-1	85	NP-1-85	11/16/2017	127-18-4	Tetrachloroethene (PCE)	46200	µg/m3	3
NP-1	85	NP-1-85	11/16/2017	108-88-3	Toluene	<3	µg/m3	3
NP-1	85	NP-1-85	11/16/2017	156-60-5	trans-1,2-Dichloroethene	<2	µg/m3	2
NP-1	85	NP-1-85	11/16/2017	10061-02-6	trans-1,3-Dichloropropene	<3	µg/m3	3
NP-1	85	NP-1-85	11/16/2017	79-01-6	Trichloroethene (TCE)	508	µg/m3	3
NP-1	85	NP-1-85	11/16/2017	75-01-4	Vinyl Chloride	<4	µg/m3	4

Appendix A-4
Soil Vapor Analytical Results (45-100 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
NP-2	51	NP-2-51	11/16/2017	630-20-6	1,1,1,2-Tetrachloroethane	514	µg/m3	4
NP-2	51	NP-2-51	11/16/2017	71-55-6	1,1,1-Trichloroethane	<4	µg/m3	4
NP-2	51	NP-2-51	11/16/2017	79-34-5	1,1,2,2-Tetrachloroethane	<5	µg/m3	5
NP-2	51	NP-2-51	11/16/2017	79-00-5	1,1,2-Trichloroethane	<4	µg/m3	4
NP-2	51	NP-2-51	11/16/2017	563-58-6	1,1-dichloro-1-Propene	<4	µg/m3	4
NP-2	51	NP-2-51	11/16/2017	75-34-3	1,1-Dichloroethane	<4	µg/m3	4
NP-2	51	NP-2-51	11/16/2017	75-35-4	1,1-Dichloroethene	44.8	µg/m3	5
NP-2	51	NP-2-51	11/16/2017	87-61-6	1,2,3-Trichlorobenzene	<6	µg/m3	6
NP-2	51	NP-2-51	11/16/2017	96-18-4	1,2,3-Trichloropropane	<4	µg/m3	4
NP-2	51	NP-2-51	11/16/2017	120-82-1	1,2,4-Trichlorobenzene	<5	µg/m3	5
NP-2	51	NP-2-51	11/16/2017	96-12-8	1,2-Dibromo-3-Chloropropane	<6	µg/m3	6
NP-2	51	NP-2-51	11/16/2017	106-93-4	1,2-Dibromoethane	<3	µg/m3	3
NP-2	51	NP-2-51	11/16/2017	95-50-1	1,2-Dichlorobenzene	<4	µg/m3	4
NP-2	51	NP-2-51	11/16/2017	107-06-2	1,2-Dichloroethane	<5	µg/m3	5
NP-2	51	NP-2-51	11/16/2017	78-87-5	1,2-Dichloropropane	<3	µg/m3	3
NP-2	51	NP-2-51	11/16/2017	541-73-1	1,3-Dichlorobenzene	<4	µg/m3	4
NP-2	51	NP-2-51	11/16/2017	142-28-9	1,3-Dichloropropane	<4	µg/m3	4
NP-2	51	NP-2-51	11/16/2017	106-46-7	1,4-Dichlorobenzene	<3	µg/m3	3
NP-2	51	NP-2-51	11/16/2017	594-20-7	2,2-Dichloropropane	<5	µg/m3	5
NP-2	51	NP-2-51	11/16/2017	71-43-2	Benzene	<3	µg/m3	3
NP-2	51	NP-2-51	11/16/2017	98-82-8	Benzene, (1-methylethyl)-	<3	µg/m3	3
NP-2	51	NP-2-51	11/16/2017	95-63-6	Benzene, 1,2,4-trimethyl-	<5	µg/m3	5
NP-2	51	NP-2-51	11/16/2017	108-67-8	Benzene, 1,3,5-trimethyl-	<4	µg/m3	4
NP-2	51	NP-2-51	11/16/2017	108-86-1	bromobenzene	<5	µg/m3	5
NP-2	51	NP-2-51	11/16/2017	75-25-2	Bromoform	<5	µg/m3	5
NP-2	51	NP-2-51	11/16/2017	104-51-8	Butylbenzene	<4	µg/m3	4
NP-2	51	NP-2-51	11/16/2017	56-23-5	Carbon Tetrachloride	<5	µg/m3	5
NP-2	51	NP-2-51	11/16/2017	108-90-7	Chlorobenzene	<4	µg/m3	4
NP-2	51	NP-2-51	11/16/2017	124-48-1	Chlorodibromomethane	<4	µg/m3	4
NP-2	51	NP-2-51	11/16/2017	67-66-3	Chloroform	92.6	µg/m3	3
NP-2	51	NP-2-51	11/16/2017	156-59-2	cis-1,2-Dichloroethene	<3	µg/m3	3
NP-2	51	NP-2-51	11/16/2017	10061-01-5	cis-1,3-Dichloropropene	<3	µg/m3	3
NP-2	51	NP-2-51	11/16/2017	74-95-3	Dibromomethane	<3	µg/m3	3
NP-2	51	NP-2-51	11/16/2017	75-27-4	Dichlorobromomethane	4	µg/m3	3
NP-2	51	NP-2-51	11/16/2017	108-20-3	Diisopropyl Ether	<5	µg/m3	5
NP-2	51	NP-2-51	11/16/2017	100-41-4	Ethylbenzene	<4	µg/m3	4
NP-2	51	NP-2-51	11/16/2017	637-92-3	Ethyl-t-Butyl Ether (ETBE)	<22	µg/m3	22
NP-2	51	NP-2-51	11/16/2017	75-69-4	Freon 11	5	µg/m3	5
NP-2	51	NP-2-51	11/16/2017	76-13-1	Freon 113	141	µg/m3	5
NP-2	51	NP-2-51	11/16/2017	75-71-8	Freon 12	<5	µg/m3	5
NP-2	51	NP-2-51	11/16/2017	142-82-5	Heptane	<400	µg/m3	400
NP-2	51	NP-2-51	11/16/2017	87-68-3	Hexachlorobutadiene (HCBD)	<8	µg/m3	8
NP-2	51	NP-2-51	11/16/2017	110-54-3	Hexane	<400	µg/m3	400
NP-2	51	NP-2-51	11/16/2017	179601-23-1	m&p-Xylenes	<6	µg/m3	6
NP-2	51	NP-2-51	11/16/2017	1634-04-4	Methyl tert-Butyl Ether (MTBE)	<9	µg/m3	9
NP-2	51	NP-2-51	11/16/2017	75-09-2	Methylene Chloride (DCM)	<3	µg/m3	3
NP-2	51	NP-2-51	11/16/2017	91-20-3	Naphthalene	<6	µg/m3	6
NP-2	51	NP-2-51	11/16/2017	103-65-1	n-Propylbenzene	<4	µg/m3	4
NP-2	51	NP-2-51	11/16/2017	95-49-8	o-Chlorotoluene	<4	µg/m3	4
NP-2	51	NP-2-51	11/16/2017	95-47-6	o-Xylene	<5	µg/m3	5
NP-2	51	NP-2-51	11/16/2017	106-43-4	p-Chlorotoluene	<4	µg/m3	4
NP-2	51	NP-2-51	11/16/2017	99-87-6	p-Cymene	<4	µg/m3	4
NP-2	51	NP-2-51	11/16/2017	109-66-0	Pentane	<400	µg/m3	400
NP-2	51	NP-2-51	11/16/2017	135-98-8	sec-Butylbenzene	<4	µg/m3	4
NP-2	51	NP-2-51	11/16/2017	100-42-5	Styrene	<3	µg/m3	3
NP-2	51	NP-2-51	11/16/2017	994-05-8	Tert-Amyl Methyl Ether (TAME)	<6	µg/m3	6
NP-2	51	NP-2-51	11/16/2017	75-65-0	tert-Butyl Alcohol (TBA)	<38	µg/m3	38
NP-2	51	NP-2-51	11/16/2017	98-06-6	tert-Butylbenzene	<4	µg/m3	4
NP-2	51	NP-2-51	11/16/2017	127-18-4	Tetrachloroethene (PCE)	3150000	µg/m3	3
NP-2	51	NP-2-51	11/16/2017	108-88-3	Toluene	9.5	µg/m3	3
NP-2	51	NP-2-51	11/16/2017	156-60-5	trans-1,2-Dichloroethene	8.2	µg/m3	2
NP-2	51	NP-2-51	11/16/2017	10061-02-6	trans-1,3-Dichloropropene	<3	µg/m3	3
NP-2	51	NP-2-51	11/16/2017	79-01-6	Trichloroethene (TCE)	3990	µg/m3	3
NP-2	51	NP-2-51	11/16/2017	75-01-4	Vinyl Chloride	<4	µg/m3	4

Appendix A-4
Soil Vapor Analytical Results (45-100 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
NP-2	81	NP-2-81	11/16/2017	630-20-6	1,1,1,2-Tetrachloroethane	131	µg/m3	4
NP-2	81	NP-2-81	11/16/2017	71-55-6	1,1,1-Trichloroethane	<4	µg/m3	4
NP-2	81	NP-2-81	11/16/2017	79-34-5	1,1,2,2-Tetrachloroethane	<5	µg/m3	5
NP-2	81	NP-2-81	11/16/2017	79-00-5	1,1,2-Trichloroethane	<4	µg/m3	4
NP-2	81	NP-2-81	11/16/2017	563-58-6	1,1-dichloro-1-Propene	<4	µg/m3	4
NP-2	81	NP-2-81	11/16/2017	75-34-3	1,1-Dichloroethane	<4	µg/m3	4
NP-2	81	NP-2-81	11/16/2017	75-35-4	1,1-Dichloroethene	129	µg/m3	5
NP-2	81	NP-2-81	11/16/2017	87-61-6	1,2,3-Trichlorobenzene	<6	µg/m3	6
NP-2	81	NP-2-81	11/16/2017	96-18-4	1,2,3-Trichloropropane	<4	µg/m3	4
NP-2	81	NP-2-81	11/16/2017	120-82-1	1,2,4-Trichlorobenzene	<5	µg/m3	5
NP-2	81	NP-2-81	11/16/2017	96-12-8	1,2-Dibromo-3-Chloropropane	<6	µg/m3	6
NP-2	81	NP-2-81	11/16/2017	106-93-4	1,2-Dibromoethane	<3	µg/m3	3
NP-2	81	NP-2-81	11/16/2017	95-50-1	1,2-Dichlorobenzene	<4	µg/m3	4
NP-2	81	NP-2-81	11/16/2017	107-06-2	1,2-Dichloroethane	<5	µg/m3	5
NP-2	81	NP-2-81	11/16/2017	78-87-5	1,2-Dichloropropane	<3	µg/m3	3
NP-2	81	NP-2-81	11/16/2017	541-73-1	1,3-Dichlorobenzene	<4	µg/m3	4
NP-2	81	NP-2-81	11/16/2017	142-28-9	1,3-Dichloropropane	<4	µg/m3	4
NP-2	81	NP-2-81	11/16/2017	106-46-7	1,4-Dichlorobenzene	<3	µg/m3	3
NP-2	81	NP-2-81	11/16/2017	594-20-7	2,2-Dichloropropane	<5	µg/m3	5
NP-2	81	NP-2-81	11/16/2017	71-43-2	Benzene	<3	µg/m3	3
NP-2	81	NP-2-81	11/16/2017	98-82-8	Benzene, (1-methylethyl)-	<3	µg/m3	3
NP-2	81	NP-2-81	11/16/2017	95-63-6	Benzene, 1,2,4-trimethyl-	<5	µg/m3	5
NP-2	81	NP-2-81	11/16/2017	108-67-8	Benzene, 1,3,5-trimethyl-	<4	µg/m3	4
NP-2	81	NP-2-81	11/16/2017	108-86-1	bromobenzene	<5	µg/m3	5
NP-2	81	NP-2-81	11/16/2017	75-25-2	Bromoform	<5	µg/m3	5
NP-2	81	NP-2-81	11/16/2017	104-51-8	Butylbenzene	<4	µg/m3	4
NP-2	81	NP-2-81	11/16/2017	56-23-5	Carbon Tetrachloride	<5	µg/m3	5
NP-2	81	NP-2-81	11/16/2017	108-90-7	Chlorobenzene	<4	µg/m3	4
NP-2	81	NP-2-81	11/16/2017	124-48-1	Chlorodibromomethane	<4	µg/m3	4
NP-2	81	NP-2-81	11/16/2017	67-66-3	Chloroform	109	µg/m3	3
NP-2	81	NP-2-81	11/16/2017	156-59-2	cis-1,2-Dichloroethene	<3	µg/m3	3
NP-2	81	NP-2-81	11/16/2017	10061-01-5	cis-1,3-Dichloropropene	<3	µg/m3	3
NP-2	81	NP-2-81	11/16/2017	74-95-3	Dibromomethane	<3	µg/m3	3
NP-2	81	NP-2-81	11/16/2017	75-27-4	Dichlorobromomethane	<3	µg/m3	3
NP-2	81	NP-2-81	11/16/2017	108-20-3	Diisopropyl Ether	<5	µg/m3	5
NP-2	81	NP-2-81	11/16/2017	100-41-4	Ethylbenzene	<4	µg/m3	4
NP-2	81	NP-2-81	11/16/2017	637-92-3	Ethyl-t-Butyl Ether (ETBE)	<22	µg/m3	22
NP-2	81	NP-2-81	11/16/2017	75-69-4	Freon 11	<5	µg/m3	5
NP-2	81	NP-2-81	11/16/2017	76-13-1	Freon 113	108	µg/m3	5
NP-2	81	NP-2-81	11/16/2017	75-71-8	Freon 12	<5	µg/m3	5
NP-2	81	NP-2-81	11/16/2017	142-82-5	Heptane	<400	µg/m3	400
NP-2	81	NP-2-81	11/16/2017	87-68-3	Hexachlorobutadiene (HCBD)	<8	µg/m3	8
NP-2	81	NP-2-81	11/16/2017	110-54-3	Hexane	<400	µg/m3	400
NP-2	81	NP-2-81	11/16/2017	179601-23-1	m&p-Xylenes	<6	µg/m3	6
NP-2	81	NP-2-81	11/16/2017	1634-04-4	Methyl tert-Butyl Ether (MTBE)	<9	µg/m3	9
NP-2	81	NP-2-81	11/16/2017	75-09-2	Methylene Chloride (DCM)	<3	µg/m3	3
NP-2	81	NP-2-81	11/16/2017	91-20-3	Naphthalene	<6	µg/m3	6
NP-2	81	NP-2-81	11/16/2017	103-65-1	n-Propylbenzene	<4	µg/m3	4
NP-2	81	NP-2-81	11/16/2017	95-49-8	o-Chlorotoluene	<4	µg/m3	4
NP-2	81	NP-2-81	11/16/2017	95-47-6	o-Xylene	<5	µg/m3	5
NP-2	81	NP-2-81	11/16/2017	106-43-4	p-Chlorotoluene	<4	µg/m3	4
NP-2	81	NP-2-81	11/16/2017	99-87-6	p-Cymene	<4	µg/m3	4
NP-2	81	NP-2-81	11/16/2017	109-66-0	Pentane	<400	µg/m3	400
NP-2	81	NP-2-81	11/16/2017	135-98-8	sec-Butylbenzene	<4	µg/m3	4
NP-2	81	NP-2-81	11/16/2017	100-42-5	Styrene	<3	µg/m3	3
NP-2	81	NP-2-81	11/16/2017	994-05-8	Tert-Amyl Methyl Ether (TAME)	<6	µg/m3	6
NP-2	81	NP-2-81	11/16/2017	75-65-0	tert-Butyl Alcohol (TBA)	<38	µg/m3	38
NP-2	81	NP-2-81	11/16/2017	98-06-6	tert-Butylbenzene	<4	µg/m3	4
NP-2	81	NP-2-81	11/16/2017	127-18-4	Tetrachloroethene (PCE)	1570000	µg/m3	3
NP-2	81	NP-2-81	11/16/2017	108-88-3	Toluene	<3	µg/m3	3
NP-2	81	NP-2-81	11/16/2017	156-60-5	trans-1,2-Dichloroethene	<2	µg/m3	2
NP-2	81	NP-2-81	11/16/2017	10061-02-6	trans-1,3-Dichloropropene	<3	µg/m3	3
NP-2	81	NP-2-81	11/16/2017	79-01-6	Trichloroethene (TCE)	3380	µg/m3	3
NP-2	81	NP-2-81	11/16/2017	75-01-4	Vinyl Chloride	<4	µg/m3	4

Appendix A-4
Soil Vapor Analytical Results (45-100 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
NP-3	53	NP-3-53	11/16/2017	630-20-6	1,1,1,2-Tetrachloroethane	587	µg/m3	4
NP-3	53	NP-3-53	11/16/2017	71-55-6	1,1,1-Trichloroethane	<4	µg/m3	4
NP-3	53	NP-3-53	11/16/2017	79-34-5	1,1,2,2-Tetrachloroethane	<5	µg/m3	5
NP-3	53	NP-3-53	11/16/2017	79-00-5	1,1,2-Trichloroethane	<4	µg/m3	4
NP-3	53	NP-3-53	11/16/2017	563-58-6	1,1-dichloro-1-Propene	<4	µg/m3	4
NP-3	53	NP-3-53	11/16/2017	75-34-3	1,1-Dichloroethane	<4	µg/m3	4
NP-3	53	NP-3-53	11/16/2017	75-35-4	1,1-Dichloroethene	<5	µg/m3	5
NP-3	53	NP-3-53	11/16/2017	87-61-6	1,2,3-Trichlorobenzene	<6	µg/m3	6
NP-3	53	NP-3-53	11/16/2017	96-18-4	1,2,3-Trichloropropane	<4	µg/m3	4
NP-3	53	NP-3-53	11/16/2017	120-82-1	1,2,4-Trichlorobenzene	<5	µg/m3	5
NP-3	53	NP-3-53	11/16/2017	96-12-8	1,2-Dibromo-3-Chloropropane	<6	µg/m3	6
NP-3	53	NP-3-53	11/16/2017	106-93-4	1,2-Dibromoethane	<3	µg/m3	3
NP-3	53	NP-3-53	11/16/2017	95-50-1	1,2-Dichlorobenzene	<4	µg/m3	4
NP-3	53	NP-3-53	11/16/2017	107-06-2	1,2-Dichloroethane	<5	µg/m3	5
NP-3	53	NP-3-53	11/16/2017	78-87-5	1,2-Dichloropropane	<3	µg/m3	3
NP-3	53	NP-3-53	11/16/2017	541-73-1	1,3-Dichlorobenzene	<4	µg/m3	4
NP-3	53	NP-3-53	11/16/2017	142-28-9	1,3-Dichloropropane	<4	µg/m3	4
NP-3	53	NP-3-53	11/16/2017	106-46-7	1,4-Dichlorobenzene	<3	µg/m3	3
NP-3	53	NP-3-53	11/16/2017	594-20-7	2,2-Dichloropropane	<5	µg/m3	5
NP-3	53	NP-3-53	11/16/2017	71-43-2	Benzene	<3	µg/m3	3
NP-3	53	NP-3-53	11/16/2017	98-82-8	Benzene, (1-methylethyl)-	<3	µg/m3	3
NP-3	53	NP-3-53	11/16/2017	95-63-6	Benzene, 1,2,4-trimethyl-	<5	µg/m3	5
NP-3	53	NP-3-53	11/16/2017	108-67-8	Benzene, 1,3,5-trimethyl-	<4	µg/m3	4
NP-3	53	NP-3-53	11/16/2017	108-86-1	bromobenzene	<5	µg/m3	5
NP-3	53	NP-3-53	11/16/2017	75-25-2	Bromoform	<5	µg/m3	5
NP-3	53	NP-3-53	11/16/2017	104-51-8	Butylbenzene	<4	µg/m3	4
NP-3	53	NP-3-53	11/16/2017	56-23-5	Carbon Tetrachloride	<5	µg/m3	5
NP-3	53	NP-3-53	11/16/2017	108-90-7	Chlorobenzene	<4	µg/m3	4
NP-3	53	NP-3-53	11/16/2017	124-48-1	Chlorodibromomethane	<4	µg/m3	4
NP-3	53	NP-3-53	11/16/2017	67-66-3	Chloroform	181	µg/m3	3
NP-3	53	NP-3-53	11/16/2017	156-59-2	cis-1,2-Dichloroethene	<3	µg/m3	3
NP-3	53	NP-3-53	11/16/2017	10061-01-5	cis-1,3-Dichloropropene	<3	µg/m3	3
NP-3	53	NP-3-53	11/16/2017	74-95-3	Dibromomethane	<3	µg/m3	3
NP-3	53	NP-3-53	11/16/2017	75-27-4	Dichlorobromomethane	<3	µg/m3	3
NP-3	53	NP-3-53	11/16/2017	108-20-3	Diisopropyl Ether	<5	µg/m3	5
NP-3	53	NP-3-53	11/16/2017	100-41-4	Ethylbenzene	<4	µg/m3	4
NP-3	53	NP-3-53	11/16/2017	637-92-3	Ethyl-t-Butyl Ether (ETBE)	<22	µg/m3	22
NP-3	53	NP-3-53	11/16/2017	75-69-4	Freon 11	<5	µg/m3	5
NP-3	53	NP-3-53	11/16/2017	76-13-1	Freon 113	37	µg/m3	5
NP-3	53	NP-3-53	11/16/2017	75-71-8	Freon 12	<5	µg/m3	5
NP-3	53	NP-3-53	11/16/2017	142-82-5	Heptane	<400	µg/m3	400
NP-3	53	NP-3-53	11/16/2017	87-68-3	Hexachlorobutadiene (HCBD)	<8	µg/m3	8
NP-3	53	NP-3-53	11/16/2017	110-54-3	Hexane	<400	µg/m3	400
NP-3	53	NP-3-53	11/16/2017	179601-23-1	m&p-Xylenes	<6	µg/m3	6
NP-3	53	NP-3-53	11/16/2017	1634-04-4	Methyl tert-Butyl Ether (MTBE)	<9	µg/m3	9
NP-3	53	NP-3-53	11/16/2017	75-09-2	Methylene Chloride (DCM)	<3	µg/m3	3
NP-3	53	NP-3-53	11/16/2017	91-20-3	Naphthalene	<6	µg/m3	6
NP-3	53	NP-3-53	11/16/2017	103-65-1	n-Propylbenzene	<4	µg/m3	4
NP-3	53	NP-3-53	11/16/2017	95-49-8	o-Chlorotoluene	<4	µg/m3	4
NP-3	53	NP-3-53	11/16/2017	95-47-6	o-Xylene	<5	µg/m3	5
NP-3	53	NP-3-53	11/16/2017	106-43-4	p-Chlorotoluene	<4	µg/m3	4
NP-3	53	NP-3-53	11/16/2017	99-87-6	p-Cymene	<4	µg/m3	4
NP-3	53	NP-3-53	11/16/2017	109-66-0	Pentane	<400	µg/m3	400
NP-3	53	NP-3-53	11/16/2017	135-98-8	sec-Butylbenzene	<4	µg/m3	4
NP-3	53	NP-3-53	11/16/2017	100-42-5	Styrene	<3	µg/m3	3
NP-3	53	NP-3-53	11/16/2017	994-05-8	Tert-Amyl Methyl Ether (TAME)	<6	µg/m3	6
NP-3	53	NP-3-53	11/16/2017	75-65-0	tert-Butyl Alcohol (TBA)	<38	µg/m3	38
NP-3	53	NP-3-53	11/16/2017	98-06-6	tert-Butylbenzene	<4	µg/m3	4
NP-3	53	NP-3-53	11/16/2017	127-18-4	Tetrachloroethene (PCE)	3480000	µg/m3	3
NP-3	53	NP-3-53	11/16/2017	108-88-3	Toluene	<3	µg/m3	3
NP-3	53	NP-3-53	11/16/2017	156-60-5	trans-1,2-Dichloroethene	<2	µg/m3	2
NP-3	53	NP-3-53	11/16/2017	10061-02-6	trans-1,3-Dichloropropene	<3	µg/m3	3
NP-3	53	NP-3-53	11/16/2017	79-01-6	Trichloroethene (TCE)	3210	µg/m3	3
NP-3	53	NP-3-53	11/16/2017	75-01-4	Vinyl Chloride	<4	µg/m3	4

Appendix A-4
Soil Vapor Analytical Results (45-100 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
NP-4	51	NP-4-51	11/16/2017	630-20-6	1,1,1,2-Tetrachloroethane	124	µg/m3	4
NP-4	51	NP-4-51	11/16/2017	71-55-6	1,1,1-Trichloroethane	<4	µg/m3	4
NP-4	51	NP-4-51	11/16/2017	79-34-5	1,1,2,2-Tetrachloroethane	<5	µg/m3	5
NP-4	51	NP-4-51	11/16/2017	79-00-5	1,1,2-Trichloroethane	<4	µg/m3	4
NP-4	51	NP-4-51	11/16/2017	563-58-6	1,1-dichloro-1-Propene	<4	µg/m3	4
NP-4	51	NP-4-51	11/16/2017	75-34-3	1,1-Dichloroethane	<4	µg/m3	4
NP-4	51	NP-4-51	11/16/2017	75-35-4	1,1-Dichloroethene	22.1	µg/m3	5
NP-4	51	NP-4-51	11/16/2017	87-61-6	1,2,3-Trichlorobenzene	<6	µg/m3	6
NP-4	51	NP-4-51	11/16/2017	96-18-4	1,2,3-Trichloropropane	<4	µg/m3	4
NP-4	51	NP-4-51	11/16/2017	120-82-1	1,2,4-Trichlorobenzene	<5	µg/m3	5
NP-4	51	NP-4-51	11/16/2017	96-12-8	1,2-Dibromo-3-Chloropropane	<6	µg/m3	6
NP-4	51	NP-4-51	11/16/2017	106-93-4	1,2-Dibromoethane	<3	µg/m3	3
NP-4	51	NP-4-51	11/16/2017	95-50-1	1,2-Dichlorobenzene	<4	µg/m3	4
NP-4	51	NP-4-51	11/16/2017	107-06-2	1,2-Dichloroethane	<5	µg/m3	5
NP-4	51	NP-4-51	11/16/2017	78-87-5	1,2-Dichloropropane	<3	µg/m3	3
NP-4	51	NP-4-51	11/16/2017	541-73-1	1,3-Dichlorobenzene	<4	µg/m3	4
NP-4	51	NP-4-51	11/16/2017	142-28-9	1,3-Dichloropropane	<4	µg/m3	4
NP-4	51	NP-4-51	11/16/2017	106-46-7	1,4-Dichlorobenzene	<3	µg/m3	3
NP-4	51	NP-4-51	11/16/2017	594-20-7	2,2-Dichloropropane	<5	µg/m3	5
NP-4	51	NP-4-51	11/16/2017	71-43-2	Benzene	<3	µg/m3	3
NP-4	51	NP-4-51	11/16/2017	98-82-8	Benzene, (1-methylethyl)-	<3	µg/m3	3
NP-4	51	NP-4-51	11/16/2017	95-63-6	Benzene, 1,2,4-trimethyl-	<5	µg/m3	5
NP-4	51	NP-4-51	11/16/2017	108-67-8	Benzene, 1,3,5-trimethyl-	<4	µg/m3	4
NP-4	51	NP-4-51	11/16/2017	108-86-1	bromobenzene	<5	µg/m3	5
NP-4	51	NP-4-51	11/16/2017	75-25-2	Bromoform	<5	µg/m3	5
NP-4	51	NP-4-51	11/16/2017	104-51-8	Butylbenzene	<4	µg/m3	4
NP-4	51	NP-4-51	11/16/2017	56-23-5	Carbon Tetrachloride	<5	µg/m3	5
NP-4	51	NP-4-51	11/16/2017	108-90-7	Chlorobenzene	<4	µg/m3	4
NP-4	51	NP-4-51	11/16/2017	124-48-1	Chlorodibromomethane	<4	µg/m3	4
NP-4	51	NP-4-51	11/16/2017	67-66-3	Chloroform	336	µg/m3	3
NP-4	51	NP-4-51	11/16/2017	156-59-2	cis-1,2-Dichloroethene	<3	µg/m3	3
NP-4	51	NP-4-51	11/16/2017	10061-01-5	cis-1,3-Dichloropropene	<3	µg/m3	3
NP-4	51	NP-4-51	11/16/2017	74-95-3	Dibromomethane	<3	µg/m3	3
NP-4	51	NP-4-51	11/16/2017	75-27-4	Dichlorobromomethane	4	µg/m3	3
NP-4	51	NP-4-51	11/16/2017	108-20-3	Diisopropyl Ether	<5	µg/m3	5
NP-4	51	NP-4-51	11/16/2017	100-41-4	Ethylbenzene	<4	µg/m3	4
NP-4	51	NP-4-51	11/16/2017	637-92-3	Ethyl-t-Butyl Ether (ETBE)	<22	µg/m3	22
NP-4	51	NP-4-51	11/16/2017	75-69-4	Freon 11	<5	µg/m3	5
NP-4	51	NP-4-51	11/16/2017	76-13-1	Freon 113	45.9	µg/m3	5
NP-4	51	NP-4-51	11/16/2017	75-71-8	Freon 12	762	µg/m3	5
NP-4	51	NP-4-51	11/16/2017	142-82-5	Heptane	<400	µg/m3	400
NP-4	51	NP-4-51	11/16/2017	87-68-3	Hexachlorobutadiene (HCBD)	<8	µg/m3	8
NP-4	51	NP-4-51	11/16/2017	110-54-3	Hexane	<400	µg/m3	400
NP-4	51	NP-4-51	11/16/2017	179601-23-1	m&p-Xylenes	<6	µg/m3	6
NP-4	51	NP-4-51	11/16/2017	1634-04-4	Methyl tert-Butyl Ether (MTBE)	<9	µg/m3	9
NP-4	51	NP-4-51	11/16/2017	75-09-2	Methylene Chloride (DCM)	<3	µg/m3	3
NP-4	51	NP-4-51	11/16/2017	91-20-3	Naphthalene	<6	µg/m3	6
NP-4	51	NP-4-51	11/16/2017	103-65-1	n-Propylbenzene	<4	µg/m3	4
NP-4	51	NP-4-51	11/16/2017	95-49-8	o-Chlorotoluene	<4	µg/m3	4
NP-4	51	NP-4-51	11/16/2017	95-47-6	o-Xylene	<5	µg/m3	5
NP-4	51	NP-4-51	11/16/2017	106-43-4	p-Chlorotoluene	<4	µg/m3	4
NP-4	51	NP-4-51	11/16/2017	99-87-6	p-Cymene	<4	µg/m3	4
NP-4	51	NP-4-51	11/16/2017	109-66-0	Pentane	<400	µg/m3	400
NP-4	51	NP-4-51	11/16/2017	135-98-8	sec-Butylbenzene	<4	µg/m3	4
NP-4	51	NP-4-51	11/16/2017	100-42-5	Styrene	<3	µg/m3	3
NP-4	51	NP-4-51	11/16/2017	994-05-8	Tert-Amyl Methyl Ether (TAME)	<6	µg/m3	6
NP-4	51	NP-4-51	11/16/2017	75-65-0	tert-Butyl Alcohol (TBA)	<38	µg/m3	38
NP-4	51	NP-4-51	11/16/2017	98-06-6	tert-Butylbenzene	<4	µg/m3	4
NP-4	51	NP-4-51	11/16/2017	127-18-4	Tetrachloroethene (PCE)	684000	µg/m3	3
NP-4	51	NP-4-51	11/16/2017	108-88-3	Toluene	6	µg/m3	3
NP-4	51	NP-4-51	11/16/2017	156-60-5	trans-1,2-Dichloroethene	<2	µg/m3	2
NP-4	51	NP-4-51	11/16/2017	10061-02-6	trans-1,3-Dichloropropene	<3	µg/m3	3
NP-4	51	NP-4-51	11/16/2017	79-01-6	Trichloroethene (TCE)	2550	µg/m3	3
NP-4	51	NP-4-51	11/16/2017	75-01-4	Vinyl Chloride	<4	µg/m3	4

Appendix A-4
Soil Vapor Analytical Results (45-100 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
NP-4	83	NP-4-83	11/16/2017	630-20-6	1,1,1,2-Tetrachloroethane	31.4	µg/m3	4
NP-4	83	NP-4-83	11/16/2017	71-55-6	1,1,1-Trichloroethane	<4	µg/m3	4
NP-4	83	NP-4-83	11/16/2017	79-34-5	1,1,2,2-Tetrachloroethane	<5	µg/m3	5
NP-4	83	NP-4-83	11/16/2017	79-00-5	1,1,2-Trichloroethane	<4	µg/m3	4
NP-4	83	NP-4-83	11/16/2017	563-58-6	1,1-dichloro-1-Propene	<4	µg/m3	4
NP-4	83	NP-4-83	11/16/2017	75-34-3	1,1-Dichloroethane	<4	µg/m3	4
NP-4	83	NP-4-83	11/16/2017	75-35-4	1,1-Dichloroethene	60.8	µg/m3	5
NP-4	83	NP-4-83	11/16/2017	87-61-6	1,2,3-Trichlorobenzene	<6	µg/m3	6
NP-4	83	NP-4-83	11/16/2017	96-18-4	1,2,3-Trichloropropane	<4	µg/m3	4
NP-4	83	NP-4-83	11/16/2017	120-82-1	1,2,4-Trichlorobenzene	<5	µg/m3	5
NP-4	83	NP-4-83	11/16/2017	96-12-8	1,2-Dibromo-3-Chloropropane	<6	µg/m3	6
NP-4	83	NP-4-83	11/16/2017	106-93-4	1,2-Dibromoethane	<3	µg/m3	3
NP-4	83	NP-4-83	11/16/2017	95-50-1	1,2-Dichlorobenzene	<4	µg/m3	4
NP-4	83	NP-4-83	11/16/2017	107-06-2	1,2-Dichloroethane	<5	µg/m3	5
NP-4	83	NP-4-83	11/16/2017	78-87-5	1,2-Dichloropropane	<3	µg/m3	3
NP-4	83	NP-4-83	11/16/2017	541-73-1	1,3-Dichlorobenzene	<4	µg/m3	4
NP-4	83	NP-4-83	11/16/2017	142-28-9	1,3-Dichloropropane	<4	µg/m3	4
NP-4	83	NP-4-83	11/16/2017	106-46-7	1,4-Dichlorobenzene	<3	µg/m3	3
NP-4	83	NP-4-83	11/16/2017	594-20-7	2,2-Dichloropropane	<5	µg/m3	5
NP-4	83	NP-4-83	11/16/2017	71-43-2	Benzene	4	µg/m3	3
NP-4	83	NP-4-83	11/16/2017	98-82-8	Benzene, (1-methylethyl)-	<3	µg/m3	3
NP-4	83	NP-4-83	11/16/2017	95-63-6	Benzene, 1,2,4-trimethyl-	<5	µg/m3	5
NP-4	83	NP-4-83	11/16/2017	108-67-8	Benzene, 1,3,5-trimethyl-	<4	µg/m3	4
NP-4	83	NP-4-83	11/16/2017	108-86-1	bromobenzene	<5	µg/m3	5
NP-4	83	NP-4-83	11/16/2017	75-25-2	Bromoform	<5	µg/m3	5
NP-4	83	NP-4-83	11/16/2017	104-51-8	Butylbenzene	<4	µg/m3	4
NP-4	83	NP-4-83	11/16/2017	56-23-5	Carbon Tetrachloride	<5	µg/m3	5
NP-4	83	NP-4-83	11/16/2017	108-90-7	Chlorobenzene	<4	µg/m3	4
NP-4	83	NP-4-83	11/16/2017	124-48-1	Chlorodibromomethane	<4	µg/m3	4
NP-4	83	NP-4-83	11/16/2017	67-66-3	Chloroform	1040	µg/m3	3
NP-4	83	NP-4-83	11/16/2017	156-59-2	cis-1,2-Dichloroethene	<3	µg/m3	3
NP-4	83	NP-4-83	11/16/2017	10061-01-5	cis-1,3-Dichloropropene	<3	µg/m3	3
NP-4	83	NP-4-83	11/16/2017	74-95-3	Dibromomethane	<3	µg/m3	3
NP-4	83	NP-4-83	11/16/2017	75-27-4	Dichlorobromomethane	<3	µg/m3	3
NP-4	83	NP-4-83	11/16/2017	108-20-3	Diisopropyl Ether	<5	µg/m3	5
NP-4	83	NP-4-83	11/16/2017	100-41-4	Ethylbenzene	<4	µg/m3	4
NP-4	83	NP-4-83	11/16/2017	637-92-3	Ethyl-t-Butyl Ether (ETBE)	<22	µg/m3	22
NP-4	83	NP-4-83	11/16/2017	75-69-4	Freon 11	<5	µg/m3	5
NP-4	83	NP-4-83	11/16/2017	76-13-1	Freon 113	70.8	µg/m3	5
NP-4	83	NP-4-83	11/16/2017	75-71-8	Freon 12	<5	µg/m3	5
NP-4	83	NP-4-83	11/16/2017	142-82-5	Heptane	<400	µg/m3	400
NP-4	83	NP-4-83	11/16/2017	87-68-3	Hexachlorobutadiene (HCBD)	<8	µg/m3	8
NP-4	83	NP-4-83	11/16/2017	110-54-3	Hexane	<400	µg/m3	400
NP-4	83	NP-4-83	11/16/2017	179601-23-1	m&p-Xylenes	<6	µg/m3	6
NP-4	83	NP-4-83	11/16/2017	1634-04-4	Methyl tert-Butyl Ether (MTBE)	<9	µg/m3	9
NP-4	83	NP-4-83	11/16/2017	75-09-2	Methylene Chloride (DCM)	<3	µg/m3	3
NP-4	83	NP-4-83	11/16/2017	91-20-3	Naphthalene	<6	µg/m3	6
NP-4	83	NP-4-83	11/16/2017	103-65-1	n-Propylbenzene	<4	µg/m3	4
NP-4	83	NP-4-83	11/16/2017	95-49-8	o-Chlorotoluene	<4	µg/m3	4
NP-4	83	NP-4-83	11/16/2017	95-47-6	o-Xylene	<5	µg/m3	5
NP-4	83	NP-4-83	11/16/2017	106-43-4	p-Chlorotoluene	<4	µg/m3	4
NP-4	83	NP-4-83	11/16/2017	99-87-6	p-Cymene	<4	µg/m3	4
NP-4	83	NP-4-83	11/16/2017	109-66-0	Pentane	<400	µg/m3	400
NP-4	83	NP-4-83	11/16/2017	135-98-8	sec-Butylbenzene	<4	µg/m3	4
NP-4	83	NP-4-83	11/16/2017	100-42-5	Styrene	<3	µg/m3	3
NP-4	83	NP-4-83	11/16/2017	994-05-8	Tert-Amyl Methyl Ether (TAME)	<6	µg/m3	6
NP-4	83	NP-4-83	11/16/2017	75-65-0	tert-Butyl Alcohol (TBA)	<38	µg/m3	38
NP-4	83	NP-4-83	11/16/2017	98-06-6	tert-Butylbenzene	<4	µg/m3	4
NP-4	83	NP-4-83	11/16/2017	127-18-4	Tetrachloroethene (PCE)	781000	µg/m3	3
NP-4	83	NP-4-83	11/16/2017	108-88-3	Toluene	<3	µg/m3	3
NP-4	83	NP-4-83	11/16/2017	156-60-5	trans-1,2-Dichloroethene	<2	µg/m3	2
NP-4	83	NP-4-83	11/16/2017	10061-02-6	trans-1,3-Dichloropropene	<3	µg/m3	3
NP-4	83	NP-4-83	11/16/2017	79-01-6	Trichloroethene (TCE)	4950	µg/m3	3
NP-4	83	NP-4-83	11/16/2017	75-01-4	Vinyl Chloride	<4	µg/m3	4

Appendix A-4
Soil Vapor Analytical Results (45-100 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
NP-5	57	NP-5-57	11/16/2017	630-20-6	1,1,1,2-Tetrachloroethane	<4	µg/m3	4
NP-5	57	NP-5-57	11/16/2017	71-55-6	1,1,1-Trichloroethane	<4	µg/m3	4
NP-5	57	NP-5-57	11/16/2017	79-34-5	1,1,2,2-Tetrachloroethane	<5	µg/m3	5
NP-5	57	NP-5-57	11/16/2017	79-00-5	1,1,2-Trichloroethane	<4	µg/m3	4
NP-5	57	NP-5-57	11/16/2017	563-58-6	1,1-dichloro-1-Propene	<4	µg/m3	4
NP-5	57	NP-5-57	11/16/2017	75-34-3	1,1-Dichloroethane	<4	µg/m3	4
NP-5	57	NP-5-57	11/16/2017	75-35-4	1,1-Dichloroethene	205	µg/m3	5
NP-5	57	NP-5-57	11/16/2017	87-61-6	1,2,3-Trichlorobenzene	<6	µg/m3	6
NP-5	57	NP-5-57	11/16/2017	96-18-4	1,2,3-Trichloropropane	<4	µg/m3	4
NP-5	57	NP-5-57	11/16/2017	120-82-1	1,2,4-Trichlorobenzene	<5	µg/m3	5
NP-5	57	NP-5-57	11/16/2017	96-12-8	1,2-Dibromo-3-Chloropropane	<6	µg/m3	6
NP-5	57	NP-5-57	11/16/2017	106-93-4	1,2-Dibromoethane	<3	µg/m3	3
NP-5	57	NP-5-57	11/16/2017	95-50-1	1,2-Dichlorobenzene	<4	µg/m3	4
NP-5	57	NP-5-57	11/16/2017	107-06-2	1,2-Dichloroethane	<5	µg/m3	5
NP-5	57	NP-5-57	11/16/2017	78-87-5	1,2-Dichloropropane	<3	µg/m3	3
NP-5	57	NP-5-57	11/16/2017	541-73-1	1,3-Dichlorobenzene	<4	µg/m3	4
NP-5	57	NP-5-57	11/16/2017	142-28-9	1,3-Dichloropropane	<4	µg/m3	4
NP-5	57	NP-5-57	11/16/2017	106-46-7	1,4-Dichlorobenzene	<3	µg/m3	3
NP-5	57	NP-5-57	11/16/2017	594-20-7	2,2-Dichloropropane	<5	µg/m3	5
NP-5	57	NP-5-57	11/16/2017	71-43-2	Benzene	7	µg/m3	3
NP-5	57	NP-5-57	11/16/2017	98-82-8	Benzene, (1-methylethyl)-	<3	µg/m3	3
NP-5	57	NP-5-57	11/16/2017	95-63-6	Benzene, 1,2,4-trimethyl-	<5	µg/m3	5
NP-5	57	NP-5-57	11/16/2017	108-67-8	Benzene, 1,3,5-trimethyl-	<4	µg/m3	4
NP-5	57	NP-5-57	11/16/2017	108-86-1	bromobenzene	<5	µg/m3	5
NP-5	57	NP-5-57	11/16/2017	75-25-2	Bromoform	<5	µg/m3	5
NP-5	57	NP-5-57	11/16/2017	104-51-8	Butylbenzene	<4	µg/m3	4
NP-5	57	NP-5-57	11/16/2017	56-23-5	Carbon Tetrachloride	<5	µg/m3	5
NP-5	57	NP-5-57	11/16/2017	108-90-7	Chlorobenzene	<4	µg/m3	4
NP-5	57	NP-5-57	11/16/2017	124-48-1	Chlorodibromomethane	<4	µg/m3	4
NP-5	57	NP-5-57	11/16/2017	67-66-3	Chloroform	457	µg/m3	3
NP-5	57	NP-5-57	11/16/2017	156-59-2	cis-1,2-Dichloroethene	<3	µg/m3	3
NP-5	57	NP-5-57	11/16/2017	10061-01-5	cis-1,3-Dichloropropene	<3	µg/m3	3
NP-5	57	NP-5-57	11/16/2017	74-95-3	Dibromomethane	<3	µg/m3	3
NP-5	57	NP-5-57	11/16/2017	75-27-4	Dichlorobromomethane	<3	µg/m3	3
NP-5	57	NP-5-57	11/16/2017	108-20-3	Diisopropyl Ether	<5	µg/m3	5
NP-5	57	NP-5-57	11/16/2017	100-41-4	Ethylbenzene	<4	µg/m3	4
NP-5	57	NP-5-57	11/16/2017	637-92-3	Ethyl-t-Butyl Ether (ETBE)	<22	µg/m3	22
NP-5	57	NP-5-57	11/16/2017	75-69-4	Freon 11	<5	µg/m3	5
NP-5	57	NP-5-57	11/16/2017	76-13-1	Freon 113	116	µg/m3	5
NP-5	57	NP-5-57	11/16/2017	75-71-8	Freon 12	1070	µg/m3	5
NP-5	57	NP-5-57	11/16/2017	142-82-5	Heptane	<400	µg/m3	400
NP-5	57	NP-5-57	11/16/2017	87-68-3	Hexachlorobutadiene (HCBD)	<8	µg/m3	8
NP-5	57	NP-5-57	11/16/2017	110-54-3	Hexane	<400	µg/m3	400
NP-5	57	NP-5-57	11/16/2017	179601-23-1	m&p-Xylenes	<6	µg/m3	6
NP-5	57	NP-5-57	11/16/2017	1634-04-4	Methyl tert-Butyl Ether (MTBE)	<9	µg/m3	9
NP-5	57	NP-5-57	11/16/2017	75-09-2	Methylene Chloride (DCM)	<3	µg/m3	3
NP-5	57	NP-5-57	11/16/2017	91-20-3	Naphthalene	<6	µg/m3	6
NP-5	57	NP-5-57	11/16/2017	103-65-1	n-Propylbenzene	<4	µg/m3	4
NP-5	57	NP-5-57	11/16/2017	95-49-8	o-Chlorotoluene	<4	µg/m3	4
NP-5	57	NP-5-57	11/16/2017	95-47-6	o-Xylene	<5	µg/m3	5
NP-5	57	NP-5-57	11/16/2017	106-43-4	p-Chlorotoluene	<4	µg/m3	4
NP-5	57	NP-5-57	11/16/2017	99-87-6	p-Cymene	<4	µg/m3	4
NP-5	57	NP-5-57	11/16/2017	109-66-0	Pentane	<400	µg/m3	400
NP-5	57	NP-5-57	11/16/2017	135-98-8	sec-Butylbenzene	<4	µg/m3	4
NP-5	57	NP-5-57	11/16/2017	100-42-5	Styrene	<3	µg/m3	3
NP-5	57	NP-5-57	11/16/2017	994-05-8	Tert-Amyl Methyl Ether (TAME)	<6	µg/m3	6
NP-5	57	NP-5-57	11/16/2017	75-65-0	tert-Butyl Alcohol (TBA)	<38	µg/m3	38
NP-5	57	NP-5-57	11/16/2017	98-06-6	tert-Butylbenzene	<4	µg/m3	4
NP-5	57	NP-5-57	11/16/2017	127-18-4	Tetrachloroethene (PCE)	18000	µg/m3	3
NP-5	57	NP-5-57	11/16/2017	108-88-3	Toluene	5	µg/m3	3
NP-5	57	NP-5-57	11/16/2017	156-60-5	trans-1,2-Dichloroethene	<2	µg/m3	2
NP-5	57	NP-5-57	11/16/2017	10061-02-6	trans-1,3-Dichloropropene	<3	µg/m3	3
NP-5	57	NP-5-57	11/16/2017	79-01-6	Trichloroethene (TCE)	11700	µg/m3	3
NP-5	57	NP-5-57	11/16/2017	75-01-4	Vinyl Chloride	<4	µg/m3	4

Appendix A-4
Soil Vapor Analytical Results (45-100 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
NP-6	60	NP-6-60	11/16/2017	630-20-6	1,1,1,2-Tetrachloroethane	<4	µg/m3	4
NP-6	60	NP-6-60	11/16/2017	71-55-6	1,1,1-Trichloroethane	12.7	µg/m3	4
NP-6	60	NP-6-60	11/16/2017	79-34-5	1,1,2,2-Tetrachloroethane	<5	µg/m3	5
NP-6	60	NP-6-60	11/16/2017	79-00-5	1,1,2-Trichloroethane	<4	µg/m3	4
NP-6	60	NP-6-60	11/16/2017	563-58-6	1,1-dichloro-1-Propene	<4	µg/m3	4
NP-6	60	NP-6-60	11/16/2017	75-34-3	1,1-Dichloroethane	<4	µg/m3	4
NP-6	60	NP-6-60	11/16/2017	75-35-4	1,1-Dichloroethene	502	µg/m3	5
NP-6	60	NP-6-60	11/16/2017	87-61-6	1,2,3-Trichlorobenzene	<6	µg/m3	6
NP-6	60	NP-6-60	11/16/2017	96-18-4	1,2,3-Trichloropropane	<4	µg/m3	4
NP-6	60	NP-6-60	11/16/2017	120-82-1	1,2,4-Trichlorobenzene	<5	µg/m3	5
NP-6	60	NP-6-60	11/16/2017	96-12-8	1,2-Dibromo-3-Chloropropane	<6	µg/m3	6
NP-6	60	NP-6-60	11/16/2017	106-93-4	1,2-Dibromoethane	<3	µg/m3	3
NP-6	60	NP-6-60	11/16/2017	95-50-1	1,2-Dichlorobenzene	<4	µg/m3	4
NP-6	60	NP-6-60	11/16/2017	107-06-2	1,2-Dichloroethane	<5	µg/m3	5
NP-6	60	NP-6-60	11/16/2017	78-87-5	1,2-Dichloropropane	<3	µg/m3	3
NP-6	60	NP-6-60	11/16/2017	541-73-1	1,3-Dichlorobenzene	<4	µg/m3	4
NP-6	60	NP-6-60	11/16/2017	142-28-9	1,3-Dichloropropane	<4	µg/m3	4
NP-6	60	NP-6-60	11/16/2017	106-46-7	1,4-Dichlorobenzene	<3	µg/m3	3
NP-6	60	NP-6-60	11/16/2017	594-20-7	2,2-Dichloropropane	<5	µg/m3	5
NP-6	60	NP-6-60	11/16/2017	71-43-2	Benzene	<3	µg/m3	3
NP-6	60	NP-6-60	11/16/2017	98-82-8	Benzene, (1-methylethyl)-	<3	µg/m3	3
NP-6	60	NP-6-60	11/16/2017	95-63-6	Benzene, 1,2,4-trimethyl-	<5	µg/m3	5
NP-6	60	NP-6-60	11/16/2017	108-67-8	Benzene, 1,3,5-trimethyl-	<4	µg/m3	4
NP-6	60	NP-6-60	11/16/2017	108-86-1	bromobenzene	<5	µg/m3	5
NP-6	60	NP-6-60	11/16/2017	75-25-2	Bromoform	<5	µg/m3	5
NP-6	60	NP-6-60	11/16/2017	104-51-8	Butylbenzene	<4	µg/m3	4
NP-6	60	NP-6-60	11/16/2017	56-23-5	Carbon Tetrachloride	<5	µg/m3	5
NP-6	60	NP-6-60	11/16/2017	108-90-7	Chlorobenzene	<4	µg/m3	4
NP-6	60	NP-6-60	11/16/2017	124-48-1	Chlorodibromomethane	<4	µg/m3	4
NP-6	60	NP-6-60	11/16/2017	67-66-3	Chloroform	22.4	µg/m3	3
NP-6	60	NP-6-60	11/16/2017	156-59-2	cis-1,2-Dichloroethene	<3	µg/m3	3
NP-6	60	NP-6-60	11/16/2017	10061-01-5	cis-1,3-Dichloropropene	<3	µg/m3	3
NP-6	60	NP-6-60	11/16/2017	74-95-3	Dibromomethane	<3	µg/m3	3
NP-6	60	NP-6-60	11/16/2017	75-27-4	Dichlorobromomethane	4	µg/m3	3
NP-6	60	NP-6-60	11/16/2017	108-20-3	Diisopropyl Ether	<5	µg/m3	5
NP-6	60	NP-6-60	11/16/2017	100-41-4	Ethylbenzene	<4	µg/m3	4
NP-6	60	NP-6-60	11/16/2017	637-92-3	Ethyl-t-Butyl Ether (ETBE)	<22	µg/m3	22
NP-6	60	NP-6-60	11/16/2017	75-69-4	Freon 11	<5	µg/m3	5
NP-6	60	NP-6-60	11/16/2017	76-13-1	Freon 113	33	µg/m3	5
NP-6	60	NP-6-60	11/16/2017	75-71-8	Freon 12	329	µg/m3	5
NP-6	60	NP-6-60	11/16/2017	142-82-5	Heptane	<400	µg/m3	400
NP-6	60	NP-6-60	11/16/2017	87-68-3	Hexachlorobutadiene (HCBD)	<8	µg/m3	8
NP-6	60	NP-6-60	11/16/2017	110-54-3	Hexane	<400	µg/m3	400
NP-6	60	NP-6-60	11/16/2017	179601-23-1	m&p-Xylenes	<6	µg/m3	6
NP-6	60	NP-6-60	11/16/2017	1634-04-4	Methyl tert-Butyl Ether (MTBE)	<9	µg/m3	9
NP-6	60	NP-6-60	11/16/2017	75-09-2	Methylene Chloride (DCM)	<3	µg/m3	3
NP-6	60	NP-6-60	11/16/2017	91-20-3	Naphthalene	<6	µg/m3	6
NP-6	60	NP-6-60	11/16/2017	103-65-1	n-Propylbenzene	<4	µg/m3	4
NP-6	60	NP-6-60	11/16/2017	95-49-8	o-Chlorotoluene	<4	µg/m3	4
NP-6	60	NP-6-60	11/16/2017	95-47-6	o-Xylene	<5	µg/m3	5
NP-6	60	NP-6-60	11/16/2017	106-43-4	p-Chlorotoluene	<4	µg/m3	4
NP-6	60	NP-6-60	11/16/2017	99-87-6	p-Cymene	<4	µg/m3	4
NP-6	60	NP-6-60	11/16/2017	109-66-0	Pentane	<400	µg/m3	400
NP-6	60	NP-6-60	11/16/2017	135-98-8	sec-Butylbenzene	<4	µg/m3	4
NP-6	60	NP-6-60	11/16/2017	100-42-5	Styrene	<3	µg/m3	3
NP-6	60	NP-6-60	11/16/2017	994-05-8	Tert-Amyl Methyl Ether (TAME)	<6	µg/m3	6
NP-6	60	NP-6-60	11/16/2017	75-65-0	tert-Butyl Alcohol (TBA)	<38	µg/m3	38
NP-6	60	NP-6-60	11/16/2017	98-06-6	tert-Butylbenzene	<4	µg/m3	4
NP-6	60	NP-6-60	11/16/2017	127-18-4	Tetrachloroethene (PCE)	4440	µg/m3	3
NP-6	60	NP-6-60	11/16/2017	108-88-3	Toluene	<3	µg/m3	3
NP-6	60	NP-6-60	11/16/2017	156-60-5	trans-1,2-Dichloroethene	<2	µg/m3	2
NP-6	60	NP-6-60	11/16/2017	10061-02-6	trans-1,3-Dichloropropene	<3	µg/m3	3
NP-6	60	NP-6-60	11/16/2017	79-01-6	Trichloroethene (TCE)	678	µg/m3	3
NP-6	60	NP-6-60	11/16/2017	75-01-4	Vinyl Chloride	<4	µg/m3	4

Appendix A-4
Soil Vapor Analytical Results (45-100 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
NP-6	86	NP-6-86	11/16/2017	630-20-6	1,1,1,2-Tetrachloroethane	<4	µg/m3	4
NP-6	86	NP-6-86	11/16/2017	71-55-6	1,1,1-Trichloroethane	<4	µg/m3	4
NP-6	86	NP-6-86	11/16/2017	79-34-5	1,1,2,2-Tetrachloroethane	<5	µg/m3	5
NP-6	86	NP-6-86	11/16/2017	79-00-5	1,1,2-Trichloroethane	<4	µg/m3	4
NP-6	86	NP-6-86	11/16/2017	563-58-6	1,1-dichloro-1-Propene	<4	µg/m3	4
NP-6	86	NP-6-86	11/16/2017	75-34-3	1,1-Dichloroethane	<4	µg/m3	4
NP-6	86	NP-6-86	11/16/2017	75-35-4	1,1-Dichloroethene	163	µg/m3	5
NP-6	86	NP-6-86	11/16/2017	87-61-6	1,2,3-Trichlorobenzene	<6	µg/m3	6
NP-6	86	NP-6-86	11/16/2017	96-18-4	1,2,3-Trichloropropane	<4	µg/m3	4
NP-6	86	NP-6-86	11/16/2017	120-82-1	1,2,4-Trichlorobenzene	<5	µg/m3	5
NP-6	86	NP-6-86	11/16/2017	96-12-8	1,2-Dibromo-3-Chloropropane	<6	µg/m3	6
NP-6	86	NP-6-86	11/16/2017	106-93-4	1,2-Dibromoethane	<3	µg/m3	3
NP-6	86	NP-6-86	11/16/2017	95-50-1	1,2-Dichlorobenzene	<4	µg/m3	4
NP-6	86	NP-6-86	11/16/2017	107-06-2	1,2-Dichloroethane	<5	µg/m3	5
NP-6	86	NP-6-86	11/16/2017	78-87-5	1,2-Dichloropropane	<3	µg/m3	3
NP-6	86	NP-6-86	11/16/2017	541-73-1	1,3-Dichlorobenzene	<4	µg/m3	4
NP-6	86	NP-6-86	11/16/2017	142-28-9	1,3-Dichloropropane	<4	µg/m3	4
NP-6	86	NP-6-86	11/16/2017	106-46-7	1,4-Dichlorobenzene	<3	µg/m3	3
NP-6	86	NP-6-86	11/16/2017	594-20-7	2,2-Dichloropropane	<5	µg/m3	5
NP-6	86	NP-6-86	11/16/2017	71-43-2	Benzene	<3	µg/m3	3
NP-6	86	NP-6-86	11/16/2017	98-82-8	Benzene, (1-methylethyl)-	<3	µg/m3	3
NP-6	86	NP-6-86	11/16/2017	95-63-6	Benzene, 1,2,4-trimethyl-	<5	µg/m3	5
NP-6	86	NP-6-86	11/16/2017	108-67-8	Benzene, 1,3,5-trimethyl-	<4	µg/m3	4
NP-6	86	NP-6-86	11/16/2017	108-86-1	bromobenzene	<5	µg/m3	5
NP-6	86	NP-6-86	11/16/2017	75-25-2	Bromoform	<5	µg/m3	5
NP-6	86	NP-6-86	11/16/2017	104-51-8	Butylbenzene	<4	µg/m3	4
NP-6	86	NP-6-86	11/16/2017	56-23-5	Carbon Tetrachloride	<5	µg/m3	5
NP-6	86	NP-6-86	11/16/2017	108-90-7	Chlorobenzene	<4	µg/m3	4
NP-6	86	NP-6-86	11/16/2017	124-48-1	Chlorodibromomethane	<4	µg/m3	4
NP-6	86	NP-6-86	11/16/2017	67-66-3	Chloroform	<3	µg/m3	3
NP-6	86	NP-6-86	11/16/2017	156-59-2	cis-1,2-Dichloroethene	<3	µg/m3	3
NP-6	86	NP-6-86	11/16/2017	10061-01-5	cis-1,3-Dichloropropene	<3	µg/m3	3
NP-6	86	NP-6-86	11/16/2017	74-95-3	Dibromomethane	<3	µg/m3	3
NP-6	86	NP-6-86	11/16/2017	75-27-4	Dichlorobromomethane	<3	µg/m3	3
NP-6	86	NP-6-86	11/16/2017	108-20-3	Diisopropyl Ether	<5	µg/m3	5
NP-6	86	NP-6-86	11/16/2017	100-41-4	Ethylbenzene	<4	µg/m3	4
NP-6	86	NP-6-86	11/16/2017	637-92-3	Ethyl-t-Butyl Ether (ETBE)	<22	µg/m3	22
NP-6	86	NP-6-86	11/16/2017	75-69-4	Freon 11	<5	µg/m3	5
NP-6	86	NP-6-86	11/16/2017	76-13-1	Freon 113	5	µg/m3	5
NP-6	86	NP-6-86	11/16/2017	75-71-8	Freon 12	<5	µg/m3	5
NP-6	86	NP-6-86	11/16/2017	142-82-5	Heptane	<400	µg/m3	400
NP-6	86	NP-6-86	11/16/2017	87-68-3	Hexachlorobutadiene (HCBD)	<8	µg/m3	8
NP-6	86	NP-6-86	11/16/2017	110-54-3	Hexane	<400	µg/m3	400
NP-6	86	NP-6-86	11/16/2017	179601-23-1	m&p-Xylenes	<6	µg/m3	6
NP-6	86	NP-6-86	11/16/2017	1634-04-4	Methyl tert-Butyl Ether (MTBE)	<9	µg/m3	9
NP-6	86	NP-6-86	11/16/2017	75-09-2	Methylene Chloride (DCM)	<3	µg/m3	3
NP-6	86	NP-6-86	11/16/2017	91-20-3	Naphthalene	<6	µg/m3	6
NP-6	86	NP-6-86	11/16/2017	103-65-1	n-Propylbenzene	<4	µg/m3	4
NP-6	86	NP-6-86	11/16/2017	95-49-8	o-Chlorotoluene	<4	µg/m3	4
NP-6	86	NP-6-86	11/16/2017	95-47-6	o-Xylene	<5	µg/m3	5
NP-6	86	NP-6-86	11/16/2017	106-43-4	p-Chlorotoluene	<4	µg/m3	4
NP-6	86	NP-6-86	11/16/2017	99-87-6	p-Cymene	<4	µg/m3	4
NP-6	86	NP-6-86	11/16/2017	109-66-0	Pentane	<400	µg/m3	400
NP-6	86	NP-6-86	11/16/2017	135-98-8	sec-Butylbenzene	<4	µg/m3	4
NP-6	86	NP-6-86	11/16/2017	100-42-5	Styrene	<3	µg/m3	3
NP-6	86	NP-6-86	11/16/2017	994-05-8	Tert-Amyl Methyl Ether (TAME)	<6	µg/m3	6
NP-6	86	NP-6-86	11/16/2017	75-65-0	tert-Butyl Alcohol (TBA)	<38	µg/m3	38
NP-6	86	NP-6-86	11/16/2017	98-06-6	tert-Butylbenzene	<4	µg/m3	4
NP-6	86	NP-6-86	11/16/2017	127-18-4	Tetrachloroethene (PCE)	5220	µg/m3	3
NP-6	86	NP-6-86	11/16/2017	108-88-3	Toluene	<3	µg/m3	3
NP-6	86	NP-6-86	11/16/2017	156-60-5	trans-1,2-Dichloroethene	<2	µg/m3	2
NP-6	86	NP-6-86	11/16/2017	10061-02-6	trans-1,3-Dichloropropene	<3	µg/m3	3
NP-6	86	NP-6-86	11/16/2017	79-01-6	Trichloroethene (TCE)	173	µg/m3	3
NP-6	86	NP-6-86	11/16/2017	75-01-4	Vinyl Chloride	<4	µg/m3	4

Appendix A-4
Soil Vapor Analytical Results (45-100 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
NP-7	53	NP-7-53	11/16/2017	630-20-6	1,1,1,2-Tetrachloroethane	<4	µg/m3	4
NP-7	53	NP-7-53	11/16/2017	71-55-6	1,1,1-Trichloroethane	20.4	µg/m3	4
NP-7	53	NP-7-53	11/16/2017	79-34-5	1,1,2,2-Tetrachloroethane	<5	µg/m3	5
NP-7	53	NP-7-53	11/16/2017	79-00-5	1,1,2-Trichloroethane	<4	µg/m3	4
NP-7	53	NP-7-53	11/16/2017	563-58-6	1,1-dichloro-1-Propene	<4	µg/m3	4
NP-7	53	NP-7-53	11/16/2017	75-34-3	1,1-Dichloroethane	9.3	µg/m3	4
NP-7	53	NP-7-53	11/16/2017	75-35-4	1,1-Dichloroethene	991	µg/m3	5
NP-7	53	NP-7-53	11/16/2017	87-61-6	1,2,3-Trichlorobenzene	<6	µg/m3	6
NP-7	53	NP-7-53	11/16/2017	96-18-4	1,2,3-Trichloropropane	<4	µg/m3	4
NP-7	53	NP-7-53	11/16/2017	120-82-1	1,2,4-Trichlorobenzene	<5	µg/m3	5
NP-7	53	NP-7-53	11/16/2017	96-12-8	1,2-Dibromo-3-Chloropropane	<6	µg/m3	6
NP-7	53	NP-7-53	11/16/2017	106-93-4	1,2-Dibromoethane	<3	µg/m3	3
NP-7	53	NP-7-53	11/16/2017	95-50-1	1,2-Dichlorobenzene	<4	µg/m3	4
NP-7	53	NP-7-53	11/16/2017	107-06-2	1,2-Dichloroethane	<5	µg/m3	5
NP-7	53	NP-7-53	11/16/2017	78-87-5	1,2-Dichloropropane	<3	µg/m3	3
NP-7	53	NP-7-53	11/16/2017	541-73-1	1,3-Dichlorobenzene	<4	µg/m3	4
NP-7	53	NP-7-53	11/16/2017	142-28-9	1,3-Dichloropropane	<4	µg/m3	4
NP-7	53	NP-7-53	11/16/2017	106-46-7	1,4-Dichlorobenzene	<3	µg/m3	3
NP-7	53	NP-7-53	11/16/2017	594-20-7	2,2-Dichloropropane	<5	µg/m3	5
NP-7	53	NP-7-53	11/16/2017	71-43-2	Benzene	<3	µg/m3	3
NP-7	53	NP-7-53	11/16/2017	98-82-8	Benzene, (1-methylethyl)-	<3	µg/m3	3
NP-7	53	NP-7-53	11/16/2017	95-63-6	Benzene, 1,2,4-trimethyl-	<5	µg/m3	5
NP-7	53	NP-7-53	11/16/2017	108-67-8	Benzene, 1,3,5-trimethyl-	<4	µg/m3	4
NP-7	53	NP-7-53	11/16/2017	108-86-1	bromobenzene	<5	µg/m3	5
NP-7	53	NP-7-53	11/16/2017	75-25-2	Bromoform	<5	µg/m3	5
NP-7	53	NP-7-53	11/16/2017	104-51-8	Butylbenzene	<4	µg/m3	4
NP-7	53	NP-7-53	11/16/2017	56-23-5	Carbon Tetrachloride	13.8	µg/m3	5
NP-7	53	NP-7-53	11/16/2017	108-90-7	Chlorobenzene	<4	µg/m3	4
NP-7	53	NP-7-53	11/16/2017	124-48-1	Chlorodibromomethane	<4	µg/m3	4
NP-7	53	NP-7-53	11/16/2017	67-66-3	Chloroform	47.1	µg/m3	3
NP-7	53	NP-7-53	11/16/2017	156-59-2	cis-1,2-Dichloroethene	<3	µg/m3	3
NP-7	53	NP-7-53	11/16/2017	10061-01-5	cis-1,3-Dichloropropene	<3	µg/m3	3
NP-7	53	NP-7-53	11/16/2017	74-95-3	Dibromomethane	<3	µg/m3	3
NP-7	53	NP-7-53	11/16/2017	75-27-4	Dichlorobromomethane	<3	µg/m3	3
NP-7	53	NP-7-53	11/16/2017	108-20-3	Diisopropyl Ether	<5	µg/m3	5
NP-7	53	NP-7-53	11/16/2017	100-41-4	Ethylbenzene	<4	µg/m3	4
NP-7	53	NP-7-53	11/16/2017	637-92-3	Ethyl-t-Butyl Ether (ETBE)	<22	µg/m3	22
NP-7	53	NP-7-53	11/16/2017	75-69-4	Freon 11	7	µg/m3	5
NP-7	53	NP-7-53	11/16/2017	76-13-1	Freon 113	117	µg/m3	5
NP-7	53	NP-7-53	11/16/2017	75-71-8	Freon 12	1040	µg/m3	5
NP-7	53	NP-7-53	11/16/2017	142-82-5	Heptane	<400	µg/m3	400
NP-7	53	NP-7-53	11/16/2017	87-68-3	Hexachlorobutadiene (HCBD)	<8	µg/m3	8
NP-7	53	NP-7-53	11/16/2017	110-54-3	Hexane	<400	µg/m3	400
NP-7	53	NP-7-53	11/16/2017	179601-23-1	m&p-Xylenes	<6	µg/m3	6
NP-7	53	NP-7-53	11/16/2017	1634-04-4	Methyl tert-Butyl Ether (MTBE)	<9	µg/m3	9
NP-7	53	NP-7-53	11/16/2017	75-09-2	Methylene Chloride (DCM)	<3	µg/m3	3
NP-7	53	NP-7-53	11/16/2017	91-20-3	Naphthalene	<6	µg/m3	6
NP-7	53	NP-7-53	11/16/2017	103-65-1	n-Propylbenzene	<4	µg/m3	4
NP-7	53	NP-7-53	11/16/2017	95-49-8	o-Chlorotoluene	<4	µg/m3	4
NP-7	53	NP-7-53	11/16/2017	95-47-6	o-Xylene	<5	µg/m3	5
NP-7	53	NP-7-53	11/16/2017	106-43-4	p-Chlorotoluene	<4	µg/m3	4
NP-7	53	NP-7-53	11/16/2017	99-87-6	p-Cymene	<4	µg/m3	4
NP-7	53	NP-7-53	11/16/2017	109-66-0	Pentane	<400	µg/m3	400
NP-7	53	NP-7-53	11/16/2017	135-98-8	sec-Butylbenzene	<4	µg/m3	4
NP-7	53	NP-7-53	11/16/2017	100-42-5	Styrene	<3	µg/m3	3
NP-7	53	NP-7-53	11/16/2017	994-05-8	Tert-Amyl Methyl Ether (TAME)	<6	µg/m3	6
NP-7	53	NP-7-53	11/16/2017	75-65-0	tert-Butyl Alcohol (TBA)	<38	µg/m3	38
NP-7	53	NP-7-53	11/16/2017	98-06-6	tert-Butylbenzene	<4	µg/m3	4
NP-7	53	NP-7-53	11/16/2017	127-18-4	Tetrachloroethene (PCE)	8410	µg/m3	3
NP-7	53	NP-7-53	11/16/2017	108-88-3	Toluene	<3	µg/m3	3
NP-7	53	NP-7-53	11/16/2017	156-60-5	trans-1,2-Dichloroethene	<2	µg/m3	2
NP-7	53	NP-7-53	11/16/2017	10061-02-6	trans-1,3-Dichloropropene	<3	µg/m3	3
NP-7	53	NP-7-53	11/16/2017	79-01-6	Trichloroethene (TCE)	3080	µg/m3	3
NP-7	53	NP-7-53	11/16/2017	75-01-4	Vinyl Chloride	5	µg/m3	4

Appendix A-4
Soil Vapor Analytical Results (45-100 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
NP-8	57	NP-8-57	11/16/2017	630-20-6	1,1,1,2-Tetrachloroethane	<4	µg/m3	4
NP-8	57	NP-8-57	11/16/2017	71-55-6	1,1,1-Trichloroethane	197	µg/m3	4
NP-8	57	NP-8-57	11/16/2017	79-34-5	1,1,2,2-Tetrachloroethane	<5	µg/m3	5
NP-8	57	NP-8-57	11/16/2017	79-00-5	1,1,2-Trichloroethane	<4	µg/m3	4
NP-8	57	NP-8-57	11/16/2017	563-58-6	1,1-dichloro-1-Propene	<4	µg/m3	4
NP-8	57	NP-8-57	11/16/2017	75-34-3	1,1-Dichloroethane	<4	µg/m3	4
NP-8	57	NP-8-57	11/16/2017	75-35-4	1,1-Dichloroethene	1210	µg/m3	5
NP-8	57	NP-8-57	11/16/2017	87-61-6	1,2,3-Trichlorobenzene	<6	µg/m3	6
NP-8	57	NP-8-57	11/16/2017	96-18-4	1,2,3-Trichloropropane	<4	µg/m3	4
NP-8	57	NP-8-57	11/16/2017	120-82-1	1,2,4-Trichlorobenzene	<5	µg/m3	5
NP-8	57	NP-8-57	11/16/2017	96-12-8	1,2-Dibromo-3-Chloropropane	<6	µg/m3	6
NP-8	57	NP-8-57	11/16/2017	106-93-4	1,2-Dibromoethane	<3	µg/m3	3
NP-8	57	NP-8-57	11/16/2017	95-50-1	1,2-Dichlorobenzene	<4	µg/m3	4
NP-8	57	NP-8-57	11/16/2017	107-06-2	1,2-Dichloroethane	<5	µg/m3	5
NP-8	57	NP-8-57	11/16/2017	78-87-5	1,2-Dichloropropane	<3	µg/m3	3
NP-8	57	NP-8-57	11/16/2017	541-73-1	1,3-Dichlorobenzene	<4	µg/m3	4
NP-8	57	NP-8-57	11/16/2017	142-28-9	1,3-Dichloropropane	<4	µg/m3	4
NP-8	57	NP-8-57	11/16/2017	106-46-7	1,4-Dichlorobenzene	<3	µg/m3	3
NP-8	57	NP-8-57	11/16/2017	594-20-7	2,2-Dichloropropane	<5	µg/m3	5
NP-8	57	NP-8-57	11/16/2017	71-43-2	Benzene	<3	µg/m3	3
NP-8	57	NP-8-57	11/16/2017	98-82-8	Benzene, (1-methylethyl)-	<3	µg/m3	3
NP-8	57	NP-8-57	11/16/2017	95-63-6	Benzene, 1,2,4-trimethyl-	<5	µg/m3	5
NP-8	57	NP-8-57	11/16/2017	108-67-8	Benzene, 1,3,5-trimethyl-	<4	µg/m3	4
NP-8	57	NP-8-57	11/16/2017	108-86-1	bromobenzene	<5	µg/m3	5
NP-8	57	NP-8-57	11/16/2017	75-25-2	Bromoform	<5	µg/m3	5
NP-8	57	NP-8-57	11/16/2017	104-51-8	Butylbenzene	<4	µg/m3	4
NP-8	57	NP-8-57	11/16/2017	56-23-5	Carbon Tetrachloride	8.6	µg/m3	5
NP-8	57	NP-8-57	11/16/2017	108-90-7	Chlorobenzene	<4	µg/m3	4
NP-8	57	NP-8-57	11/16/2017	124-48-1	Chlorodibromomethane	<4	µg/m3	4
NP-8	57	NP-8-57	11/16/2017	67-66-3	Chloroform	7	µg/m3	3
NP-8	57	NP-8-57	11/16/2017	156-59-2	cis-1,2-Dichloroethene	<3	µg/m3	3
NP-8	57	NP-8-57	11/16/2017	10061-01-5	cis-1,3-Dichloropropene	<3	µg/m3	3
NP-8	57	NP-8-57	11/16/2017	74-95-3	Dibromomethane	<3	µg/m3	3
NP-8	57	NP-8-57	11/16/2017	75-27-4	Dichlorobromomethane	<3	µg/m3	3
NP-8	57	NP-8-57	11/16/2017	108-20-3	Diisopropyl Ether	<5	µg/m3	5
NP-8	57	NP-8-57	11/16/2017	100-41-4	Ethylbenzene	<4	µg/m3	4
NP-8	57	NP-8-57	11/16/2017	637-92-3	Ethyl-t-Butyl Ether (ETBE)	<22	µg/m3	22
NP-8	57	NP-8-57	11/16/2017	75-69-4	Freon 11	<5	µg/m3	5
NP-8	57	NP-8-57	11/16/2017	76-13-1	Freon 113	105	µg/m3	5
NP-8	57	NP-8-57	11/16/2017	75-71-8	Freon 12	363	µg/m3	5
NP-8	57	NP-8-57	11/16/2017	142-82-5	Heptane	<400	µg/m3	400
NP-8	57	NP-8-57	11/16/2017	87-68-3	Hexachlorobutadiene (HCBD)	<8	µg/m3	8
NP-8	57	NP-8-57	11/16/2017	110-54-3	Hexane	<400	µg/m3	400
NP-8	57	NP-8-57	11/16/2017	179601-23-1	m&p-Xylenes	<6	µg/m3	6
NP-8	57	NP-8-57	11/16/2017	1634-04-4	Methyl tert-Butyl Ether (MTBE)	<9	µg/m3	9
NP-8	57	NP-8-57	11/16/2017	75-09-2	Methylene Chloride (DCM)	<3	µg/m3	3
NP-8	57	NP-8-57	11/16/2017	91-20-3	Naphthalene	<6	µg/m3	6
NP-8	57	NP-8-57	11/16/2017	103-65-1	n-Propylbenzene	<4	µg/m3	4
NP-8	57	NP-8-57	11/16/2017	95-49-8	o-Chlorotoluene	<4	µg/m3	4
NP-8	57	NP-8-57	11/16/2017	95-47-6	o-Xylene	<5	µg/m3	5
NP-8	57	NP-8-57	11/16/2017	106-43-4	p-Chlorotoluene	<4	µg/m3	4
NP-8	57	NP-8-57	11/16/2017	99-87-6	p-Cymene	<4	µg/m3	4
NP-8	57	NP-8-57	11/16/2017	109-66-0	Pentane	<400	µg/m3	400
NP-8	57	NP-8-57	11/16/2017	135-98-8	sec-Butylbenzene	<4	µg/m3	4
NP-8	57	NP-8-57	11/16/2017	100-42-5	Styrene	<3	µg/m3	3
NP-8	57	NP-8-57	11/16/2017	994-05-8	Tert-Amyl Methyl Ether (TAME)	<6	µg/m3	6
NP-8	57	NP-8-57	11/16/2017	75-65-0	tert-Butyl Alcohol (TBA)	<38	µg/m3	38
NP-8	57	NP-8-57	11/16/2017	98-06-6	tert-Butylbenzene	<4	µg/m3	4
NP-8	57	NP-8-57	11/16/2017	127-18-4	Tetrachloroethene (PCE)	3370	µg/m3	3
NP-8	57	NP-8-57	11/16/2017	108-88-3	Toluene	<3	µg/m3	3
NP-8	57	NP-8-57	11/16/2017	156-60-5	trans-1,2-Dichloroethene	<2	µg/m3	2
NP-8	57	NP-8-57	11/16/2017	10061-02-6	trans-1,3-Dichloropropene	<3	µg/m3	3
NP-8	57	NP-8-57	11/16/2017	79-01-6	Trichloroethene (TCE)	429	µg/m3	3
NP-8	57	NP-8-57	11/16/2017	75-01-4	Vinyl Chloride	<4	µg/m3	4

Appendix A-4
Soil Vapor Analytical Results (45-100 ft bgs)

Location	Depth (ft. bgs)	Sample ID	Sample Date	CAS Number	Analyte	Result	Unit	Detection Limit
NP-8	80	NP-8-80	11/16/2017	630-20-6	1,1,1,2-Tetrachloroethane	<4	µg/m3	4
NP-8	80	NP-8-80	11/16/2017	71-55-6	1,1,1-Trichloroethane	196	µg/m3	4
NP-8	80	NP-8-80	11/16/2017	79-34-5	1,1,2,2-Tetrachloroethane	<5	µg/m3	5
NP-8	80	NP-8-80	11/16/2017	79-00-5	1,1,2-Trichloroethane	<4	µg/m3	4
NP-8	80	NP-8-80	11/16/2017	563-58-6	1,1-dichloro-1-Propene	<4	µg/m3	4
NP-8	80	NP-8-80	11/16/2017	75-34-3	1,1-Dichloroethane	30.2	µg/m3	4
NP-8	80	NP-8-80	11/16/2017	75-35-4	1,1-Dichloroethene	3840	µg/m3	5
NP-8	80	NP-8-80	11/16/2017	87-61-6	1,2,3-Trichlorobenzene	<6	µg/m3	6
NP-8	80	NP-8-80	11/16/2017	96-18-4	1,2,3-Trichloropropane	<4	µg/m3	4
NP-8	80	NP-8-80	11/16/2017	120-82-1	1,2,4-Trichlorobenzene	<5	µg/m3	5
NP-8	80	NP-8-80	11/16/2017	96-12-8	1,2-Dibromo-3-Chloropropane	<6	µg/m3	6
NP-8	80	NP-8-80	11/16/2017	106-93-4	1,2-Dibromoethane	<3	µg/m3	3
NP-8	80	NP-8-80	11/16/2017	95-50-1	1,2-Dichlorobenzene	<4	µg/m3	4
NP-8	80	NP-8-80	11/16/2017	107-06-2	1,2-Dichloroethane	<5	µg/m3	5
NP-8	80	NP-8-80	11/16/2017	78-87-5	1,2-Dichloropropane	<3	µg/m3	3
NP-8	80	NP-8-80	11/16/2017	541-73-1	1,3-Dichlorobenzene	<4	µg/m3	4
NP-8	80	NP-8-80	11/16/2017	142-28-9	1,3-Dichloropropane	<4	µg/m3	4
NP-8	80	NP-8-80	11/16/2017	106-46-7	1,4-Dichlorobenzene	<3	µg/m3	3
NP-8	80	NP-8-80	11/16/2017	594-20-7	2,2-Dichloropropane	<5	µg/m3	5
NP-8	80	NP-8-80	11/16/2017	71-43-2	Benzene	<3	µg/m3	3
NP-8	80	NP-8-80	11/16/2017	98-82-8	Benzene, (1-methylethyl)-	<3	µg/m3	3
NP-8	80	NP-8-80	11/16/2017	95-63-6	Benzene, 1,2,4-trimethyl-	<5	µg/m3	5
NP-8	80	NP-8-80	11/16/2017	108-67-8	Benzene, 1,3,5-trimethyl-	<4	µg/m3	4
NP-8	80	NP-8-80	11/16/2017	108-86-1	bromobenzene	<5	µg/m3	5
NP-8	80	NP-8-80	11/16/2017	75-25-2	Bromoform	<5	µg/m3	5
NP-8	80	NP-8-80	11/16/2017	104-51-8	Butylbenzene	<4	µg/m3	4
NP-8	80	NP-8-80	11/16/2017	56-23-5	Carbon Tetrachloride	27.2	µg/m3	5
NP-8	80	NP-8-80	11/16/2017	108-90-7	Chlorobenzene	<4	µg/m3	4
NP-8	80	NP-8-80	11/16/2017	124-48-1	Chlorodibromomethane	<4	µg/m3	4
NP-8	80	NP-8-80	11/16/2017	67-66-3	Chloroform	28.2	µg/m3	3
NP-8	80	NP-8-80	11/16/2017	156-59-2	cis-1,2-Dichloroethene	6	µg/m3	3
NP-8	80	NP-8-80	11/16/2017	10061-01-5	cis-1,3-Dichloropropene	<3	µg/m3	3
NP-8	80	NP-8-80	11/16/2017	74-95-3	Dibromomethane	<3	µg/m3	3
NP-8	80	NP-8-80	11/16/2017	75-27-4	Dichlorobromomethane	<3	µg/m3	3
NP-8	80	NP-8-80	11/16/2017	108-20-3	Diisopropyl Ether	<5	µg/m3	5
NP-8	80	NP-8-80	11/16/2017	100-41-4	Ethylbenzene	<4	µg/m3	4
NP-8	80	NP-8-80	11/16/2017	637-92-3	Ethyl-t-Butyl Ether (ETBE)	<22	µg/m3	22
NP-8	80	NP-8-80	11/16/2017	75-69-4	Freon 11	<5	µg/m3	5
NP-8	80	NP-8-80	11/16/2017	76-13-1	Freon 113	186	µg/m3	5
NP-8	80	NP-8-80	11/16/2017	75-71-8	Freon 12	450	µg/m3	5
NP-8	80	NP-8-80	11/16/2017	142-82-5	Heptane	<400	µg/m3	400
NP-8	80	NP-8-80	11/16/2017	87-68-3	Hexachlorobutadiene (HCBD)	<8	µg/m3	8
NP-8	80	NP-8-80	11/16/2017	110-54-3	Hexane	<400	µg/m3	400
NP-8	80	NP-8-80	11/16/2017	179601-23-1	m&p-Xylenes	<6	µg/m3	6
NP-8	80	NP-8-80	11/16/2017	1634-04-4	Methyl tert-Butyl Ether (MTBE)	<9	µg/m3	9
NP-8	80	NP-8-80	11/16/2017	75-09-2	Methylene Chloride (DCM)	<3	µg/m3	3
NP-8	80	NP-8-80	11/16/2017	91-20-3	Naphthalene	<6	µg/m3	6
NP-8	80	NP-8-80	11/16/2017	103-65-1	n-Propylbenzene	<4	µg/m3	4
NP-8	80	NP-8-80	11/16/2017	95-49-8	o-Chlorotoluene	<4	µg/m3	4
NP-8	80	NP-8-80	11/16/2017	95-47-6	o-Xylene	<5	µg/m3	5
NP-8	80	NP-8-80	11/16/2017	106-43-4	p-Chlorotoluene	<4	µg/m3	4
NP-8	80	NP-8-80	11/16/2017	99-87-6	p-Cymene	<4	µg/m3	4
NP-8	80	NP-8-80	11/16/2017	109-66-0	Pentane	<400	µg/m3	400
NP-8	80	NP-8-80	11/16/2017	135-98-8	sec-Butylbenzene	<4	µg/m3	4
NP-8	80	NP-8-80	11/16/2017	100-42-5	Styrene	<3	µg/m3	3
NP-8	80	NP-8-80	11/16/2017	994-05-8	Tert-Amyl Methyl Ether (TAME)	<6	µg/m3	6
NP-8	80	NP-8-80	11/16/2017	75-65-0	tert-Butyl Alcohol (TBA)	<38	µg/m3	38
NP-8	80	NP-8-80	11/16/2017	98-06-6	tert-Butylbenzene	<4	µg/m3	4
NP-8	80	NP-8-80	11/16/2017	127-18-4	Tetrachloroethene (PCE)	5980	µg/m3	3
NP-8	80	NP-8-80	11/16/2017	108-88-3	Toluene	<3	µg/m3	3
NP-8	80	NP-8-80	11/16/2017	156-60-5	trans-1,2-Dichloroethene	<2	µg/m3	2
NP-8	80	NP-8-80	11/16/2017	10061-02-6	trans-1,3-Dichloropropene	<3	µg/m3	3
NP-8	80	NP-8-80	11/16/2017	79-01-6	Trichloroethene (TCE)	2310	µg/m3	3
NP-8	80	NP-8-80	11/16/2017	75-01-4	Vinyl Chloride	<4	µg/m3	4

Appendix B

ProUCL Statistical Output

Appendix B-1
CAS Number Table &
Soil Statistical Output
(0-14 feet below ground surface)

CAS Number Reference Table

CAS Number	Analyte
100-41-4	Ethylbenzene
100-42-5	Styrene
10061-01-5	cis-1,3-Dichloropropene
10061-02-6	trans-1,3-Dichloropropene
103-65-1	n-Propylbenzene
104-51-8	Butylbenzene
106-43-4	p-Chlorotoluene
106-46-7	1,4-Dichlorobenzene
106-93-4	1,2-Dibromoethane
107-06-2	1,2-Dichloroethane
108-05-4	Vinyl Acetate
108-10-1	Methyl Isobutyl Ketone (MIBK)
108-67-8	Benzene, 1,3,5-trimethyl-
108-86-1	bromobenzene
108-88-3	Toluene
108-90-7	Chlorobenzene
120-82-1	1,2,4-Trichlorobenzene
124-48-1	Chlorodibromomethane
127-18-4	Tetrachloroethene (PCE)
135-98-8	sec-Butylbenzene
142-28-9	1,3-Dichloropropane
156-59-2	cis-1,2-Dichloroethene
156-60-5	trans-1,2-Dichloroethene
1634-04-4	Methyl tert-Butyl Ether (MTBE)
179601-23-1	m&p-Xylenes
541-73-1	1,3-Dichlorobenzene
56-23-5	Carbon Tetrachloride
563-58-6	1,1-dichloro-1-Propene
591-78-6	Methyl butyl ketone
594-20-7	2,2-Dichloropropane
630-20-6	1,1,1,2-Tetrachloroethane
67-64-1	Acetone
67-66-3	Chloroform
71-43-2	Benzene
71-55-6	1,1,1-Trichloroethane
74-83-9	Methyl Bromide
74-87-3	Chloromethane
74-95-3	Dibromomethane
74-97-5	Bromochloromethane
75-00-3	Ethyl Chloride
75-01-4	Vinyl Chloride
75-09-2	Methylene Chloride (DCM)
75-15-0	Carbon Disulfide
75-25-2	Bromoform
75-27-4	Dichlorobromomethane
75-34-3	1,1-Dichloroethane

CAS Number Reference Table

CAS Number	Analyte
75-35-4	1,1-Dichloroethene
75-69-4	Freon 11
75-71-8	Freon 12
76-13-1	Freon 113
78-87-5	1,2-Dichloropropane
78-93-3	2-butanone (MEK)
79-00-5	1,1,2-Trichloroethane
79-01-6	Trichloroethene (TCE)
79-34-5	1,1,2,2-Tetrachloroethane
87-61-6	1,2,3-Trichlorobenzene
91-20-3	Naphthalene
95-47-6	o-Xylene
95-49-8	o-Chlorotoluene
95-50-1	1,2-Dichlorobenzene
95-63-6	Benzene, 1,2,4-trimethyl-
96-12-8	1,2-Dibromo-3-Chloropropane
96-18-4	1,2,3-Trichloropropane
98-06-6	tert-Butylbenzene
98-82-8	Benzene, (1-methylethyl)-
99-87-6	p-Cymene
7440-66-6	Zinc
108-38-3	Xylenes
7440-62-2	Vanadium
75-69-4	Trichlorofluoromethane
79-01-6	Trichloroethylene
N/A	TPH Gasoline Range
7440-28-0	Thallium
127-18-4	Tetrachloroethylene
994-05-8	Tert-amylmethylether (TAME)
75-65-0	Tert- Butylalcohol (TBA)
7440-22-4	Silver
7782-49-2	Selenium
N/A	ORO (C29-C32)
7440-02-0	Nickel
104-51-8	n-Butylbenzene
7439-98-7	Molybdenum
1634-04-4	Methyl-t-Butyl Ether (MTBE)
75-09-2	Methylene chloride
7439-97-6	Mercury
7439-92-1	Lead
98-82-8	Isopropylbenzene
630-01-3	Hexacosane
87-68-3	Hexachlorobutadiene
N/A	Gasoline Range Organics
637-92-3	Ethyl-tert-butylether (ETBE)
N/A	DRO (C10-C28)

CAS Number Reference Table

CAS Number	Analyte
108-20-3	Di-isopropylether (DIPE)
75-71-8	Dichlorodifluoromethane
124-48-1	Dibromochloromethane
7440-50-8	Copper
7440-48-4	Cobalt
18540-29-9	Chromium, Hexavalent
7440-47-3	Chromium
67-66-3	Chloroform
108-90-7	Chlorobenzene
7440-43-9	Cadmium
75-25-2	Bromoform
75-27-4	Bromodichloromethane
75-27-4	Bromodichloromethane
108-86-1	Bromobenzene
7440-41-7	Beryllium
71-43-2	Benzene
7440-39-3	Barium
7440-38-2	Arsenic
7440-36-0	Antimony
99-87-6	4-Isopropyltoluene
106-43-4	4-Chlorotoluene
106-43-4	4-Chlorotoluene
95-49-8	2-Chlorotoluene
95-49-8	2-Chlorotoluene
106-46-7	1,4-Dichlorobenzene
541-73-1	1,3-Dichlorobenzene
108-67-8	1,3,5-Trimethylbenzene
107-06-2	1,2-Dichloroethane
106-93-4	1,2-Dibromoethane (EDB)
106-93-4	1,2-Dibromoethane (EDB)
96-12-8	1,2-Dibromo-3-chloropropane
95-63-6	1,2,4-Trimethylbenzene
563-58-6	1,1-Dichloropropene
75-35-4	1,1-Dichloroethene

UCL Statistics for Data Sets with Non-Detects

User Selected Options

Date/Time of Computation ProUCL 5.112/19/2017 10:39:06 AM
From File 2012-2017 Soil Data 0-14 ft bgs.xls
Full Precision OFF
Confidence Coefficient 95%
Number of Bootstrap Operations 2000

Value_mgkg (100-41-4)

General Statistics

Total Number of Observations	119	Number of Distinct Observations	5
Number of Detects	1	Number of Non-Detects	118
Number of Distinct Detects	1	Number of Distinct Non-Detects	4

Warning: Only one distinct data value was detected! ProUCL (or any other software) should not be used on such a data set!
It is suggested to use alternative site specific values determined by the Project Team to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable Value_mgkg (100-41-4) was not processed!

Value_mgkg (100-42-5)

General Statistics

Total Number of Observations	119	Number of Distinct Observations	5
Number of Detects	0	Number of Non-Detects	119
Number of Distinct Detects	0	Number of Distinct Non-Detects	5

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!
Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!
The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable Value_mgkg (100-42-5) was not processed!

Value_mgkg (10061-01-5)

General Statistics

Total Number of Observations	117	Number of Distinct Observations	4
Number of Detects	0	Number of Non-Detects	117
Number of Distinct Detects	0	Number of Distinct Non-Detects	4

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!
Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!
The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable Value_mgkg (10061-01-5) was not processed!

Value_mgkg (10061-02-6)

General Statistics

Total Number of Observations	119	Number of Distinct Observations	5
Number of Detects	0	Number of Non-Detects	119
Number of Distinct Detects	0	Number of Distinct Non-Detects	5

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!

Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!

The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable Value_mgkg (10061-02-6) was not processed!

Value_mgkg (103-65-1)

General Statistics

Total Number of Observations	119	Number of Distinct Observations	5
Number of Detects	0	Number of Non-Detects	119
Number of Distinct Detects	0	Number of Distinct Non-Detects	5

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!

Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!

The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable Value_mgkg (103-65-1) was not processed!

Value_mgkg (104-51-8)

General Statistics

Total Number of Observations	119	Number of Distinct Observations	5
Number of Detects	0	Number of Non-Detects	119
Number of Distinct Detects	0	Number of Distinct Non-Detects	5

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!

Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!

The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable Value_mgkg (104-51-8) was not processed!

Value_mgkg (106-43-4)

General Statistics

Total Number of Observations	115	Number of Distinct Observations	4
Number of Detects	0	Number of Non-Detects	115
Number of Distinct Detects	0	Number of Distinct Non-Detects	4

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!

Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!

The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable Value_mgkg (106-43-4) was not processed!

Value_mgkg (106-46-7)

General Statistics			
Total Number of Observations	115	Number of Distinct Observations	5
Number of Detects	0	Number of Non-Detects	115
Number of Distinct Detects	0	Number of Distinct Non-Detects	5

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!

Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!

The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable Value_mgkg (106-46-7) was not processed!

Value_mgkg (106-93-4)

General Statistics			
Total Number of Observations	115	Number of Distinct Observations	5
Number of Detects	0	Number of Non-Detects	115
Number of Distinct Detects	0	Number of Distinct Non-Detects	5

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!

Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!

The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable Value_mgkg (106-93-4) was not processed!

Value_mgkg (107-06-2)

General Statistics			
Total Number of Observations	115	Number of Distinct Observations	5
Number of Detects	0	Number of Non-Detects	115
Number of Distinct Detects	0	Number of Distinct Non-Detects	5

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!

Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!

The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable Value_mgkg (107-06-2) was not processed!

Value_mgkg (108-05-4)

General Statistics			
Total Number of Observations	4	Number of Distinct Observations	4
Number of Detects	0	Number of Non-Detects	4

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!

Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!

The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable Value_mgkg (108-05-4) was not processed!

Value_mgkg (108-10-1)

General Statistics			
Total Number of Observations	4	Number of Distinct Observations	4
Number of Detects	0	Number of Non-Detects	4
Number of Distinct Detects	0	Number of Distinct Non-Detects	4

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!

Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!

The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable Value_mgkg (108-10-1) was not processed!

Value_mgkg (108-20-3)

General Statistics			
Total Number of Observations	115	Number of Distinct Observations	2
Number of Detects	0	Number of Non-Detects	115
Number of Distinct Detects	0	Number of Distinct Non-Detects	2

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!

Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!

The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable Value_mgkg (108-20-3) was not processed!

Value_mgkg (108-38-3)

General Statistics			
Total Number of Observations	115	Number of Distinct Observations	1
Number of Detects	0	Number of Non-Detects	115
Number of Distinct Detects	0	Number of Distinct Non-Detects	1

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!

Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!

The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable Value_mgkg (108-38-3) was not processed!

Value_mgkg (108-67-8)

General Statistics			
Total Number of Observations	115	Number of Distinct Observations	5
Number of Detects	0	Number of Non-Detects	115
Number of Distinct Detects	0	Number of Distinct Non-Detects	5

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!

Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!

The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable Value_mgkg (108-67-8) was not processed!

Value_mgkg (108-86-1)

General Statistics			
Total Number of Observations	116	Number of Distinct Observations	5
Number of Detects	0	Number of Non-Detects	116
Number of Distinct Detects	0	Number of Distinct Non-Detects	5

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!

Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!

The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable Value_mgkg (108-86-1) was not processed!

Value_mgkg (108-88-3)

General Statistics			
Total Number of Observations	119	Number of Distinct Observations	6
Number of Detects	1	Number of Non-Detects	118
Number of Distinct Detects	1	Number of Distinct Non-Detects	5

Warning: Only one distinct data value was detected! ProUCL (or any other software) should not be used on such a data set!

It is suggested to use alternative site specific values determined by the Project Team to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable Value_mgkg (108-88-3) was not processed!

Value_mgkg (108-90-7)

General Statistics			
Total Number of Observations	116	Number of Distinct Observations	4
Number of Detects	0	Number of Non-Detects	116
Number of Distinct Detects	0	Number of Distinct Non-Detects	4

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!

Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!

The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable Value_mgkg (108-90-7) was not processed!

Value_mgkg (120-82-1)

General Statistics			
Total Number of Observations	115	Number of Distinct Observations	5
Number of Detects	0	Number of Non-Detects	115
Number of Distinct Detects	0	Number of Distinct Non-Detects	5

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!

Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!

The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable Value_mgkg (120-82-1) was not processed!

Value_mgkg (124-48-1)

General Statistics			
Total Number of Observations	119	Number of Distinct Observations	5
Number of Detects	0	Number of Non-Detects	119
Number of Distinct Detects	0	Number of Distinct Non-Detects	5

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!

Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!

The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable Value_mgkg (124-48-1) was not processed!

Value_mgkg (127-18-4)

General Statistics			
Total Number of Observations	118	Number of Distinct Observations	70
Number of Detects	86	Number of Non-Detects	32
Number of Distinct Detects	70	Number of Distinct Non-Detects	1
Minimum Detect	4.7000E-4	Minimum Non-Detect	0.001
Maximum Detect	2.54	Maximum Non-Detect	0.001
Variance Detects	0.15	Percent Non-Detects	27.12%
Mean Detects	0.0897	SD Detects	0.387
Median Detects	0.0082	CV Detects	4.313
Skewness Detects	5.946	Kurtosis Detects	35.54
Mean of Logged Detects	-4.601	SD of Logged Detects	1.695

Normal GOF Test on Detects Only

Shapiro Wilk Test Statistic	0.238
5% Shapiro Wilk P Value	0
Lilliefors Test Statistic	0.439
5% Lilliefors Critical Value	0.0957

Normal GOF Test on Detected Observations Only

Detected Data Not Normal at 5% Significance Level

Lilliefors GOF Test

Detected Data Not Normal at 5% Significance Level

Detected Data Not Normal at 5% Significance Level**Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs**

KM Mean	0.0655	KM Standard Error of Mean	0.0306
KM SD	0.331	95% KM (BCA) UCL	0.123
95% KM (t) UCL	0.116	95% KM (Percentile Bootstrap) UCL	0.121
95% KM (z) UCL	0.116	95% KM Bootstrap t UCL	0.267
90% KM Chebyshev UCL	0.157	95% KM Chebyshev UCL	0.199
97.5% KM Chebyshev UCL	0.257	99% KM Chebyshev UCL	0.37

Gamma GOF Tests on Detected Observations Only

A-D Test Statistic	10.58	Anderson-Darling GOF Test
5% A-D Critical Value	0.864	Detected Data Not Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.296	Kolmogorov-Smirnov GOF
5% K-S Critical Value	0.105	Detected Data Not Gamma Distributed at 5% Significance Level

Detected Data Not Gamma Distributed at 5% Significance Level**Gamma Statistics on Detected Data Only**

k hat (MLE)	0.313	k star (bias corrected MLE)	0.31
Theta hat (MLE)	0.287	Theta star (bias corrected MLE)	0.29
nu hat (MLE)	53.8	nu star (bias corrected)	53.26
Mean (detects)	0.0897		

Gamma ROS Statistics using Imputed Non-Detects

GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs

GROS may not be used when kstar of detects is small such as <1.0, especially when the sample size is small (e.g., <15-20)

For such situations, GROS method may yield incorrect values of UCLs and BTVs

This is especially true when the sample size is small.

For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates

Minimum	4.7000E-4	Mean	0.0681
Maximum	2.54	Median	0.01
SD	0.331	CV	4.871
k hat (MLE)	0.351	k star (bias corrected MLE)	0.348
Theta hat (MLE)	0.194	Theta star (bias corrected MLE)	0.196
nu hat (MLE)	82.84	nu star (bias corrected)	82.07
Adjusted Level of Significance (β)	0.048		
Approximate Chi Square Value (82.07, α)	62.19	Adjusted Chi Square Value (82.07, β)	61.98
95% Gamma Approximate UCL (use when $n \geq 50$)	0.0898	95% Gamma Adjusted UCL (use when $n < 50$)	0.0901

Estimates of Gamma Parameters using KM Estimates

Mean (KM)	0.0655	SD (KM)	0.331
Variance (KM)	0.109	SE of Mean (KM)	0.0306
k hat (KM)	0.0392	k star (KM)	0.0439
nu hat (KM)	9.258	nu star (KM)	10.36
theta hat (KM)	1.669	theta star (KM)	1.492
80% gamma percentile (KM)	0.00539	90% gamma percentile (KM)	0.0829
95% gamma percentile (KM)	0.33	99% gamma percentile (KM)	1.497

Gamma Kaplan-Meier (KM) Statistics

Approximate Chi Square Value (10.36, α)	4.166	Adjusted Chi Square Value (10.36, β)	4.117
95% Gamma Approximate KM-UCL (use when $n \geq 50$)	0.163	95% Gamma Adjusted KM-UCL (use when $n < 50$)	0.165

Lognormal GOF Test on Detected Observations Only

Shapiro Wilk Approximate Test Statistic 0.927

Shapiro Wilk GOF Test

5% Shapiro Wilk P Value 5.8043E-5

Detected Data Not Lognormal at 5% Significance Level

Lilliefors Test Statistic 0.0896

Lilliefors GOF Test

5% Lilliefors Critical Value 0.0957

Detected Data appear Lognormal at 5% Significance Level

Detected Data appear Approximate Lognormal at 5% Significance Level

Lognormal ROS Statistics Using Imputed Non-Detects

Mean in Original Scale 0.0654

Mean in Log Scale -5.643

SD in Original Scale 0.332

SD in Log Scale 2.311

95% t UCL (assumes normality of ROS data) 0.116

95% Percentile Bootstrap UCL 0.121

95% BCA Bootstrap UCL 0.149

95% Bootstrap t UCL 0.252

95% H-UCL (Log ROS) 0.114

Statistics using KM estimates on Logged Data and Assuming Lognormal Distribution

KM Mean (logged) -5.431

KM Geo Mean 0.00438

KM SD (logged) 1.98

95% Critical H Value (KM-Log) 3.309

KM Standard Error of Mean (logged) 0.183

95% H-UCL (KM -Log) 0.057

KM SD (logged) 1.98

95% Critical H Value (KM-Log) 3.309

KM Standard Error of Mean (logged) 0.183

DL/2 Statistics

DL/2 Normal

Mean in Original Scale 0.0655

Mean in Log Scale -5.415

SD in Original Scale 0.332

SD in Log Scale 1.97

95% t UCL (Assumes normality) 0.116

95% H-Stat UCL 0.0565

DL/2 is not a recommended method, provided for comparisons and historical reasons

Nonparametric Distribution Free UCL Statistics

Detected Data appear Approximate Lognormal Distributed at 5% Significance Level

Suggested UCL to Use

KM H-UCL 0.057

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

Recommendations are based upon data size, data distribution, and skewness.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

Value_mgkg (135-98-8)

General Statistics

Total Number of Observations 119

Number of Distinct Observations 5

Number of Detects 0

Number of Non-Detects 119

Number of Distinct Detects 0

Number of Distinct Non-Detects 5

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!

Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!

The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable Value_mgkg (135-98-8) was not processed!

Value_mgkg (142-28-9)

General Statistics			
Total Number of Observations	115	Number of Distinct Observations	5
Number of Detects	0	Number of Non-Detects	115
Number of Distinct Detects	0	Number of Distinct Non-Detects	5

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!

Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!

The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable Value_mgkg (142-28-9) was not processed!

Value_mgkg (156-59-2)

General Statistics			
Total Number of Observations	116	Number of Distinct Observations	6
Number of Detects	1	Number of Non-Detects	115
Number of Distinct Detects	1	Number of Distinct Non-Detects	5

Warning: Only one distinct data value was detected! ProUCL (or any other software) should not be used on such a data set!

It is suggested to use alternative site specific values determined by the Project Team to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable Value_mgkg (156-59-2) was not processed!

Value_mgkg (156-60-5)

General Statistics			
Total Number of Observations	119	Number of Distinct Observations	6
Number of Detects	1	Number of Non-Detects	118
Number of Distinct Detects	1	Number of Distinct Non-Detects	5

Warning: Only one distinct data value was detected! ProUCL (or any other software) should not be used on such a data set!

It is suggested to use alternative site specific values determined by the Project Team to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable Value_mgkg (156-60-5) was not processed!

Value_mgkg (1634-04-4)

General Statistics			
Total Number of Observations	119	Number of Distinct Observations	6
Number of Detects	0	Number of Non-Detects	119
Number of Distinct Detects	0	Number of Distinct Non-Detects	6

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!

Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!
The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable Value_mgkg (1634-04-4) was not processed!

Value_mgkg (179601-23-1)

General Statistics			
Total Number of Observations	4	Number of Distinct Observations	4
Number of Detects	0	Number of Non-Detects	4
Number of Distinct Detects	0	Number of Distinct Non-Detects	4

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!

Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!
The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable Value_mgkg (179601-23-1) was not processed!

Value_mgkg (18540-29-9)

General Statistics			
Total Number of Observations	11	Number of Distinct Observations	4
Number of Detects	3	Number of Non-Detects	8
Number of Distinct Detects	3	Number of Distinct Non-Detects	1
Minimum Detect	0.96	Minimum Non-Detect	0.4
Maximum Detect	1.3	Maximum Non-Detect	0.4
Variance Detects	0.0292	Percent Non-Detects	72.73%
Mean Detects	1.12	SD Detects	0.171
Median Detects	1.1	CV Detects	0.153
Skewness Detects	0.519	Kurtosis Detects	N/A
Mean of Logged Detects	0.106	SD of Logged Detects	0.152

Warning: Data set has only 3 Detected Values.

This is not enough to compute meaningful or reliable statistics and estimates.

Normal GOF Test on Detects Only

Shapiro Wilk Test Statistic	0.99	Shapiro Wilk GOF Test
5% Shapiro Wilk Critical Value	0.767	Detected Data appear Normal at 5% Significance Level
Lilliefors Test Statistic	0.213	Lilliefors GOF Test
5% Lilliefors Critical Value	0.425	Detected Data appear Normal at 5% Significance Level
Detected Data appear Normal at 5% Significance Level		

Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs

KM Mean	0.596	KM Standard Error of Mean	0.121
KM SD	0.329	95% KM (BCA) UCL	N/A
95% KM (t) UCL	0.816	95% KM (Percentile Bootstrap) UCL	N/A
95% KM (z) UCL	0.796	95% KM Bootstrap t UCL	N/A
90% KM Chebyshev UCL	0.961	95% KM Chebyshev UCL	1.126

Gamma GOF Tests on Detected Observations Only**Not Enough Data to Perform GOF Test****Gamma Statistics on Detected Data Only**

k hat (MLE)	65.01	k star (bias corrected MLE)	N/A
Theta hat (MLE)	0.0172	Theta star (bias corrected MLE)	N/A
nu hat (MLE)	390	nu star (bias corrected)	N/A
Mean (detects)	1.12		

Gamma ROS Statistics using Imputed Non-Detects

GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs

GROS may not be used when kstar of detects is small such as <1.0, especially when the sample size is small (e.g., <15-20)

For such situations, GROS method may yield incorrect values of UCLs and BTVs

This is especially true when the sample size is small.

For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates

Minimum	0.01	Mean	0.588
Maximum	1.3	Median	0.546
SD	0.409	CV	0.696
k hat (MLE)	1.209	k star (bias corrected MLE)	0.94
Theta hat (MLE)	0.487	Theta star (bias corrected MLE)	0.626
nu hat (MLE)	26.6	nu star (bias corrected)	20.68
Adjusted Level of Significance (β)	0.0278		
Approximate Chi Square Value (20.68, α)	11.35	Adjusted Chi Square Value (20.68, β)	10.24
95% Gamma Approximate UCL (use when $n \geq 50$)	1.072	95% Gamma Adjusted UCL (use when $n < 50$)	N/A

Estimates of Gamma Parameters using KM Estimates

Mean (KM)	0.596	SD (KM)	0.329
Variance (KM)	0.108	SE of Mean (KM)	0.121
k hat (KM)	3.289	k star (KM)	2.453
nu hat (KM)	72.36	nu star (KM)	53.96
theta hat (KM)	0.181	theta star (KM)	0.243
80% gamma percentile (KM)	0.871	90% gamma percentile (KM)	1.106
95% gamma percentile (KM)	1.328	99% gamma percentile (KM)	1.814

Gamma Kaplan-Meier (KM) Statistics

Approximate Chi Square Value (53.96, α)	38.08	Adjusted Chi Square Value (53.96, β)	35.92
95% Gamma Approximate KM-UCL (use when $n \geq 50$)	0.845	95% Gamma Adjusted KM-UCL (use when $n < 50$)	0.896

Lognormal GOF Test on Detected Observations Only

Shapiro Wilk Test Statistic	0.997	Shapiro Wilk GOF Test
5% Shapiro Wilk Critical Value	0.767	Detected Data appear Lognormal at 5% Significance Level
Lilliefors Test Statistic	0.194	Lilliefors GOF Test
5% Lilliefors Critical Value	0.425	Detected Data appear Lognormal at 5% Significance Level

Detected Data appear Lognormal at 5% Significance Level**Lognormal ROS Statistics Using Imputed Non-Detects**

Mean in Original Scale	0.718	Mean in Log Scale	-0.406
SD in Original Scale	0.296	SD in Log Scale	0.406
95% t UCL (assumes normality of ROS data)	0.88	95% Percentile Bootstrap UCL	0.862

95% BCA Bootstrap UCL	0.867	95% Bootstrap t UCL	0.912
95% H-UCL (Log ROS)	0.942		

Statistics using KM estimates on Logged Data and Assuming Lognormal Distribution

KM Mean (logged)	-0.638	KM Geo Mean	0.529
KM SD (logged)	0.46	95% Critical H Value (KM-Log)	2.125
KM Standard Error of Mean (logged)	0.17	95% H-UCL (KM -Log)	0.8
KM SD (logged)	0.46	95% Critical H Value (KM-Log)	2.125
KM Standard Error of Mean (logged)	0.17		

DL/2 Statistics

DL/2 Normal

Mean in Original Scale	0.451
SD in Original Scale	0.436
95% t UCL (Assumes normality)	0.689

DL/2 Log-Transformed

Mean in Log Scale	-1.142
SD in Log Scale	0.804
95% H-Stat UCL	0.863

DL/2 is not a recommended method, provided for comparisons and historical reasons

Nonparametric Distribution Free UCL Statistics

Detected Data appear Normal Distributed at 5% Significance Level

Suggested UCL to Use

95% KM (t) UCL	0.816
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Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

Recommendations are based upon data size, data distribution, and skewness.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

Value_mgkg (541-73-1)

General Statistics

Total Number of Observations	115	Number of Distinct Observations	5
Number of Detects	0	Number of Non-Detects	115
Number of Distinct Detects	0	Number of Distinct Non-Detects	5

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!

Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!

The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable Value_mgkg (541-73-1) was not processed!

Value_mgkg (56-23-5)

General Statistics

Total Number of Observations	116	Number of Distinct Observations	5
Number of Detects	0	Number of Non-Detects	116
Number of Distinct Detects	0	Number of Distinct Non-Detects	5

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!

Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!

The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable Value_mgkg (56-23-5) was not processed!

Value_mgkg (563-58-6)

General Statistics			
Total Number of Observations	115	Number of Distinct Observations	5
Number of Detects	0	Number of Non-Detects	115
Number of Distinct Detects	0	Number of Distinct Non-Detects	5

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!

Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!

The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable Value_mgkg (563-58-6) was not processed!

Value_mgkg (591-78-6)

General Statistics			
Total Number of Observations	4	Number of Distinct Observations	4
Number of Detects	0	Number of Non-Detects	4
Number of Distinct Detects	0	Number of Distinct Non-Detects	4

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!

Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!

The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable Value_mgkg (591-78-6) was not processed!

Value_mgkg (594-20-7)

General Statistics			
Total Number of Observations	115	Number of Distinct Observations	5
Number of Detects	0	Number of Non-Detects	115
Number of Distinct Detects	0	Number of Distinct Non-Detects	5

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!

Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!

The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable Value_mgkg (594-20-7) was not processed!

Value_mgkg (630-20-6)

General Statistics			
Total Number of Observations	114	Number of Distinct Observations	5

Number of Detects	0	Number of Non-Detects	114
Number of Distinct Detects	0	Number of Distinct Non-Detects	5

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!
Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!
The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable Value_mgkg (630-20-6) was not processed!

Value_mgkg (637-92-3)

General Statistics			
Total Number of Observations	115	Number of Distinct Observations	2
Number of Detects	0	Number of Non-Detects	115
Number of Distinct Detects	0	Number of Distinct Non-Detects	2

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!
Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!
The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable Value_mgkg (637-92-3) was not processed!

Value_mgkg (67-64-1)

General Statistics			
Total Number of Observations	4	Number of Distinct Observations	4
Number of Detects	3	Number of Non-Detects	1
Number of Distinct Detects	3	Number of Distinct Non-Detects	1
Minimum Detect	0.0062	Minimum Non-Detect	0.3
Maximum Detect	0.027	Maximum Non-Detect	0.3
Variance Detects	1.3112E-4	Percent Non-Detects	25%
Mean Detects	0.0138	SD Detects	0.0115
Median Detects	0.0083	CV Detects	0.828
Skewness Detects	1.667	Kurtosis Detects	N/A
Mean of Logged Detects	-4.496	SD of Logged Detects	0.779

Warning: Data set has only 3 Detected Values.
This is not enough to compute meaningful or reliable statistics and estimates.

Note: Sample size is small (e.g., <10), if data are collected using ISM approach, you should use guidance provided in ITRC Tech Reg Guide on ISM (ITRC, 2012) to compute statistics of interest.

For example, you may want to use Chebyshev UCL to estimate EPC (ITRC, 2012).
Chebyshev UCL can be computed using the Nonparametric and All UCL Options of ProUCL 5.1

Normal GOF Test on Detects Only			
Shapiro Wilk Test Statistic	0.825	Shapiro Wilk GOF Test	
5% Shapiro Wilk Critical Value	0.767	Detected Data appear Normal at 5% Significance Level	
Lilliefors Test Statistic	0.352	Lilliefors GOF Test	

5% Lilliefors Critical Value 0.425

Detected Data appear Normal at 5% Significance Level

Detected Data appear Normal at 5% Significance Level

Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs

KM Mean	0.0138	KM Standard Error of Mean	0.00661
KM SD	0.00935	95% KM (BCA) UCL	N/A
95% KM (t) UCL	0.0294	95% KM (Percentile Bootstrap) UCL	N/A
95% KM (z) UCL	0.0247	95% KM Bootstrap t UCL	N/A
90% KM Chebyshev UCL	0.0337	95% KM Chebyshev UCL	0.0427
97.5% KM Chebyshev UCL	0.0551	99% KM Chebyshev UCL	0.0796

Gamma GOF Tests on Detected Observations Only

Not Enough Data to Perform GOF Test

Gamma Statistics on Detected Data Only

k hat (MLE)	2.481	k star (bias corrected MLE)	N/A
Theta hat (MLE)	0.00558	Theta star (bias corrected MLE)	N/A
nu hat (MLE)	14.89	nu star (bias corrected)	N/A
Mean (detects)	0.0138		

Gamma ROS Statistics using Imputed Non-Detects

GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs

GROS may not be used when kstar of detects is small such as <1.0, especially when the sample size is small (e.g., <15-20)

For such situations, GROS method may yield incorrect values of UCLs and BTVs

This is especially true when the sample size is small.

For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates

Minimum	0.0062	Mean	0.0136
Maximum	0.027	Median	0.0105
SD	0.00937	CV	0.691
k hat (MLE)	3.248	k star (bias corrected MLE)	0.979
Theta hat (MLE)	0.00418	Theta star (bias corrected MLE)	0.0139
nu hat (MLE)	25.98	nu star (bias corrected)	7.829
Adjusted Level of Significance (β)	0.00498		
Approximate Chi Square Value (7.83, α)	2.637	Adjusted Chi Square Value (7.83, β)	N/A
95% Gamma Approximate UCL (use when $n \geq 50$)	0.0403	95% Gamma Adjusted UCL (use when $n < 50$)	N/A

Estimates of Gamma Parameters using KM Estimates

Mean (KM)	0.0138	SD (KM)	0.00935
Variance (KM)	8.7416E-5	SE of Mean (KM)	0.00661
k hat (KM)	2.189	k star (KM)	0.714
nu hat (KM)	17.51	nu star (KM)	5.712
theta hat (KM)	0.00632	theta star (KM)	0.0194
80% gamma percentile (KM)	0.0227	90% gamma percentile (KM)	0.0346
95% gamma percentile (KM)	0.0468	99% gamma percentile (KM)	0.0758

Gamma Kaplan-Meier (KM) Statistics

Approximate Chi Square Value (5.71, α)	1.494	Adjusted Chi Square Value (5.71, β)	0.606
95% Gamma Approximate KM-UCL (use when $n \geq 50$)	0.0529	95% Gamma Adjusted KM-UCL (use when $n < 50$)	0.13

Lognormal GOF Test on Detected Observations Only

Shapiro Wilk Test Statistic 0.892

Shapiro Wilk GOF Test

5% Shapiro Wilk Critical Value 0.767 Detected Data appear Lognormal at 5% Significance Level

Lilliefors Test Statistic 0.315 **Lilliefors GOF Test**

5% Lilliefors Critical Value 0.425 Detected Data appear Lognormal at 5% Significance Level

Detected Data appear Lognormal at 5% Significance Level

Lognormal ROS Statistics Using Imputed Non-Detects

Mean in Original Scale	0.0132	Mean in Log Scale	-4.496
SD in Original Scale	0.00944	SD in Log Scale	0.636
95% t UCL (assumes normality of ROS data)	0.0243	95% Percentile Bootstrap UCL	N/A
95% BCA Bootstrap UCL	N/A	95% Bootstrap t UCL	N/A
95% H-UCL (Log ROS)	0.0692		

Statistics using KM estimates on Logged Data and Assuming Lognormal Distribution

KM Mean (logged)	-4.496	KM Geo Mean	0.0112
KM SD (logged)	0.636	95% Critical H Value (KM-Log)	4.418
KM Standard Error of Mean (logged)	0.45	95% H-UCL (KM -Log)	0.0692
KM SD (logged)	0.636	95% Critical H Value (KM-Log)	4.418
KM Standard Error of Mean (logged)	0.45		

DL/2 Statistics

DL/2 Normal

Mean in Original Scale	0.0479
SD in Original Scale	0.0687
95% t UCL (Assumes normality)	0.129

DL/2 Log-Transformed

Mean in Log Scale	-3.846
SD in Log Scale	1.447
95% H-Stat UCL	173.9

DL/2 is not a recommended method, provided for comparisons and historical reasons

Nonparametric Distribution Free UCL Statistics

Detected Data appear Normal Distributed at 5% Significance Level

Suggested UCL to Use

95% KM (t) UCL 0.0294

Warning: Recommended UCL exceeds the maximum observation

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

Recommendations are based upon data size, data distribution, and skewness.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

Value_mgkg (67-66-3)

General Statistics

Total Number of Observations	116	Number of Distinct Observations	5
Number of Detects	0	Number of Non-Detects	116
Number of Distinct Detects	0	Number of Distinct Non-Detects	5

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!

Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!

The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable Value_mgkg (67-66-3) was not processed!

General Statistics

Total Number of Observations	116	Number of Distinct Observations	8
Number of Detects	5	Number of Non-Detects	111
Number of Distinct Detects	5	Number of Distinct Non-Detects	3
Minimum Detect	1.7000E-4	Minimum Non-Detect	9.5000E-5
Maximum Detect	0.0043	Maximum Non-Detect	0.0063
Variance Detects	3.2308E-6	Percent Non-Detects	95.69%
Mean Detects	0.00187	SD Detects	0.0018
Median Detects	0.0017	CV Detects	0.96
Skewness Detects	0.434	Kurtosis Detects	-1.681
Mean of Logged Detects	-6.977	SD of Logged Detects	1.54

Normal GOF Test on Detects Only

Shapiro Wilk Test Statistic	0.907	Shapiro Wilk GOF Test
5% Shapiro Wilk Critical Value	0.762	Detected Data appear Normal at 5% Significance Level
Lilliefors Test Statistic	0.225	Lilliefors GOF Test
5% Lilliefors Critical Value	0.343	Detected Data appear Normal at 5% Significance Level

Detected Data appear Normal at 5% Significance Level**Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs**

KM Mean	2.2597E-4	KM Standard Error of Mean	5.6752E-5
KM SD	4.8697E-4	95% KM (BCA) UCL	0.00105
95% KM (t) UCL	3.2008E-4	95% KM (Percentile Bootstrap) UCL	0.00101
95% KM (z) UCL	3.1932E-4	95% KM Bootstrap t UCL	3.0383E-4
90% KM Chebyshev UCL	3.9623E-4	95% KM Chebyshev UCL	4.7335E-4
97.5% KM Chebyshev UCL	5.8039E-4	99% KM Chebyshev UCL	7.9065E-4

Gamma GOF Tests on Detected Observations Only

A-D Test Statistic	0.44	Anderson-Darling GOF Test
5% A-D Critical Value	0.696	Detected data appear Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.273	Kolmogorov-Smirnov GOF
5% K-S Critical Value	0.366	Detected data appear Gamma Distributed at 5% Significance Level

Detected data appear Gamma Distributed at 5% Significance Level**Gamma Statistics on Detected Data Only**

k hat (MLE)	0.847	k star (bias corrected MLE)	0.472
Theta hat (MLE)	0.00221	Theta star (bias corrected MLE)	0.00397
nu hat (MLE)	8.465	nu star (bias corrected)	4.719
Mean (detects)	0.00187		

Gamma ROS Statistics using Imputed Non-Detects

GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs

GROS may not be used when kstar of detects is small such as <1.0, especially when the sample size is small (e.g., <15-20)

For such situations, GROS method may yield incorrect values of UCLs and BTVs

This is especially true when the sample size is small.

For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates

Minimum	1.7000E-4	Mean	0.00965
Maximum	0.01	Median	0.01

SD	0.00169	CV	0.175
k hat (MLE)	7.675	k star (bias corrected MLE)	7.482
Theta hat (MLE)	0.00126	Theta star (bias corrected MLE)	0.00129
nu hat (MLE)	1781	nu star (bias corrected)	1736
Adjusted Level of Significance (β)	0.0479		
Approximate Chi Square Value (N/A, α)	1640	Adjusted Chi Square Value (N/A, β)	1639
95% Gamma Approximate UCL (use when $n \geq 50$)	0.0102	95% Gamma Adjusted UCL (use when $n < 50$)	0.0102

Estimates of Gamma Parameters using KM Estimates

Mean (KM)	2.2597E-4	SD (KM)	4.8697E-4
Variance (KM)	2.3714E-7	SE of Mean (KM)	5.6752E-5
k hat (KM)	0.215	k star (KM)	0.216
nu hat (KM)	49.96	nu star (KM)	50
theta hat (KM)	0.00105	theta star (KM)	0.00105
80% gamma percentile (KM)	3.0893E-4	90% gamma percentile (KM)	6.8303E-4
95% gamma percentile (KM)	0.00114	99% gamma percentile (KM)	0.00239

Gamma Kaplan-Meier (KM) Statistics

Approximate Chi Square Value (50.00, α)	34.76	Adjusted Chi Square Value (50.00, β)	34.6
95% Gamma Approximate KM-UCL (use when $n \geq 50$)	3.2501E-4	95% Gamma Adjusted KM-UCL (use when $n < 50$)	3.2651E-4

Lognormal GOF Test on Detected Observations Only

Shapiro Wilk Test Statistic	0.834	Shapiro Wilk GOF Test	
5% Shapiro Wilk Critical Value	0.762	Detected Data appear Lognormal at 5% Significance Level	
Lilliefors Test Statistic	0.251	Lilliefors GOF Test	
5% Lilliefors Critical Value	0.343	Detected Data appear Lognormal at 5% Significance Level	
Detected Data appear Lognormal at 5% Significance Level			

Lognormal ROS Statistics Using Imputed Non-Detects

Mean in Original Scale	2.7493E-4	Mean in Log Scale	-9.155
SD in Original Scale	5.4472E-4	SD in Log Scale	1.392
95% t UCL (assumes normality of ROS data)	3.5879E-4	95% Percentile Bootstrap UCL	3.6700E-4
95% BCA Bootstrap UCL	3.9952E-4	95% Bootstrap t UCL	4.1333E-4
95% H-UCL (Log ROS)	3.9145E-4		

Statistics using KM estimates on Logged Data and Assuming Lognormal Distribution

KM Mean (logged)	-8.759	KM Geo Mean	1.5697E-4
KM SD (logged)	0.562	95% Critical H Value (KM-Log)	1.874
KM Standard Error of Mean (logged)	0.197	95% H-UCL (KM -Log)	2.0283E-4
KM SD (logged)	0.562	95% Critical H Value (KM-Log)	1.874
KM Standard Error of Mean (logged)	0.197		

DL/2 Statistics

DL/2 Normal		DL/2 Log-Transformed	
Mean in Original Scale	5.7808E-4	Mean in Log Scale	-7.578
SD in Original Scale	5.0091E-4	SD in Log Scale	0.42
95% t UCL (Assumes normality)	6.5520E-4	95% H-Stat UCL	5.9921E-4

DL/2 is not a recommended method, provided for comparisons and historical reasons

Nonparametric Distribution Free UCL Statistics

Detected Data appear Normal Distributed at 5% Significance Level

Suggested UCL to Use

95% KM (t) UCL 3.2008E-4

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

Recommendations are based upon data size, data distribution, and skewness.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

Value_mgkg (71-55-6)

General Statistics

Total Number of Observations	114	Number of Distinct Observations	7
Number of Detects	2	Number of Non-Detects	112
Number of Distinct Detects	2	Number of Distinct Non-Detects	5
Minimum Detect	0.0041	Minimum Non-Detect	1.6000E-4
Maximum Detect	0.0209	Maximum Non-Detect	0.011
Variance Detects	1.4112E-4	Percent Non-Detects	98.25%
Mean Detects	0.0125	SD Detects	0.0119
Median Detects	0.0125	CV Detects	0.95
Skewness Detects	N/A	Kurtosis Detects	N/A
Mean of Logged Detects	-4.682	SD of Logged Detects	1.152

Warning: Data set has only 2 Detected Values.

This is not enough to compute meaningful or reliable statistics and estimates.

Normal GOF Test on Detects Only

Not Enough Data to Perform GOF Test

Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs

KM Mean	3.7680E-4	KM Standard Error of Mean	2.6039E-4
KM SD	0.00197	95% KM (BCA) UCL	N/A
95% KM (t) UCL	8.0865E-4	95% KM (Percentile Bootstrap) UCL	N/A
95% KM (z) UCL	8.0511E-4	95% KM Bootstrap t UCL	N/A
90% KM Chebyshev UCL	0.00116	95% KM Chebyshev UCL	0.00151
97.5% KM Chebyshev UCL	0.002	99% KM Chebyshev UCL	0.00297

Gamma GOF Tests on Detected Observations Only

Not Enough Data to Perform GOF Test

Gamma Statistics on Detected Data Only

k hat (MLE)	1.814	k star (bias corrected MLE)	N/A
Theta hat (MLE)	0.00689	Theta star (bias corrected MLE)	N/A
nu hat (MLE)	7.254	nu star (bias corrected)	N/A
Mean (detects)	0.0125		

Estimates of Gamma Parameters using KM Estimates

Mean (KM)	3.7680E-4	SD (KM)	0.00197
Variance (KM)	3.8636E-6	SE of Mean (KM)	2.6039E-4
k hat (KM)	0.0367	k star (KM)	0.0416

nu hat (KM)	8.378	nu star (KM)	9.491
theta hat (KM)	0.0103	theta star (KM)	0.00905
80% gamma percentile (KM)	2.4762E-5	90% gamma percentile (KM)	4.3790E-4
95% gamma percentile (KM)	0.00185	99% gamma percentile (KM)	0.00878

Gamma Kaplan-Meier (KM) Statistics

Approximate Chi Square Value (9.49, α)	3.626	Adjusted Level of Significance (β)	0.0479
95% Gamma Approximate KM-UCL (use when $n \geq 50$)	9.8620E-4	Adjusted Chi Square Value (9.49, β)	3.58
		95% Gamma Adjusted KM-UCL (use when $n < 50$)	9.9896E-4

Lognormal GOF Test on Detected Observations Only

Not Enough Data to Perform GOF Test

Lognormal ROS Statistics Using Imputed Non-Detects

Mean in Original Scale	2.5606E-4	Mean in Log Scale	-14.51
SD in Original Scale	0.00199	SD in Log Scale	3.903
95% t UCL (assumes normality of ROS data)	5.6563E-4	95% Percentile Bootstrap UCL	6.1886E-4
95% BCA Bootstrap UCL	9.6259E-4	95% Bootstrap t UCL	0.00376
95% H-UCL (Log ROS)	0.00862		

Statistics using KM estimates on Logged Data and Assuming Lognormal Distribution

KM Mean (logged)	-8.669	KM Geo Mean	1.7185E-4
KM SD (logged)	0.544	95% Critical H Value (KM-Log)	1.862
KM Standard Error of Mean (logged)	0.0722	95% H-UCL (KM -Log)	2.1922E-4
KM SD (logged)	0.544	95% Critical H Value (KM-Log)	1.862
KM Standard Error of Mean (logged)	0.0722		

DL/2 Statistics

DL/2 Normal

Mean in Original Scale	7.4390E-4
SD in Original Scale	0.00199
95% t UCL (Assumes normality)	0.00105

DL/2 Log-Transformed

Mean in Log Scale	-7.571
SD in Log Scale	0.531
95% H-Stat UCL	6.5061E-4

DL/2 is not a recommended method, provided for comparisons and historical reasons

Nonparametric Distribution Free UCL Statistics

Data do not follow a Discernible Distribution at 5% Significance Level

Suggested UCL to Use

95% KM (Chebyshev) UCL	0.00151
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Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

Recommendations are based upon data size, data distribution, and skewness.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

Value_mgkg (7439-92-1)

General Statistics

Total Number of Observations	113	Number of Distinct Observations	64
Number of Detects	110	Number of Non-Detects	3
Number of Distinct Detects	63	Number of Distinct Non-Detects	1

Minimum Detect	0.6	Minimum Non-Detect	0.5
Maximum Detect	1110	Maximum Non-Detect	0.5
Variance Detects	11355	Percent Non-Detects	2.655%
Mean Detects	17.88	SD Detects	106.6
Median Detects	3.1	CV Detects	5.961
Skewness Detects	10.07	Kurtosis Detects	103.9
Mean of Logged Detects	1.317	SD of Logged Detects	1.147

Normal GOF Test on Detects Only

Shapiro Wilk Test Statistic	0.156
5% Shapiro Wilk P Value	0
Lilliefors Test Statistic	0.436
5% Lilliefors Critical Value	0.0848

Normal GOF Test on Detected Observations Only

Detected Data Not Normal at 5% Significance Level

Lilliefors GOF Test

Detected Data Not Normal at 5% Significance Level

Detected Data Not Normal at 5% Significance Level

Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs

KM Mean	17.41	KM Standard Error of Mean	9.894
KM SD	104.7	95% KM (BCA) UCL	38.17
95% KM (t) UCL	33.82	95% KM (Percentile Bootstrap) UCL	36.63
95% KM (z) UCL	33.69	95% KM Bootstrap t UCL	114
90% KM Chebyshev UCL	47.09	95% KM Chebyshev UCL	60.54
97.5% KM Chebyshev UCL	79.2	99% KM Chebyshev UCL	115.9

Gamma GOF Tests on Detected Observations Only

A-D Test Statistic	19.37
5% A-D Critical Value	0.839
K-S Test Statistic	0.356
5% K-S Critical Value	0.0929

Anderson-Darling GOF Test

Detected Data Not Gamma Distributed at 5% Significance Level

Kolmogorov-Smirnov GOF

Detected Data Not Gamma Distributed at 5% Significance Level

Detected Data Not Gamma Distributed at 5% Significance Level

Gamma Statistics on Detected Data Only

k hat (MLE)	0.417	k star (bias corrected MLE)	0.412
Theta hat (MLE)	42.83	Theta star (bias corrected MLE)	43.38
nu hat (MLE)	91.82	nu star (bias corrected)	90.64
Mean (detects)	17.88		

Gamma ROS Statistics using Imputed Non-Detects

GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs

GROS may not be used when kstar of detects is small such as <1.0, especially when the sample size is small (e.g., <15-20)

For such situations, GROS method may yield incorrect values of UCLs and BTVs

This is especially true when the sample size is small.

For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates

Minimum	0.01	Mean	17.4
Maximum	1110	Median	3.1
SD	105.2	CV	6.043
k hat (MLE)	0.39	k star (bias corrected MLE)	0.385
Theta hat (MLE)	44.67	Theta star (bias corrected MLE)	45.18
nu hat (MLE)	88.04	nu star (bias corrected)	87.04
Adjusted Level of Significance (β)	0.0479		
Approximate Chi Square Value (87.04, α)	66.53	Adjusted Chi Square Value (87.04, β)	66.3
95% Gamma Approximate UCL (use when $n \geq 50$)	22.76	95% Gamma Adjusted UCL (use when $n < 50$)	22.84

Estimates of Gamma Parameters using KM Estimates

Mean (KM)	17.41	SD (KM)	104.7
Variance (KM)	10960	SE of Mean (KM)	9.894
k hat (KM)	0.0277	k star (KM)	0.0328
nu hat (KM)	6.253	nu star (KM)	7.42
theta hat (KM)	629.4	theta star (KM)	530.4
80% gamma percentile (KM)	0.342	90% gamma percentile (KM)	12.64
95% gamma percentile (KM)	72.94	99% gamma percentile (KM)	438.4

Gamma Kaplan-Meier (KM) Statistics

Approximate Chi Square Value (7.42, α)	2.404	Adjusted Chi Square Value (7.42, β)	2.367
95% Gamma Approximate KM-UCL (use when $n \geq 50$)	53.75	95% Gamma Adjusted KM-UCL (use when $n < 50$)	54.58

Lognormal GOF Test on Detected Observations Only

Shapiro Wilk Approximate Test Statistic	0.849	Shapiro Wilk GOF Test
5% Shapiro Wilk P Value	0	Detected Data Not Lognormal at 5% Significance Level
Lilliefors Test Statistic	0.177	Lilliefors GOF Test
5% Lilliefors Critical Value	0.0848	Detected Data Not Lognormal at 5% Significance Level

Detected Data Not Lognormal at 5% Significance Level**Lognormal ROS Statistics Using Imputed Non-Detects**

Mean in Original Scale	17.41	Mean in Log Scale	1.247
SD in Original Scale	105.2	SD in Log Scale	1.211
95% t UCL (assumes normality of ROS data)	33.82	95% Percentile Bootstrap UCL	36.93
95% BCA Bootstrap UCL	56.76	95% Bootstrap t UCL	112
95% H-UCL (Log ROS)	9.552		

Statistics using KM estimates on Logged Data and Assuming Lognormal Distribution

KM Mean (logged)	1.264	KM Geo Mean	3.54
KM SD (logged)	1.172	95% Critical H Value (KM-Log)	2.382
KM Standard Error of Mean (logged)	0.111	95% H-UCL (KM -Log)	9.156
KM SD (logged)	1.172	95% Critical H Value (KM-Log)	2.382
KM Standard Error of Mean (logged)	0.111		

DL/2 Statistics**DL/2 Normal**

Mean in Original Scale	17.41
SD in Original Scale	105.2
95% t UCL (Assumes normality)	33.81

DL/2 Log-Transformed

Mean in Log Scale	1.246
SD in Log Scale	1.213
95% H-Stat UCL	9.571

DL/2 is not a recommended method, provided for comparisons and historical reasons

Nonparametric Distribution Free UCL Statistics

Data do not follow a Discernible Distribution at 5% Significance Level

Suggested UCL to Use

95% KM (Chebyshev) UCL	60.54
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Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

Recommendations are based upon data size, data distribution, and skewness.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

Value_mgkg (7439-97-6)

General Statistics

Total Number of Observations	112	Number of Distinct Observations	22
Number of Detects	28	Number of Non-Detects	84
Number of Distinct Detects	21	Number of Distinct Non-Detects	2
Minimum Detect	0.02	Minimum Non-Detect	0.02
Maximum Detect	0.062	Maximum Non-Detect	0.0835
Variance Detects	1.3415E-4	Percent Non-Detects	75%
Mean Detects	0.0352	SD Detects	0.0116
Median Detects	0.034	CV Detects	0.329
Skewness Detects	0.721	Kurtosis Detects	-0.236
Mean of Logged Detects	-3.397	SD of Logged Detects	0.321

Normal GOF Test on Detects Only

Shapiro Wilk Test Statistic	0.93	Shapiro Wilk GOF Test
5% Shapiro Wilk Critical Value	0.924	Detected Data appear Normal at 5% Significance Level
Lilliefors Test Statistic	0.137	Lilliefors GOF Test
5% Lilliefors Critical Value	0.164	Detected Data appear Normal at 5% Significance Level

Detected Data appear Normal at 5% Significance Level

Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs

KM Mean	0.0239	KM Standard Error of Mean	8.5708E-4
KM SD	0.00879	95% KM (BCA) UCL	0.0254
95% KM (t) UCL	0.0253	95% KM (Percentile Bootstrap) UCL	0.0253
95% KM (z) UCL	0.0253	95% KM Bootstrap t UCL	0.0256
90% KM Chebyshev UCL	0.0265	95% KM Chebyshev UCL	0.0276
97.5% KM Chebyshev UCL	0.0293	99% KM Chebyshev UCL	0.0324

Gamma GOF Tests on Detected Observations Only

A-D Test Statistic	0.38	Anderson-Darling GOF Test
5% A-D Critical Value	0.745	Detected data appear Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.115	Kolmogorov-Smirnov GOF
5% K-S Critical Value	0.165	Detected data appear Gamma Distributed at 5% Significance Level

Detected data appear Gamma Distributed at 5% Significance Level

Gamma Statistics on Detected Data Only

k hat (MLE)	10.13	k star (bias corrected MLE)	9.069
Theta hat (MLE)	0.00347	Theta star (bias corrected MLE)	0.00388
nu hat (MLE)	567.3	nu star (bias corrected)	507.9
Mean (detects)	0.0352		

Gamma ROS Statistics using Imputed Non-Detects

GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs
 GROS may not be used when kstar of detects is small such as <1.0, especially when the sample size is small (e.g., <15-20)
 For such situations, GROS method may yield incorrect values of UCLs and BTVs
 This is especially true when the sample size is small.
 For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates

Minimum	0.01	Mean	0.0173
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Maximum	0.062	Median	0.01
SD	0.0121	CV	0.697
k hat (MLE)	3.107	k star (bias corrected MLE)	3.029
Theta hat (MLE)	0.00558	Theta star (bias corrected MLE)	0.00572
nu hat (MLE)	695.9	nu star (bias corrected)	678.6
Adjusted Level of Significance (β)	0.0479		
Approximate Chi Square Value (678.61, α)	619.2	Adjusted Chi Square Value (678.61, β)	618.4
95% Gamma Approximate UCL (use when $n \geq 50$)	0.019	95% Gamma Adjusted UCL (use when $n < 50$)	0.019

Estimates of Gamma Parameters using KM Estimates

Mean (KM)	0.0239	SD (KM)	0.00879
Variance (KM)	7.7210E-5	SE of Mean (KM)	8.5708E-4
k hat (KM)	7.398	k star (KM)	7.205
nu hat (KM)	1657	nu star (KM)	1614
theta hat (KM)	0.00323	theta star (KM)	0.00332
80% gamma percentile (KM)	0.0309	90% gamma percentile (KM)	0.0358
95% gamma percentile (KM)	0.0402	99% gamma percentile (KM)	0.0493

Gamma Kaplan-Meier (KM) Statistics

Approximate Chi Square Value (N/A, α)	1522	Adjusted Chi Square Value (N/A, β)	1521
95% Gamma Approximate KM-UCL (use when $n \geq 50$)	0.0253	95% Gamma Adjusted KM-UCL (use when $n < 50$)	0.0254

Lognormal GOF Test on Detected Observations Only

Shapiro Wilk Test Statistic	0.96	Shapiro Wilk GOF Test
5% Shapiro Wilk Critical Value	0.924	Detected Data appear Lognormal at 5% Significance Level
Lilliefors Test Statistic	0.105	Lilliefors GOF Test
5% Lilliefors Critical Value	0.164	Detected Data appear Lognormal at 5% Significance Level

Detected Data appear Lognormal at 5% Significance Level

Lognormal ROS Statistics Using Imputed Non-Detects

Mean in Original Scale	0.0176	Mean in Log Scale	-4.26
SD in Original Scale	0.0125	SD in Log Scale	0.675
95% t UCL (assumes normality of ROS data)	0.0196	95% Percentile Bootstrap UCL	0.0196
95% BCA Bootstrap UCL	0.0198	95% Bootstrap t UCL	0.0199
95% H-UCL (Log ROS)	0.0201		

Statistics using KM estimates on Logged Data and Assuming Lognormal Distribution

KM Mean (logged)	-3.78	KM Geo Mean	0.0228
KM SD (logged)	0.276	95% Critical H Value (KM-Log)	1.726
KM Standard Error of Mean (logged)	0.0269	95% H-UCL (KM -Log)	0.0248
KM SD (logged)	0.276	95% Critical H Value (KM-Log)	1.726
KM Standard Error of Mean (logged)	0.0269		

DL/2 Statistics

DL/2 Normal

Mean in Original Scale	0.0171
SD in Original Scale	0.013
95% t UCL (Assumes normality)	0.0192

DL/2 Log-Transformed

Mean in Log Scale	-4.265
SD in Log Scale	0.576
95% H-Stat UCL	0.0184

DL/2 is not a recommended method, provided for comparisons and historical reasons

Nonparametric Distribution Free UCL Statistics

Detected Data appear Normal Distributed at 5% Significance Level**Suggested UCL to Use**

95% KM (t) UCL 0.0253

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

Recommendations are based upon data size, data distribution, and skewness.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

Value_mgkg (7439-98-7)**General Statistics**

Total Number of Observations	113	Number of Distinct Observations	4
Number of Detects	2	Number of Non-Detects	111
Number of Distinct Detects	2	Number of Distinct Non-Detects	2
Minimum Detect	2.2	Minimum Non-Detect	0.25
Maximum Detect	2.7	Maximum Non-Detect	0.5
Variance Detects	0.125	Percent Non-Detects	98.23%
Mean Detects	2.45	SD Detects	0.354
Median Detects	2.45	CV Detects	0.144
Skewness Detects	N/A	Kurtosis Detects	N/A
Mean of Logged Detects	0.891	SD of Logged Detects	0.145

Warning: Data set has only 2 Detected Values.

This is not enough to compute meaningful or reliable statistics and estimates.

Normal GOF Test on Detects Only

Not Enough Data to Perform GOF Test

Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs

KM Mean	0.289	KM Standard Error of Mean	0.0388
KM SD	0.292	95% KM (BCA) UCL	N/A
95% KM (t) UCL	0.353	95% KM (Percentile Bootstrap) UCL	N/A
95% KM (z) UCL	0.353	95% KM Bootstrap t UCL	N/A
90% KM Chebyshev UCL	0.405	95% KM Chebyshev UCL	0.458
97.5% KM Chebyshev UCL	0.532	99% KM Chebyshev UCL	0.675

Gamma GOF Tests on Detected Observations Only

Not Enough Data to Perform GOF Test

Gamma Statistics on Detected Data Only

k hat (MLE)	95.71	k star (bias corrected MLE)	N/A
Theta hat (MLE)	0.0256	Theta star (bias corrected MLE)	N/A
nu hat (MLE)	382.8	nu star (bias corrected)	N/A
Mean (detects)	2.45		

Estimates of Gamma Parameters using KM Estimates

Mean (KM)	0.289	SD (KM)	0.292
Variance (KM)	0.0853	SE of Mean (KM)	0.0388

k hat (KM)	0.979	k star (KM)	0.959
nu hat (KM)	221.3	nu star (KM)	216.8
theta hat (KM)	0.295	theta star (KM)	0.301
80% gamma percentile (KM)	0.467	90% gamma percentile (KM)	0.672
95% gamma percentile (KM)	0.878	99% gamma percentile (KM)	1.359

Gamma Kaplan-Meier (KM) Statistics

		Adjusted Level of Significance (β)	0.0479
Approximate Chi Square Value (216.77, α)	183.7	Adjusted Chi Square Value (216.77, β)	183.3
95% Gamma Approximate KM-UCL (use when $n \geq 50$)	0.341	95% Gamma Adjusted KM-UCL (use when $n < 50$)	0.342

Lognormal GOF Test on Detected Observations Only

Not Enough Data to Perform GOF Test

Lognormal ROS Statistics Using Imputed Non-Detects

Mean in Original Scale	0.481	Mean in Log Scale	-1.031
SD in Original Scale	0.423	SD in Log Scale	0.778
95% t UCL (assumes normality of ROS data)	0.547	95% Percentile Bootstrap UCL	0.549
95% BCA Bootstrap UCL	0.559	95% Bootstrap t UCL	0.562
95% H-UCL (Log ROS)	0.56		

Statistics using KM estimates on Logged Data and Assuming Lognormal Distribution

KM Mean (logged)	-1.346	KM Geo Mean	0.26
KM SD (logged)	0.301	95% Critical H Value (KM-Log)	1.737
KM Standard Error of Mean (logged)	0.04	95% H-UCL (KM -Log)	0.286
KM SD (logged)	0.301	95% Critical H Value (KM-Log)	1.737
KM Standard Error of Mean (logged)	0.04		

DL/2 Statistics

DL/2 Normal		DL/2 Log-Transformed	
Mean in Original Scale	0.286	Mean in Log Scale	-1.364
SD in Original Scale	0.294	SD in Log Scale	0.324
95% t UCL (Assumes normality)	0.332	95% H-Stat UCL	0.284

DL/2 is not a recommended method, provided for comparisons and historical reasons

Nonparametric Distribution Free UCL Statistics

Data do not follow a Discernible Distribution at 5% Significance Level

Suggested UCL to Use

95% KM (t) UCL	0.353	KM H-UCL	0.286
95% KM (BCA) UCL	N/A		

Warning: One or more Recommended UCL(s) not available!

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

Recommendations are based upon data size, data distribution, and skewness.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

General Statistics

Total Number of Observations	113	Number of Distinct Observations	95
		Number of Missing Observations	0
Minimum	2.3	Mean	18.24
Maximum	47.1	Median	18.4
SD	6.588	Std. Error of Mean	0.62
Coefficient of Variation	0.361	Skewness	0.414

Normal GOF Test

Shapiro Wilk Test Statistic	0.975	Shapiro Wilk GOF Test
5% Shapiro Wilk P Value	0.241	Data appear Normal at 5% Significance Level
Lilliefors Test Statistic	0.0576	Lilliefors GOF Test
5% Lilliefors Critical Value	0.0837	Data appear Normal at 5% Significance Level

Data appear Normal at 5% Significance Level

Assuming Normal Distribution

95% Normal UCL

95% Student's-t UCL 19.27

95% UCLs (Adjusted for Skewness)

95% Adjusted-CLT UCL (Chen-1995) 19.29

95% Modified-t UCL (Johnson-1978) 19.28

Gamma GOF Test

A-D Test Statistic	1.987	Anderson-Darling Gamma GOF Test
5% A-D Critical Value	0.754	Data Not Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.101	Kolmogorov-Smirnov Gamma GOF Test
5% K-S Critical Value	0.0862	Data Not Gamma Distributed at 5% Significance Level

Data Not Gamma Distributed at 5% Significance Level

Gamma Statistics

k hat (MLE)	6.096	k star (bias corrected MLE)	5.94
Theta hat (MLE)	2.993	Theta star (bias corrected MLE)	3.071
nu hat (MLE)	1378	nu star (bias corrected)	1342
MLE Mean (bias corrected)	18.24	MLE Sd (bias corrected)	7.485
		Approximate Chi Square Value (0.05)	1258
Adjusted Level of Significance	0.0479	Adjusted Chi Square Value	1257

Assuming Gamma Distribution

95% Approximate Gamma UCL (use when $n \geq 50$) 19.46

95% Adjusted Gamma UCL (use when $n < 50$) 19.48

Lognormal GOF Test

Shapiro Wilk Test Statistic	0.861	Shapiro Wilk Lognormal GOF Test
5% Shapiro Wilk P Value	4.441E-16	Data Not Lognormal at 5% Significance Level
Lilliefors Test Statistic	0.129	Lilliefors Lognormal GOF Test
5% Lilliefors Critical Value	0.0837	Data Not Lognormal at 5% Significance Level

Data Not Lognormal at 5% Significance Level

Lognormal Statistics

Minimum of Logged Data	0.833	Mean of logged Data	2.82
Maximum of Logged Data	3.852	SD of logged Data	0.463

Assuming Lognormal Distribution

95% H-UCL 20.21

90% Chebyshev (MVUE) UCL 21.2

95% Chebyshev (MVUE) UCL 22.36
99% Chebyshev (MVUE) UCL 27.12

97.5% Chebyshev (MVUE) UCL 23.96

Nonparametric Distribution Free UCL Statistics

Data appear to follow a Discernible Distribution at 5% Significance Level

Nonparametric Distribution Free UCLs

95% CLT UCL	19.26	95% Jackknife UCL	19.27
95% Standard Bootstrap UCL	19.27	95% Bootstrap-t UCL	19.35
95% Hall's Bootstrap UCL	19.32	95% Percentile Bootstrap UCL	19.27
95% BCA Bootstrap UCL	19.27		
90% Chebyshev(Mean, Sd) UCL	20.1	95% Chebyshev(Mean, Sd) UCL	20.94
97.5% Chebyshev(Mean, Sd) UCL	22.11	99% Chebyshev(Mean, Sd) UCL	24.41

Suggested UCL to Use

95% Student's-t UCL 19.27

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

Recommendations are based upon data size, data distribution, and skewness.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

Value_mgkg (7440-22-4)

General Statistics

Total Number of Observations	113	Number of Distinct Observations	2
Number of Detects	0	Number of Non-Detects	113
Number of Distinct Detects	0	Number of Distinct Non-Detects	2

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!

Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!

The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable Value_mgkg (7440-22-4) was not processed!

Value_mgkg (7440-28-0)

General Statistics

Total Number of Observations	113	Number of Distinct Observations	2
Number of Detects	0	Number of Non-Detects	113
Number of Distinct Detects	0	Number of Distinct Non-Detects	2

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!

Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!

The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable Value_mgkg (7440-28-0) was not processed!

Value_mgkg (7440-36-0)

General Statistics

Total Number of Observations	113	Number of Distinct Observations	2
Number of Detects	0	Number of Non-Detects	113
Number of Distinct Detects	0	Number of Distinct Non-Detects	2

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!

Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!

The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable Value_mgkg (7440-36-0) was not processed!

Value_mgkg (7440-38-2)

General Statistics

Total Number of Observations	113	Number of Distinct Observations	6
Number of Detects	5	Number of Non-Detects	108
Number of Distinct Detects	5	Number of Distinct Non-Detects	1
Minimum Detect	2.3	Minimum Non-Detect	0.5
Maximum Detect	6.83	Maximum Non-Detect	0.5
Variance Detects	5.339	Percent Non-Detects	95.58%
Mean Detects	4.87	SD Detects	2.311
Median Detects	6.23	CV Detects	0.474
Skewness Detects	-0.571	Kurtosis Detects	-3.274
Mean of Logged Detects	1.469	SD of Logged Detects	0.562

Normal GOF Test on Detects Only

Shapiro Wilk Test Statistic	0.757	Shapiro Wilk GOF Test
5% Shapiro Wilk Critical Value	0.762	Detected Data Not Normal at 5% Significance Level
Lilliefors Test Statistic	0.322	Lilliefors GOF Test
5% Lilliefors Critical Value	0.343	Detected Data appear Normal at 5% Significance Level

Detected Data appear Approximate Normal at 5% Significance Level

Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs

KM Mean	0.693	KM Standard Error of Mean	0.105
KM SD	0.998	95% KM (BCA) UCL	0.875
95% KM (t) UCL	0.868	95% KM (Percentile Bootstrap) UCL	0.867
95% KM (z) UCL	0.866	95% KM Bootstrap t UCL	0.814
90% KM Chebyshev UCL	1.008	95% KM Chebyshev UCL	1.151
97.5% KM Chebyshev UCL	1.349	99% KM Chebyshev UCL	1.738

Gamma GOF Tests on Detected Observations Only

A-D Test Statistic	0.779	Anderson-Darling GOF Test
5% A-D Critical Value	0.681	Detected Data Not Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.358	Kolmogorov-Smirnov GOF
5% K-S Critical Value	0.358	Detected Data Not Gamma Distributed at 5% Significance Level

Detected Data Not Gamma Distributed at 5% Significance Level

Gamma Statistics on Detected Data Only

k hat (MLE)	4.54	k star (bias corrected MLE)	1.949
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Theta hat (MLE)	1.073	Theta star (bias corrected MLE)	2.499
nu hat (MLE)	45.4	nu star (bias corrected)	19.49
Mean (detects)	4.87		

Gamma ROS Statistics using Imputed Non-Detects

GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs

GROS may not be used when kstar of detects is small such as <1.0, especially when the sample size is small (e.g., <15-20)

For such situations, GROS method may yield incorrect values of UCLs and BTVs

This is especially true when the sample size is small.

For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates

Minimum	0.01	Mean	0.259
Maximum	6.83	Median	0.01
SD	1.107	CV	4.267
k hat (MLE)	0.251	k star (bias corrected MLE)	0.25
Theta hat (MLE)	1.034	Theta star (bias corrected MLE)	1.037
nu hat (MLE)	56.68	nu star (bias corrected)	56.51
Adjusted Level of Significance (β)	0.0479		
Approximate Chi Square Value (56.51, α)	40.23	Adjusted Chi Square Value (56.51, β)	40.06
95% Gamma Approximate UCL (use when $n \geq 50$)	0.364	95% Gamma Adjusted UCL (use when $n < 50$)	0.366

Estimates of Gamma Parameters using KM Estimates

Mean (KM)	0.693	SD (KM)	0.998
Variance (KM)	0.997	SE of Mean (KM)	0.105
k hat (KM)	0.482	k star (KM)	0.475
nu hat (KM)	109	nu star (KM)	107.5
theta hat (KM)	1.437	theta star (KM)	1.458
80% gamma percentile (KM)	1.136	90% gamma percentile (KM)	1.895
95% gamma percentile (KM)	2.712	99% gamma percentile (KM)	4.729

Gamma Kaplan-Meier (KM) Statistics

Approximate Chi Square Value (107.46, α)	84.54	Adjusted Chi Square Value (107.46, β)	84.27
95% Gamma Approximate KM-UCL (use when $n \geq 50$)	0.881	95% Gamma Adjusted KM-UCL (use when $n < 50$)	0.884

Lognormal GOF Test on Detected Observations Only

Shapiro Wilk Test Statistic	0.739	Shapiro Wilk GOF Test	
5% Shapiro Wilk Critical Value	0.762	Detected Data Not Lognormal at 5% Significance Level	
Lilliefors Test Statistic	0.339	Lilliefors GOF Test	
5% Lilliefors Critical Value	0.343	Detected Data appear Lognormal at 5% Significance Level	

Detected Data appear Approximate Lognormal at 5% Significance Level

Lognormal ROS Statistics Using Imputed Non-Detects

Mean in Original Scale	0.451	Mean in Log Scale	-2.272
SD in Original Scale	1.111	SD in Log Scale	1.773
95% t UCL (assumes normality of ROS data)	0.625	95% Percentile Bootstrap UCL	0.634
95% BCA Bootstrap UCL	0.699	95% Bootstrap t UCL	0.704
95% H-UCL (Log ROS)	0.827		

Statistics using KM estimates on Logged Data and Assuming Lognormal Distribution

KM Mean (logged)	-0.597	KM Geo Mean	0.55
KM SD (logged)	0.457	95% Critical H Value (KM-Log)	1.811
KM Standard Error of Mean (logged)	0.0481	95% H-UCL (KM -Log)	0.66

KM SD (logged)	0.457	95% Critical H Value (KM-Log)	1.811
KM Standard Error of Mean (logged)	0.0481		

DL/2 Statistics

DL/2 Normal		DL/2 Log-Transformed	
Mean in Original Scale	0.454	Mean in Log Scale	-1.26
SD in Original Scale	1.049	SD in Log Scale	0.599
95% t UCL (Assumes normality)	0.618	95% H-Stat UCL	0.378

DL/2 is not a recommended method, provided for comparisons and historical reasons

Nonparametric Distribution Free UCL Statistics

Detected Data appear Approximate Normal Distributed at 5% Significance Level

Suggested UCL to Use

95% KM (t) UCL	0.868
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When a data set follows an approximate (e.g., normal) distribution passing one of the GOF test

When applicable, it is suggested to use a UCL based upon a distribution (e.g., gamma) passing both GOF tests in ProUCL

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

Recommendations are based upon data size, data distribution, and skewness.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

Value_mgkg (7440-39-3)

General Statistics

Total Number of Observations	113	Number of Distinct Observations	84
		Number of Missing Observations	0
Minimum	34.5	Mean	165.2
Maximum	287	Median	166
SD	53.78	Std. Error of Mean	5.059
Coefficient of Variation	0.325	Skewness	-0.224

Normal GOF Test

Shapiro Wilk Test Statistic	0.974
5% Shapiro Wilk P Value	0.205
Lilliefors Test Statistic	0.0622
5% Lilliefors Critical Value	0.0837

Shapiro Wilk GOF Test

Data appear Normal at 5% Significance Level

Lilliefors GOF Test

Data appear Normal at 5% Significance Level

Data appear Normal at 5% Significance Level

Assuming Normal Distribution

95% Normal UCL

95% Student's-t UCL	173.6
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95% UCLs (Adjusted for Skewness)

95% Adjusted-CLT UCL (Chen-1995)	173.4
95% Modified-t UCL (Johnson-1978)	173.6

Gamma GOF Test

A-D Test Statistic	1.409
5% A-D Critical Value	0.753
K-S Test Statistic	0.0862

Anderson-Darling Gamma GOF Test

Data Not Gamma Distributed at 5% Significance Level

Kolmogorov-Smirnov Gamma GOF Test

5% K-S Critical Value 0.0861

Data Not Gamma Distributed at 5% Significance Level

Data Not Gamma Distributed at 5% Significance Level

Gamma Statistics

k hat (MLE)	7.687	k star (bias corrected MLE)	7.489
Theta hat (MLE)	21.49	Theta star (bias corrected MLE)	22.06
nu hat (MLE)	1737	nu star (bias corrected)	1693
MLE Mean (bias corrected)	165.2	MLE Sd (bias corrected)	60.38
		Approximate Chi Square Value (0.05)	1598
Adjusted Level of Significance	0.0479	Adjusted Chi Square Value	1597

Assuming Gamma Distribution

95% Approximate Gamma UCL (use when $n \geq 50$)	175	95% Adjusted Gamma UCL (use when $n < 50$)	175.1
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Lognormal GOF Test

Shapiro Wilk Test Statistic	0.902
5% Shapiro Wilk P Value	5.592E-10
Lilliefors Test Statistic	0.108
5% Lilliefors Critical Value	0.0837

Shapiro Wilk Lognormal GOF Test

Data Not Lognormal at 5% Significance Level

Lilliefors Lognormal GOF Test

Data Not Lognormal at 5% Significance Level

Data Not Lognormal at 5% Significance Level

Lognormal Statistics

Minimum of Logged Data	3.541	Mean of logged Data	5.041
Maximum of Logged Data	5.659	SD of logged Data	0.396

Assuming Lognormal Distribution

95% H-UCL	178.7	90% Chebyshev (MVUE) UCL	186.4
95% Chebyshev (MVUE) UCL	195.2	97.5% Chebyshev (MVUE) UCL	207.4
99% Chebyshev (MVUE) UCL	231.3		

Nonparametric Distribution Free UCL Statistics

Data appear to follow a Discernible Distribution at 5% Significance Level

Nonparametric Distribution Free UCLs

95% CLT UCL	173.6	95% Jackknife UCL	173.6
95% Standard Bootstrap UCL	173.5	95% Bootstrap-t UCL	173.6
95% Hall's Bootstrap UCL	173.6	95% Percentile Bootstrap UCL	173.4
95% BCA Bootstrap UCL	173.9		
90% Chebyshev(Mean, Sd) UCL	180.4	95% Chebyshev(Mean, Sd) UCL	187.3
97.5% Chebyshev(Mean, Sd) UCL	196.8	99% Chebyshev(Mean, Sd) UCL	215.6

Suggested UCL to Use

95% Student's-t UCL	173.6
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Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

Recommendations are based upon data size, data distribution, and skewness.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

Note: For highly negatively-skewed data, confidence limits (e.g., Chen, Johnson, Lognormal, and Gamma) may not be reliable. Chen's and Johnson's methods provide adjustments for positively skewed data sets.

General Statistics			
Total Number of Observations	113	Number of Distinct Observations	4
Number of Detects	2	Number of Non-Detects	111
Number of Distinct Detects	2	Number of Distinct Non-Detects	2
Minimum Detect	0.337	Minimum Non-Detect	0.25
Maximum Detect	0.387	Maximum Non-Detect	0.5
Variance Detects	0.00125	Percent Non-Detects	98.23%
Mean Detects	0.362	SD Detects	0.0354
Median Detects	0.362	CV Detects	0.0977
Skewness Detects	N/A	Kurtosis Detects	N/A
Mean of Logged Detects	-1.019	SD of Logged Detects	0.0978

Warning: Data set has only 2 Detected Values.

This is not enough to compute meaningful or reliable statistics and estimates.

Normal GOF Test on Detects Only
Not Enough Data to Perform GOF Test

Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs			
KM Mean	0.325	KM Standard Error of Mean	0.0462
KM SD	0.0566	95% KM (BCA) UCL	N/A
95% KM (t) UCL	0.401	95% KM (Percentile Bootstrap) UCL	N/A
95% KM (z) UCL	0.401	95% KM Bootstrap t UCL	N/A
90% KM Chebyshev UCL	0.463	95% KM Chebyshev UCL	0.526
97.5% KM Chebyshev UCL	0.613	99% KM Chebyshev UCL	0.785

Gamma GOF Tests on Detected Observations Only
Not Enough Data to Perform GOF Test

Gamma Statistics on Detected Data Only			
k hat (MLE)	209.3	k star (bias corrected MLE)	N/A
Theta hat (MLE)	0.00173	Theta star (bias corrected MLE)	N/A
nu hat (MLE)	837.3	nu star (bias corrected)	N/A
Mean (detects)	0.362		

Estimates of Gamma Parameters using KM Estimates			
Mean (KM)	0.325	SD (KM)	0.0566
Variance (KM)	0.0032	SE of Mean (KM)	0.0462
k hat (KM)	32.9	k star (KM)	32.03
nu hat (KM)	7435	nu star (KM)	7239
theta hat (KM)	0.00987	theta star (KM)	0.0101
80% gamma percentile (KM)	0.372	90% gamma percentile (KM)	0.4
95% gamma percentile (KM)	0.424	99% gamma percentile (KM)	0.473

Gamma Kaplan-Meier (KM) Statistics			
		Adjusted Level of Significance (β)	0.0479
Approximate Chi Square Value (N/A, α)	7042	Adjusted Chi Square Value (N/A, β)	7039

Lognormal GOF Test on Detected Observations Only

Not Enough Data to Perform GOF Test

Lognormal ROS Statistics Using Imputed Non-Detects

Mean in Original Scale	0.334	Mean in Log Scale	-1.119
SD in Original Scale	0.0716	SD in Log Scale	0.213
95% t UCL (assumes normality of ROS data)	0.345	95% Percentile Bootstrap UCL	0.346
95% BCA Bootstrap UCL	0.347	95% Bootstrap t UCL	0.345
95% H-UCL (Log ROS)	0.346		

Statistics using KM estimates on Logged Data and Assuming Lognormal Distribution

KM Mean (logged)	-1.141	KM Geo Mean	0.319
KM SD (logged)	0.182	95% Critical H Value (KM-Log)	1.694
KM Standard Error of Mean (logged)	0.149	95% H-UCL (KM -Log)	0.334
KM SD (logged)	0.182	95% Critical H Value (KM-Log)	1.694
KM Standard Error of Mean (logged)	0.149		

DL/2 Statistics

DL/2 Normal		DL/2 Log-Transformed	
Mean in Original Scale	0.251	Mean in Log Scale	-1.386
SD in Original Scale	0.0193	SD in Log Scale	0.0824
95% t UCL (Assumes normality)	0.254	95% H-Stat UCL	N/A

DL/2 is not a recommended method, provided for comparisons and historical reasons

Nonparametric Distribution Free UCL Statistics

Data do not follow a Discernible Distribution at 5% Significance Level

Suggested UCL to Use

95% KM (t) UCL	0.401	KM H-UCL	0.334
95% KM (BCA) UCL	N/A		

Warning: One or more Recommended UCL(s) not available!

Warning: Recommended UCL exceeds the maximum observation

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

Recommendations are based upon data size, data distribution, and skewness.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

Value_mgkg (7440-43-9)

General Statistics

Total Number of Observations	113	Number of Distinct Observations	4
Number of Detects	4	Number of Non-Detects	109
Number of Distinct Detects	3	Number of Distinct Non-Detects	1
Minimum Detect	0.8	Minimum Non-Detect	0.5
Maximum Detect	6.1	Maximum Non-Detect	0.5
Variance Detects	6.369	Percent Non-Detects	96.46%
Mean Detects	2.325	SD Detects	2.524
Median Detects	1.2	CV Detects	1.085

Skewness Detects	1.966	Kurtosis Detects	3.895
Mean of Logged Detects	0.487	SD of Logged Detects	0.901

Normal GOF Test on Detects Only

Shapiro Wilk Test Statistic	0.694	Shapiro Wilk GOF Test
5% Shapiro Wilk Critical Value	0.748	Detected Data Not Normal at 5% Significance Level
Lilliefors Test Statistic	0.422	Lilliefors GOF Test
5% Lilliefors Critical Value	0.375	Detected Data Not Normal at 5% Significance Level

Detected Data Not Normal at 5% Significance Level

Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs

KM Mean	0.565	KM Standard Error of Mean	0.0578
KM SD	0.532	95% KM (BCA) UCL	N/A
95% KM (t) UCL	0.66	95% KM (Percentile Bootstrap) UCL	N/A
95% KM (z) UCL	0.66	95% KM Bootstrap t UCL	N/A
90% KM Chebyshev UCL	0.738	95% KM Chebyshev UCL	0.816
97.5% KM Chebyshev UCL	0.925	99% KM Chebyshev UCL	1.139

Gamma GOF Tests on Detected Observations Only

A-D Test Statistic	0.683	Anderson-Darling GOF Test
5% A-D Critical Value	0.662	Detected Data Not Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.427	Kolmogorov-Smirnov GOF
5% K-S Critical Value	0.399	Detected Data Not Gamma Distributed at 5% Significance Level

Detected Data Not Gamma Distributed at 5% Significance Level

Gamma Statistics on Detected Data Only

k hat (MLE)	1.549	k star (bias corrected MLE)	0.554
Theta hat (MLE)	1.501	Theta star (bias corrected MLE)	4.197
nu hat (MLE)	12.39	nu star (bias corrected)	4.431
Mean (detects)	2.325		

Gamma ROS Statistics using Imputed Non-Detects

GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs
GROS may not be used when kstar of detects is small such as <1.0, especially when the sample size is small (e.g., <15-20)
For such situations, GROS method may yield incorrect values of UCLs and BTVs
This is especially true when the sample size is small.

For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates

Minimum	0.01	Mean	0.0919
Maximum	6.1	Median	0.01
SD	0.596	CV	6.482
k hat (MLE)	0.333	k star (bias corrected MLE)	0.33
Theta hat (MLE)	0.276	Theta star (bias corrected MLE)	0.279
nu hat (MLE)	75.18	nu star (bias corrected)	74.51
Adjusted Level of Significance (β)	0.0479		
Approximate Chi Square Value (74.51, α)	55.63	Adjusted Chi Square Value (74.51, β)	55.42
95% Gamma Approximate UCL (use when $n \geq 50$)	0.123	95% Gamma Adjusted UCL (use when $n < 50$)	N/A

Estimates of Gamma Parameters using KM Estimates

Mean (KM)	0.565	SD (KM)	0.532
Variance (KM)	0.283	SE of Mean (KM)	0.0578
k hat (KM)	1.127	k star (KM)	1.103

nu hat (KM)	254.7	nu star (KM)	249.3
theta hat (KM)	0.501	theta star (KM)	0.512
80% gamma percentile (KM)	0.901	90% gamma percentile (KM)	1.269
95% gamma percentile (KM)	1.634	99% gamma percentile (KM)	2.476

Gamma Kaplan-Meier (KM) Statistics

Approximate Chi Square Value (249.30, α)	213.7	Adjusted Chi Square Value (249.30, β)	213.3
95% Gamma Approximate KM-UCL (use when $n \geq 50$)	0.659	95% Gamma Adjusted KM-UCL (use when $n < 50$)	0.66

Lognormal GOF Test on Detected Observations Only

Shapiro Wilk Test Statistic	0.8	Shapiro Wilk GOF Test
5% Shapiro Wilk Critical Value	0.748	Detected Data appear Lognormal at 5% Significance Level
Lilliefors Test Statistic	0.383	Lilliefors GOF Test
5% Lilliefors Critical Value	0.375	Detected Data Not Lognormal at 5% Significance Level

Detected Data appear Approximate Lognormal at 5% Significance Level

Lognormal ROS Statistics Using Imputed Non-Detects

Mean in Original Scale	0.0981	Mean in Log Scale	-7.143
SD in Original Scale	0.597	SD in Log Scale	3.472
95% t UCL (assumes normality of ROS data)	0.191	95% Percentile Bootstrap UCL	0.207
95% BCA Bootstrap UCL	0.275	95% Bootstrap t UCL	0.473
95% H-UCL (Log ROS)	1.831		

Statistics using KM estimates on Logged Data and Assuming Lognormal Distribution

KM Mean (logged)	-0.651	KM Geo Mean	0.521
KM SD (logged)	0.263	95% Critical H Value (KM-Log)	1.722
KM Standard Error of Mean (logged)	0.0286	95% H-UCL (KM -Log)	0.563
KM SD (logged)	0.263	95% Critical H Value (KM-Log)	1.722
KM Standard Error of Mean (logged)	0.0286		

DL/2 Statistics

DL/2 Normal		DL/2 Log-Transformed	
Mean in Original Scale	0.323	Mean in Log Scale	-1.32
SD in Original Scale	0.565	SD in Log Scale	0.378
95% t UCL (Assumes normality)	0.412	95% H-Stat UCL	0.306

DL/2 is not a recommended method, provided for comparisons and historical reasons

Nonparametric Distribution Free UCL Statistics

Detected Data appear Approximate Lognormal Distributed at 5% Significance Level

Suggested UCL to Use

KM H-UCL	0.563
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Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

Recommendations are based upon data size, data distribution, and skewness.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

General Statistics

Total Number of Observations	113	Number of Distinct Observations	93
		Number of Missing Observations	0
Minimum	6.6	Mean	26.87
Maximum	157	Median	26.4
SD	15.47	Std. Error of Mean	1.455
Coefficient of Variation	0.576	Skewness	5.548

Normal GOF Test

Shapiro Wilk Test Statistic	0.615	Shapiro Wilk GOF Test
5% Shapiro Wilk P Value	0	Data Not Normal at 5% Significance Level
Lilliefors Test Statistic	0.24	Lilliefors GOF Test
5% Lilliefors Critical Value	0.0837	Data Not Normal at 5% Significance Level

Data Not Normal at 5% Significance Level**Assuming Normal Distribution****95% Normal UCL**

95% Student's-t UCL	29.28
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95% UCLs (Adjusted for Skewness)

95% Adjusted-CLT UCL (Chen-1995)	30.07
95% Modified-t UCL (Johnson-1978)	29.41

Gamma GOF Test

A-D Test Statistic	3.155	Anderson-Darling Gamma GOF Test
5% A-D Critical Value	0.755	Data Not Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.163	Kolmogorov-Smirnov Gamma GOF Test
5% K-S Critical Value	0.0862	Data Not Gamma Distributed at 5% Significance Level

Data Not Gamma Distributed at 5% Significance Level**Gamma Statistics**

k hat (MLE)	5.06	k star (bias corrected MLE)	4.932
Theta hat (MLE)	5.309	Theta star (bias corrected MLE)	5.448
nu hat (MLE)	1144	nu star (bias corrected)	1115
MLE Mean (bias corrected)	26.87	MLE Sd (bias corrected)	12.1
		Approximate Chi Square Value (0.05)	1038
Adjusted Level of Significance	0.0479	Adjusted Chi Square Value	1037

Assuming Gamma Distribution

95% Approximate Gamma UCL (use when n>=50))	28.85	95% Adjusted Gamma UCL (use when n<50)	28.87
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Lognormal GOF Test

Shapiro Wilk Test Statistic	0.902	Shapiro Wilk Lognormal GOF Test
5% Shapiro Wilk P Value	4.716E-10	Data Not Lognormal at 5% Significance Level
Lilliefors Test Statistic	0.151	Lilliefors Lognormal GOF Test
5% Lilliefors Critical Value	0.0837	Data Not Lognormal at 5% Significance Level

Data Not Lognormal at 5% Significance Level**Lognormal Statistics**

Minimum of Logged Data	1.887	Mean of logged Data	3.189
Maximum of Logged Data	5.056	SD of logged Data	0.45

Assuming Lognormal Distribution

95% H-UCL	28.99	90% Chebyshev (MVUE) UCL	30.39
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95% Chebyshev (MVUE) UCL	32	97.5% Chebyshev (MVUE) UCL	34.24
99% Chebyshev (MVUE) UCL	38.64		

Nonparametric Distribution Free UCL Statistics
Data do not follow a Discernible Distribution (0.05)

Nonparametric Distribution Free UCLs			
95% CLT UCL	29.26	95% Jackknife UCL	29.28
95% Standard Bootstrap UCL	29.23	95% Bootstrap-t UCL	30.56
95% Hall's Bootstrap UCL	41.24	95% Percentile Bootstrap UCL	29.36
95% BCA Bootstrap UCL	30.24		
90% Chebyshev(Mean, Sd) UCL	31.23	95% Chebyshev(Mean, Sd) UCL	33.21
97.5% Chebyshev(Mean, Sd) UCL	35.95	99% Chebyshev(Mean, Sd) UCL	41.35

Suggested UCL to Use			
95% Student's-t UCL	29.28	or 95% Modified-t UCL	29.41

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

Recommendations are based upon data size, data distribution, and skewness.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

Value_mgkg (7440-48-4)

General Statistics			
Total Number of Observations	113	Number of Distinct Observations	86
		Number of Missing Observations	0
Minimum	1.1	Mean	14.12
Maximum	22.6	Median	14.2
SD	4.49	Std. Error of Mean	0.422
Coefficient of Variation	0.318	Skewness	-0.372

Normal GOF Test		Shapiro Wilk GOF Test	
Shapiro Wilk Test Statistic	0.965	Data Not Normal at 5% Significance Level	
5% Shapiro Wilk P Value	0.0444		
Lilliefors Test Statistic	0.0776	Lilliefors GOF Test	
5% Lilliefors Critical Value	0.0837	Data appear Normal at 5% Significance Level	

Data appear Approximate Normal at 5% Significance Level

Assuming Normal Distribution			
95% Normal UCL		95% UCLs (Adjusted for Skewness)	
95% Student's-t UCL	14.82	95% Adjusted-CLT UCL (Chen-1995)	14.8
		95% Modified-t UCL (Johnson-1978)	14.82

Gamma GOF Test		Anderson-Darling Gamma GOF Test	
A-D Test Statistic	1.862	Data Not Gamma Distributed at 5% Significance Level	
5% A-D Critical Value	0.753		
K-S Test Statistic	0.0934	Kolmogorov-Smirnov Gamma GOF Test	
5% K-S Critical Value	0.0861	Data Not Gamma Distributed at 5% Significance Level	

Data Not Gamma Distributed at 5% Significance Level

Gamma Statistics

k hat (MLE)	7.326	k star (bias corrected MLE)	7.137
Theta hat (MLE)	1.927	Theta star (bias corrected MLE)	1.978
nu hat (MLE)	1656	nu star (bias corrected)	1613
MLE Mean (bias corrected)	14.12	MLE Sd (bias corrected)	5.285
		Approximate Chi Square Value (0.05)	1521
Adjusted Level of Significance	0.0479	Adjusted Chi Square Value	1520

Assuming Gamma Distribution

95% Approximate Gamma UCL (use when n>=50))	14.98	95% Adjusted Gamma UCL (use when n<50)	14.99
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Lognormal GOF Test

Shapiro Wilk Test Statistic	0.841
5% Shapiro Wilk P Value	0
Lilliefors Test Statistic	0.121
5% Lilliefors Critical Value	0.0837

Shapiro Wilk Lognormal GOF Test

Data Not Lognormal at 5% Significance Level

Lilliefors Lognormal GOF Test

Data Not Lognormal at 5% Significance Level

Data Not Lognormal at 5% Significance Level**Lognormal Statistics**

Minimum of Logged Data	0.0953	Mean of logged Data	2.578
Maximum of Logged Data	3.118	SD of logged Data	0.426

Assuming Lognormal Distribution

95% H-UCL	15.5	90% Chebyshev (MVUE) UCL	16.21
95% Chebyshev (MVUE) UCL	17.03	97.5% Chebyshev (MVUE) UCL	18.17
99% Chebyshev (MVUE) UCL	20.39		

Nonparametric Distribution Free UCL Statistics**Data appear to follow a Discernible Distribution at 5% Significance Level****Nonparametric Distribution Free UCLs**

95% CLT UCL	14.81	95% Jackknife UCL	14.82
95% Standard Bootstrap UCL	14.82	95% Bootstrap-t UCL	14.82
95% Hall's Bootstrap UCL	14.8	95% Percentile Bootstrap UCL	14.85
95% BCA Bootstrap UCL	14.78		
90% Chebyshev(Mean, Sd) UCL	15.39	95% Chebyshev(Mean, Sd) UCL	15.96
97.5% Chebyshev(Mean, Sd) UCL	16.76	99% Chebyshev(Mean, Sd) UCL	18.32

Suggested UCL to Use

95% Student's-t UCL	14.82
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When a data set follows an approximate (e.g., normal) distribution passing one of the GOF test

When applicable, it is suggested to use a UCL based upon a distribution (e.g., gamma) passing both GOF tests in ProUCL

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

Recommendations are based upon data size, data distribution, and skewness.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

Note: For highly negatively-skewed data, confidence limits (e.g., Chen, Johnson, Lognormal, and Gamma) may not be

reliable. Chen's and Johnson's methods provide adjustments for positively skewed data sets.

Value_mgkg (7440-50-8)

General Statistics

Total Number of Observations	113	Number of Distinct Observations	102
		Number of Missing Observations	0
Minimum	6.8	Mean	99.39
Maximum	6740	Median	30.2
SD	633.3	Std. Error of Mean	59.57
Coefficient of Variation	6.372	Skewness	10.48

Normal GOF Test

Shapiro Wilk Test Statistic	0.125
5% Shapiro Wilk P Value	0
Lilliefors Test Statistic	0.451
5% Lilliefors Critical Value	0.0837

Shapiro Wilk GOF Test

Data Not Normal at 5% Significance Level

Lilliefors GOF Test

Data Not Normal at 5% Significance Level

Data Not Normal at 5% Significance Level

Assuming Normal Distribution

95% Normal UCL

95% Student's-t UCL	198.2
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95% UCLs (Adjusted for Skewness)

95% Adjusted-CLT UCL (Chen-1995)	260.2
95% Modified-t UCL (Johnson-1978)	208

Gamma GOF Test

A-D Test Statistic	8.850E+28
5% A-D Critical Value	0.815
K-S Test Statistic	0.41
5% K-S Critical Value	0.0908

Anderson-Darling Gamma GOF Test

Data Not Gamma Distributed at 5% Significance Level

Kolmogorov-Smirnov Gamma GOF Test

Data Not Gamma Distributed at 5% Significance Level

Data Not Gamma Distributed at 5% Significance Level

Gamma Statistics

k hat (MLE)	0.544	k star (bias corrected MLE)	0.536
Theta hat (MLE)	182.6	Theta star (bias corrected MLE)	185.5
nu hat (MLE)	123	nu star (bias corrected)	121.1
MLE Mean (bias corrected)	99.39	MLE Sd (bias corrected)	135.8
		Approximate Chi Square Value (0.05)	96.68
Adjusted Level of Significance	0.0479	Adjusted Chi Square Value	96.4

Assuming Gamma Distribution

95% Approximate Gamma UCL (use when n>=50))	124.5	95% Adjusted Gamma UCL (use when n<50)	124.8
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Lognormal GOF Test

Shapiro Wilk Test Statistic	0.759
5% Shapiro Wilk P Value	0
Lilliefors Test Statistic	0.218
5% Lilliefors Critical Value	0.0837

Shapiro Wilk Lognormal GOF Test

Data Not Lognormal at 5% Significance Level

Lilliefors Lognormal GOF Test

Data Not Lognormal at 5% Significance Level

Data Not Lognormal at 5% Significance Level

Lognormal Statistics

Minimum of Logged Data	1.917	Mean of logged Data	3.447
Maximum of Logged Data	8.816	SD of logged Data	0.802

Assuming Lognormal Distribution

95% H-UCL	50.62	90% Chebyshev (MVUE) UCL	54.3
95% Chebyshev (MVUE) UCL	59.34	97.5% Chebyshev (MVUE) UCL	66.32
99% Chebyshev (MVUE) UCL	80.05		

Nonparametric Distribution Free UCL Statistics

Data do not follow a Discernible Distribution (0.05)

Nonparametric Distribution Free UCLs

95% CLT UCL	197.4	95% Jackknife UCL	198.2
95% Standard Bootstrap UCL	197.2	95% Bootstrap-t UCL	1675
95% Hall's Bootstrap UCL	863.2	95% Percentile Bootstrap UCL	217.6
95% BCA Bootstrap UCL	283.7		
90% Chebyshev(Mean, Sd) UCL	278.1	95% Chebyshev(Mean, Sd) UCL	359.1
97.5% Chebyshev(Mean, Sd) UCL	471.4	99% Chebyshev(Mean, Sd) UCL	692.1

Suggested UCL to Use

95% Chebyshev (Mean, Sd) UCL	359.1
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Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

Recommendations are based upon data size, data distribution, and skewness.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

Value_mgkg (7440-62-2)

General Statistics

Total Number of Observations	113	Number of Distinct Observations	101
		Number of Missing Observations	0
Minimum	11.3	Mean	54.68
Maximum	83.8	Median	56
SD	14.71	Std. Error of Mean	1.384
Coefficient of Variation	0.269	Skewness	-0.433

Normal GOF Test

Shapiro Wilk Test Statistic	0.965
5% Shapiro Wilk P Value	0.0375
Lilliefors Test Statistic	0.0938
5% Lilliefors Critical Value	0.0837

Shapiro Wilk GOF Test

Data Not Normal at 5% Significance Level

Lilliefors GOF Test

Data Not Normal at 5% Significance Level

Data Not Normal at 5% Significance Level

Assuming Normal Distribution

95% Normal UCL

95% Student's-t UCL	56.97
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95% UCLs (Adjusted for Skewness)

95% Adjusted-CLT UCL (Chen-1995)	56.89
95% Modified-t UCL (Johnson-1978)	56.96

Gamma GOF Test

A-D Test Statistic	1.651
5% A-D Critical Value	0.752
K-S Test Statistic	0.104
5% K-S Critical Value	0.086

Anderson-Darling Gamma GOF Test	
Data Not Gamma Distributed at 5% Significance Level	
Kolmogorov-Smirnov Gamma GOF Test	
Data Not Gamma Distributed at 5% Significance Level	

Data Not Gamma Distributed at 5% Significance Level

Gamma Statistics			
k hat (MLE)	11.25	k star (bias corrected MLE)	10.96
Theta hat (MLE)	4.859	Theta star (bias corrected MLE)	4.988
nu hat (MLE)	2543	nu star (bias corrected)	2477
MLE Mean (bias corrected)	54.68	MLE Sd (bias corrected)	16.51
		Approximate Chi Square Value (0.05)	2362
Adjusted Level of Significance	0.0479	Adjusted Chi Square Value	2361

Assuming Gamma Distribution

95% Approximate Gamma UCL (use when n>=50))	57.33	95% Adjusted Gamma UCL (use when n<50)	57.36
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Lognormal GOF Test

Shapiro Wilk Test Statistic	0.887
5% Shapiro Wilk P Value	3.799E-12
Lilliefors Test Statistic	0.105
5% Lilliefors Critical Value	0.0837

Shapiro Wilk Lognormal GOF Test	
Data Not Lognormal at 5% Significance Level	
Lilliefors Lognormal GOF Test	
Data Not Lognormal at 5% Significance Level	

Data Not Lognormal at 5% Significance Level

Lognormal Statistics

Minimum of Logged Data	2.425	Mean of logged Data	3.956
Maximum of Logged Data	4.428	SD of logged Data	0.326

Assuming Lognormal Distribution

95% H-UCL	58.15	90% Chebyshev (MVUE) UCL	60.27
95% Chebyshev (MVUE) UCL	62.62	97.5% Chebyshev (MVUE) UCL	65.88
99% Chebyshev (MVUE) UCL	72.28		

Nonparametric Distribution Free UCL Statistics

Data do not follow a Discernible Distribution (0.05)

Nonparametric Distribution Free UCLs

95% CLT UCL	56.95	95% Jackknife UCL	56.97
95% Standard Bootstrap UCL	56.93	95% Bootstrap-t UCL	56.92
95% Hall's Bootstrap UCL	56.96	95% Percentile Bootstrap UCL	56.83
95% BCA Bootstrap UCL	56.97		
90% Chebyshev(Mean, Sd) UCL	58.83	95% Chebyshev(Mean, Sd) UCL	60.71
97.5% Chebyshev(Mean, Sd) UCL	63.32	99% Chebyshev(Mean, Sd) UCL	68.44

Suggested UCL to Use

95% Student's-t UCL	56.97	or 95% Modified-t UCL	56.96
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Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

Recommendations are based upon data size, data distribution, and skewness.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

Note: For highly negatively-skewed data, confidence limits (e.g., Chen, Johnson, Lognormal, and Gamma) may not be reliable. Chen's and Johnson's methods provide adjustments for positively skewed data sets.

Value_mgkg (7440-66-6)

General Statistics

Total Number of Observations	113	Number of Distinct Observations	105
		Number of Missing Observations	0
Minimum	21.7	Mean	310.7
Maximum	6920	Median	68.8
SD	1074	Std. Error of Mean	101.1
Coefficient of Variation	3.457	Skewness	5.233

Normal GOF Test

Shapiro Wilk Test Statistic	0.27	Shapiro Wilk GOF Test
5% Shapiro Wilk P Value	0	Data Not Normal at 5% Significance Level
Lilliefors Test Statistic	0.44	Lilliefors GOF Test
5% Lilliefors Critical Value	0.0837	Data Not Normal at 5% Significance Level

Data Not Normal at 5% Significance Level

Assuming Normal Distribution

95% Normal UCL

95% Student's-t UCL 478.3

95% UCLs (Adjusted for Skewness)

95% Adjusted-CLT UCL (Chen-1995) 530.1

95% Modified-t UCL (Johnson-1978) 486.6

Gamma GOF Test

A-D Test Statistic	25.09	Anderson-Darling Gamma GOF Test
5% A-D Critical Value	0.819	Data Not Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.413	Kolmogorov-Smirnov Gamma GOF Test
5% K-S Critical Value	0.0911	Data Not Gamma Distributed at 5% Significance Level

Data Not Gamma Distributed at 5% Significance Level

Gamma Statistics

k hat (MLE)	0.499	k star (bias corrected MLE)	0.492
Theta hat (MLE)	622.1	Theta star (bias corrected MLE)	631.4
nu hat (MLE)	112.9	nu star (bias corrected)	111.2
MLE Mean (bias corrected)	310.7	MLE Sd (bias corrected)	442.9
		Approximate Chi Square Value (0.05)	87.88
Adjusted Level of Significance	0.0479	Adjusted Chi Square Value	87.61

Assuming Gamma Distribution

95% Approximate Gamma UCL (use when $n \geq 50$) 393.3

95% Adjusted Gamma UCL (use when $n < 50$) 394.5

Lognormal GOF Test

Shapiro Wilk Test Statistic	0.667	Shapiro Wilk Lognormal GOF Test
5% Shapiro Wilk P Value	0	Data Not Lognormal at 5% Significance Level
Lilliefors Test Statistic	0.312	Lilliefors Lognormal GOF Test
5% Lilliefors Critical Value	0.0837	Data Not Lognormal at 5% Significance Level

Data Not Lognormal at 5% Significance Level

Lognormal Statistics

Minimum of Logged Data	3.077	Mean of logged Data	4.467
Maximum of Logged Data	8.842	SD of logged Data	1.058

Assuming Lognormal Distribution

95% H-UCL	191.2	90% Chebyshev (MVUE) UCL	206.5
95% Chebyshev (MVUE) UCL	231.5	97.5% Chebyshev (MVUE) UCL	266.2
99% Chebyshev (MVUE) UCL	334.4		

Nonparametric Distribution Free UCL Statistics Data do not follow a Discernible Distribution (0.05)

Nonparametric Distribution Free UCLs

95% CLT UCL	476.9	95% Jackknife UCL	478.3
95% Standard Bootstrap UCL	476.8	95% Bootstrap-t UCL	588
95% Hall's Bootstrap UCL	465	95% Percentile Bootstrap UCL	486
95% BCA Bootstrap UCL	538.8		
90% Chebyshev(Mean, Sd) UCL	613.9	95% Chebyshev(Mean, Sd) UCL	751.2
97.5% Chebyshev(Mean, Sd) UCL	941.8	99% Chebyshev(Mean, Sd) UCL	1316

Suggested UCL to Use

95% Chebyshev (Mean, Sd) UCL	751.2
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Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

Recommendations are based upon data size, data distribution, and skewness.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

Value_mgkg (74-83-9)

General Statistics

Total Number of Observations	4	Number of Distinct Observations	4
Number of Detects	0	Number of Non-Detects	4
Number of Distinct Detects	0	Number of Distinct Non-Detects	4

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!

Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!

The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable Value_mgkg (74-83-9) was not processed!

Value_mgkg (74-87-3)

General Statistics

Total Number of Observations	4	Number of Distinct Observations	4
Number of Detects	0	Number of Non-Detects	4
Number of Distinct Detects	0	Number of Distinct Non-Detects	4

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!

Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!
The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable Value_mgkg (74-87-3) was not processed!

Value_mgkg (74-95-3)

General Statistics			
Total Number of Observations	119	Number of Distinct Observations	5
Number of Detects	0	Number of Non-Detects	119
Number of Distinct Detects	0	Number of Distinct Non-Detects	5

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!
Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!
The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable Value_mgkg (74-95-3) was not processed!

Value_mgkg (74-97-5)

General Statistics			
Total Number of Observations	4	Number of Distinct Observations	4
Number of Detects	0	Number of Non-Detects	4
Number of Distinct Detects	0	Number of Distinct Non-Detects	4

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!
Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!
The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable Value_mgkg (74-97-5) was not processed!

Value_mgkg (75-00-3)

General Statistics			
Total Number of Observations	4	Number of Distinct Observations	4
Number of Detects	0	Number of Non-Detects	4
Number of Distinct Detects	0	Number of Distinct Non-Detects	4

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!
Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!
The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable Value_mgkg (75-00-3) was not processed!

Value_mgkg (75-01-4)

General Statistics

Total Number of Observations	119	Number of Distinct Observations	5
Number of Detects	0	Number of Non-Detects	119
Number of Distinct Detects	0	Number of Distinct Non-Detects	5

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!

Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!

The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable Value_mgkg (75-01-4) was not processed!

Value_mgkg (75-09-2)

General Statistics			
Total Number of Observations	119	Number of Distinct Observations	4
Number of Detects	0	Number of Non-Detects	119
Number of Distinct Detects	0	Number of Distinct Non-Detects	4

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!

Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!

The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable Value_mgkg (75-09-2) was not processed!

Value_mgkg (75-15-0)

General Statistics			
Total Number of Observations	4	Number of Distinct Observations	4
Number of Detects	0	Number of Non-Detects	4
Number of Distinct Detects	0	Number of Distinct Non-Detects	4

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!

Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!

The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable Value_mgkg (75-15-0) was not processed!

Value_mgkg (75-25-2)

General Statistics			
Total Number of Observations	116	Number of Distinct Observations	5
Number of Detects	0	Number of Non-Detects	116
Number of Distinct Detects	0	Number of Distinct Non-Detects	5

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!

Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!

The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable Value_mgkg (75-25-2) was not processed!

Value_mgkg (75-27-4)

General Statistics			
Total Number of Observations	116	Number of Distinct Observations	4
Number of Detects	0	Number of Non-Detects	116
Number of Distinct Detects	0	Number of Distinct Non-Detects	4

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!

Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!

The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable Value_mgkg (75-27-4) was not processed!

Value_mgkg (75-34-3)

General Statistics			
Total Number of Observations	115	Number of Distinct Observations	5
Number of Detects	0	Number of Non-Detects	115
Number of Distinct Detects	0	Number of Distinct Non-Detects	5

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!

Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!

The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable Value_mgkg (75-34-3) was not processed!

Value_mgkg (75-35-4)

General Statistics			
Total Number of Observations	115	Number of Distinct Observations	5
Number of Detects	0	Number of Non-Detects	115
Number of Distinct Detects	0	Number of Distinct Non-Detects	5

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!

Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!

The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable Value_mgkg (75-35-4) was not processed!

Value_mgkg (75-65-0)

General Statistics			
Total Number of Observations	115	Number of Distinct Observations	2
Number of Detects	0	Number of Non-Detects	115
Number of Distinct Detects	0	Number of Distinct Non-Detects	2

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!
Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!
The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable Value_mgkg (75-65-0) was not processed!

Value_mgkg (75-69-4)

General Statistics			
Total Number of Observations	119	Number of Distinct Observations	6
Number of Detects	0	Number of Non-Detects	119
Number of Distinct Detects	0	Number of Distinct Non-Detects	6

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!
Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!
The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable Value_mgkg (75-69-4) was not processed!

Value_mgkg (75-71-8)

General Statistics			
Total Number of Observations	119	Number of Distinct Observations	6
Number of Detects	0	Number of Non-Detects	119
Number of Distinct Detects	0	Number of Distinct Non-Detects	6

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!
Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!
The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable Value_mgkg (75-71-8) was not processed!

Value_mgkg (76-13-1)

General Statistics			
Total Number of Observations	119	Number of Distinct Observations	6
Number of Detects	0	Number of Non-Detects	119
Number of Distinct Detects	0	Number of Distinct Non-Detects	6

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!
Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!
The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable Value_mgkg (76-13-1) was not processed!

Value_mgkg (7782-49-2)

General Statistics

Total Number of Observations	113	Number of Distinct Observations	2
Number of Detects	0	Number of Non-Detects	113
Number of Distinct Detects	0	Number of Distinct Non-Detects	2

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!

Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!

The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable Value_mgkg (7782-49-2) was not processed!

Value_mgkg (78-87-5)

General Statistics

Total Number of Observations	115	Number of Distinct Observations	5
Number of Detects	0	Number of Non-Detects	115
Number of Distinct Detects	0	Number of Distinct Non-Detects	5

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!

Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!

The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable Value_mgkg (78-87-5) was not processed!

Value_mgkg (78-93-3)

General Statistics

Total Number of Observations	4	Number of Distinct Observations	4
Number of Detects	0	Number of Non-Detects	4
Number of Distinct Detects	0	Number of Distinct Non-Detects	4

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!

Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!

The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable Value_mgkg (78-93-3) was not processed!

Value_mgkg (79-00-5)

General Statistics

Total Number of Observations	115	Number of Distinct Observations	5
Number of Detects	0	Number of Non-Detects	115
Number of Distinct Detects	0	Number of Distinct Non-Detects	5

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!

Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!

The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable Value_mgkg (79-00-5) was not processed!

Value_mgkg (79-01-6)

General Statistics

Total Number of Observations	119	Number of Distinct Observations	21
Number of Detects	19	Number of Non-Detects	100
Number of Distinct Detects	18	Number of Distinct Non-Detects	4
Minimum Detect	3.1000E-4	Minimum Non-Detect	2.2000E-4
Maximum Detect	4.8	Maximum Non-Detect	0.015
Variance Detects	1.206	Percent Non-Detects	84.03%
Mean Detects	0.268	SD Detects	1.098
Median Detects	0.0026	CV Detects	4.101
Skewness Detects	4.351	Kurtosis Detects	18.95
Mean of Logged Detects	-5.214	SD of Logged Detects	2.24

Normal GOF Test on Detects Only

Shapiro Wilk Test Statistic	0.261	Shapiro Wilk GOF Test
5% Shapiro Wilk Critical Value	0.901	Detected Data Not Normal at 5% Significance Level
Lilliefors Test Statistic	0.489	Lilliefors GOF Test
5% Lilliefors Critical Value	0.197	Detected Data Not Normal at 5% Significance Level

Detected Data Not Normal at 5% Significance Level

Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs

KM Mean	0.043	KM Standard Error of Mean	0.0413
KM SD	0.438	95% KM (BCA) UCL	0.124
95% KM (t) UCL	0.111	95% KM (Percentile Bootstrap) UCL	0.123
95% KM (z) UCL	0.111	95% KM Bootstrap t UCL	3.102
90% KM Chebyshev UCL	0.167	95% KM Chebyshev UCL	0.223
97.5% KM Chebyshev UCL	0.301	99% KM Chebyshev UCL	0.454

Gamma GOF Tests on Detected Observations Only

A-D Test Statistic	3.835	Anderson-Darling GOF Test
5% A-D Critical Value	0.9	Detected Data Not Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.361	Kolmogorov-Smirnov GOF
5% K-S Critical Value	0.221	Detected Data Not Gamma Distributed at 5% Significance Level

Detected Data Not Gamma Distributed at 5% Significance Level

Gamma Statistics on Detected Data Only

k hat (MLE)	0.19	k star (bias corrected MLE)	0.195
Theta hat (MLE)	1.407	Theta star (bias corrected MLE)	1.371
nu hat (MLE)	7.233	nu star (bias corrected)	7.424
Mean (detects)	0.268		

Gamma ROS Statistics using Imputed Non-Detects

GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs

GROS may not be used when kstar of detects is small such as <1.0, especially when the sample size is small (e.g., <15-20)

For such situations, GROS method may yield incorrect values of UCLs and BTVs

This is especially true when the sample size is small.

For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates

Minimum	3.1000E-4	Mean	0.0512
Maximum	4.8	Median	0.01
SD	0.439	CV	8.586
k hat (MLE)	0.383	k star (bias corrected MLE)	0.379
Theta hat (MLE)	0.134	Theta star (bias corrected MLE)	0.135
nu hat (MLE)	91.18	nu star (bias corrected)	90.22
Adjusted Level of Significance (β)	0.048		
Approximate Chi Square Value (90.22, α)	69.32	Adjusted Chi Square Value (90.22, β)	69.09
95% Gamma Approximate UCL (use when $n \geq 50$)	0.0666	95% Gamma Adjusted UCL (use when $n < 50$)	0.0668

Estimates of Gamma Parameters using KM Estimates

Mean (KM)	0.043	SD (KM)	0.438
Variance (KM)	0.192	SE of Mean (KM)	0.0413
k hat (KM)	0.00962	k star (KM)	0.015
nu hat (KM)	2.289	nu star (KM)	3.564
theta hat (KM)	4.468	theta star (KM)	2.869
80% gamma percentile (KM)	5.5171E-7	90% gamma percentile (KM)	0.00144
95% gamma percentile (KM)	0.0541	99% gamma percentile (KM)	1.217

Gamma Kaplan-Meier (KM) Statistics

Approximate Chi Square Value (3.56, α)	0.558	Adjusted Chi Square Value (3.56, β)	0.544
95% Gamma Approximate KM-UCL (use when $n \geq 50$)	0.275	95% Gamma Adjusted KM-UCL (use when $n < 50$)	0.281

Lognormal GOF Test on Detected Observations Only

Shapiro Wilk Test Statistic	0.823	Shapiro Wilk GOF Test	
5% Shapiro Wilk Critical Value	0.901	Detected Data Not Lognormal at 5% Significance Level	
Lilliefors Test Statistic	0.248	Lilliefors GOF Test	
5% Lilliefors Critical Value	0.197	Detected Data Not Lognormal at 5% Significance Level	

Detected Data Not Lognormal at 5% Significance Level

Lognormal ROS Statistics Using Imputed Non-Detects

Mean in Original Scale	0.0428	Mean in Log Scale	-12.06
SD in Original Scale	0.44	SD in Log Scale	4.515
95% t UCL (assumes normality of ROS data)	0.11	95% Percentile Bootstrap UCL	0.123
95% BCA Bootstrap UCL	0.167	95% Bootstrap t UCL	5.32
95% H-UCL (Log ROS)	2.514		

Statistics using KM estimates on Logged Data and Assuming Lognormal Distribution

KM Mean (logged)	-7.813	KM Geo Mean	4.0438E-4
KM SD (logged)	1.439	95% Critical H Value (KM-Log)	2.673
KM Standard Error of Mean (logged)	0.158	95% H-UCL (KM -Log)	0.00162
KM SD (logged)	1.439	95% Critical H Value (KM-Log)	2.673
KM Standard Error of Mean (logged)	0.158		

DL/2 Statistics

DL/2 Normal		DL/2 Log-Transformed	
Mean in Original Scale	0.0432	Mean in Log Scale	-7.22
SD in Original Scale	0.44	SD in Log Scale	1.277
95% t UCL (Assumes normality)	0.11	95% H-Stat UCL	0.00222

DL/2 is not a recommended method, provided for comparisons and historical reasons

Nonparametric Distribution Free UCL Statistics
Data do not follow a Discernible Distribution at 5% Significance Level

Suggested UCL to Use

95% KM (Chebyshev) UCL 0.223

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

Recommendations are based upon data size, data distribution, and skewness.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

Value_mgkg (79-34-5)

General Statistics

Total Number of Observations	114	Number of Distinct Observations	5
Number of Detects	0	Number of Non-Detects	114
Number of Distinct Detects	0	Number of Distinct Non-Detects	5

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!

Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!

The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable Value_mgkg (79-34-5) was not processed!

Value_mgkg (87-61-6)

General Statistics

Total Number of Observations	115	Number of Distinct Observations	5
Number of Detects	0	Number of Non-Detects	115
Number of Distinct Detects	0	Number of Distinct Non-Detects	5

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!

Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!

The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable Value_mgkg (87-61-6) was not processed!

Value_mgkg (87-68-3)

General Statistics

Total Number of Observations	115	Number of Distinct Observations	1
Number of Detects	0	Number of Non-Detects	115
Number of Distinct Detects	0	Number of Distinct Non-Detects	1

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!

Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!

The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable Value_mgkg (87-68-3) was not processed!

Value_mgkg (91-20-3)

General Statistics			
Total Number of Observations	119	Number of Distinct Observations	5
Number of Detects	0	Number of Non-Detects	119
Number of Distinct Detects	0	Number of Distinct Non-Detects	5

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!

Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!

The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable Value_mgkg (91-20-3) was not processed!

Value_mgkg (95-47-6)

General Statistics			
Total Number of Observations	4	Number of Distinct Observations	4
Number of Detects	0	Number of Non-Detects	4
Number of Distinct Detects	0	Number of Distinct Non-Detects	4

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!

Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!

The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable Value_mgkg (95-47-6) was not processed!

Value_mgkg (95-49-8)

General Statistics			
Total Number of Observations	115	Number of Distinct Observations	5
Number of Detects	0	Number of Non-Detects	115
Number of Distinct Detects	0	Number of Distinct Non-Detects	5

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!

Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!

The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable Value_mgkg (95-49-8) was not processed!

Value_mgkg (95-50-1)

General Statistics			
Total Number of Observations	115	Number of Distinct Observations	5
Number of Detects	0	Number of Non-Detects	115
Number of Distinct Detects	0	Number of Distinct Non-Detects	5

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!
Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!
The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable Value_mgkg (95-50-1) was not processed!

Value_mgkg (95-63-6)

General Statistics			
Total Number of Observations	115	Number of Distinct Observations	5
Number of Detects	0	Number of Non-Detects	115
Number of Distinct Detects	0	Number of Distinct Non-Detects	5

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!
Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!
The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable Value_mgkg (95-63-6) was not processed!

Value_mgkg (96-12-8)

General Statistics			
Total Number of Observations	115	Number of Distinct Observations	4
Number of Detects	0	Number of Non-Detects	115
Number of Distinct Detects	0	Number of Distinct Non-Detects	4

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!
Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!
The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable Value_mgkg (96-12-8) was not processed!

Value_mgkg (96-18-4)

General Statistics			
Total Number of Observations	115	Number of Distinct Observations	5
Number of Detects	0	Number of Non-Detects	115
Number of Distinct Detects	0	Number of Distinct Non-Detects	5

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!
Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!
The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable Value_mgkg (96-18-4) was not processed!

Value_mgkg (98-06-6)

General Statistics

Total Number of Observations	119	Number of Distinct Observations	4
Number of Detects	0	Number of Non-Detects	119
Number of Distinct Detects	0	Number of Distinct Non-Detects	4

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!

Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!

The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable Value_mgkg (98-06-6) was not processed!

Value_mgkg (98-82-8)

General Statistics

Total Number of Observations	119	Number of Distinct Observations	5
Number of Detects	0	Number of Non-Detects	119
Number of Distinct Detects	0	Number of Distinct Non-Detects	5

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!

Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!

The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable Value_mgkg (98-82-8) was not processed!

Value_mgkg (994-05-8)

General Statistics

Total Number of Observations	115	Number of Distinct Observations	2
Number of Detects	0	Number of Non-Detects	115
Number of Distinct Detects	0	Number of Distinct Non-Detects	2

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!

Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!

The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable Value_mgkg (994-05-8) was not processed!

Value_mgkg (99-87-6)

General Statistics

Total Number of Observations	116	Number of Distinct Observations	5
Number of Detects	0	Number of Non-Detects	116
Number of Distinct Detects	0	Number of Distinct Non-Detects	5

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!

Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!

The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable Value_mgkg (99-87-6) was not processed!

Value_mgkg (n/a)

General Statistics

Total Number of Observations	345	Number of Distinct Observations	10
Number of Detects	7	Number of Non-Detects	338
Number of Distinct Detects	7	Number of Distinct Non-Detects	3
Minimum Detect	0.0218	Minimum Non-Detect	2.0000E-4
Maximum Detect	0.241	Maximum Non-Detect	0.01
Variance Detects	0.007	Percent Non-Detects	97.97%
Mean Detects	0.0987	SD Detects	0.0837
Median Detects	0.0666	CV Detects	0.848
Skewness Detects	0.853	Kurtosis Detects	-0.495
Mean of Logged Detects	-2.679	SD of Logged Detects	0.964

Normal GOF Test on Detects Only

Shapiro Wilk Test Statistic	0.887	Shapiro Wilk GOF Test
5% Shapiro Wilk Critical Value	0.803	Detected Data appear Normal at 5% Significance Level
Lilliefors Test Statistic	0.221	Lilliefors GOF Test
5% Lilliefors Critical Value	0.304	Detected Data appear Normal at 5% Significance Level

Detected Data appear Normal at 5% Significance Level

Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs

KM Mean	0.0022	KM Standard Error of Mean	0.00103
KM SD	0.0177	95% KM (BCA) UCL	0.00424
95% KM (t) UCL	0.0039	95% KM (Percentile Bootstrap) UCL	0.00401
95% KM (z) UCL	0.0039	95% KM Bootstrap t UCL	0.00441
90% KM Chebyshev UCL	0.00529	95% KM Chebyshev UCL	0.0067
97.5% KM Chebyshev UCL	0.00864	99% KM Chebyshev UCL	0.0125

Gamma GOF Tests on Detected Observations Only

A-D Test Statistic	0.308	Anderson-Darling GOF Test
5% A-D Critical Value	0.721	Detected data appear Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.165	Kolmogorov-Smirnov GOF
5% K-S Critical Value	0.317	Detected data appear Gamma Distributed at 5% Significance Level

Detected data appear Gamma Distributed at 5% Significance Level

Gamma Statistics on Detected Data Only

k hat (MLE)	1.521	k star (bias corrected MLE)	0.964
Theta hat (MLE)	0.0649	Theta star (bias corrected MLE)	0.102
nu hat (MLE)	21.29	nu star (bias corrected)	13.5
Mean (detects)	0.0987		

Gamma ROS Statistics using Imputed Non-Detects

GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs

GROS may not be used when kstar of detects is small such as <1.0, especially when the sample size is small (e.g., <15-20)

For such situations, GROS method may yield incorrect values of UCLs and BTVs

This is especially true when the sample size is small.

For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates

Minimum	0.01	Mean	0.0118
Maximum	0.241	Median	0.01
SD	0.0167	CV	1.416
k hat (MLE)	4.114	k star (bias corrected MLE)	4.08
Theta hat (MLE)	0.00287	Theta star (bias corrected MLE)	0.00289
nu hat (MLE)	2839	nu star (bias corrected)	2815
Adjusted Level of Significance (β)	0.0493		
Approximate Chi Square Value (N/A, α)	2693	Adjusted Chi Square Value (N/A, β)	2692
95% Gamma Approximate UCL (use when $n \geq 50$)	0.0123	95% Gamma Adjusted UCL (use when $n < 50$)	0.0123

Estimates of Gamma Parameters using KM Estimates

Mean (KM)	0.0022	SD (KM)	0.0177
Variance (KM)	3.1467E-4	SE of Mean (KM)	0.00103
k hat (KM)	0.0154	k star (KM)	0.0172
nu hat (KM)	10.6	nu star (KM)	11.84
theta hat (KM)	0.143	theta star (KM)	0.128
80% gamma percentile (KM)	1.6473E-7	90% gamma percentile (KM)	1.5761E-4
95% gamma percentile (KM)	0.00378	99% gamma percentile (KM)	0.0622

Gamma Kaplan-Meier (KM) Statistics

Approximate Chi Square Value (11.84, α)	5.124	Adjusted Chi Square Value (11.84, β)	5.105
95% Gamma Approximate KM-UCL (use when $n \geq 50$)	0.00508	95% Gamma Adjusted KM-UCL (use when $n < 50$)	0.0051

Lognormal GOF Test on Detected Observations Only

Shapiro Wilk Test Statistic	0.92	Shapiro Wilk GOF Test	
5% Shapiro Wilk Critical Value	0.803	Detected Data appear Lognormal at 5% Significance Level	
Lilliefors Test Statistic	0.17	Lilliefors GOF Test	
5% Lilliefors Critical Value	0.304	Detected Data appear Lognormal at 5% Significance Level	

Detected Data appear Lognormal at 5% Significance Level

Lognormal ROS Statistics Using Imputed Non-Detects

Mean in Original Scale	0.00242	Mean in Log Scale	-11.55
SD in Original Scale	0.0178	SD in Log Scale	3.658
95% t UCL (assumes normality of ROS data)	0.004	95% Percentile Bootstrap UCL	0.00412
95% BCA Bootstrap UCL	0.00483	95% Bootstrap t UCL	0.00604
95% H-UCL (Log ROS)	0.0211		

Statistics using KM estimates on Logged Data and Assuming Lognormal Distribution

KM Mean (logged)	-8.399	KM Geo Mean	2.2515E-4
KM SD (logged)	0.833	95% Critical H Value (KM-Log)	1.996
KM Standard Error of Mean (logged)	0.0484	95% H-UCL (KM -Log)	3.4837E-4
KM SD (logged)	0.833	95% Critical H Value (KM-Log)	1.996
KM Standard Error of Mean (logged)	0.0484		

DL/2 Statistics

DL/2 Normal		DL/2 Log-Transformed	
Mean in Original Scale	0.00527	Mean in Log Scale	-6.535
SD in Original Scale	0.0176	SD in Log Scale	1.911
95% t UCL (Assumes normality)	0.00683	95% H-Stat UCL	0.0123

DL/2 is not a recommended method, provided for comparisons and historical reasons

Nonparametric Distribution Free UCL Statistics
Detected Data appear Normal Distributed at 5% Significance Level

Suggested UCL to Use

95% KM (t) UCL 0.0039

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

Recommendations are based upon data size, data distribution, and skewness.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

Appendix B-2

Chromium Statistical Output
(0-14 feet below ground surface)

UCL Statistics for Data Sets with Non-Detects

User Selected Options

Date/Time of Computation ProUCL 5.112/19/2017 10:11:40 AM
 From File ProUCL_chromium_45.xls
 Full Precision OFF
 Confidence Coefficient 95%
 Number of Bootstrap Operations 2000

Result_DL_mgkg (chromium)

General Statistics

Total Number of Observations	113	Number of Distinct Observations	93
		Number of Missing Observations	0
Minimum	6.6	Mean	26.87
Maximum	157	Median	26.4
SD	15.47	Std. Error of Mean	1.455
Coefficient of Variation	0.576	Skewness	5.548

Normal GOF Test

Shapiro Wilk Test Statistic 0.615
 5% Shapiro Wilk P Value 0
 Lilliefors Test Statistic 0.24
 5% Lilliefors Critical Value 0.0837

Shapiro Wilk GOF Test

Data Not Normal at 5% Significance Level

Lilliefors GOF Test

Data Not Normal at 5% Significance Level

Data Not Normal at 5% Significance Level

Assuming Normal Distribution

95% Normal UCL

95% Student's-t UCL 29.28

95% UCLs (Adjusted for Skewness)

95% Adjusted-CLT UCL (Chen-1995) 30.07
 95% Modified-t UCL (Johnson-1978) 29.41

Gamma GOF Test

A-D Test Statistic 3.155
 5% A-D Critical Value 0.755
 K-S Test Statistic 0.163
 5% K-S Critical Value 0.0862

Anderson-Darling Gamma GOF Test

Data Not Gamma Distributed at 5% Significance Level

Kolmogorov-Smirnov Gamma GOF Test

Data Not Gamma Distributed at 5% Significance Level

Data Not Gamma Distributed at 5% Significance Level

Gamma Statistics

k hat (MLE)	5.06	k star (bias corrected MLE)	4.932
Theta hat (MLE)	5.309	Theta star (bias corrected MLE)	5.448
nu hat (MLE)	1144	nu star (bias corrected)	1115
MLE Mean (bias corrected)	26.87	MLE Sd (bias corrected)	12.1
		Approximate Chi Square Value (0.05)	1038
Adjusted Level of Significance	0.0479	Adjusted Chi Square Value	1037

Assuming Gamma Distribution

95% Approximate Gamma UCL (use when $n \geq 50$) 28.85 95% Adjusted Gamma UCL (use when $n < 50$) 28.87

Lognormal GOF Test

Shapiro Wilk Test Statistic 0.902
 5% Shapiro Wilk P Value 4.716E-10
 Lilliefors Test Statistic 0.151
 5% Lilliefors Critical Value 0.0837

Shapiro Wilk Lognormal GOF Test
 Data Not Lognormal at 5% Significance Level
Lilliefors Lognormal GOF Test
 Data Not Lognormal at 5% Significance Level

Data Not Lognormal at 5% Significance Level

Lognormal Statistics

Minimum of Logged Data	1.887	Mean of logged Data	3.189
Maximum of Logged Data	5.056	SD of logged Data	0.45

Assuming Lognormal Distribution

95% H-UCL	28.99	90% Chebyshev (MVUE) UCL	30.39
95% Chebyshev (MVUE) UCL	32	97.5% Chebyshev (MVUE) UCL	34.24
99% Chebyshev (MVUE) UCL	38.64		

Nonparametric Distribution Free UCL Statistics

Data do not follow a Discernible Distribution (0.05)

Nonparametric Distribution Free UCLs

95% CLT UCL	29.26	95% Jackknife UCL	29.28
95% Standard Bootstrap UCL	29.31	95% Bootstrap-t UCL	30.61
95% Hall's Bootstrap UCL	41.22	95% Percentile Bootstrap UCL	29.45
95% BCA Bootstrap UCL	30.11		
90% Chebyshev(Mean, Sd) UCL	31.23	95% Chebyshev(Mean, Sd) UCL	33.21
97.5% Chebyshev(Mean, Sd) UCL	35.95	99% Chebyshev(Mean, Sd) UCL	41.35

Suggested UCL to Use

95% Student's-t UCL	29.28	or 95% Modified-t UCL	29.41
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Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

Recommendations are based upon data size, data distribution, and skewness.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

Appendix B-3

Chromium Statistical Output
(14-45 feet below ground surface)

UCL Statistics for Data Sets with Non-Detects

User Selected Options

Date/Time of Computation ProUCL 5.112/19/2017 10:11:52 AM
 From File ProUCL_chromium_45_a.xls
 Full Precision OFF
 Confidence Coefficient 95%
 Number of Bootstrap Operations 2000

Result_DL_mgkg (chromium)

General Statistics

Total Number of Observations	64	Number of Distinct Observations	58
		Number of Missing Observations	0
Minimum	10	Mean	25.73
Maximum	67.7	Median	25.9
SD	10.5	Std. Error of Mean	1.312
Coefficient of Variation	0.408	Skewness	1.889

Normal GOF Test

Shapiro Wilk Test Statistic 0.82
 5% Shapiro Wilk P Value 2.079E-10
 Lilliefors Test Statistic 0.194
 5% Lilliefors Critical Value 0.111

Shapiro Wilk GOF Test

Data Not Normal at 5% Significance Level

Lilliefors GOF Test

Data Not Normal at 5% Significance Level

Data Not Normal at 5% Significance Level

Assuming Normal Distribution

95% Normal UCL

95% Student's-t UCL 27.92

95% UCLs (Adjusted for Skewness)

95% Adjusted-CLT UCL (Chen-1995) 28.22
 95% Modified-t UCL (Johnson-1978) 27.97

Gamma GOF Test

A-D Test Statistic 1.461
 5% A-D Critical Value 0.752
 K-S Test Statistic 0.151
 5% K-S Critical Value 0.112

Anderson-Darling Gamma GOF Test

Data Not Gamma Distributed at 5% Significance Level

Kolmogorov-Smirnov Gamma GOF Test

Data Not Gamma Distributed at 5% Significance Level

Data Not Gamma Distributed at 5% Significance Level

Gamma Statistics

k hat (MLE)	7.234	k star (bias corrected MLE)	6.905
Theta hat (MLE)	3.556	Theta star (bias corrected MLE)	3.725
nu hat (MLE)	925.9	nu star (bias corrected)	883.9
MLE Mean (bias corrected)	25.73	MLE Sd (bias corrected)	9.79
		Approximate Chi Square Value (0.05)	815.9
Adjusted Level of Significance	0.0463	Adjusted Chi Square Value	814.4

Assuming Gamma Distribution

95% Approximate Gamma UCL (use when $n \geq 50$) 27.87 95% Adjusted Gamma UCL (use when $n < 50$) 27.92

Lognormal GOF Test

Shapiro Wilk Test Statistic	0.938
5% Shapiro Wilk P Value	0.00459
Lilliefors Test Statistic	0.14
5% Lilliefors Critical Value	0.111

Shapiro Wilk Lognormal GOF Test
Data Not Lognormal at 5% Significance Level

Lilliefors Lognormal GOF Test
Data Not Lognormal at 5% Significance Level

Data Not Lognormal at 5% Significance Level

Lognormal Statistics

Minimum of Logged Data	2.303	Mean of logged Data	3.177
Maximum of Logged Data	4.215	SD of logged Data	0.376

Assuming Lognormal Distribution

95% H-UCL	28	90% Chebyshev (MVUE) UCL	29.43
95% Chebyshev (MVUE) UCL	31.12	97.5% Chebyshev (MVUE) UCL	33.46
99% Chebyshev (MVUE) UCL	38.07		

Nonparametric Distribution Free UCL Statistics

Data do not follow a Discernible Distribution (0.05)

Nonparametric Distribution Free UCLs

95% CLT UCL	27.88	95% Jackknife UCL	27.92
95% Standard Bootstrap UCL	27.84	95% Bootstrap-t UCL	28.47
95% Hall's Bootstrap UCL	28.59	95% Percentile Bootstrap UCL	27.86
95% BCA Bootstrap UCL	28.31		
90% Chebyshev(Mean, Sd) UCL	29.66	95% Chebyshev(Mean, Sd) UCL	31.45
97.5% Chebyshev(Mean, Sd) UCL	33.92	99% Chebyshev(Mean, Sd) UCL	38.78

Suggested UCL to Use

95% Student's-t UCL	27.92	or 95% Modified-t UCL	27.97
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Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

Recommendations are based upon data size, data distribution, and skewness.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

Appendix B-4
Soil Vapor Statistical Output
(14-45 feet below ground surface)

UCL Statistics for Data Sets with Non-Detects

User Selected Options

Date/Time of Computation ProUCL 5.112/20/2017 1:07:10 PM
 From File ProUCL_input_12.15.17_45_a.xls
 Full Precision OFF
 Confidence Coefficient 95%
 Number of Bootstrap Operations 2000

SV_ugm3 (1,1-dce)

General Statistics

Total Number of Observations	18	Number of Distinct Observations	8
Number of Detects	7	Number of Non-Detects	11
Number of Distinct Detects	7	Number of Distinct Non-Detects	1
Minimum Detect	13.6	Minimum Non-Detect	5
Maximum Detect	462	Maximum Non-Detect	5
Variance Detects	22730	Percent Non-Detects	61.11%
Mean Detects	135.6	SD Detects	150.8
Median Detects	103	CV Detects	1.112
Skewness Detects	2.147	Kurtosis Detects	5.183
Mean of Logged Detects	4.406	SD of Logged Detects	1.153

Normal GOF Test on Detects Only

Shapiro Wilk Test Statistic	0.72	Shapiro Wilk GOF Test
5% Shapiro Wilk Critical Value	0.803	Detected Data Not Normal at 5% Significance Level
Lilliefors Test Statistic	0.361	Lilliefors GOF Test
5% Lilliefors Critical Value	0.304	Detected Data Not Normal at 5% Significance Level

Detected Data Not Normal at 5% Significance Level

Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs

KM Mean	55.8	KM Standard Error of Mean	27.46
KM SD	107.9	95% KM (BCA) UCL	100.2
95% KM (t) UCL	103.6	95% KM (Percentile Bootstrap) UCL	102.8
95% KM (z) UCL	101	95% KM Bootstrap t UCL	149.4
90% KM Chebyshev UCL	138.2	95% KM Chebyshev UCL	175.5
97.5% KM Chebyshev UCL	227.3	99% KM Chebyshev UCL	329

Gamma GOF Tests on Detected Observations Only

A-D Test Statistic	0.454	Anderson-Darling GOF Test
5% A-D Critical Value	0.726	Detected data appear Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.237	Kolmogorov-Smirnov GOF
5% K-S Critical Value	0.319	Detected data appear Gamma Distributed at 5% Significance Level

Detected data appear Gamma Distributed at 5% Significance Level

Gamma Statistics on Detected Data Only

k hat (MLE)	1.131	k star (bias corrected MLE)	0.741
Theta hat (MLE)	120	Theta star (bias corrected MLE)	183
nu hat (MLE)	15.83	nu star (bias corrected)	10.38
Mean (detects)	135.6		

Gamma ROS Statistics using Imputed Non-Detects

GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs

GROS may not be used when kstar of detects is small such as <1.0, especially when the sample size is small (e.g., <15-20)

For such situations, GROS method may yield incorrect values of UCLs and BTVs

This is especially true when the sample size is small.

For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates

Minimum	0.01	Mean	52.75
Maximum	462	Median	0.01
SD	112.5	CV	2.132
k hat (MLE)	0.151	k star (bias corrected MLE)	0.163
Theta hat (MLE)	348.2	Theta star (bias corrected MLE)	323.1
nu hat (MLE)	5.454	nu star (bias corrected)	5.878
Adjusted Level of Significance (β)	0.0357		
Approximate Chi Square Value (5.88, α)	1.578	Adjusted Chi Square Value (5.88, β)	1.375
95% Gamma Approximate UCL (use when $n \geq 50$)	196.5	95% Gamma Adjusted UCL (use when $n < 50$)	225.5

Estimates of Gamma Parameters using KM Estimates

Mean (KM)	55.8	SD (KM)	107.9
Variance (KM)	11632	SE of Mean (KM)	27.46
k hat (KM)	0.268	k star (KM)	0.26
nu hat (KM)	9.637	nu star (KM)	9.364
theta hat (KM)	208.5	theta star (KM)	214.5
80% gamma percentile (KM)	82.15	90% gamma percentile (KM)	167
95% gamma percentile (KM)	266.9	99% gamma percentile (KM)	531.4

Gamma Kaplan-Meier (KM) Statistics

Approximate Chi Square Value (9.36, α)	3.548	Adjusted Chi Square Value (9.36, β)	3.212
95% Gamma Approximate KM-UCL (use when $n \geq 50$)	147.3	95% Gamma Adjusted KM-UCL (use when $n < 50$)	162.7

Lognormal GOF Test on Detected Observations Only

Shapiro Wilk Test Statistic	0.918	Shapiro Wilk GOF Test
5% Shapiro Wilk Critical Value	0.803	Detected Data appear Lognormal at 5% Significance Level
Lilliefors Test Statistic	0.289	Lilliefors GOF Test
5% Lilliefors Critical Value	0.304	Detected Data appear Lognormal at 5% Significance Level

Detected Data appear Lognormal at 5% Significance Level

Lognormal ROS Statistics Using Imputed Non-Detects

Mean in Original Scale	55.17	Mean in Log Scale	2.169
SD in Original Scale	111.3	SD in Log Scale	2.218
95% t UCL (assumes normality of ROS data)	100.8	95% Percentile Bootstrap UCL	100.7
95% BCA Bootstrap UCL	130.6	95% Bootstrap t UCL	162.8
95% H-UCL (Log ROS)	1290		

Statistics using KM estimates on Logged Data and Assuming Lognormal Distribution

KM Mean (logged)	2.697	KM Geo Mean	14.84
KM SD (logged)	1.517	95% Critical H Value (KM-Log)	3.463
KM Standard Error of Mean (logged)	0.386	95% H-UCL (KM -Log)	167.8
KM SD (logged)	1.517	95% Critical H Value (KM-Log)	3.463
KM Standard Error of Mean (logged)	0.386		

DL/2 Normal

Mean in Original Scale 54.27
 SD in Original Scale 111.7
 95% t UCL (Assumes normality) 100.1

DL/2 Log-Transformed

Mean in Log Scale 2.274
 SD in Log Scale 1.88
 95% H-Stat UCL 368.4

DL/2 is not a recommended method, provided for comparisons and historical reasons

Nonparametric Distribution Free UCL Statistics

Detected Data appear Gamma Distributed at 5% Significance Level

Suggested UCL to Use

Adjusted KM-UCL (use when $k \leq 1$ and $15 < n < 50$ but $k \leq 1$) 162.7

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

Recommendations are based upon data size, data distribution, and skewness.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

SV_ugm3 (benzene)**General Statistics**

Total Number of Observations	18	Number of Distinct Observations	1
Number of Detects	0	Number of Non-Detects	18
Number of Distinct Detects	0	Number of Distinct Non-Detects	1

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!

Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!

The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable SV_ugm3 (benzene) was not processed!

SV_ugm3 (pce)**General Statistics**

Total Number of Observations	18	Number of Distinct Observations	17
		Number of Missing Observations	0
Minimum	2290	Mean	1092388
Maximum	8030000	Median	13960
SD	2165357	Std. Error of Mean	510379
Coefficient of Variation	1.982	Skewness	2.509

Normal GOF Test

Shapiro Wilk Test Statistic 0.582
 5% Shapiro Wilk Critical Value 0.897
 Lilliefors Test Statistic 0.355
 5% Lilliefors Critical Value 0.202

Shapiro Wilk GOF Test

Data Not Normal at 5% Significance Level

Lilliefors GOF Test

Data Not Normal at 5% Significance Level

Data Not Normal at 5% Significance Level

Assuming Normal Distribution

95% Normal UCL

95% UCLs (Adjusted for Skewness)

95% Student's-t UCL 1980248

95% Adjusted-CLT UCL (Chen-1995) 2254365

95% Modified-t UCL (Johnson-1978) 2030548

Gamma GOF Test

A-D Test Statistic 1.913
 5% A-D Critical Value 0.874
 K-S Test Statistic 0.337
 5% K-S Critical Value 0.224

Anderson-Darling Gamma GOF Test

Data Not Gamma Distributed at 5% Significance Level

Kolmogorov-Smirnov Gamma GOF Test

Data Not Gamma Distributed at 5% Significance Level

Data Not Gamma Distributed at 5% Significance Level**Gamma Statistics**

k hat (MLE) 0.233
 Theta hat (MLE) 4698173
 nu hat (MLE) 8.37
 MLE Mean (bias corrected) 1092388
 Adjusted Level of Significance 0.0357

k star (bias corrected MLE) 0.231
 Theta star (bias corrected MLE) 4733088
 nu star (bias corrected) 8.309
 MLE Sd (bias corrected) 2273845
 Approximate Chi Square Value (0.05) 2.915
 Adjusted Chi Square Value 2.616

Assuming Gamma Distribution95% Approximate Gamma UCL (use when $n \geq 50$) 311359095% Adjusted Gamma UCL (use when $n < 50$) 3468934**Lognormal GOF Test**

Shapiro Wilk Test Statistic 0.806
 5% Shapiro Wilk Critical Value 0.897
 Lilliefors Test Statistic 0.251
 5% Lilliefors Critical Value 0.202

Shapiro Wilk Lognormal GOF Test

Data Not Lognormal at 5% Significance Level

Lilliefors Lognormal GOF Test

Data Not Lognormal at 5% Significance Level

Data Not Lognormal at 5% Significance Level**Lognormal Statistics**

Minimum of Logged Data 7.736
 Maximum of Logged Data 15.9

Mean of logged Data 10.81
 SD of logged Data 2.954

Assuming Lognormal Distribution

95% H-UCL 3.071E+8
 95% Chebyshev (MVUE) UCL 7435707
 99% Chebyshev (MVUE) UCL 14837547

90% Chebyshev (MVUE) UCL 5636674
 97.5% Chebyshev (MVUE) UCL 9932696

Nonparametric Distribution Free UCL Statistics**Data do not follow a Discernible Distribution (0.05)****Nonparametric Distribution Free UCLs**

95% CLT UCL 1931888
 95% Standard Bootstrap UCL 1898777
 95% Hall's Bootstrap UCL 5724239
 95% BCA Bootstrap UCL 2262617
 90% Chebyshev(Mean, Sd) UCL 2623527
 97.5% Chebyshev(Mean, Sd) UCL 4279707

95% Jackknife UCL 1980248
 95% Bootstrap-t UCL 3247559
 95% Percentile Bootstrap UCL 2005477
 95% Chebyshev(Mean, Sd) UCL 3317081
 99% Chebyshev(Mean, Sd) UCL 6170600

Suggested UCL to Use

99% Chebyshev (Mean, Sd) UCL 6170600

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

Recommendations are based upon data size, data distribution, and skewness.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

SV_ugm3 (tce)

General Statistics

Total Number of Observations	18	Number of Distinct Observations	18
Number of Detects	17	Number of Non-Detects	1
Number of Distinct Detects	17	Number of Distinct Non-Detects	1
Minimum Detect	13.2	Minimum Non-Detect	3
Maximum Detect	18900	Maximum Non-Detect	3
Variance Detects	22061428	Percent Non-Detects	5.556%
Mean Detects	2906	SD Detects	4697
Median Detects	1160	CV Detects	1.616
Skewness Detects	2.736	Kurtosis Detects	8.766
Mean of Logged Detects	6.034	SD of Logged Detects	2.606

Normal GOF Test on Detects Only

Shapiro Wilk Test Statistic	0.651	Shapiro Wilk GOF Test
5% Shapiro Wilk Critical Value	0.892	Detected Data Not Normal at 5% Significance Level
Lilliefors Test Statistic	0.269	Lilliefors GOF Test
5% Lilliefors Critical Value	0.207	Detected Data Not Normal at 5% Significance Level

Detected Data Not Normal at 5% Significance Level

Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs

KM Mean	2745	KM Standard Error of Mean	1088
KM SD	4478	95% KM (BCA) UCL	4763
95% KM (t) UCL	4637	95% KM (Percentile Bootstrap) UCL	4688
95% KM (z) UCL	4534	95% KM Bootstrap t UCL	6641
90% KM Chebyshev UCL	6009	95% KM Chebyshev UCL	7487
97.5% KM Chebyshev UCL	9539	99% KM Chebyshev UCL	13570

Gamma GOF Tests on Detected Observations Only

A-D Test Statistic	0.781	Anderson-Darling GOF Test
5% A-D Critical Value	0.831	Detected data appear Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.187	Kolmogorov-Smirnov GOF
5% K-S Critical Value	0.225	Detected data appear Gamma Distributed at 5% Significance Level

Detected data appear Gamma Distributed at 5% Significance Level

Gamma Statistics on Detected Data Only

k hat (MLE)	0.347	k star (bias corrected MLE)	0.325
Theta hat (MLE)	8374	Theta star (bias corrected MLE)	8941
nu hat (MLE)	11.8	nu star (bias corrected)	11.05
Mean (detects)	2906		

Gamma ROS Statistics using Imputed Non-Detects

GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs

GROS may not be used when kstar of detects is small such as <1.0, especially when the sample size is small (e.g., <15-20)

For such situations, GROS method may yield incorrect values of UCLs and BTVs

This is especially true when the sample size is small.

For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates

Minimum	0.01	Mean	2745
Maximum	18900	Median	669
SD	4608	CV	1.679
k hat (MLE)	0.282	k star (bias corrected MLE)	0.272
Theta hat (MLE)	9747	Theta star (bias corrected MLE)	10102
nu hat (MLE)	10.14	nu star (bias corrected)	9.781
Adjusted Level of Significance (β)	0.0357		
Approximate Chi Square Value (9.78, α)	3.806	Adjusted Chi Square Value (9.78, β)	3.455
95% Gamma Approximate UCL (use when $n \geq 50$)	7055	95% Gamma Adjusted UCL (use when $n < 50$)	7771

Estimates of Gamma Parameters using KM Estimates

Mean (KM)	2745	SD (KM)	4478
Variance (KM)	20052387	SE of Mean (KM)	1088
k hat (KM)	0.376	k star (KM)	0.35
nu hat (KM)	13.53	nu star (KM)	12.61
theta hat (KM)	7305	theta star (KM)	7839
80% gamma percentile (KM)	4347	90% gamma percentile (KM)	7926
95% gamma percentile (KM)	11934	99% gamma percentile (KM)	22162

Gamma Kaplan-Meier (KM) Statistics

Approximate Chi Square Value (12.61, α)	5.628	Adjusted Chi Square Value (12.61, β)	5.186
95% Gamma Approximate KM-UCL (use when $n \geq 50$)	6147	95% Gamma Adjusted KM-UCL (use when $n < 50$)	6672

Lognormal GOF Test on Detected Observations Only

Shapiro Wilk Test Statistic	0.864	Shapiro Wilk GOF Test
5% Shapiro Wilk Critical Value	0.892	Detected Data Not Lognormal at 5% Significance Level
Lilliefors Test Statistic	0.216	Lilliefors GOF Test
5% Lilliefors Critical Value	0.207	Detected Data Not Lognormal at 5% Significance Level

Detected Data Not Lognormal at 5% Significance Level

Lognormal ROS Statistics Using Imputed Non-Detects

Mean in Original Scale	2745	Mean in Log Scale	5.691
SD in Original Scale	4608	SD in Log Scale	2.918
95% t UCL (assumes normality of ROS data)	4634	95% Percentile Bootstrap UCL	4693
95% BCA Bootstrap UCL	5240	95% Bootstrap t UCL	6536
95% H-UCL (Log ROS)	1481648		

Statistics using KM estimates on Logged Data and Assuming Lognormal Distribution

KM Mean (logged)	5.76	KM Geo Mean	317.4
KM SD (logged)	2.704	95% Critical H Value (KM-Log)	5.619
KM Standard Error of Mean (logged)	0.657	95% H-UCL (KM -Log)	490092
KM SD (logged)	2.704	95% Critical H Value (KM-Log)	5.619
KM Standard Error of Mean (logged)	0.657		

DL/2 Statistics

DL/2 Normal

Mean in Original Scale	2745
SD in Original Scale	4608
95% t UCL (Assumes normality)	4634

DL/2 Log-Transformed

Mean in Log Scale	5.722
SD in Log Scale	2.855
95% H-Stat UCL	1071347

DL/2 is not a recommended method, provided for comparisons and historical reasons

Nonparametric Distribution Free UCL Statistics

Detected Data appear Gamma Distributed at 5% Significance Level

Suggested UCL to Use

Adjusted KM-UCL (use when $k \leq 1$ and $15 < n < 50$ but $k \leq 1$) 6672

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

Recommendations are based upon data size, data distribution, and skewness.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

SV_ugm3 (vinyl chloride)

General Statistics

Total Number of Observations	18	Number of Distinct Observations	1
Number of Detects	0	Number of Non-Detects	18
Number of Distinct Detects	0	Number of Distinct Non-Detects	1

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!

Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!

The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable SV_ugm3 (vinyl chloride) was not processed!

Appendix B-5

Soil Vapor Statistical Output

(45-100 feet below ground surface)

UCL Statistics for Data Sets with Non-Detects

User Selected Options

Date/Time of Computation ProUCL 5.112/20/2017 1:07:41 PM
 From File ProUCL_input_12.15.17_45_b.xls
 Full Precision OFF
 Confidence Coefficient 95%
 Number of Bootstrap Operations 2000

SV_ugm3 (1,1,1,2-tetrachloroethane)

General Statistics

Total Number of Observations	14	Number of Distinct Observations	7
Number of Detects	6	Number of Non-Detects	8
Number of Distinct Detects	6	Number of Distinct Non-Detects	1
Minimum Detect	11.1	Minimum Non-Detect	4
Maximum Detect	587	Maximum Non-Detect	4
Variance Detects	63289	Percent Non-Detects	57.14%
Mean Detects	233.1	SD Detects	251.6
Median Detects	127.5	CV Detects	1.079
Skewness Detects	0.848	Kurtosis Detects	-1.663
Mean of Logged Detects	4.694	SD of Logged Detects	1.553

Normal GOF Test on Detects Only

Shapiro Wilk Test Statistic	0.81	Shapiro Wilk GOF Test
5% Shapiro Wilk Critical Value	0.788	Detected Data appear Normal at 5% Significance Level
Lilliefors Test Statistic	0.324	Lilliefors GOF Test
5% Lilliefors Critical Value	0.325	Detected Data appear Normal at 5% Significance Level

Detected Data appear Normal at 5% Significance Level

Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs

KM Mean	102.2	KM Standard Error of Mean	55.13
KM SD	188.3	95% KM (BCA) UCL	188.3
95% KM (t) UCL	199.8	95% KM (Percentile Bootstrap) UCL	191.7
95% KM (z) UCL	192.9	95% KM Bootstrap t UCL	362.8
90% KM Chebyshev UCL	267.6	95% KM Chebyshev UCL	342.5
97.5% KM Chebyshev UCL	446.4	99% KM Chebyshev UCL	650.7

Gamma GOF Tests on Detected Observations Only

A-D Test Statistic	0.327	Anderson-Darling GOF Test
5% A-D Critical Value	0.72	Detected data appear Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.211	Kolmogorov-Smirnov GOF
5% K-S Critical Value	0.343	Detected data appear Gamma Distributed at 5% Significance Level

Detected data appear Gamma Distributed at 5% Significance Level

Gamma Statistics on Detected Data Only

k hat (MLE)	0.786	k star (bias corrected MLE)	0.504
Theta hat (MLE)	296.6	Theta star (bias corrected MLE)	462.4
nu hat (MLE)	9.43	nu star (bias corrected)	6.049
Mean (detects)	233.1		

Gamma ROS Statistics using Imputed Non-Detects

GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs

GROS may not be used when kstar of detects is small such as <1.0, especially when the sample size is small (e.g., <15-20)

For such situations, GROS method may yield incorrect values of UCLs and BTVs

This is especially true when the sample size is small.

For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates

Minimum	0.01	Mean	99.9
Maximum	587	Median	0.01
SD	196.6	CV	1.968
k hat (MLE)	0.147	k star (bias corrected MLE)	0.164
Theta hat (MLE)	677.3	Theta star (bias corrected MLE)	611
nu hat (MLE)	4.13	nu star (bias corrected)	4.578
Adjusted Level of Significance (β)	0.0312		
Approximate Chi Square Value (4.58, α)	0.963	Adjusted Chi Square Value (4.58, β)	0.766
95% Gamma Approximate UCL (use when $n \geq 50$)	475.2	95% Gamma Adjusted UCL (use when $n < 50$)	597.2

Estimates of Gamma Parameters using KM Estimates

Mean (KM)	102.2	SD (KM)	188.3
Variance (KM)	35455	SE of Mean (KM)	55.13
k hat (KM)	0.294	k star (KM)	0.279
nu hat (KM)	8.245	nu star (KM)	7.812
theta hat (KM)	347	theta star (KM)	366.2
80% gamma percentile (KM)	153.7	90% gamma percentile (KM)	303.8
95% gamma percentile (KM)	478.3	99% gamma percentile (KM)	936

Gamma Kaplan-Meier (KM) Statistics

Approximate Chi Square Value (7.81, α)	2.626	Adjusted Chi Square Value (7.81, β)	2.245
95% Gamma Approximate KM-UCL (use when $n \geq 50$)	303.9	95% Gamma Adjusted KM-UCL (use when $n < 50$)	355.6

Lognormal GOF Test on Detected Observations Only

Shapiro Wilk Test Statistic	0.926	Shapiro Wilk GOF Test
5% Shapiro Wilk Critical Value	0.788	Detected Data appear Lognormal at 5% Significance Level
Lilliefors Test Statistic	0.199	Lilliefors GOF Test
5% Lilliefors Critical Value	0.325	Detected Data appear Lognormal at 5% Significance Level

Detected Data appear Lognormal at 5% Significance Level

Lognormal ROS Statistics Using Imputed Non-Detects

Mean in Original Scale	101.1	Mean in Log Scale	1.891
SD in Original Scale	196	SD in Log Scale	2.977
95% t UCL (assumes normality of ROS data)	193.8	95% Percentile Bootstrap UCL	190.5
95% BCA Bootstrap UCL	238.1	95% Bootstrap t UCL	440.4
95% H-UCL (Log ROS)	140237		

Statistics using KM estimates on Logged Data and Assuming Lognormal Distribution

KM Mean (logged)	2.804	KM Geo Mean	16.51
KM SD (logged)	1.882	95% Critical H Value (KM-Log)	4.437
KM Standard Error of Mean (logged)	0.551	95% H-UCL (KM -Log)	983.1
KM SD (logged)	1.882	95% Critical H Value (KM-Log)	4.437
KM Standard Error of Mean (logged)	0.551		

DL/2 Normal

Mean in Original Scale	101
SD in Original Scale	196
95% t UCL (Assumes normality)	193.8

DL/2 Log-Transformed

Mean in Log Scale	2.408
SD in Log Scale	2.269
95% H-Stat UCL	3904

DL/2 is not a recommended method, provided for comparisons and historical reasons

Nonparametric Distribution Free UCL Statistics

Detected Data appear Normal Distributed at 5% Significance Level

Suggested UCL to Use

95% KM (t) UCL	199.8
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Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

Recommendations are based upon data size, data distribution, and skewness.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

SV_ugm3 (1,1-dce)**General Statistics**

Total Number of Observations	14	Number of Distinct Observations	14
Number of Detects	13	Number of Non-Detects	1
Number of Distinct Detects	13	Number of Distinct Non-Detects	1
Minimum Detect	22.1	Minimum Non-Detect	5
Maximum Detect	3840	Maximum Non-Detect	5
Variance Detects	1072778	Percent Non-Detects	7.143%
Mean Detects	684.1	SD Detects	1036
Median Detects	205	CV Detects	1.514
Skewness Detects	2.687	Kurtosis Detects	8.066
Mean of Logged Detects	5.623	SD of Logged Detects	1.479

Normal GOF Test on Detects Only

Shapiro Wilk Test Statistic	0.644
5% Shapiro Wilk Critical Value	0.866
Lilliefors Test Statistic	0.262
5% Lilliefors Critical Value	0.234

Shapiro Wilk GOF Test

Detected Data Not Normal at 5% Significance Level

Lilliefors GOF Test

Detected Data Not Normal at 5% Significance Level

Detected Data Not Normal at 5% Significance Level

Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs

KM Mean	635.6	KM Standard Error of Mean	271.1
KM SD	974.7	95% KM (BCA) UCL	1125
95% KM (t) UCL	1116	95% KM (Percentile Bootstrap) UCL	1112
95% KM (z) UCL	1082	95% KM Bootstrap t UCL	1735
90% KM Chebyshev UCL	1449	95% KM Chebyshev UCL	1817
97.5% KM Chebyshev UCL	2329	99% KM Chebyshev UCL	3333

Gamma GOF Tests on Detected Observations Only

A-D Test Statistic	0.365
5% A-D Critical Value	0.776
K-S Test Statistic	0.19
5% K-S Critical Value	0.247

Anderson-Darling GOF Test

Detected data appear Gamma Distributed at 5% Significance Level

Kolmogorov-Smirnov GOF

Detected data appear Gamma Distributed at 5% Significance Level

Detected data appear Gamma Distributed at 5% Significance Level**Gamma Statistics on Detected Data Only**

k hat (MLE)	0.671	k star (bias corrected MLE)	0.568
Theta hat (MLE)	1019	Theta star (bias corrected MLE)	1205
nu hat (MLE)	17.46	nu star (bias corrected)	14.76
Mean (detects)	684.1		

Gamma ROS Statistics using Imputed Non-Detects

GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs

GROS may not be used when kstar of detects is small such as <1.0, especially when the sample size is small (e.g., <15-20)

For such situations, GROS method may yield incorrect values of UCLs and BTVs

This is especially true when the sample size is small.

For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates

Minimum	0.01	Mean	635.2
Maximum	3840	Median	198.5
SD	1012	CV	1.593
k hat (MLE)	0.418	k star (bias corrected MLE)	0.376
Theta hat (MLE)	1518	Theta star (bias corrected MLE)	1688
nu hat (MLE)	11.71	nu star (bias corrected)	10.54
Adjusted Level of Significance (β)	0.0312		
Approximate Chi Square Value (10.54, α)	4.28	Adjusted Chi Square Value (10.54, β)	3.765
95% Gamma Approximate UCL (use when $n \geq 50$)	1564	95% Gamma Adjusted UCL (use when $n < 50$)	1778

Estimates of Gamma Parameters using KM Estimates

Mean (KM)	635.6	SD (KM)	974.7
Variance (KM)	950108	SE of Mean (KM)	271.1
k hat (KM)	0.425	k star (KM)	0.382
nu hat (KM)	11.9	nu star (KM)	10.69
theta hat (KM)	1495	theta star (KM)	1665
80% gamma percentile (KM)	1020	90% gamma percentile (KM)	1810
95% gamma percentile (KM)	2684	99% gamma percentile (KM)	4892

Gamma Kaplan-Meier (KM) Statistics

Approximate Chi Square Value (10.69, α)	4.375	Adjusted Chi Square Value (10.69, β)	3.853
95% Gamma Approximate KM-UCL (use when $n \geq 50$)	1552	95% Gamma Adjusted KM-UCL (use when $n < 50$)	1762

Lognormal GOF Test on Detected Observations Only

Shapiro Wilk Test Statistic	0.98	Shapiro Wilk GOF Test
5% Shapiro Wilk Critical Value	0.866	Detected Data appear Lognormal at 5% Significance Level
Lilliefors Test Statistic	0.119	Lilliefors GOF Test
5% Lilliefors Critical Value	0.234	Detected Data appear Lognormal at 5% Significance Level

Detected Data appear Lognormal at 5% Significance Level**Lognormal ROS Statistics Using Imputed Non-Detects**

Mean in Original Scale	635.7	Mean in Log Scale	5.362
SD in Original Scale	1011	SD in Log Scale	1.724
95% t UCL (assumes normality of ROS data)	1114	95% Percentile Bootstrap UCL	1136
95% BCA Bootstrap UCL	1365	95% Bootstrap t UCL	1697
95% H-UCL (Log ROS)	6764		

Statistics using KM estimates on Logged Data and Assuming Lognormal Distribution

KM Mean (logged)	5.336	KM Geo Mean	207.7
KM SD (logged)	1.716	95% Critical H Value (KM-Log)	4.109
KM Standard Error of Mean (logged)	0.477	95% H-UCL (KM -Log)	6397
KM SD (logged)	1.716	95% Critical H Value (KM-Log)	4.109
KM Standard Error of Mean (logged)	0.477		

DL/2 Statistics

DL/2 Normal

Mean in Original Scale	635.4
SD in Original Scale	1012
95% t UCL (Assumes normality)	1114

DL/2 Log-Transformed

Mean in Log Scale	5.287
SD in Log Scale	1.898
95% H-Stat UCL	12592

DL/2 is not a recommended method, provided for comparisons and historical reasons

Nonparametric Distribution Free UCL Statistics

Detected Data appear Gamma Distributed at 5% Significance Level

Suggested UCL to Use

95% KM Bootstrap t UCL	1735	Adjusted KM-UCL (use when $k \leq 1$ and $15 < n < 50$ but $k \leq 1$)	1762
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Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

Recommendations are based upon data size, data distribution, and skewness.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

SV_ugm3 (benzene)

General Statistics

Total Number of Observations	14	Number of Distinct Observations	3
Number of Detects	2	Number of Non-Detects	12
Number of Distinct Detects	2	Number of Distinct Non-Detects	1
Minimum Detect	4	Minimum Non-Detect	3
Maximum Detect	7	Maximum Non-Detect	3
Variance Detects	4.5	Percent Non-Detects	85.71%
Mean Detects	5.5	SD Detects	2.121
Median Detects	5.5	CV Detects	0.386
Skewness Detects	N/A	Kurtosis Detects	N/A
Mean of Logged Detects	1.666	SD of Logged Detects	0.396

Warning: Data set has only 2 Detected Values.

This is not enough to compute meaningful or reliable statistics and estimates.

Normal GOF Test on Detects Only

Not Enough Data to Perform GOF Test

Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs

KM Mean	3.357	KM Standard Error of Mean	0.394
KM SD	1.042	95% KM (BCA) UCL	N/A
95% KM (t) UCL	4.055	95% KM (Percentile Bootstrap) UCL	N/A
95% KM (z) UCL	4.005	95% KM Bootstrap t UCL	N/A

90% KM Chebyshev UCL	4.539	95% KM Chebyshev UCL	5.075
97.5% KM Chebyshev UCL	5.818	99% KM Chebyshev UCL	7.278

Gamma GOF Tests on Detected Observations Only

Not Enough Data to Perform GOF Test

Gamma Statistics on Detected Data Only

k hat (MLE)	13.1	k star (bias corrected MLE)	N/A
Theta hat (MLE)	0.42	Theta star (bias corrected MLE)	N/A
nu hat (MLE)	52.41	nu star (bias corrected)	N/A
Mean (detects)	5.5		

Estimates of Gamma Parameters using KM Estimates

Mean (KM)	3.357	SD (KM)	1.042
Variance (KM)	1.087	SE of Mean (KM)	0.394
k hat (KM)	10.37	k star (KM)	8.196
nu hat (KM)	290.4	nu star (KM)	229.5
theta hat (KM)	0.324	theta star (KM)	0.41
80% gamma percentile (KM)	4.284	90% gamma percentile (KM)	4.92
95% gamma percentile (KM)	5.489	99% gamma percentile (KM)	6.667

Gamma Kaplan-Meier (KM) Statistics

		Adjusted Level of Significance (β)	0.0312
Approximate Chi Square Value (229.49, α)	195.4	Adjusted Chi Square Value (229.49, β)	191.3
95% Gamma Approximate KM-UCL (use when $n \geq 50$)	3.942	95% Gamma Adjusted KM-UCL (use when $n < 50$)	4.028

Lognormal GOF Test on Detected Observations Only

Not Enough Data to Perform GOF Test

Lognormal ROS Statistics Using Imputed Non-Detects

Mean in Original Scale	1.286	Mean in Log Scale	-0.632
SD in Original Scale	1.947	SD in Log Scale	1.41
95% t UCL (assumes normality of ROS data)	2.208	95% Percentile Bootstrap UCL	2.184
95% BCA Bootstrap UCL	2.537	95% Bootstrap t UCL	4.069
95% H-UCL (Log ROS)	5.697		

Statistics using KM estimates on Logged Data and Assuming Lognormal Distribution

KM Mean (logged)	1.18	KM Geo Mean	3.253
KM SD (logged)	0.225	95% Critical H Value (KM-Log)	1.836
KM Standard Error of Mean (logged)	0.085	95% H-UCL (KM -Log)	3.742
KM SD (logged)	0.225	95% Critical H Value (KM-Log)	1.836
KM Standard Error of Mean (logged)	0.085		

DL/2 Statistics

DL/2 Normal

Mean in Original Scale	2.071
SD in Original Scale	1.567
95% t UCL (Assumes normality)	2.813

DL/2 Log-Transformed

Mean in Log Scale	0.586
SD in Log Scale	0.471
95% H-Stat UCL	2.608

DL/2 is not a recommended method, provided for comparisons and historical reasons

Nonparametric Distribution Free UCL Statistics

Data do not follow a Discernible Distribution at 5% Significance Level**Suggested UCL to Use**

95% KM (t) UCL	4.055	KM H-UCL	3.742
95% KM (BCA) UCL	N/A		

Warning: One or more Recommended UCL(s) not available!

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

Recommendations are based upon data size, data distribution, and skewness.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

SV_ugm3 (pce)**General Statistics**

Total Number of Observations	14	Number of Distinct Observations	14
		Number of Missing Observations	0
Minimum	3370	Mean	699401
Maximum	3480000	Median	19900
SD	1200340	Std. Error of Mean	320804
Coefficient of Variation	1.716	Skewness	1.763

Normal GOF Test

Shapiro Wilk Test Statistic	0.647	Shapiro Wilk GOF Test
5% Shapiro Wilk Critical Value	0.874	Data Not Normal at 5% Significance Level
Lilliefors Test Statistic	0.35	Lilliefors GOF Test
5% Lilliefors Critical Value	0.226	Data Not Normal at 5% Significance Level

Data Not Normal at 5% Significance Level**Assuming Normal Distribution****95% Normal UCL**

95% Student's-t UCL 1267525

95% UCLs (Adjusted for Skewness)

95% Adjusted-CLT UCL (Chen-1995) 1388596

95% Modified-t UCL (Johnson-1978) 1292718

Gamma GOF Test

A-D Test Statistic	1.205	Anderson-Darling Gamma GOF Test
5% A-D Critical Value	0.84	Data Not Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.285	Kolmogorov-Smirnov Gamma GOF Test
5% K-S Critical Value	0.249	Data Not Gamma Distributed at 5% Significance Level

Data Not Gamma Distributed at 5% Significance Level**Gamma Statistics**

k hat (MLE)	0.284	k star (bias corrected MLE)	0.271
Theta hat (MLE)	2461860	Theta star (bias corrected MLE)	2582376
nu hat (MLE)	7.955	nu star (bias corrected)	7.583
MLE Mean (bias corrected)	699401	MLE Sd (bias corrected)	1343919
		Approximate Chi Square Value (0.05)	2.496
Adjusted Level of Significance	0.0312	Adjusted Chi Square Value	2.126

Assuming Gamma Distribution

Lognormal GOF Test

Shapiro Wilk Test Statistic	0.846
5% Shapiro Wilk Critical Value	0.874
Lilliefors Test Statistic	0.222
5% Lilliefors Critical Value	0.226

Shapiro Wilk Lognormal GOF Test

Data Not Lognormal at 5% Significance Level

Lilliefors Lognormal GOF Test

Data appear Lognormal at 5% Significance Level

Data appear Approximate Lognormal at 5% Significance Level**Lognormal Statistics**

Minimum of Logged Data	8.123	Mean of logged Data	11.01
Maximum of Logged Data	15.06	SD of logged Data	2.637

Assuming Lognormal Distribution

95% H-UCL	1.552E+8	90% Chebyshev (MVUE) UCL	3101767
95% Chebyshev (MVUE) UCL	4078343	97.5% Chebyshev (MVUE) UCL	5433792
99% Chebyshev (MVUE) UCL	8096310		

Nonparametric Distribution Free UCL Statistics**Data appear to follow a Discernible Distribution at 5% Significance Level****Nonparametric Distribution Free UCLs**

95% CLT UCL	1227078	95% Jackknife UCL	1267525
95% Standard Bootstrap UCL	1200445	95% Bootstrap-t UCL	2104567
95% Hall's Bootstrap UCL	1506916	95% Percentile Bootstrap UCL	1280557
95% BCA Bootstrap UCL	1346691		
90% Chebyshev(Mean, Sd) UCL	1661815	95% Chebyshev(Mean, Sd) UCL	2097755
97.5% Chebyshev(Mean, Sd) UCL	2702824	99% Chebyshev(Mean, Sd) UCL	3891365

Suggested UCL to Use

99% Chebyshev (Mean, Sd) UCL 3891365

Recommended UCL exceeds the maximum observation

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

Recommendations are based upon data size, data distribution, and skewness.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

SV_ugm3 (tce)**General Statistics**

Total Number of Observations	14	Number of Distinct Observations	14
		Number of Missing Observations	0
Minimum	54.2	Mean	2650
Maximum	11700	Median	2430
SD	3076	Std. Error of Mean	822.1
Coefficient of Variation	1.161	Skewness	2.092

Normal GOF Test

Shapiro Wilk Test Statistic	0.767
5% Shapiro Wilk Critical Value	0.874
Lilliefors Test Statistic	0.199
5% Lilliefors Critical Value	0.226

Shapiro Wilk GOF Test

Data Not Normal at 5% Significance Level

Lilliefors GOF Test

Data appear Normal at 5% Significance Level

Data appear Approximate Normal at 5% Significance Level

Assuming Normal Distribution

95% Normal UCL

95% Student's-t UCL 4106

95% UCLs (Adjusted for Skewness)

95% Adjusted-CLT UCL (Chen-1995) 4493

95% Modified-t UCL (Johnson-1978) 4182

Gamma GOF Test

A-D Test Statistic 0.404

Anderson-Darling Gamma GOF Test

5% A-D Critical Value 0.775

Detected data appear Gamma Distributed at 5% Significance Level

K-S Test Statistic 0.186

Kolmogorov-Smirnov Gamma GOF Test

5% K-S Critical Value 0.238

Detected data appear Gamma Distributed at 5% Significance Level

Detected data appear Gamma Distributed at 5% Significance Level

Gamma Statistics

k hat (MLE) 0.707

k star (bias corrected MLE) 0.603

Theta hat (MLE) 3749

Theta star (bias corrected MLE) 4394

nu hat (MLE) 19.79

nu star (bias corrected) 16.88

MLE Mean (bias corrected) 2650

MLE Sd (bias corrected) 3412

Approximate Chi Square Value (0.05) 8.59

Adjusted Level of Significance 0.0312

Adjusted Chi Square Value 7.816

Assuming Gamma Distribution

95% Approximate Gamma UCL (use when $n \geq 50$) 5209

95% Adjusted Gamma UCL (use when $n < 50$) 5725

Lognormal GOF Test

Shapiro Wilk Test Statistic 0.915

Shapiro Wilk Lognormal GOF Test

5% Shapiro Wilk Critical Value 0.874

Data appear Lognormal at 5% Significance Level

Lilliefors Test Statistic 0.24

Lilliefors Lognormal GOF Test

5% Lilliefors Critical Value 0.226

Data Not Lognormal at 5% Significance Level

Data appear Approximate Lognormal at 5% Significance Level

Lognormal Statistics

Minimum of Logged Data 3.993

Mean of logged Data 7.028

Maximum of Logged Data 9.367

SD of logged Data 1.639

Assuming Lognormal Distribution

95% H-UCL 26140

90% Chebyshev (MVUE) UCL 8953

95% Chebyshev (MVUE) UCL 11378

97.5% Chebyshev (MVUE) UCL 14745

99% Chebyshev (MVUE) UCL 21357

Nonparametric Distribution Free UCL Statistics

Data appear to follow a Discernible Distribution at 5% Significance Level

Nonparametric Distribution Free UCLs

95% CLT UCL 4002

95% Jackknife UCL 4106

95% Standard Bootstrap UCL 3963

95% Bootstrap-t UCL 4982

95% Hall's Bootstrap UCL 10063
95% BCA Bootstrap UCL 4580
90% Chebyshev(Mean, Sd) UCL 5116
97.5% Chebyshev(Mean, Sd) UCL 7784

95% Percentile Bootstrap UCL 4126
95% Chebyshev(Mean, Sd) UCL 6233
99% Chebyshev(Mean, Sd) UCL 10830

Suggested UCL to Use

95% Student's-t UCL 4106

When a data set follows an approximate (e.g., normal) distribution passing one of the GOF test

When applicable, it is suggested to use a UCL based upon a distribution (e.g., gamma) passing both GOF tests in ProUCL

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

Recommendations are based upon data size, data distribution, and skewness.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

SV_ugm3 (vinyl chloride)

General Statistics

Total Number of Observations	14	Number of Distinct Observations	2
Number of Detects	1	Number of Non-Detects	13
Number of Distinct Detects	1	Number of Distinct Non-Detects	1

Warning: Only one distinct data value was detected! ProUCL (or any other software) should not be used on such a data set!

It is suggested to use alternative site specific values determined by the Project Team to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable SV_ugm3 (vinyl chloride) was not processed!

Appendix C

SESOIL Input Parameters

Climate Inputs

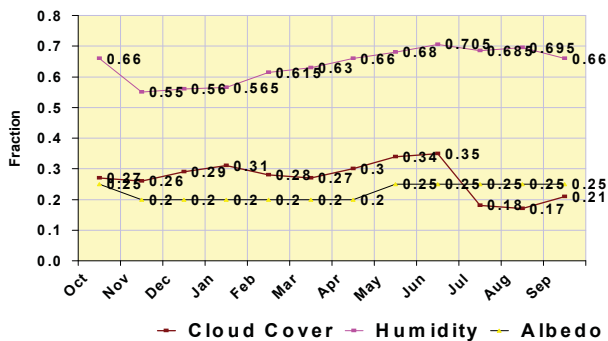
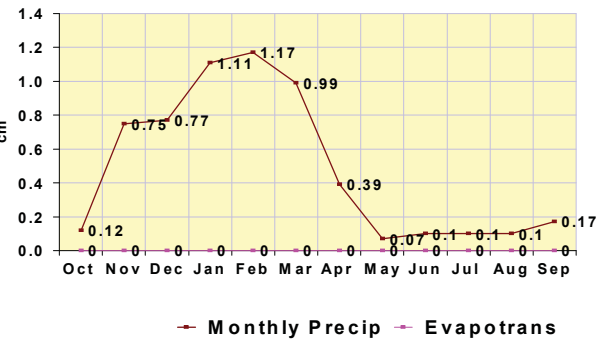
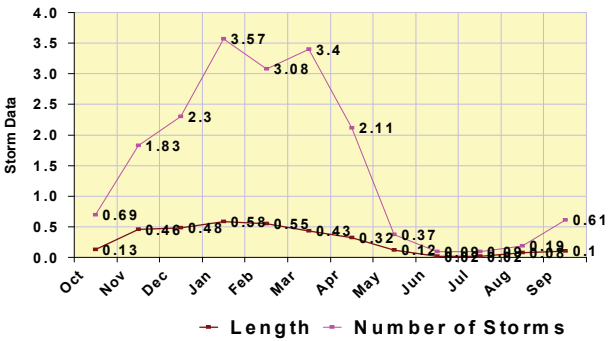
Scenario 1

Climate Report

Location Description: LOS ANGELES, CIVIC CENTER

Climatic Input File: C:\SEV7 WIN7\SET_ET_15PRECIP.CLM

Month	Temperature		Precipitation		Evapotranspiration Rate		Storms		Cloud Cover	Albedo	Humidity
Units	°C	°F	cm	Inches	cm	Inches	# per Month	Length Days	Fraction	Fraction	Fraction
October	20.94	69.69	0.12	0.05	0.00	0.00	0.69	0.130	0.270	0.250	0.660
November	17.22	63.00	0.75	0.30	0.00	0.00	1.83	0.460	0.260	0.200	0.550
December	14.61	58.30	0.77	0.30	0.00	0.00	2.30	0.480	0.290	0.200	0.560
January	14.61	58.30	1.11	0.44	0.00	0.00	3.57	0.580	0.310	0.200	0.565
February	15.61	60.10	1.17	0.46	0.00	0.00	3.08	0.550	0.280	0.200	0.615
March	15.94	60.69	0.99	0.39	0.00	0.00	3.40	0.430	0.270	0.200	0.630
April	17.39	63.30	0.39	0.15	0.00	0.00	2.11	0.320	0.300	0.200	0.660
May	18.78	65.80	0.07	0.03	0.00	0.00	0.37	0.120	0.340	0.250	0.680
June	20.94	69.69	0.1	0.04	0.00	0.00	0.09	0.020	0.350	0.250	0.705
July	23.50	74.30	0.1	0.04	0.00	0.00	0.09	0.020	0.180	0.250	0.685
August	23.94	75.09	0.1	0.04	0.00	0.00	0.19	0.080	0.170	0.250	0.695
September	23.17	73.71	0.17	0.07	0.00	0.00	0.61	0.100	0.210	0.250	0.660
Total			5.84	2.30	0.00	0.00					



Climate Inputs

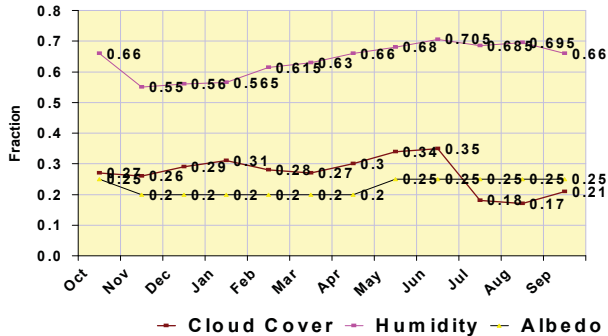
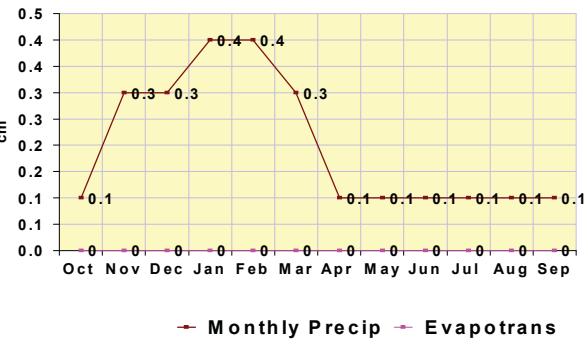
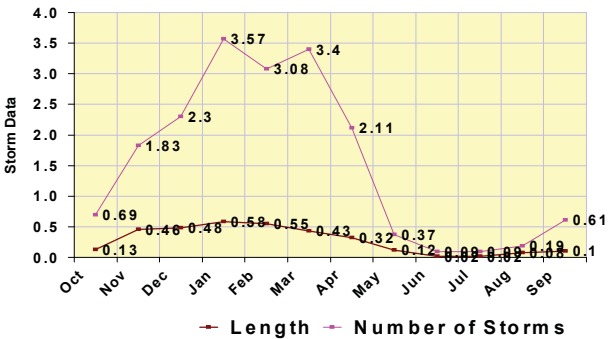
Scenario 2

Climate Report

Location Description: LOS ANGELES, CIVIC CENTER

Climatic Input File: C:\SEV7 WIN7\SET_ET_05PRECIP.CLM

Month	Temperature		Precipitation		Evapotranspiration Rate		Storms		Cloud Cover	Albedo	Humidity
Units	°C	°F	cm	Inches	cm	Inches	# per Month	Length Days	Fraction	Fraction	Fraction
October	20.94	69.69	0.1	0.04	0.00	0.00	0.69	0.130	0.270	0.250	0.660
November	17.22	63.00	0.3	0.12	0.00	0.00	1.83	0.460	0.260	0.200	0.550
December	14.61	58.30	0.3	0.12	0.00	0.00	2.30	0.480	0.290	0.200	0.560
January	14.61	58.30	0.4	0.16	0.00	0.00	3.57	0.580	0.310	0.200	0.565
February	15.61	60.10	0.4	0.16	0.00	0.00	3.08	0.550	0.280	0.200	0.615
March	15.94	60.69	0.3	0.12	0.00	0.00	3.40	0.430	0.270	0.200	0.630
April	17.39	63.30	0.1	0.04	0.00	0.00	2.11	0.320	0.300	0.200	0.660
May	18.78	65.80	0.1	0.04	0.00	0.00	0.37	0.120	0.340	0.250	0.680
June	20.94	69.69	0.1	0.04	0.00	0.00	0.09	0.020	0.350	0.250	0.705
July	23.50	74.30	0.1	0.04	0.00	0.00	0.09	0.020	0.180	0.250	0.685
August	23.94	75.09	0.1	0.04	0.00	0.00	0.19	0.080	0.170	0.250	0.695
September	23.17	73.71	0.1	0.04	0.00	0.00	0.61	0.100	0.210	0.250	0.660
Total			2.40	0.94	0.00	0.00					



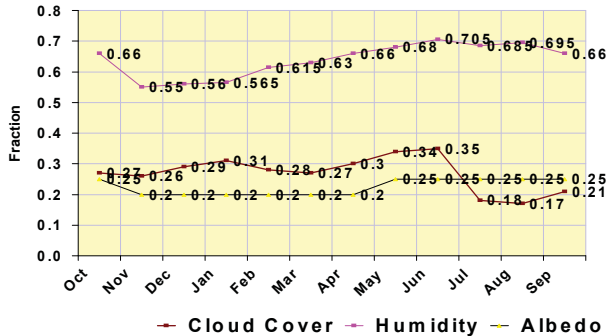
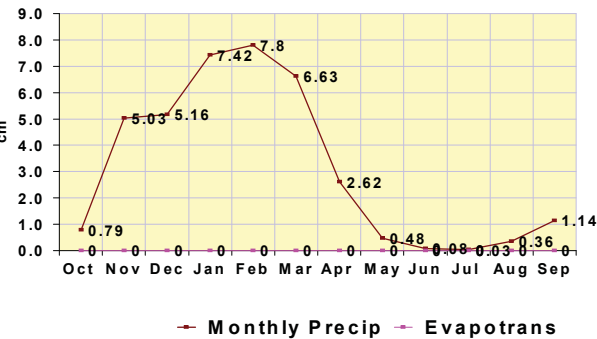
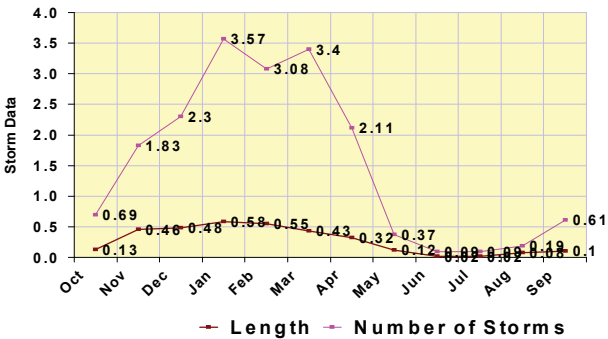
Climate Inputs

Scenario 3

Climate Report

Location Description: LOS ANGELES, CIVIC CENTER
Climatic Input File: C:\SEV7 WIN7\CALC_EP_100PRECIP.CLM

Month	Temperature		Precipitation		Evapotranspiration Rate		Storms		Cloud Cover	Albedo	Humidity
Units	°C	°F	cm	Inches	cm	Inches	# per Month	Length Days	Fraction	Fraction	Fraction
October	20.94	69.69	0.79	0.31	0.00	0.00	0.69	0.130	0.270	0.250	0.660
November	17.22	63.00	5.03	1.98	0.00	0.00	1.83	0.460	0.260	0.200	0.550
December	14.61	58.30	5.16	2.03	0.00	0.00	2.30	0.480	0.290	0.200	0.560
January	14.61	58.30	7.42	2.92	0.00	0.00	3.57	0.580	0.310	0.200	0.565
February	15.61	60.10	7.80	3.07	0.00	0.00	3.08	0.550	0.280	0.200	0.615
March	15.94	60.69	6.63	2.61	0.00	0.00	3.40	0.430	0.270	0.200	0.630
April	17.39	63.30	2.62	1.03	0.00	0.00	2.11	0.320	0.300	0.200	0.660
May	18.78	65.80	0.48	0.19	0.00	0.00	0.37	0.120	0.340	0.250	0.680
June	20.94	69.69	0.08	0.03	0.00	0.00	0.09	0.020	0.350	0.250	0.705
July	23.50	74.30	0.03	0.01	0.00	0.00	0.09	0.020	0.180	0.250	0.685
August	23.94	75.09	0.36	0.14	0.00	0.00	0.19	0.080	0.170	0.250	0.695
September	23.17	73.71	1.14	0.45	0.00	0.00	0.61	0.100	0.210	0.250	0.660
Total			37.54	14.78	0.00	0.00					



Soil Parameters and
Constituent Inputs
All Scenarios

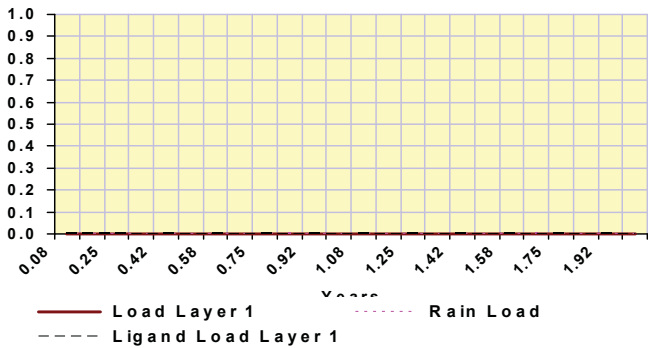
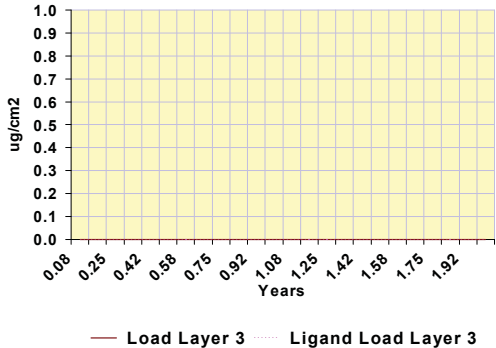
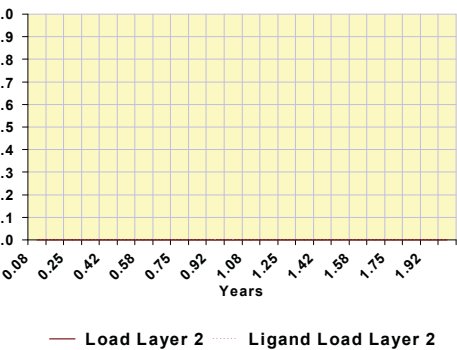
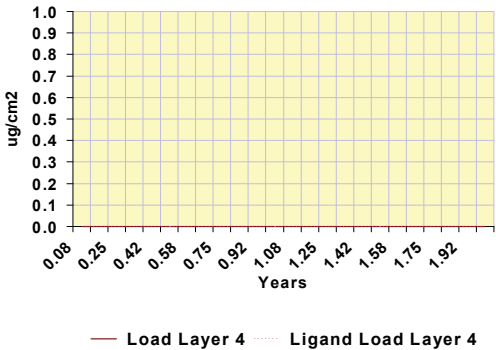
SESOIL Profile and Load Report

Layer No.	Number of Sub-Layers	Thickness		Intrinsic Permeability	Organic Carbon Content	Adsorption Coefficient	Cation Exchange Capacity	Freundlich Exponent	Solid Phase Degradation Rate	Liquid Phase Degradation Rate	Soil pH
		cm	feet								
1	10	428.0	14.04	1.00E-10	0.01	0.00	0.00	1.00	0.00E+00	0.00E+00	7.00
2	10	873.0	28.64	1.00E-10	0.01	0.00	0.00	1.00	0.00E+00	0.00E+00	7.00
3	10	873.0	28.64	1.00E-10	0.01	0.00	0.00	1.00	0.00E+00	0.00E+00	7.00
4	10	873.0	28.64	1.00E-10	0.01	0.00	0.00	1.00	0.00E+00	0.00E+00	7.00

Soil Parameters		Chemical Parameters			
Bulk Density (g/cm ³)	1.86	Water Solubility (µg/mL)	2.97E+3	Moles Ligand / Moles Chemical	0.00
Effective Porosity (fraction)	0.30	Henry's Law (M ³ atm/mol)	3.45E-4	Ligand Molecular Weight(g/mol)	0.00
Soil Pore Disconnectedness	6.50	K _{oc} Adsorp (µg/g)/(µg/mL)	93.30		
		K _d Adsorp (µg/g)/(µg/mL)	0.00		
		Valence (g/mole)	0.00	Ligand Dissociation Constant	0.00
		Air Diffusion (cm ² /sec)	7.10E-2	Base Hydrolysis Rate(L/mol/day)	0.00
		Water Diffusion (cm ² /sec)	7.90E-6	Neutral Hydrolysis (L/mol/day)	0.00
		Molecular Weight (g/mol)	168.00	Acid Hydrolysis (L/mol/day)	0.00

Output File: 777NFS
C:\SEV7 WIN7\S01.OUT
Chemical File: 1,1,2,2-Tetrachloroethane MA DEP
c:\sev7 win7\1 1 2 2-TETRACHLOROETHANE MA DEP.CHM
Soil File: Depth weighted soil
C:\SEV7 WIN7\DEPTH_AVG_SOIL.SOI
Application File: SEVIEW Default Application Parameters
C:\SEV7 WIN7\S01.APL

Sublayer Loads	1	2	3	4	5	6	7	8	9	10
Layer 1 (ug/g)	1.70E-02	1.70E-02	1.70E-02	1.70E-02	1.70E-02	1.70E-02	1.70E-02	1.70E-02	1.70E-02	1.70E-02
Layer 2 (ug/g)	2.20E-04	2.20E-04	2.20E-04	2.20E-04	2.20E-04	2.20E-04	2.20E-04	2.20E-04	2.20E-04	2.20E-04
Layer 3 (ug/g)	2.20E-04	2.20E-04	2.20E-04	2.20E-04	2.20E-04	2.20E-04	2.20E-04	2.20E-04	2.20E-04	2.20E-04
Layer 4 (ug/g)	2.20E-04	2.20E-04	2.20E-04	2.20E-04	2.20E-04	2.20E-04	2.20E-04	2.20E-04	2.20E-04	2.20E-04



SESOIL Profile and Load Report

Layer No.	Number of Sub-Layers	Thickness		Intrinsic Permeability	Organic Carbon Content	Adsorption Coefficient	Cation Exchange Capacity	Freundlich Exponent	Solid Phase Degradation Rate	Liquid Phase Degradation Rate	Soil pH
		cm	feet								
1	10	428.0	14.04	1.00E-10	0.01	0.00	0.00	1.00	0.00E+00	0.00E+00	7.00
2	10	873.0	28.64	1.00E-10	0.01	0.00	0.00	1.00	0.00E+00	0.00E+00	7.00
3	10	873.0	28.64	1.00E-10	0.01	0.00	0.00	1.00	0.00E+00	0.00E+00	7.00
4	10	873.0	28.64	1.00E-10	0.01	0.00	0.00	1.00	0.00E+00	0.00E+00	7.00

Soil Parameters			Chemical Parameters			
Bulk Density (g/cm ³)		1.86	Water Solubility (µg/mL)	2.97E+3	Moles Ligand / Moles Chemical	0.00
Effective Porosity (fraction)		0.30	Henry's Law (M ³ atm/mol)	3.45E-4	Ligand Molecular Weight(g/mol)	0.00
Soil Pore Disconnectedness		6.50	K _{oc} Adsorp (µg/g)/(µg/mL)	93.30		
Application Parameters			K _d Adsorp (µg/g)/(µg/mL)	0.00		
			Valence (g/mole)	0.00	Ligand Dissociation Constant	0.00
			Air Diffusion (cm ² /sec)	7.10E-2	Base Hydrolysis Rate(L/mol/day)	0.00
			Water Diffusion (cm ² /sec)	7.90E-6	Neutral Hydrolysis (L/mol/day)	0.00
			Molecular Weight (g/mol)	168.00	Acid Hydrolysis (L/mol/day)	0.00
Area cm ² ft ²		1.00E+4 10.76				
Latitude degrees		34.0				
Spill Index		1				

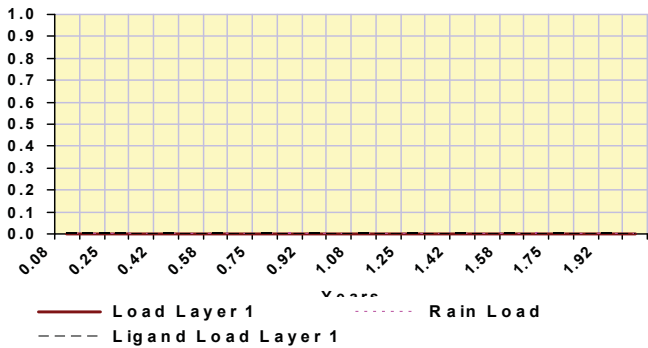
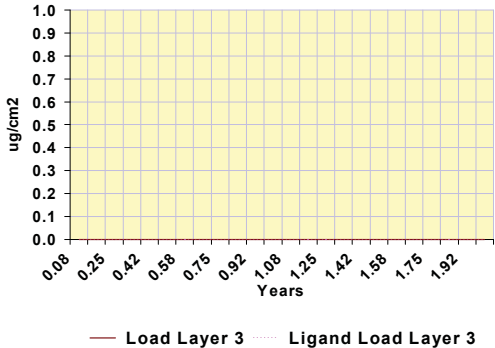
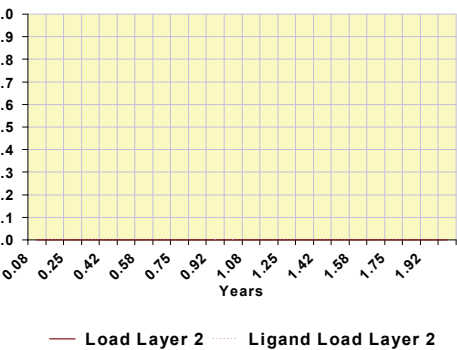
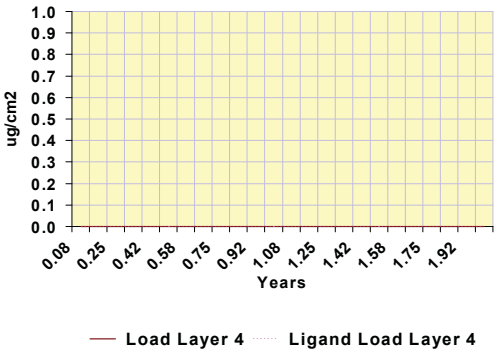
SESOIL Profile and Load Report

Layer No.	Number of Sub-Layers	Thickness		Intrinsic Permeability	Organic Carbon Content	Adsorption Coefficient	Cation Exchange Capacity	Freundlich Exponent	Solid Phase Degradation Rate	Liquid Phase Degradation Rate	Soil pH
		cm	feet								
1	10	428.0	14.04	1.00E-10	0.01	0.00	0.00	1.00	0.00E+00	0.00E+00	7.00
2	10	873.0	28.64	1.00E-10	0.01	0.00	0.00	1.00	0.00E+00	0.00E+00	7.00
3	10	873.0	28.64	1.00E-10	0.01	0.00	0.00	1.00	0.00E+00	0.00E+00	7.00
4	10	873.0	28.64	1.00E-10	0.01	0.00	0.00	1.00	0.00E+00	0.00E+00	7.00

Soil Parameters		Chemical Parameters			
Bulk Density (g/cm ³)	1.86	Water Solubility (µg/mL)	2.97E+3	Moles Ligand / Moles Chemical	0.00
Effective Porosity (fraction)	0.30	Henry's Law (M ³ atm/mol)	3.45E-4	Ligand Molecular Weight(g/mol)	0.00
Soil Pore Disconnectedness	6.50	K _{oc} Adsorp (µg/g)/(µg/mL)	93.30		
		K _d Adsorp (µg/g)/(µg/mL)	0.00		
		Valence (g/mole)	0.00	Ligand Dissociation Constant	0.00
		Air Diffusion (cm ² /sec)	7.10E-2	Base Hydrolysis Rate(L/mol/day)	0.00
		Water Diffusion (cm ² /sec)	7.90E-6	Neutral Hydrolysis (L/mol/day)	0.00
		Molecular Weight (g/mol)	168.00	Acid Hydrolysis (L/mol/day)	0.00

Output File: 777NFS
C:\SEV7 WIN7\S01.OUT
Chemical File: 1,1,2,2-Tetrachloroethane MA DEP
c:\sev7 win7\1 1 2 2-TETRACHLOROETHANE MA DEP.CHM
Soil File: Depth weighted soil
C:\SEV7 WIN7\DEPTH_AVG_SOIL.SOI
Application File: SEVIEW Default Application Parameters
C:\SEV7 WIN7\S01.APL

Sublayer Loads	1	2	3	4	5	6	7	8	9	10
Layer 1 (ug/g)	1.70E-02	1.70E-02	1.70E-02	1.70E-02	1.70E-02	1.70E-02	1.70E-02	1.70E-02	1.70E-02	1.70E-02
Layer 2 (ug/g)	2.10E-04	2.10E-04	2.10E-04	2.10E-04	2.10E-04	2.10E-04	2.10E-04	2.10E-04	2.10E-04	2.10E-04
Layer 3 (ug/g)	2.10E-04	2.10E-04	2.10E-04	2.10E-04	2.10E-04	2.10E-04	2.10E-04	2.10E-04	2.10E-04	2.10E-04
Layer 4 (ug/g)	2.10E-04	2.10E-04	2.10E-04	2.10E-04	2.10E-04	2.10E-04	2.10E-04	2.10E-04	2.10E-04	2.10E-04



SESOIL Profile and Load Report

Layer No.	Number of Sub-Layers	Thickness		Intrinsic Permeability	Organic Carbon Content	Adsorption Coefficient	Cation Exchange Capacity	Freundlich Exponent	Solid Phase Degradation Rate	Liquid Phase Degradation Rate	Soil pH
		cm	feet								
1	10	428.0	14.04	1.00E-10	0.01	0.00	0.00	1.00	0.00E+00	0.00E+00	7.00
2	10	873.0	28.64	1.00E-10	0.01	0.00	0.00	1.00	0.00E+00	0.00E+00	7.00
3	10	873.0	28.64	1.00E-10	0.01	0.00	0.00	1.00	0.00E+00	0.00E+00	7.00
4	10	873.0	28.64	1.00E-10	0.01	0.00	0.00	1.00	0.00E+00	0.00E+00	7.00

Soil Parameters

Bulk Density (g/cm ³)	1.86
Effective Porosity (fraction)	0.30
Soil Pore Disconnectedness	6.50

Application Parameters

Area	cm ²	1.00E+4
	ft ²	10.76
Latitude	degrees	34.0
Spill Index		1

Chemical Parameters

Water Solubility (µg/mL)	2.25E+3	Moles Ligand / Moles Chemical	0.00
Henry's Law (M ³ atm/mol)	2.61E-2	Ligand Molecular Weight(g/mol)	0.00
K _{OC} Adsorp (µg/g)/(µg/mL)	65.00		
K _d Adsorp (µg/g)/(µg/mL)	0.00		
Valence (g/mole)	0.00	Ligand Dissociation Constant	0.00
Air Diffusion (cm ² /sec)	9.00E-2	Base Hydrolysis Rate(L/mol/day)	0.00
Water Diffusion (cm ² /sec)	1.04E-5	Neutral Hydrolysis (L/mol/day)	0.00
Molecular Weight (g/mol)	97.00	Acid Hydrolysis (L/mol/day)	0.00

Output File: 777NFS

C:\SEV7 WIN7\S01.OUT

Chemical File: 1,1-Dichloroethene OEPA 2003

c:\sev7 win7\1 1-DICHLOROETHENE OEPA 2003.CHM

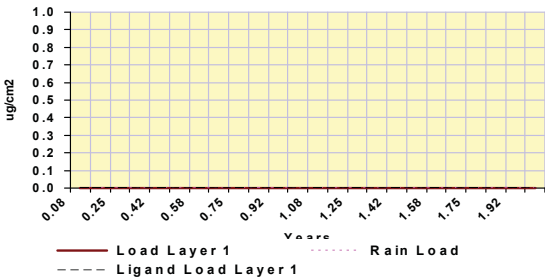
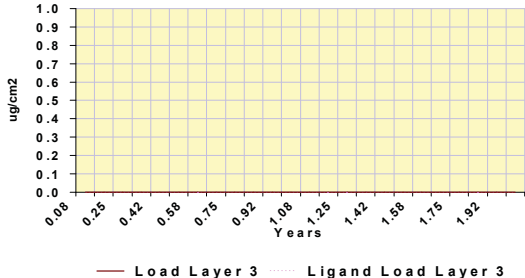
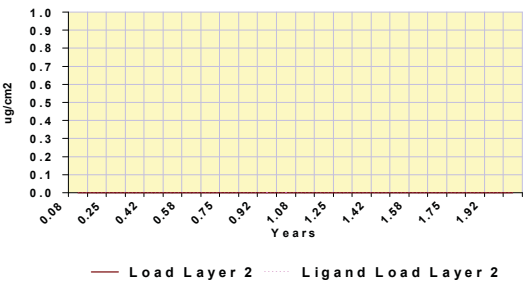
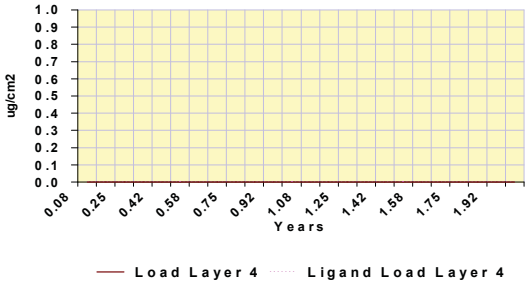
Soil File: Depth weighted soil

C:\SEV7 WIN7\DEPTH_AVG_SOIL.SOI

Application File: SEVIEW Default Application Parameters

C:\SEV7 WIN7\S01.APL

Sublayer Loads	1	2	3	4	5	6	7	8	9	10
Layer 1 (ug/g)	1.70E-02	1.70E-02	1.70E-02	1.70E-02	1.70E-02	1.70E-02	1.70E-02	1.70E-02	1.70E-02	1.70E-02
Layer 2 (ug/g)	8.20E-05	8.20E-05	8.20E-05	8.20E-05	8.20E-05	8.20E-05	8.20E-05	8.20E-05	8.20E-05	8.20E-05
Layer 3 (ug/g)	8.20E-05	8.90E-04	8.90E-04	8.90E-04	8.90E-04	8.90E-04	8.90E-04	8.90E-04	8.90E-04	8.90E-04
Layer 4 (ug/g)	8.90E-04	8.90E-04	8.90E-04	8.90E-04	8.90E-04	8.90E-04	8.90E-04	8.90E-04	8.90E-04	8.90E-04



SESOIL Profile and Load Report

Layer No.	Number of Sub-Layers	Thickness		Intrinsic Permeability	Organic Carbon Content	Adsorption Coefficient	Cation Exchange Capacity	Freundlich Exponent	Solid Phase Degradation Rate	Liquid Phase Degradation Rate	Soil pH
		cm	feet								
1	10	428.0	14.04	1.00E-10	0.01	0.00	0.00	1.00	0.00E+00	0.00E+00	7.00
2	10	873.0	28.64	1.00E-10	0.01	0.00	0.00	1.00	0.00E+00	0.00E+00	7.00
3	10	873.0	28.64	1.00E-10	0.01	0.00	0.00	1.00	0.00E+00	0.00E+00	7.00
4	10	873.0	28.64	1.00E-10	0.01	0.00	0.00	1.00	0.00E+00	0.00E+00	7.00

Soil Parameters

Bulk Density (g/cm ³)	1.86
Effective Porosity (fraction)	0.30
Soil Pore Disconnectedness	6.50

Application Parameters

Area	cm ²	1.00E+4
	ft ²	10.76
Latitude	degrees	34.0
Spill Index		1

Chemical Parameters

Water Solubility (µg/mL)	2.25E+3	Moles Ligand / Moles Chemical	0.00
Henry's Law (M ³ atm/mol)	2.61E-2	Ligand Molecular Weight(g/mol)	0.00
K _{OC} Adsorp (µg/g)/(µg/mL)	65.00		
K _d Adsorp (µg/g)/(µg/mL)	0.00		
Valence (g/mole)	0.00	Ligand Dissociation Constant	0.00
Air Diffusion (cm ² /sec)	9.00E-2	Base Hydrolysis Rate(L/mol/day)	0.00
Water Diffusion (cm ² /sec)	1.04E-5	Neutral Hydrolysis (L/mol/day)	0.00
Molecular Weight (g/mol)	97.00	Acid Hydrolysis (L/mol/day)	0.00

Output File: 777NFS

C:\SEV7 WIN7\S01.OUT

Chemical File: 1,1-Dichloroethene OEPA 2003

c:\sev7 win7\1 1-DICHLOROETHENE OEPA 2003.CHM

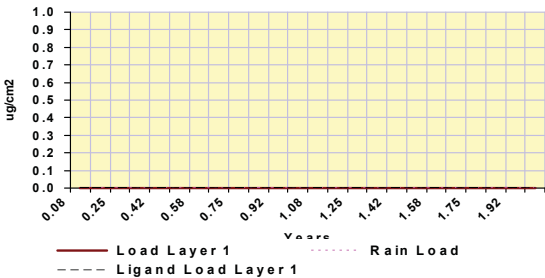
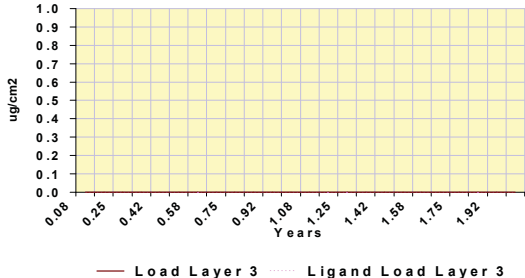
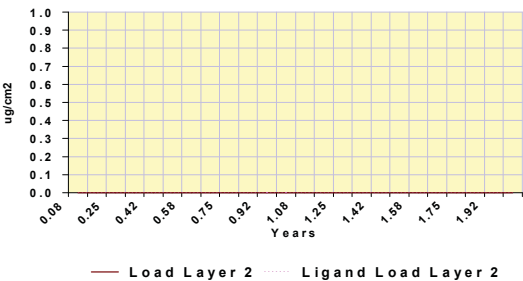
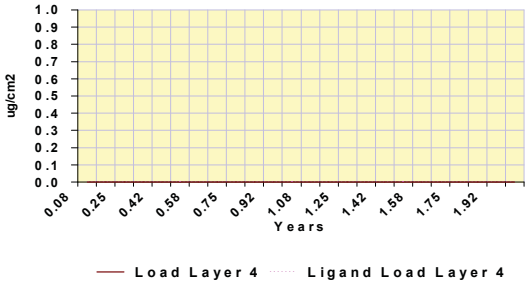
Soil File: Depth weighted soil

C:\SEV7 WIN7\DEPTH_AVG_SOIL.SOI

Application File: SEVIEW Default Application Parameters

C:\SEV7 WIN7\S01.APL

Sublayer Loads	1	2	3	4	5	6	7	8	9	10
Layer 1 (ug/g)	1.70E-02	1.70E-02	1.70E-02	1.70E-02	1.70E-02	1.70E-02	1.70E-02	1.70E-02	1.70E-02	1.70E-02
Layer 2 (ug/g)	8.20E-05	8.20E-05	8.20E-05	8.20E-05	8.20E-05	8.20E-05	8.20E-05	8.20E-05	8.20E-05	8.20E-05
Layer 3 (ug/g)	8.20E-05	8.90E-04	8.90E-04	8.90E-04	8.90E-04	8.90E-04	8.90E-04	8.90E-04	8.90E-04	8.90E-04
Layer 4 (ug/g)	8.90E-04	8.90E-04	8.90E-04	8.90E-04	8.90E-04	8.90E-04	8.90E-04	8.90E-04	8.90E-04	8.90E-04



SESOIL Profile and Load Report

Layer No.	Number of Sub-Layers	Thickness		Intrinsic Permeability	Organic Carbon Content	Adsorption Coefficient	Cation Exchange Capacity	Freundlich Exponent	Solid Phase Degradation Rate	Liquid Phase Degradation Rate	Soil pH
		cm	feet								
1	10	428.0	14.04	1.00E-10	0.01	0.00	0.00	1.00	0.00E+00	0.00E+00	7.00
2	10	873.0	28.64	1.00E-10	0.01	0.00	0.00	1.00	0.00E+00	0.00E+00	7.00
3	10	873.0	28.64	1.00E-10	0.01	0.00	0.00	1.00	0.00E+00	0.00E+00	7.00
4	10	873.0	28.64	1.00E-10	0.01	0.00	0.00	1.00	0.00E+00	0.00E+00	7.00

Soil Parameters

Bulk Density (g/cm ³)	1.86
Effective Porosity (fraction)	0.30
Soil Pore Disconnectedness	6.50

Application Parameters

Area	cm ²	1.00E+4
	ft ²	10.76
Latitude	degrees	34.0
Spill Index		1

Chemical Parameters

Water Solubility (µg/mL)	2.25E+3	Moles Ligand / Moles Chemical	0.00
Henry's Law (M ³ atm/mol)	2.61E-2	Ligand Molecular Weight(g/mol)	0.00
K _{OC} Adsorp (µg/g)/(µg/mL)	65.00		
K _d Adsorp (µg/g)/(µg/mL)	0.00		
Valence (g/mole)	0.00	Ligand Dissociation Constant	0.00
Air Diffusion (cm ² /sec)	9.00E-2	Base Hydrolysis Rate(L/mol/day)	0.00
Water Diffusion (cm ² /sec)	1.04E-5	Neutral Hydrolysis (L/mol/day)	0.00
Molecular Weight (g/mol)	97.00	Acid Hydrolysis (L/mol/day)	0.00

Output File: 777NFS

C:\SEV7 WIN7\S01.OUT

Chemical File: 1,1-Dichloroethene OEPA 2003

c:\sev7 win7\1 1-DICHLOROETHENE OEPA 2003.CHM

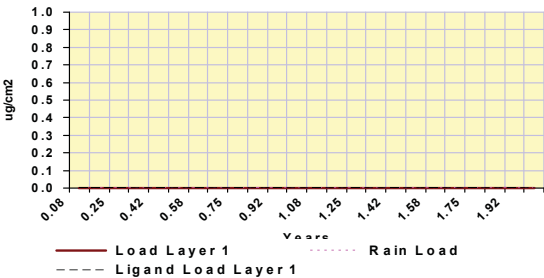
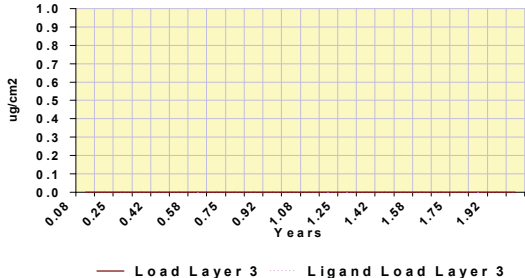
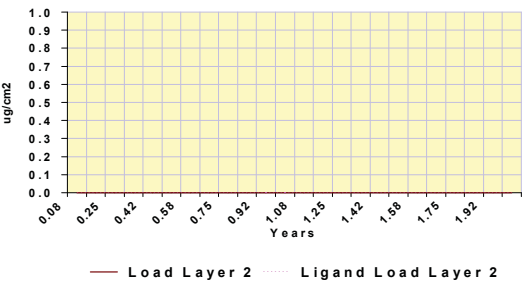
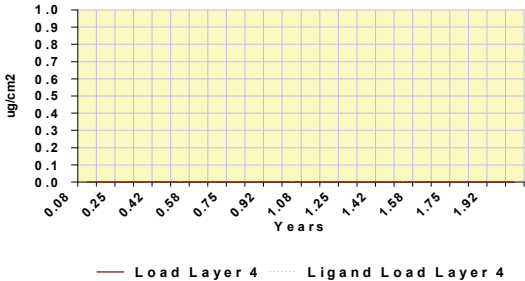
Soil File: Depth weighted soil

C:\SEV7 WIN7\DEPTH_AVG_SOIL.SOI

Application File: SEVIEW Default Application Parameters

C:\SEV7 WIN7\S01.APL

Sublayer Loads	1	2	3	4	5	6	7	8	9	10
Layer 1 (ug/g)	1.70E-02	1.70E-02	1.70E-02	1.70E-02	1.70E-02	1.70E-02	1.70E-02	1.70E-02	1.70E-02	1.70E-02
Layer 2 (ug/g)	8.20E-05	8.20E-05	8.20E-05	8.20E-05	8.20E-05	8.20E-05	8.20E-05	8.20E-05	8.20E-05	8.20E-05
Layer 3 (ug/g)	8.20E-05	8.90E-04	8.90E-04	8.90E-04	8.90E-04	8.90E-04	8.90E-04	8.90E-04	8.90E-04	8.90E-04
Layer 4 (ug/g)	8.90E-04	8.90E-04	8.90E-04	8.90E-04	8.90E-04	8.90E-04	8.90E-04	8.90E-04	8.90E-04	8.90E-04



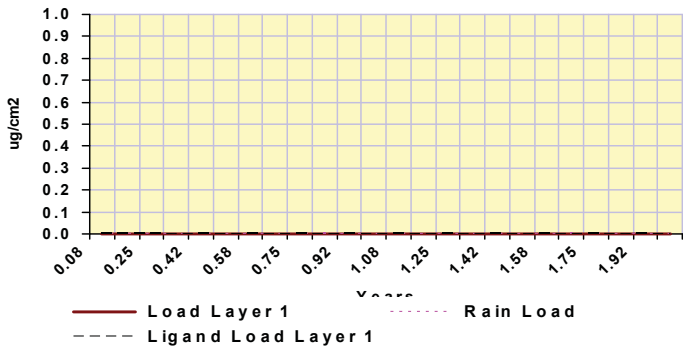
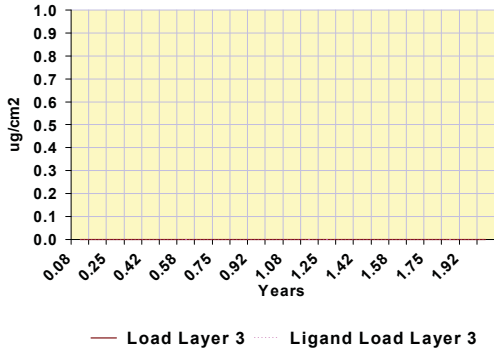
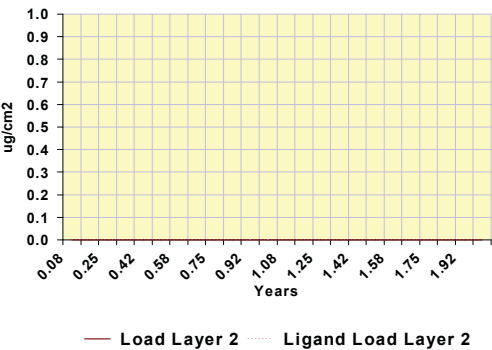
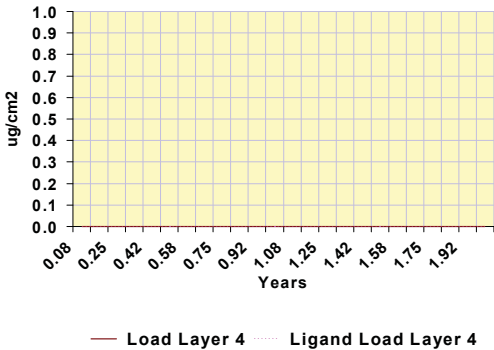
SESOIL Profile and Load Report

Layer No.	Number of Sub-Layers	Thickness		Intrinsic Permeability	Organic Carbon Content	Adsorption Coefficient	Cation Exchange Capacity	Freundlich Exponent	Solid Phase Degradation Rate	Liquid Phase Degradation Rate	Soil pH
		cm	feet								
1	10	428.0	14.04	1.00E-10	0.01	0.00	0.00	1.00	0.00E+00	1.21E-02	7.00
2	10	873.0	28.64	1.00E-10	0.01	0.00	0.00	1.00	0.00E+00	1.21E-02	7.00
3	10	873.0	28.64	1.00E-10	0.01	0.00	0.00	1.00	0.00E+00	1.21E-02	7.00
4	10	873.0	28.64	1.00E-10	0.01	0.00	0.00	1.00	0.00E+00	1.21E-02	7.00

Soil Parameters		Chemical Parameters			
Bulk Density (g/cm ³)	1.86	Water Solubility (µg/mL)	8.52E+3	Moles Ligand / Moles Chemical	0.00
Effective Porosity (fraction)	0.30	Henry's Law (M ³ atm/mol)	1.18E-3	Ligand Molecular Weight(g/mol)	0.00
Soil Pore Disconnectedness	6.50	K _{oc} Adsorp (µg/g)/(µg/mL)	17.40		
Application Parameters		K _d Adsorp (µg/g)/(µg/mL)	0.00		
		Valence (g/mole)	0.00	Ligand Dissociation Constant	0.00
		Air Diffusion (cm ² /sec)	.104	Base Hydrolysis Rate(L/mol/day)	0.00
		Water Diffusion (cm ² /sec)	9.90E-6	Neutral Hydrolysis (L/mol/day)	0.00
		Molecular Weight (g/mol)	99.00	Acid Hydrolysis (L/mol/day)	0.00

Output File:	777NFS
Chemical File:	1,2-Dichloroethane (EDC)
Soil File:	Depth weighted soil
Application File:	SEVIEW Default Application Parameters

Sublayer Loads	1	2	3	4	5	6	7	8	9	10
Layer 1 (ug/g)	1.50E-02	1.50E-02	1.50E-02	1.50E-02	1.50E-02	1.50E-02	1.50E-02	1.50E-02	1.50E-02	1.50E-02
Layer 2 (ug/g)	2.00E-05	2.00E-05	2.00E-05	2.00E-05	2.00E-05	2.00E-05	2.00E-05	2.00E-05	2.00E-05	2.00E-05
Layer 3 (ug/g)	2.00E-05	2.00E-05	2.00E-05	2.00E-05	2.00E-05	2.00E-05	2.00E-05	2.00E-05	2.00E-05	2.00E-05
Layer 4 (ug/g)	2.00E-05	2.00E-05	2.00E-05	2.00E-05	2.00E-05	2.00E-05	2.00E-05	2.00E-05	2.00E-05	2.00E-05



SESOIL Profile and Load Report

Layer No.	Number of Sub-Layers	Thickness		Intrinsic Permeability	Organic Carbon Content	Adsorption Coefficient	Cation Exchange Capacity	Freundlich Exponent	Solid Phase Degradation Rate	Liquid Phase Degradation Rate	Soil pH
		cm	feet								
1	10	428.0	14.04	1.00E-10	0.01	0.00	0.00	1.00	0.00E+00	1.21E-02	7.00
2	10	873.0	28.64	1.00E-10	0.01	0.00	0.00	1.00	0.00E+00	1.21E-02	7.00
3	10	873.0	28.64	1.00E-10	0.01	0.00	0.00	1.00	0.00E+00	1.21E-02	7.00
4	10	873.0	28.64	1.00E-10	0.01	0.00	0.00	1.00	0.00E+00	1.21E-02	7.00

Soil Parameters

Bulk Density (g/cm ³)	1.86
Effective Porosity (fraction)	0.30
Soil Pore Disconnectedness	6.50

Chemical Parameters

Water Solubility (µg/mL)	8.52E+3	Moles Ligand / Moles Chemical	0.00
Henry's Law (M ³ atm/mol)	1.18E-3	Ligand Molecular Weight(g/mol)	0.00
K _{OC} Adsorp (µg/g)/(µg/mL)	17.40		
K _d Adsorp (µg/g)/(µg/mL)	0.00		
Valence (g/mole)	0.00	Ligand Dissociation Constant	0.00
Air Diffusion (cm ² /sec)	.104	Base Hydrolysis Rate(L/mol/day)	0.00
Water Diffusion (cm ² /sec)	9.90E-6	Neutral Hydrolysis (L/mol/day)	0.00
Molecular Weight (g/mol)	99.00	Acid Hydrolysis (L/mol/day)	0.00

Application Parameters

Area	cm ²	1.00E+4
	ft ²	10.76
Latitude	degrees	34.0
Spill Index		1

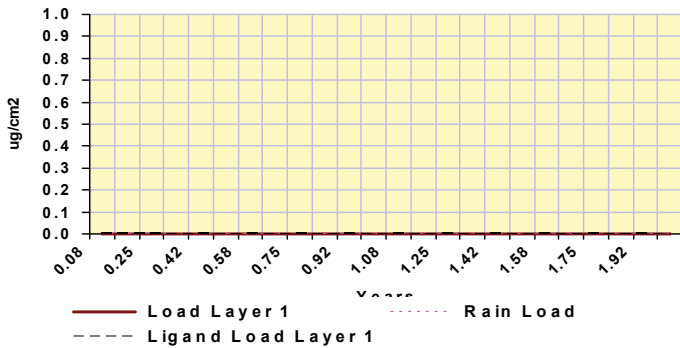
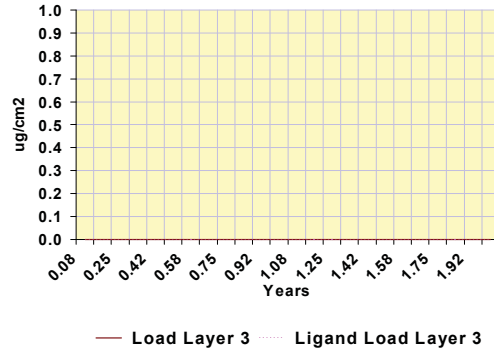
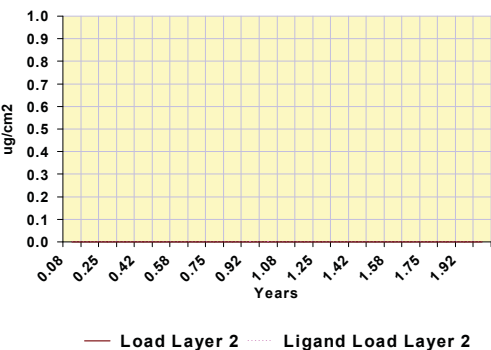
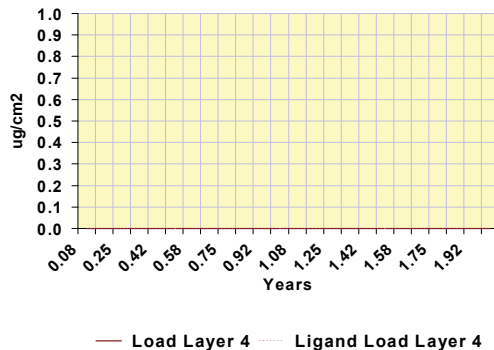
Output File: 777NFS
C:\SEV7 WIN7\S01.OUT

Chemical File: 1,2-Dichloroethane (EDC)
c:\sev7 win7\1 2-DICHLOROETHANE (EDC).CHM

Soil File: Depth weighted soil
C:\SEV7 WIN7\DEPTH_AVG_SOIL.SOI

Application File: SEVIEW Default Application Parameters
C:\SEV7 WIN7\S01.APL

Sublayer Loads	1	2	3	4	5	6	7	8	9	10
Layer 1 (ug/g)	1.50E-02	1.50E-02	1.50E-02	1.50E-02	1.50E-02	1.50E-02	1.50E-02	1.50E-02	1.50E-02	1.50E-02
Layer 2 (ug/g)	1.90E-05	1.90E-05	1.90E-05	1.90E-05	1.90E-05	1.90E-05	1.90E-05	1.90E-05	1.90E-05	1.90E-05
Layer 3 (ug/g)	1.90E-05	1.90E-05	1.90E-05	1.90E-05	1.90E-05	1.90E-05	1.90E-05	1.90E-05	1.90E-05	1.90E-05
Layer 4 (ug/g)	1.90E-05	1.90E-05	1.90E-05	1.90E-05	1.90E-05	1.90E-05	1.90E-05	1.90E-05	1.90E-05	1.90E-05



SESOIL Profile and Load Report

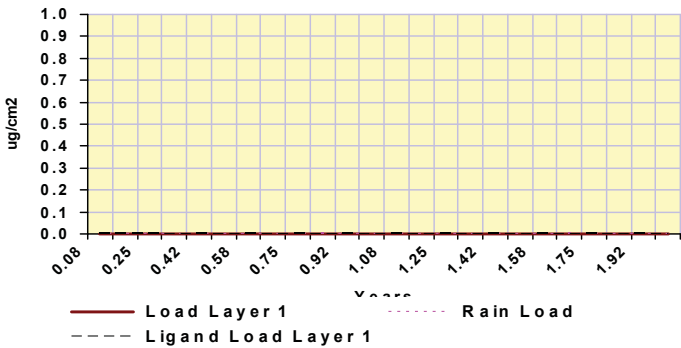
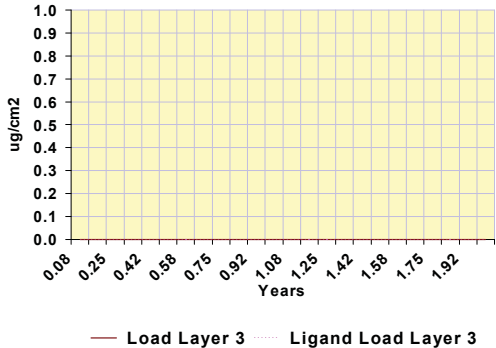
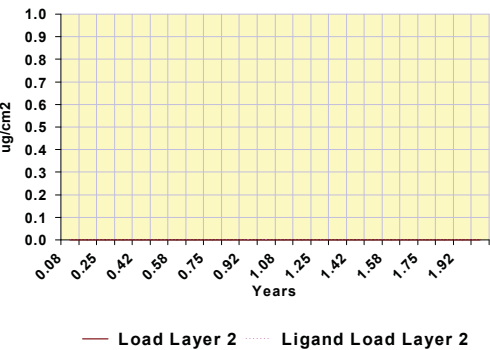
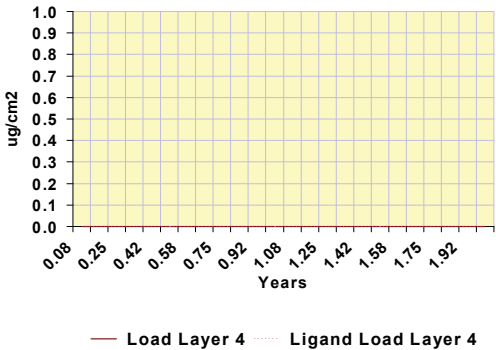
Layer No.	Number of Sub-Layers	Thickness		Intrinsic Permeability	Organic Carbon Content	Adsorption Coefficient	Cation Exchange Capacity	Freundlich Exponent	Solid Phase Degradation Rate	Liquid Phase Degradation Rate	Soil pH
		cm	feet								
1	10	428.0	14.04	1.00E-10	0.01	0.00	0.00	1.00	0.00E+00	1.21E-02	7.00
2	10	873.0	28.64	1.00E-10	0.01	0.00	0.00	1.00	0.00E+00	1.21E-02	7.00
3	10	873.0	28.64	1.00E-10	0.01	0.00	0.00	1.00	0.00E+00	1.21E-02	7.00
4	10	873.0	28.64	1.00E-10	0.01	0.00	0.00	1.00	0.00E+00	1.21E-02	7.00

Soil Parameters		Chemical Parameters	
Bulk Density (g/cm ³)	1.86	Water Solubility (µg/mL)	8.52E+3
Effective Porosity (fraction)	0.30	Henry's Law (M ³ atm/mol)	1.18E-3
Soil Pore Disconnectedness	6.50	K _{OC} Adsorp (µg/g)/(µg/mL)	17.40
		K _d Adsorp (µg/g)/(µg/mL)	0.00
		Valence (g/mole)	0.00
		Air Diffusion (cm ² /sec)	.104
		Water Diffusion (cm ² /sec)	9.90E-6
		Molecular Weight (g/mol)	99.00

Application Parameters		Moles Ligand / Moles Chemical	
Area cm ²	1.00E+4	Ligand Molecular Weight(g/mol)	0.00
ft ²	10.76		
Latitude degrees	34.0	Ligand Dissociation Constant	0.00
Spill Index	1	Base Hydrolysis Rate(L/mol/day)	0.00
		Neutral Hydrolysis (L/mol/day)	0.00
		Acid Hydrolysis (L/mol/day)	0.00

Output File: 777NFS
C:\SEV7 WIN7\S01.OUT
Chemical File: 1,2-Dichloroethane (EDC)
c:\sev7 win7\1 2-DICHLOROETHANE (EDC).CHM
Soil File: Depth weighted soil
C:\SEV7 WIN7\DEPTH_AVG_SOIL.SOI
Application File: SEVIEW Default Application Parameters
C:\SEV7 WIN7\S01.APL

Sublayer Loads	1	2	3	4	5	6	7	8	9	10
Layer 1 (ug/g)	1.50E-02	1.50E-02	1.50E-02	1.50E-02	1.50E-02	1.50E-02	1.50E-02	1.50E-02	1.50E-02	1.50E-02
Layer 2 (ug/g)	1.80E-05	1.80E-05	1.80E-05	1.80E-05	1.80E-05	1.80E-05	1.80E-05	1.80E-05	1.80E-05	1.80E-05
Layer 3 (ug/g)	1.80E-05	1.80E-05	1.80E-05	1.80E-05	1.80E-05	1.80E-05	1.80E-05	1.80E-05	1.80E-05	1.80E-05
Layer 4 (ug/g)	1.80E-05	1.80E-05	1.80E-05	1.80E-05	1.80E-05	1.80E-05	1.80E-05	1.80E-05	1.80E-05	1.80E-05



SESOIL Profile and Load Report

Layer No.	Number of Sub-Layers	Thickness		Intrinsic Permeability	Organic Carbon Content	Adsorption Coefficient	Cation Exchange Capacity	Freundlich Exponent	Solid Phase Degradation Rate	Liquid Phase Degradation Rate	Soil pH
		cm	feet								
1	10	428.0	14.04	1.00E-10	0.01	0.00	0.00	1.00	0.00E+00	0.00E+00	7.00
2	10	873.0	28.64	1.00E-10	0.01	0.00	0.00	1.00	0.00E+00	0.00E+00	7.00
3	10	873.0	28.64	1.00E-10	0.01	0.00	0.00	1.00	0.00E+00	0.00E+00	7.00
4	10	873.0	28.64	1.00E-10	0.01	0.00	0.00	1.00	0.00E+00	0.00E+00	7.00

Soil Parameters

Bulk Density (g/cm ³)	1.86
Effective Porosity (fraction)	0.30
Soil Pore Disconnectedness	6.50

Chemical Parameters

Water Solubility (µg/mL)	1.78E+3	Moles Ligand / Moles Chemical	0.00
Henry's Law (M ³ atm/mol)	5.55E-3	Ligand Molecular Weight(g/mol)	0.00
K _{oc} Adsorp (µg/g)/(µg/mL)	31.00		
K _d Adsorp (µg/g)/(µg/mL)	0.00		
Valence (g/mole)	0.00	Ligand Dissociation Constant	0.00
Air Diffusion (cm ² /sec)	7.70E-2	Base Hydrolysis Rate(L/mol/day)	0.00
Water Diffusion (cm ² /sec)	9.80E-6	Neutral Hydrolysis (L/mol/day)	0.00
Molecular Weight (g/mol)	78.10	Acid Hydrolysis (L/mol/day)	0.00

Application Parameters

Area	cm ²	1.00E+4
	ft ²	10.76
Latitude	degrees	34.0
Spill Index		1

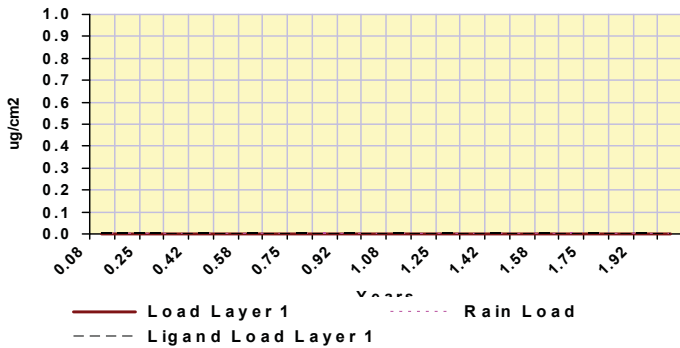
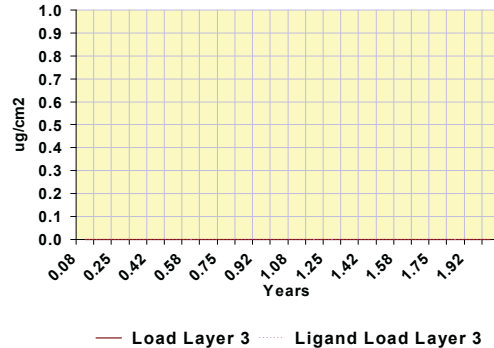
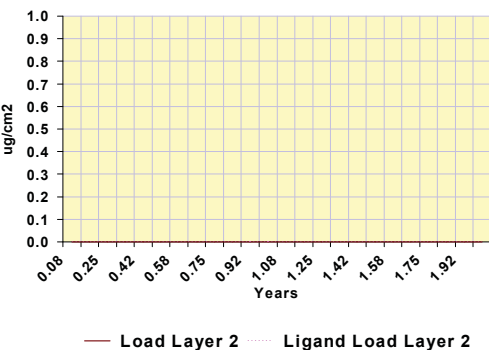
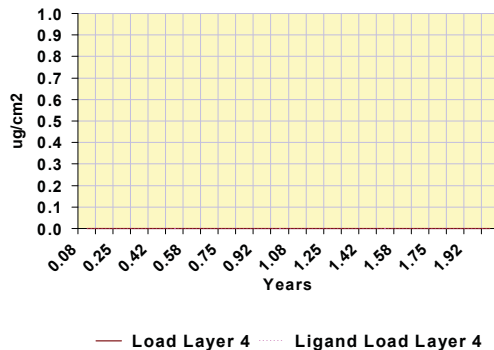
Output File: 777NFS
C:\SEV7 WIN7\S01.OUT

Chemical File: Benzene
c:\sev7 win7\BENZENE.CHM

Soil File: Depth weighted soil
C:\SEV7 WIN7\DEPTH_AVG_SOIL.SOI

Application File: SEVIEW Default Application Parameters
C:\SEV7 WIN7\S01.APL

Sublayer Loads	1	2	3	4	5	6	7	8	9	10
Layer 1 (ug/g)	3.20E-04	3.20E-04	3.20E-04	3.20E-04	3.20E-04	3.20E-04	3.20E-04	3.20E-04	3.20E-04	3.20E-04
Layer 2 (ug/g)	3.70E-06	3.70E-06	3.70E-06	3.70E-06	3.70E-06	3.70E-06	3.70E-06	3.70E-06	3.70E-06	3.70E-06
Layer 3 (ug/g)	3.70E-06	5.00E-06	5.00E-06	5.00E-06	5.00E-06	5.00E-06	5.00E-06	5.00E-06	5.00E-06	5.00E-06
Layer 4 (ug/g)	5.00E-06	5.00E-06	5.00E-06	5.00E-06	5.00E-06	5.00E-06	5.00E-06	5.00E-06	5.00E-06	5.00E-06



SESOIL Profile and Load Report

Layer No.	Number of Sub-Layers	Thickness		Intrinsic Permeability	Organic Carbon Content	Adsorption Coefficient	Cation Exchange Capacity	Freundlich Exponent	Solid Phase Degradation Rate	Liquid Phase Degradation Rate	Soil pH
		cm	feet								
1	10	428.0	14.04	1.00E-10	0.01	0.00	0.00	1.00	0.00E+00	0.00E+00	7.00
2	10	873.0	28.64	1.00E-10	0.01	0.00	0.00	1.00	0.00E+00	0.00E+00	7.00
3	10	873.0	28.64	1.00E-10	0.01	0.00	0.00	1.00	0.00E+00	0.00E+00	7.00
4	10	873.0	28.64	1.00E-10	0.01	0.00	0.00	1.00	0.00E+00	0.00E+00	7.00

Soil Parameters

Bulk Density (g/cm ³)	1.86
Effective Porosity (fraction)	0.30
Soil Pore Disconnectedness	6.50

Chemical Parameters

Water Solubility (µg/mL)	1.78E+3	Moles Ligand / Moles Chemical	0.00
Henry's Law (M ³ atm/mol)	5.55E-3	Ligand Molecular Weight(g/mol)	0.00
K _{OC} Adsorp (µg/g)/(µg/mL)	31.00		
K _d Adsorp (µg/g)/(µg/mL)	0.00		
Valence (g/mole)	0.00	Ligand Dissociation Constant	0.00
Air Diffusion (cm ² /sec)	7.70E-2	Base Hydrolysis Rate(L/mol/day)	0.00
Water Diffusion (cm ² /sec)	9.80E-6	Neutral Hydrolysis (L/mol/day)	0.00
Molecular Weight (g/mol)	78.10	Acid Hydrolysis (L/mol/day)	0.00

Application Parameters

Area	cm ²	1.00E+4
	ft ²	10.76
Latitude	degrees	34.0
Spill Index		1

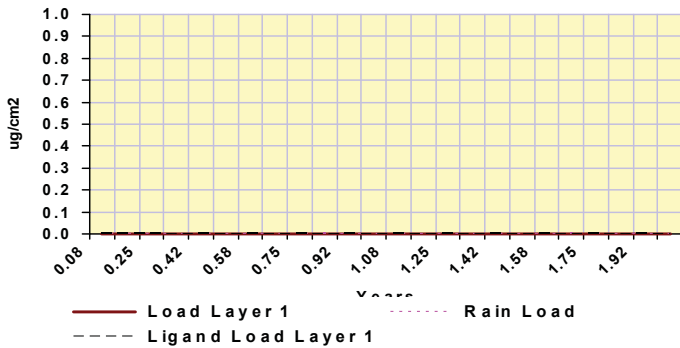
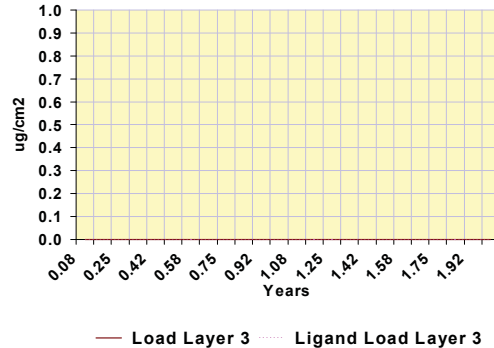
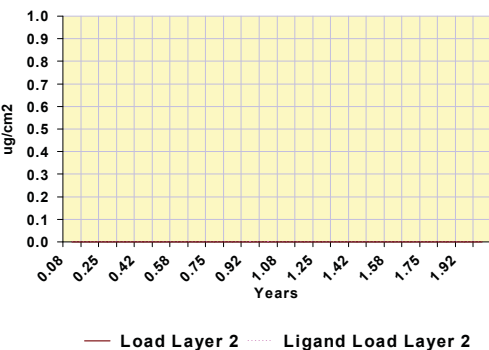
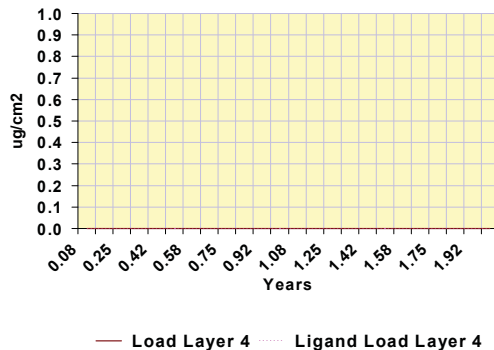
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C:\SEV7 WIN7\S01.OUT

Chemical File: Benzene
c:\sev7 win7\BENZENE.CHM

Soil File: Depth weighted soil
C:\SEV7 WIN7\DEPTH_AVG_SOIL.SOI

Application File: SEVIEW Default Application Parameters
C:\SEV7 WIN7\S01.APL

Sublayer Loads	1	2	3	4	5	6	7	8	9	10
Layer 1 (ug/g)	3.20E-04	3.20E-04	3.20E-04	3.20E-04	3.20E-04	3.20E-04	3.20E-04	3.20E-04	3.20E-04	3.20E-04
Layer 2 (ug/g)	3.60E-06	3.60E-06	3.60E-06	3.60E-06	3.60E-06	3.60E-06	3.60E-06	3.60E-06	3.60E-06	3.60E-06
Layer 3 (ug/g)	3.60E-06	4.90E-06	4.90E-06	4.90E-06	4.90E-06	4.90E-06	4.90E-06	4.90E-06	4.90E-06	4.90E-06
Layer 4 (ug/g)	4.90E-06	4.90E-06	4.90E-06	4.90E-06	4.90E-06	4.90E-06	4.90E-06	4.90E-06	4.90E-06	4.90E-06



SESOIL Profile and Load Report

Layer No.	Number of Sub-Layers	Thickness		Intrinsic Permeability	Organic Carbon Content	Adsorption Coefficient	Cation Exchange Capacity	Freundlich Exponent	Solid Phase Degradation Rate	Liquid Phase Degradation Rate	Soil pH
		cm	feet								
1	10	428.0	14.04	1.00E-10	0.01	0.00	0.00	1.00	0.00E+00	0.00E+00	7.00
2	10	873.0	28.64	1.00E-10	0.01	0.00	0.00	1.00	0.00E+00	0.00E+00	7.00
3	10	873.0	28.64	1.00E-10	0.01	0.00	0.00	1.00	0.00E+00	0.00E+00	7.00
4	10	873.0	28.64	1.00E-10	0.01	0.00	0.00	1.00	0.00E+00	0.00E+00	7.00

Soil Parameters

Bulk Density (g/cm ³)	1.86
Effective Porosity (fraction)	0.30
Soil Pore Disconnectedness	6.50

Application Parameters

Area	cm ²	1.00E+4
	ft ²	10.76
Latitude	degrees	34.0
Spill Index		1

Chemical Parameters

Water Solubility (µg/mL)	1.78E+3	Moles Ligand / Moles Chemical	0.00
Henry's Law (M ³ atm/mol)	5.55E-3	Ligand Molecular Weight(g/mol)	0.00
K _{OC} Adsorp (µg/g)/(µg/mL)	31.00		
K _d Adsorp (µg/g)/(µg/mL)	0.00		
Valence (g/mole)	0.00	Ligand Dissociation Constant	0.00
Air Diffusion (cm ² /sec)	7.70E-2	Base Hydrolysis Rate(L/mol/day)	0.00
Water Diffusion (cm ² /sec)	9.80E-6	Neutral Hydrolysis (L/mol/day)	0.00
Molecular Weight (g/mol)	78.10	Acid Hydrolysis (L/mol/day)	0.00

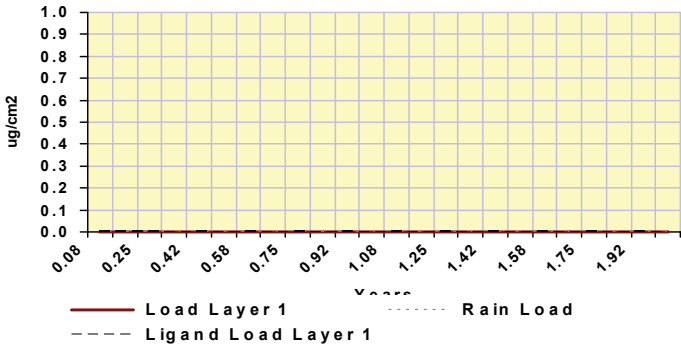
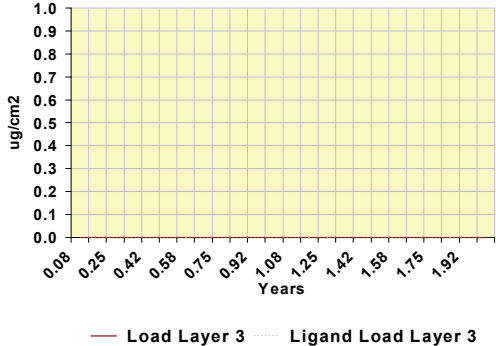
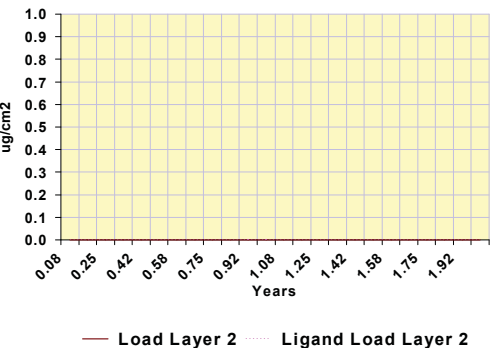
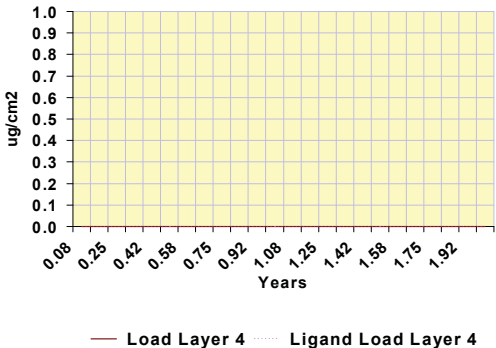
Output File: 777NFS
C:\SEV7 WIN7\S01.OUT

Chemical File: Benzene
c:\sev7 win7\BENZENE.CHM

Soil File: Depth weighted soil
C:\SEV7 WIN7\DEPTH_AVG_SOIL.SOI

Application File: SEVIEW Default Application Parameters
C:\SEV7 WIN7\S01.APL

Sublayer Loads	1	2	3	4	5	6	7	8	9	10
Layer 1 (ug/g)	3.20E-04	3.20E-04	3.20E-04	3.20E-04	3.20E-04	3.20E-04	3.20E-04	3.20E-04	3.20E-04	3.20E-04
Layer 2 (ug/g)	3.50E-06	3.50E-06	3.50E-06	3.50E-06	3.50E-06	3.60E-06	3.50E-06	3.50E-06	3.50E-06	3.50E-06
Layer 3 (ug/g)	3.50E-06	4.70E-06	4.70E-06	4.70E-06	4.70E-06	4.70E-06	4.70E-06	4.70E-06	4.70E-06	4.70E-06
Layer 4 (ug/g)	4.70E-06	4.70E-06	4.70E-06	4.70E-06	4.70E-06	4.70E-06	4.70E-06	4.70E-06	4.70E-06	4.70E-06



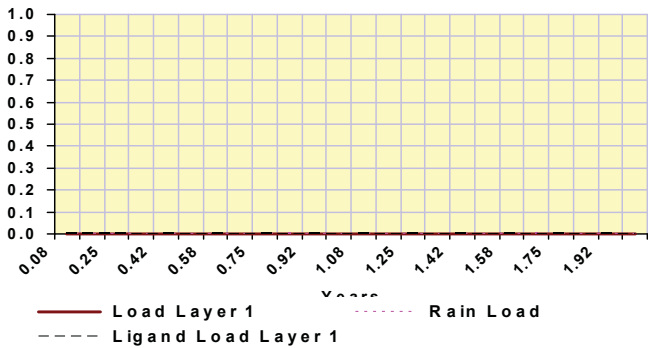
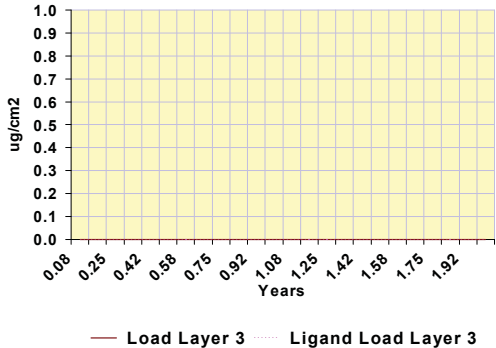
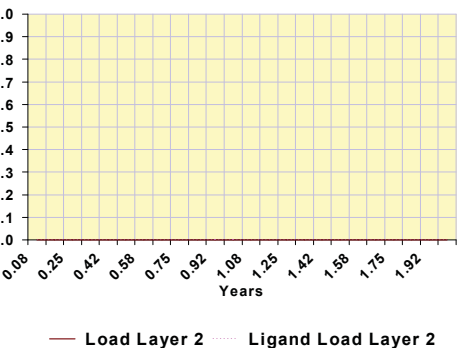
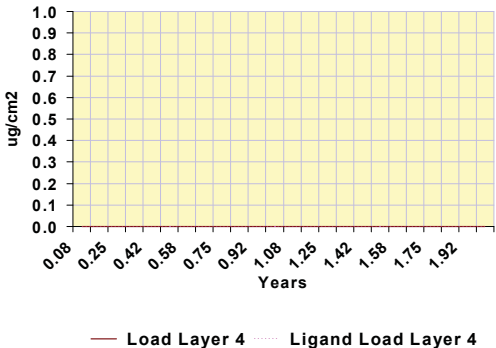
SESOIL Profile and Load Report

Layer No.	Number of Sub-Layers	Thickness		Intrinsic Permeability	Organic Carbon Content	Adsorption Coefficient	Cation Exchange Capacity	Freundlich Exponent	Solid Phase Degradation Rate	Liquid Phase Degradation Rate	Soil pH
		cm	feet								
1	10	428.0	14.04	1.00E-10	0.01	1800000	0.00	1.00	0.00E+00	0.00E+00	7.00
2	10	873.0	28.64	1.00E-10	0.01	1800000	0.00	1.00	0.00E+00	0.00E+00	7.00
3	10	873.0	28.64	1.00E-10	0.01	1800000	0.00	1.00	0.00E+00	0.00E+00	7.00
4	10	873.0	28.64	1.00E-10	0.01	1800000	0.00	1.00	0.00E+00	0.00E+00	7.00

Soil Parameters		Chemical Parameters			
Bulk Density (g/cm ³)	1.86	Water Solubility (µg/mL)	1.20E+4	Moles Ligand / Moles Chemical	0.00
Effective Porosity (fraction)	0.30	Henry's Law (M ³ atm/mol)	0.00	Ligand Molecular Weight(g/mol)	0.00
Soil Pore Disconnectedness	6.50	K _{OC} Adsorp (µg/g)/(µg/mL)	0.00		
		K _d Adsorp (µg/g)/(µg/mL)	1800000		
		Valence (g/mole)	0.00	Ligand Dissociation Constant	0.00
		Air Diffusion (cm ² /sec)	0.00	Base Hydrolysis Rate(L/mol/day)	0.00
		Water Diffusion (cm ² /sec)	0.00	Neutral Hydrolysis (L/mol/day)	0.00
		Molecular Weight (g/mol)	0.00	Acid Hydrolysis (L/mol/day)	0.00

Output File: 777NFS
C:\SEV7 WIN7\S01.OUT
Chemical File: Chromium (III) (Insoluble Salts) (Kd)
c:\sev7 win7\CHROMIUM (III) (INSOLUBLE SALTS) (KD).CHM
Soil File: Depth weighted soil
C:\SEV7 WIN7\DEPTH_AVG_SOIL.SOI
Application File: SEVIEW Default Application Parameters
C:\SEV7 WIN7\S01.APL

Sublayer Loads	1	2	3	4	5	6	7	8	9	10
Layer 1 (ug/g)	2.94E+01	2.94E+01	2.94E+01	2.94E+01	2.94E+01	2.94E+01	2.94E+01	2.94E+01	2.94E+01	2.94E+01
Layer 2 (ug/g)	2.80E+01	2.80E+01	2.80E+01	2.80E+01	2.80E+01	2.80E+01	2.80E+01	2.80E+01	2.80E+01	2.80E+01
Layer 3 (ug/g)	2.80E+01									
Layer 4 (ug/g)										



SESOIL Profile and Load Report

Layer No.	Number of Sub-Layers	Thickness		Intrinsic Permeability	Organic Carbon Content	Adsorption Coefficient	Cation Exchange Capacity	Freundlich Exponent	Solid Phase Degradation Rate	Liquid Phase Degradation Rate	Soil pH
		cm	feet								
1	10	428.0	14.04	1.00E-10	0.01	19.00	0.00	1.00	0.00E+00	0.00E+00	7.00
2	10	873.0	28.64	1.00E-10	0.01	19.00	0.00	1.00	0.00E+00	0.00E+00	7.00
3	10	873.0	28.64	1.00E-10	0.01	19.00	0.00	1.00	0.00E+00	0.00E+00	7.00
4	10	873.0	28.64	1.00E-10	0.01	19.00	0.00	1.00	0.00E+00	0.00E+00	7.00

Soil Parameters

Bulk Density (g/cm ³)	1.86
Effective Porosity (fraction)	0.30
Soil Pore Disconnectedness	6.50

Chemical Parameters

Water Solubility (µg/mL)	1.20E+4	Moles Ligand / Moles Chemical	0.00
Henry's Law (M ³ atm/mol)	0.00	Ligand Molecular Weight(g/mol)	0.00
K _{OC} Adsorp (µg/g)/(µg/mL)	0.00		
K _d Adsorp (µg/g)/(µg/mL)	19.00		
Valence (g/mole)	6.00	Ligand Dissociation Constant	0.00
Air Diffusion (cm ² /sec)	0.00	Base Hydrolysis Rate(L/mol/day)	0.00
Water Diffusion (cm ² /sec)	0.00	Neutral Hydrolysis (L/mol/day)	0.00
Molecular Weight (g/mol)	0.00	Acid Hydrolysis (L/mol/day)	0.00

Application Parameters

Area	cm ²	1.00E+4
	ft ²	10.76
Latitude	degrees	34.0
Spill Index		1

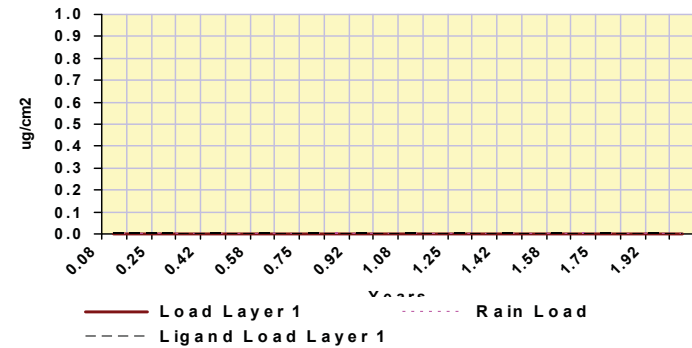
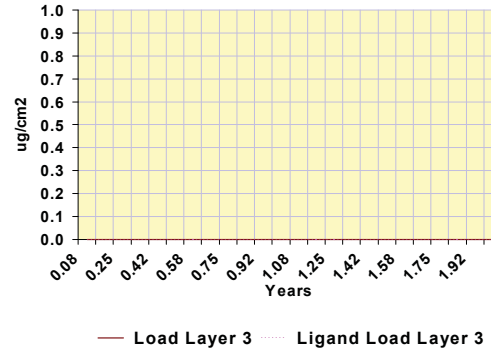
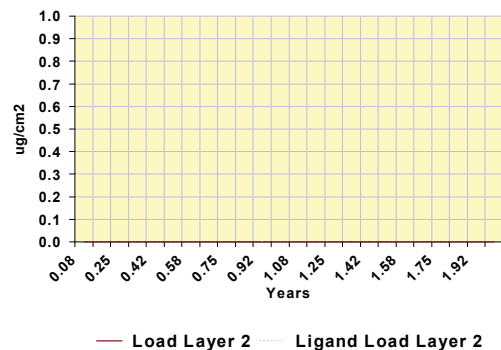
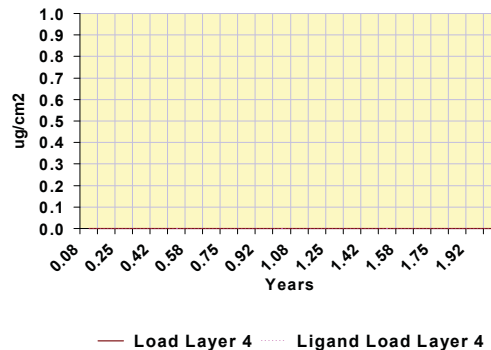
Output File: 777NFS
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Chemical File: Chromium VI (particulates) (Kd)
c:\sev7 win7\CHROMIUM VI (PARTICULATES) (KD).CHM

Soil File: Depth weighted soil
C:\SEV7 WIN7\DEPTH_AVG_SOIL.SOI

Application File: SEVIEW Default Application Parameters
C:\SEV7 WIN7\S01.APL

Sublayer Loads	1	2	3	4	5	6	7	8	9	10
Layer 1 (ug/g)	2.94E+01	2.94E+01	2.94E+01	2.94E+01	2.94E+01	2.94E+01	2.94E+01	2.94E+01	2.94E+01	2.94E+01
Layer 2 (ug/g)	2.80E+01	2.80E+01	2.80E+01	2.80E+01	2.80E+01	2.80E+01	2.80E+01	2.80E+01	2.80E+01	2.80E+01
Layer 3 (ug/g)	2.80E+01									
Layer 4 (ug/g)										



SESOIL Profile and Load Report

Layer No.	Number of Sub-Layers	Thickness		Intrinsic Permeability	Organic Carbon Content	Adsorption Coefficient	Cation Exchange Capacity	Freundlich Exponent	Solid Phase Degradation Rate	Liquid Phase Degradation Rate	Soil pH
		cm	feet								
1	10	428.0	14.04	1.00E-10	0.01	0.00	0.00	1.00	0.00E+00	0.00E+00	7.00
2	10	873.0	28.64	1.00E-10	0.01	0.00	0.00	1.00	0.00E+00	0.00E+00	7.00
3	10	873.0	28.64	1.00E-10	0.01	0.00	0.00	1.00	0.00E+00	0.00E+00	7.00
4	10	873.0	28.64	1.00E-10	0.01	0.00	0.00	1.00	0.00E+00	0.00E+00	7.00

Soil Parameters

Bulk Density (g/cm ³)	1.86
Effective Porosity (fraction)	0.30
Soil Pore Disconnectedness	6.50

Chemical Parameters

Water Solubility (µg/mL)	200.0	Moles Ligand / Moles Chemical	0.00
Henry's Law (M ³ atm/mol)	1.84E-2	Ligand Molecular Weight(g/mol)	0.00
K _{OC} Adsorp (µg/g)/(µg/mL)	265.00		
K _d Adsorp (µg/g)/(µg/mL)	0.00		
Valence (g/mole)	0.00	Ligand Dissociation Constant	0.00
Air Diffusion (cm ² /sec)	7.20E-2	Base Hydrolysis Rate(L/mol/day)	0.00
Water Diffusion (cm ² /sec)	8.20E-6	Neutral Hydrolysis (L/mol/day)	0.00
Molecular Weight (g/mol)	166.00	Acid Hydrolysis (L/mol/day)	0.00

Application Parameters

Area	cm ²	1.00E+4
	ft ²	10.76
Latitude	degrees	34.0
Spill Index		1

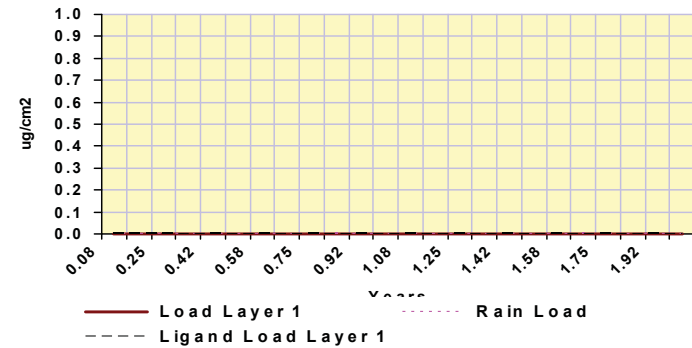
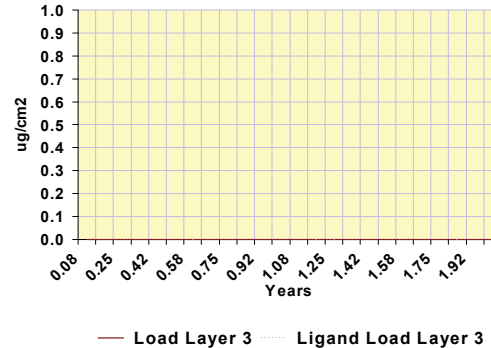
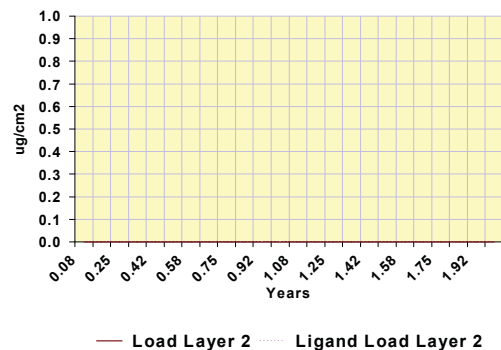
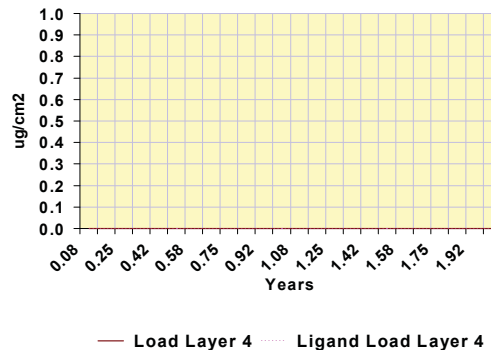
Output File: 777NFS
C:\SEV7 WIN7\S01.OUT

Chemical File: PCE (Tetrachloroethene) OEPA 2003
c:\sev7 win7\PCE (TETRACHLOROETHENE) OEPA 2003.CHM

Soil File: Depth weighted soil
C:\SEV7 WIN7\DEPTH_AVG_SOIL.SOI

Application File: SEVIEW Default Application Parameters
C:\SEV7 WIN7\S01.APL

Sublayer Loads	1	2	3	4	5	6	7	8	9	10
Layer 1 (ug/g)	5.70E-02	5.70E-02	5.70E-02	5.70E-02	5.70E-02	5.70E-02	5.70E-02	5.70E-02	5.70E-02	5.70E-02
Layer 2 (ug/g)	1.36E+01	1.36E+01	1.36E+01	1.36E+01	1.36E+01	1.36E+01	1.36E+01	1.36E+01	1.36E+01	1.36E+01
Layer 3 (ug/g)	1.36E+01	8.57E+00	8.57E+00	8.57E+00	8.57E+00	8.57E+00	8.57E+00	8.57E+00	8.57E+00	8.57E+00
Layer 4 (ug/g)	8.57E+00	8.57E+00	8.57E+00	8.57E+00	8.57E+00	8.57E+00	8.57E+00	8.57E+00	8.57E+00	8.57E+00



SESOIL Profile and Load Report

Layer No.	Number of Sub-Layers	Thickness		Intrinsic Permeability	Organic Carbon Content	Adsorption Coefficient	Cation Exchange Capacity	Freundlich Exponent	Solid Phase Degradation Rate	Liquid Phase Degradation Rate	Soil pH
		cm	feet								
1	10	428.0	14.04	1.00E-10	0.01	0.00	0.00	1.00	0.00E+00	0.00E+00	7.00
2	10	873.0	28.64	1.00E-10	0.01	0.00	0.00	1.00	0.00E+00	0.00E+00	7.00
3	10	873.0	28.64	1.00E-10	0.01	0.00	0.00	1.00	0.00E+00	0.00E+00	7.00
4	10	873.0	28.64	1.00E-10	0.01	0.00	0.00	1.00	0.00E+00	0.00E+00	7.00

Soil Parameters

Bulk Density (g/cm ³)	1.86
Effective Porosity (fraction)	0.30
Soil Pore Disconnectedness	6.50

Chemical Parameters

Water Solubility (µg/mL)	200.0	Moles Ligand / Moles Chemical	0.00
Henry's Law (M ³ atm/mol)	1.84E-2	Ligand Molecular Weight(g/mol)	0.00
K _{OC} Adsorp (µg/g)/(µg/mL)	265.00		
K _d Adsorp (µg/g)/(µg/mL)	0.00		
Valence (g/mole)	0.00	Ligand Dissociation Constant	0.00
Air Diffusion (cm ² /sec)	7.20E-2	Base Hydrolysis Rate(L/mol/day)	0.00
Water Diffusion (cm ² /sec)	8.20E-6	Neutral Hydrolysis (L/mol/day)	0.00
Molecular Weight (g/mol)	166.00	Acid Hydrolysis (L/mol/day)	0.00

Application Parameters

Area	cm ²	1.00E+4
	ft ²	10.76
Latitude	degrees	34.0
Spill Index		1

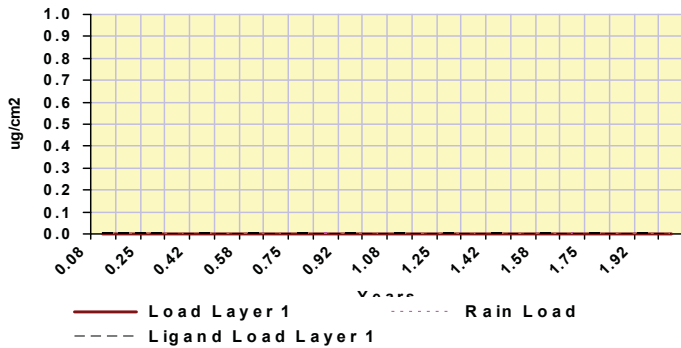
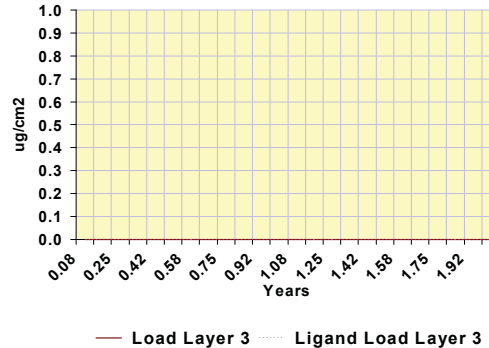
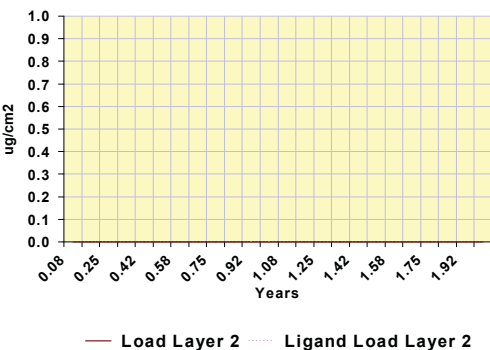
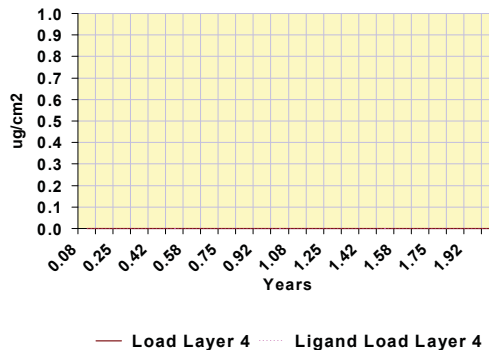
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C:\SEV7 WIN7\S01.OUT

Chemical File: PCE (Tetrachloroethene) OEPA 2003
c:\sev7 win7\PCE (TETRACHLOROETHENE) OEPA 2003.CHM

Soil File: Depth weighted soil
C:\SEV7 WIN7\DEPTH_AVG_SOIL.SOI

Application File: SEVIEW Default Application Parameters
C:\SEV7 WIN7\S01.APL

Sublayer Loads	1	2	3	4	5	6	7	8	9	10
Layer 1 (ug/g)	5.70E-02	5.70E-02	5.70E-02	5.70E-02	5.70E-02	5.70E-02	5.70E-02	5.70E-02	5.70E-02	5.70E-02
Layer 2 (ug/g)	1.36E+01	1.36E+01	1.36E+01	1.36E+01	1.36E+01	1.36E+01	1.36E+01	1.36E+01	1.36E+01	1.36E+01
Layer 3 (ug/g)	1.36E+01	8.56E+00	8.56E+00	8.56E+00	8.56E+00	8.56E+00	8.56E+00	8.56E+00	8.56E+00	8.56E+00
Layer 4 (ug/g)	8.56E+00	8.56E+00	8.56E+00	8.56E+00	8.56E+00	8.56E+00	8.56E+00	8.56E+00	8.56E+00	8.56E+00



SESOIL Profile and Load Report

Layer No.	Number of Sub-Layers	Thickness		Intrinsic Permeability	Organic Carbon Content	Adsorption Coefficient	Cation Exchange Capacity	Freundlich Exponent	Solid Phase Degradation Rate	Liquid Phase Degradation Rate	Soil pH
		cm	feet								
1	10	428.0	14.04	1.00E-10	0.01	0.00	0.00	1.00	0.00E+00	0.00E+00	7.00
2	10	873.0	28.64	1.00E-10	0.01	0.00	0.00	1.00	0.00E+00	0.00E+00	7.00
3	10	873.0	28.64	1.00E-10	0.01	0.00	0.00	1.00	0.00E+00	0.00E+00	7.00
4	10	873.0	28.64	1.00E-10	0.01	0.00	0.00	1.00	0.00E+00	0.00E+00	7.00

Soil Parameters

Bulk Density (g/cm ³)	1.86
Effective Porosity (fraction)	0.30
Soil Pore Disconnectedness	6.50

Chemical Parameters

Water Solubility (µg/mL)	200.0	Moles Ligand / Moles Chemical	0.00
Henry's Law (M ³ atm/mol)	1.84E-2	Ligand Molecular Weight(g/mol)	0.00
K _{OC} Adsorp (µg/g)/(µg/mL)	265.00		
K _d Adsorp (µg/g)/(µg/mL)	0.00		
Valence (g/mole)	0.00	Ligand Dissociation Constant	0.00
Air Diffusion (cm ² /sec)	7.20E-2	Base Hydrolysis Rate(L/mol/day)	0.00
Water Diffusion (cm ² /sec)	8.20E-6	Neutral Hydrolysis (L/mol/day)	0.00
Molecular Weight (g/mol)	166.00	Acid Hydrolysis (L/mol/day)	0.00

Application Parameters

Area	cm ²	1.00E+4
	ft ²	10.76
Latitude	degrees	34.0
Spill Index		1

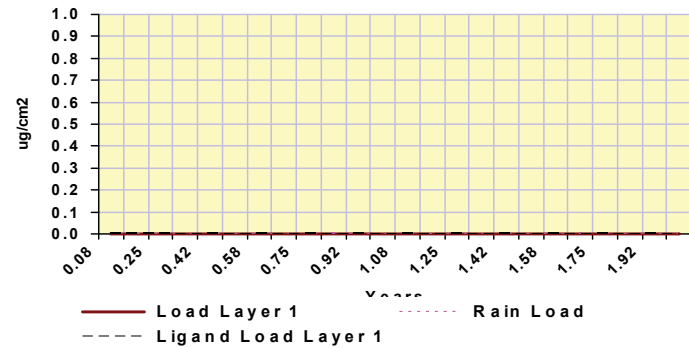
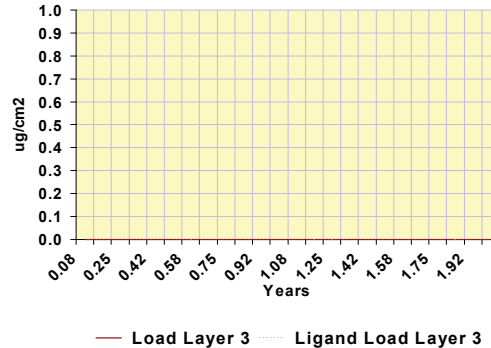
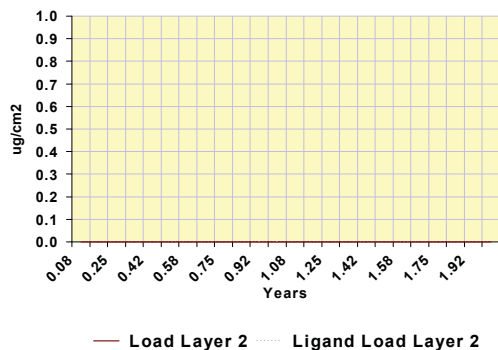
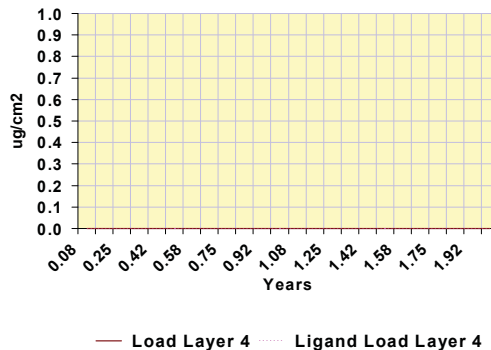
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Chemical File: PCE (Tetrachloroethene) OEPA 2003
c:\sev7 win7\PCE (TETRACHLOROETHENE) OEPA 2003.CHM

Soil File: Depth weighted soil
C:\SEV7 WIN7\DEPTH_AVG_SOIL.SOI

Application File: SEVIEW Default Application Parameters
C:\SEV7 WIN7\S01.APL

Sublayer Loads	1	2	3	4	5	6	7	8	9	10
Layer 1 (ug/g)	5.70E-02	5.70E-02	5.70E-02	5.70E-02	5.70E-02	5.70E-02	5.70E-02	5.70E-02	5.70E-02	5.70E-02
Layer 2 (ug/g)	1.36E+01	1.36E+01	1.36E+01	1.36E+01	1.36E+01	1.36E+01	1.36E+01	1.36E+01	1.36E+01	1.36E+01
Layer 3 (ug/g)	1.36E+01	8.55E+00	8.55E+00	8.55E+00	8.55E+00	8.55E+00	8.55E+00	8.55E+00	8.55E+00	8.55E+00
Layer 4 (ug/g)	8.55E+00	8.55E+00	8.55E+00	8.55E+00	8.55E+00	8.55E+00	8.55E+00	8.55E+00	8.55E+00	8.55E+00



SESOIL Profile and Load Report

Layer No.	Number of Sub-Layers	Thickness		Intrinsic Permeability	Organic Carbon Content	Adsorption Coefficient	Cation Exchange Capacity	Freundlich Exponent	Solid Phase Degradation Rate	Liquid Phase Degradation Rate	Soil pH
		cm	feet								
1	10	428.0	14.04	1.00E-10	0.01	0.00	0.00	1.00	0.00E+00	0.00E+00	7.00
2	10	873.0	28.64	1.00E-10	0.01	0.00	0.00	1.00	0.00E+00	0.00E+00	7.00
3	10	873.0	28.64	1.00E-10	0.01	0.00	0.00	1.00	0.00E+00	0.00E+00	7.00
4	10	873.0	28.64	1.00E-10	0.01	0.00	0.00	1.00	0.00E+00	0.00E+00	7.00

Soil Parameters

Bulk Density (g/cm ³)	1.86
Effective Porosity (fraction)	0.30
Soil Pore Disconnectedness	6.50

Application Parameters

Area	cm ²	1.00E+4
	ft ²	10.76
Latitude	degrees	34.0
Spill Index		1

Chemical Parameters

Water Solubility (µg/mL)	2.80E+3	Moles Ligand / Moles Chemical	0.00
Henry's Law (M ³ atm/mol)	3.54E-3	Ligand Molecular Weight(g/mol)	0.00
K _{OC} Adsorp (µg/g)/(µg/mL)	80.80		
K _d Adsorp (µg/g)/(µg/mL)	0.00		
Valence (g/mole)	0.00	Ligand Dissociation Constant	0.00
Air Diffusion (cm ² /sec)	6.26E-2	Base Hydrolysis Rate(L/mol/day)	0.00
Water Diffusion (cm ² /sec)	1.00E-5	Neutral Hydrolysis (L/mol/day)	0.00
Molecular Weight (g/mol)	111.00	Acid Hydrolysis (L/mol/day)	0.00

Output File: 777NFS

C:\SEV7 WIN7\S01.OUT

Chemical File: Dichloropropene, 1,3-

c:\sev7 win7\DICHLOROPROPENE 1 3-.CHM

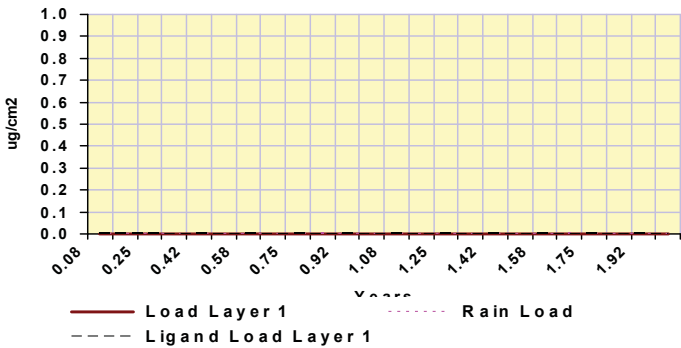
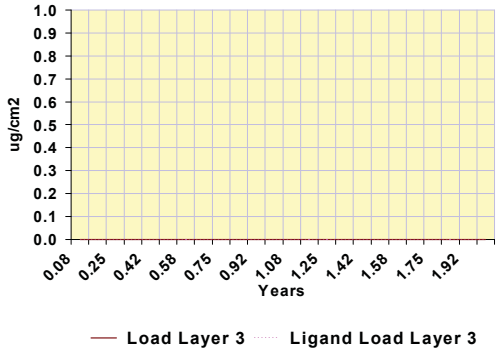
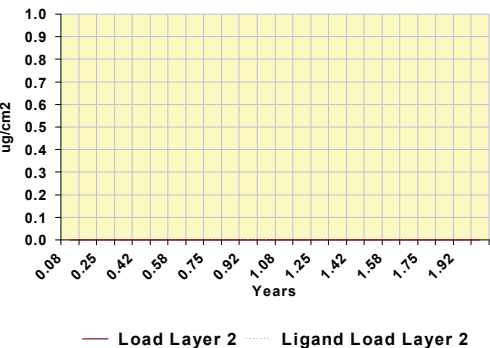
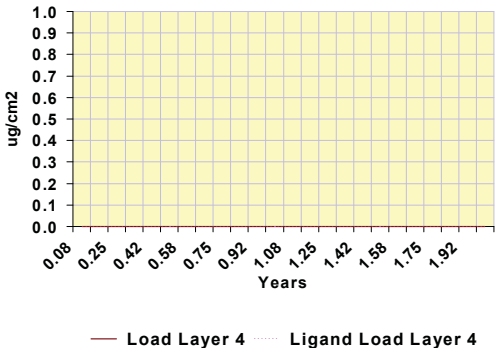
Soil File: Depth weighted soil

C:\SEV7 WIN7\DEPTH_AVG_SOIL.SOI

Application File: SEVIEW Default Application Parameters

C:\SEV7 WIN7\S01.APL

Sublayer Loads	1	2	3	4	5	6	7	8	9	10
Layer 1 (ug/g)	2.90E-02	2.90E-02	2.90E-02	2.90E-02	2.90E-02	2.90E-02	2.90E-02	2.90E-02	2.90E-02	2.90E-02
Layer 2 (ug/g)	7.70E-06	7.70E-06	7.70E-06	7.70E-06	7.70E-06	7.70E-06	7.70E-06	7.70E-06	7.70E-06	7.70E-06
Layer 3 (ug/g)	7.70E-06	7.70E-06	7.70E-06	7.70E-06	7.70E-06	7.70E-06	7.70E-06	7.70E-06	7.70E-06	7.70E-06
Layer 4 (ug/g)	7.70E-06	7.70E-06	7.70E-06	7.70E-06	7.70E-06	7.70E-06	7.70E-06	7.70E-06	7.70E-06	7.70E-06



SESOIL Profile and Load Report

Layer No.	Number of Sub-Layers	Thickness		Intrinsic Permeability	Organic Carbon Content	Adsorption Coefficient	Cation Exchange Capacity	Freundlich Exponent	Solid Phase Degradation Rate	Liquid Phase Degradation Rate	Soil pH
		cm	feet								
1	10	428.0	14.04	1.00E-10	0.01	0.00	0.00	1.00	0.00E+00	0.00E+00	7.00
2	10	873.0	28.64	1.00E-10	0.01	0.00	0.00	1.00	0.00E+00	0.00E+00	7.00
3	10	873.0	28.64	1.00E-10	0.01	0.00	0.00	1.00	0.00E+00	0.00E+00	7.00
4	10	873.0	28.64	1.00E-10	0.01	0.00	0.00	1.00	0.00E+00	0.00E+00	7.00

Soil Parameters			Chemical Parameters			
Bulk Density (g/cm ³)		1.86	Water Solubility (µg/mL)	2.80E+3	Moles Ligand / Moles Chemical	0.00
Effective Porosity (fraction)		0.30	Henry's Law (M ³ atm/mol)	3.54E-3	Ligand Molecular Weight(g/mol)	0.00
Soil Pore Disconnectedness		6.50	K _{oc} Adsorp (µg/g)/(µg/mL)	80.80		
Application Parameters			K _d Adsorp (µg/g)/(µg/mL)	0.00		
			Valence (g/mole)	0.00	Ligand Dissociation Constant	0.00
Area cm ² ft ²		1.00E+4 10.76	Air Diffusion (cm ² /sec)	6.26E-2	Base Hydrolysis Rate(L/mol/day)	0.00
Latitude degrees		34.0	Water Diffusion (cm ² /sec)	1.00E-5	Neutral Hydrolysis (L/mol/day)	0.00
Spill Index		1	Molecular Weight (g/mol)	111.00	Acid Hydrolysis (L/mol/day)	0.00

SESOIL Profile and Load Report

Layer No.	Number of Sub-Layers	Thickness		Intrinsic Permeability	Organic Carbon Content	Adsorption Coefficient	Cation Exchange Capacity	Freundlich Exponent	Solid Phase Degradation Rate	Liquid Phase Degradation Rate	Soil pH
		cm	feet								
1	10	428.0	14.04	1.00E-10	0.01	0.00	0.00	1.00	0.00E+00	0.00E+00	7.00
2	10	873.0	28.64	1.00E-10	0.01	0.00	0.00	1.00	0.00E+00	0.00E+00	7.00
3	10	873.0	28.64	1.00E-10	0.01	0.00	0.00	1.00	0.00E+00	0.00E+00	7.00
4	10	873.0	28.64	1.00E-10	0.01	0.00	0.00	1.00	0.00E+00	0.00E+00	7.00

Soil Parameters

Bulk Density (g/cm ³)	1.86
Effective Porosity (fraction)	0.30
Soil Pore Disconnectedness	6.50

Chemical Parameters

Water Solubility (µg/mL)	2.80E+3	Moles Ligand / Moles Chemical	0.00
Henry's Law (M ³ atm/mol)	3.54E-3	Ligand Molecular Weight(g/mol)	0.00
K _{OC} Adsorp (µg/g)/(µg/mL)	80.80		
K _d Adsorp (µg/g)/(µg/mL)	0.00		
Valence (g/mole)	0.00	Ligand Dissociation Constant	0.00
Air Diffusion (cm ² /sec)	6.26E-2	Base Hydrolysis Rate(L/mol/day)	0.00
Water Diffusion (cm ² /sec)	1.00E-5	Neutral Hydrolysis (L/mol/day)	0.00
Molecular Weight (g/mol)	111.00	Acid Hydrolysis (L/mol/day)	0.00

Application Parameters

Area	cm ²	1.00E+4
	ft ²	10.76
Latitude	degrees	34.0
Spill Index		1

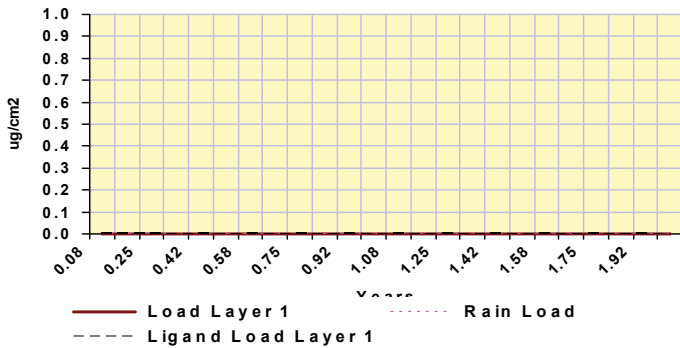
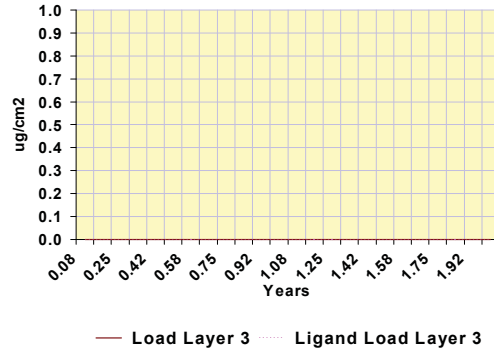
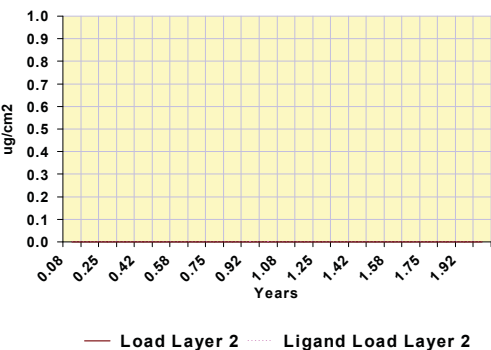
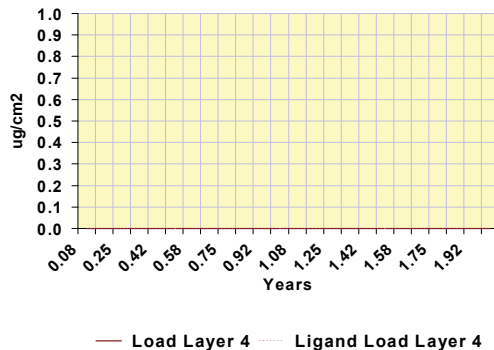
Output File: 777NFS
C:\SEV7 WIN7\S01.OUT

Chemical File: Dichloropropene, 1,3-
c:\sev7 win7\DICHLOROPROPENE 1 3-.CHM

Soil File: Depth weighted soil
C:\SEV7 WIN7\DEPTH_AVG_SOIL.SOI

Application File: SEVIEW Default Application Parameters
C:\SEV7 WIN7\S01.APL

Sublayer Loads	1	2	3	4	5	6	7	8	9	10
Layer 1 (ug/g)	2.90E-02	2.90E-02	2.90E-02	2.90E-02	2.90E-02	2.90E-02	2.90E-02	2.90E-02	2.90E-02	2.90E-02
Layer 2 (ug/g)	7.50E-06	7.50E-06	7.50E-06	7.50E-06	7.50E-06	7.50E-06	7.50E-06	7.50E-06	7.50E-06	7.50E-06
Layer 3 (ug/g)	7.50E-06	7.50E-06	7.50E-06	7.50E-06	7.50E-06	7.50E-06	7.50E-06	7.50E-06	7.50E-06	7.50E-06
Layer 4 (ug/g)	7.50E-06	7.50E-06	7.50E-06	7.50E-06	7.50E-06	7.50E-06	7.50E-06	7.50E-06	7.50E-06	7.50E-06



SESOIL Profile and Load Report

Layer No.	Number of Sub-Layers	Thickness		Intrinsic Permeability	Organic Carbon Content	Adsorption Coefficient	Cation Exchange Capacity	Freundlich Exponent	Solid Phase Degradation Rate	Liquid Phase Degradation Rate	Soil pH
		cm	feet								
1	10	428.0	14.04	1.00E-10	0.01	0.00	0.00	1.00	0.00E+00	0.00E+00	7.00
2	10	873.0	28.64	1.00E-10	0.01	0.00	0.00	1.00	0.00E+00	0.00E+00	7.00
3	10	873.0	28.64	1.00E-10	0.01	0.00	0.00	1.00	0.00E+00	0.00E+00	7.00
4	10	873.0	28.64	1.00E-10	0.01	0.00	0.00	1.00	0.00E+00	0.00E+00	7.00

Soil Parameters

Bulk Density (g/cm ³)	1.86
Effective Porosity (fraction)	0.30
Soil Pore Disconnectedness	6.50

Chemical Parameters

Water Solubility (µg/mL)	1.10E+3	Moles Ligand / Moles Chemical	0.00
Henry's Law (M ³ atm/mol)	1.17E-2	Ligand Molecular Weight(g/mol)	0.00
K _{oc} Adsorp (µg/g)/(µg/mL)	166.00		
K _d Adsorp (µg/g)/(µg/mL)	0.00		
Valence (g/mole)	0.00	Ligand Dissociation Constant	0.00
Air Diffusion (cm ² /sec)	7.90E-2	Base Hydrolysis Rate(L/mol/day)	0.00
Water Diffusion (cm ² /sec)	9.10E-6	Neutral Hydrolysis (L/mol/day)	0.00
Molecular Weight (g/mol)	131.00	Acid Hydrolysis (L/mol/day)	0.00

Application Parameters

Area	cm ²	1.00E+4
	ft ²	10.76
Latitude	degrees	34.0
Spill Index		1

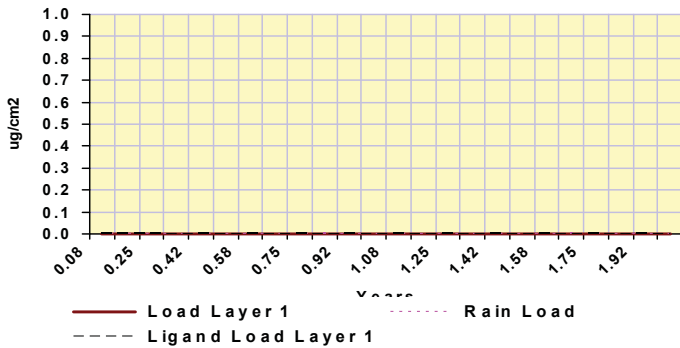
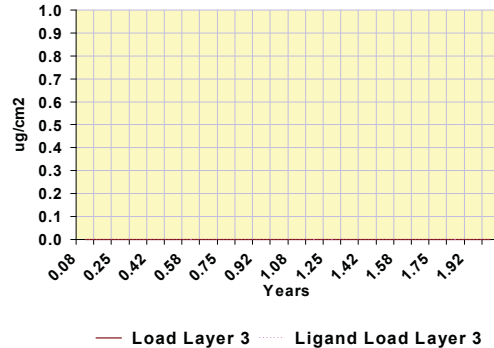
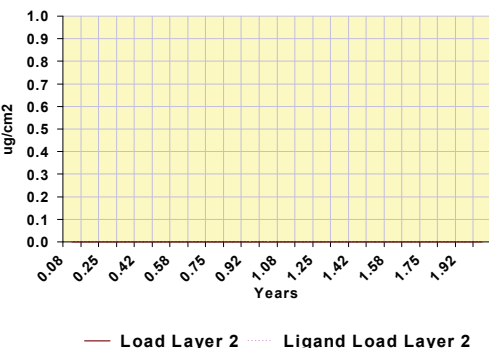
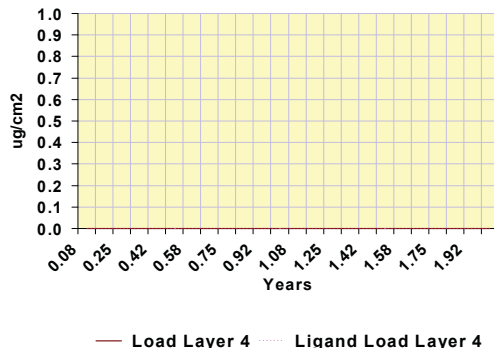
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C:\SEV7 WIN7\S01.OUT

Chemical File: Trichloroethylene (TCE)
c:\sev7 win7\TRICHLOROETHYLENE (TCE).CHM

Soil File: Depth weighted soil
C:\SEV7 WIN7\DEPTH_AVG_SOIL.SOI

Application File: SEVIEW Default Application Parameters
C:\SEV7 WIN7\S01.APL

Sublayer Loads	1	2	3	4	5	6	7	8	9	10
Layer 1 (ug/g)	2.23E-01	2.23E-01	2.23E-01	2.23E-01	2.23E-01	2.23E-01	2.23E-01	2.23E-01	2.23E-01	2.23E-01
Layer 2 (ug/g)	1.49E-02	1.49E-02	1.49E-02	1.49E-02	1.49E-02	1.49E-02	1.49E-02	1.49E-02	1.49E-02	1.49E-02
Layer 3 (ug/g)	1.49E-02	9.20E-03	9.20E-03	9.20E-03	9.20E-03	9.20E-03	9.20E-03	9.20E-03	9.20E-03	9.20E-03
Layer 4 (ug/g)	9.20E-03	9.20E-03	9.20E-03	9.20E-03	9.20E-03	9.20E-03	9.20E-03	9.20E-03	9.20E-03	9.20E-03



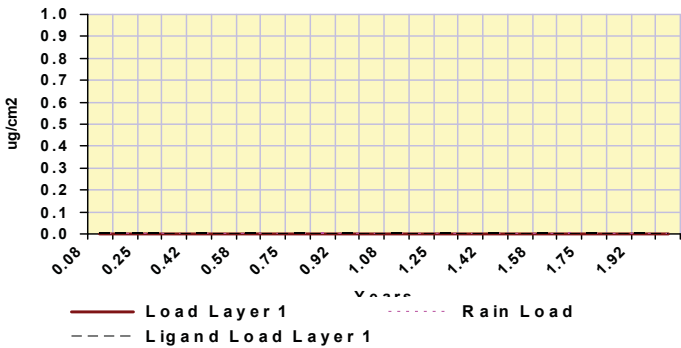
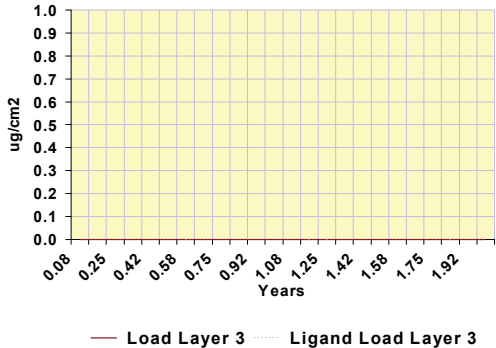
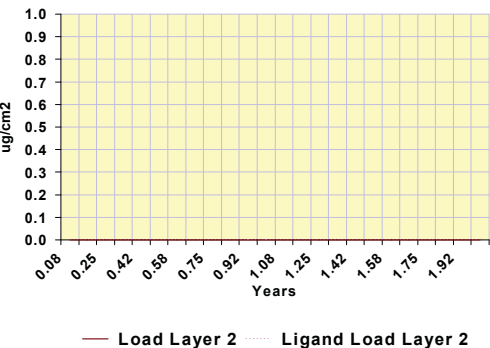
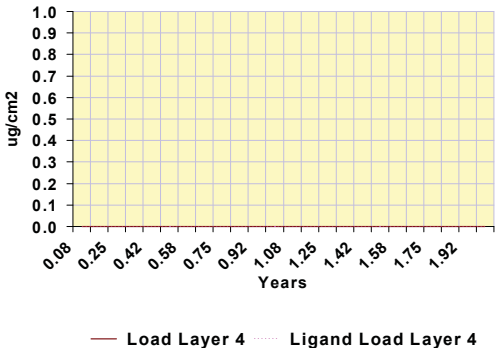
SESOIL Profile and Load Report

Layer No.	Number of Sub-Layers	Thickness		Intrinsic Permeability	Organic Carbon Content	Adsorption Coefficient	Cation Exchange Capacity	Freundlich Exponent	Solid Phase Degradation Rate	Liquid Phase Degradation Rate	Soil pH
		cm	feet								
1	10	428.0	14.04	1.00E-10	0.01	0.00	0.00	1.00	0.00E+00	0.00E+00	7.00
2	10	873.0	28.64	1.00E-10	0.01	0.00	0.00	1.00	0.00E+00	0.00E+00	7.00
3	10	873.0	28.64	1.00E-10	0.01	0.00	0.00	1.00	0.00E+00	0.00E+00	7.00
4	10	873.0	28.64	1.00E-10	0.01	0.00	0.00	1.00	0.00E+00	0.00E+00	7.00

Soil Parameters		Chemical Parameters			
Bulk Density (g/cm ³)	1.86	Water Solubility (µg/mL)	1.10E+3	Moles Ligand / Moles Chemical	0.00
Effective Porosity (fraction)	0.30	Henry's Law (M ³ atm/mol)	1.17E-2	Ligand Molecular Weight(g/mol)	0.00
Soil Pore Disconnectedness	6.50	K _{oc} Adsorp (µg/g)/(µg/mL)	166.00		
		K _d Adsorp (µg/g)/(µg/mL)	0.00		
		Valence (g/mole)	0.00	Ligand Dissociation Constant	0.00
		Air Diffusion (cm ² /sec)	7.90E-2	Base Hydrolysis Rate(L/mol/day)	0.00
		Water Diffusion (cm ² /sec)	9.10E-6	Neutral Hydrolysis (L/mol/day)	0.00
		Molecular Weight (g/mol)	131.00	Acid Hydrolysis (L/mol/day)	0.00

Output File: 777NFS
C:\SEV7 WIN7\S01.OUT
Chemical File: Trichloroethylene (TCE)
c:\sev7 win7\TRICHLOROETHYLENE (TCE).CHM
Soil File: Depth weighted soil
C:\SEV7 WIN7\DEPTH_AVG_SOIL.SOI
Application File: SEVIEW Default Application Parameters
C:\SEV7 WIN7\S01.APL

Sublayer Loads	1	2	3	4	5	6	7	8	9	10
Layer 1 (ug/g)	2.23E-01	2.23E-01	2.23E-01	2.23E-01	2.23E-01	2.23E-01	2.23E-01	2.23E-01	2.23E-01	2.23E-01
Layer 2 (ug/g)	1.49E-02	1.49E-02	1.49E-02	1.49E-02	1.49E-02	1.49E-02	1.49E-02	1.49E-02	1.49E-02	1.49E-02
Layer 3 (ug/g)	1.49E-02	9.10E-03	9.10E-03	9.10E-03	9.10E-03	9.10E-03	9.10E-03	9.10E-03	9.10E-03	9.10E-03
Layer 4 (ug/g)	9.10E-03	9.10E-03	9.10E-03	9.10E-03	9.10E-03	9.10E-03	9.10E-03	9.10E-03	9.10E-03	9.10E-03



SESOIL Profile and Load Report

Layer No.	Number of Sub-Layers	Thickness		Intrinsic Permeability	Organic Carbon Content	Adsorption Coefficient	Cation Exchange Capacity	Freundlich Exponent	Solid Phase Degradation Rate	Liquid Phase Degradation Rate	Soil pH
		cm	feet								
1	10	428.0	14.04	1.00E-10	0.01	0.00	0.00	1.00	0.00E+00	0.00E+00	7.00
2	10	873.0	28.64	1.00E-10	0.01	0.00	0.00	1.00	0.00E+00	0.00E+00	7.00
3	10	873.0	28.64	1.00E-10	0.01	0.00	0.00	1.00	0.00E+00	0.00E+00	7.00
4	10	873.0	28.64	1.00E-10	0.01	0.00	0.00	1.00	0.00E+00	0.00E+00	7.00

Soil Parameters

Bulk Density (g/cm ³)	1.86
Effective Porosity (fraction)	0.30
Soil Pore Disconnectedness	6.50

Chemical Parameters

Water Solubility (µg/mL)	1.10E+3	Moles Ligand / Moles Chemical	0.00
Henry's Law (M ³ atm/mol)	1.17E-2	Ligand Molecular Weight(g/mol)	0.00
K _{oc} Adsorp (µg/g)/(µg/mL)	166.00		
K _d Adsorp (µg/g)/(µg/mL)	0.00		
Valence (g/mole)	0.00	Ligand Dissociation Constant	0.00
Air Diffusion (cm ² /sec)	7.90E-2	Base Hydrolysis Rate(L/mol/day)	0.00
Water Diffusion (cm ² /sec)	9.10E-6	Neutral Hydrolysis (L/mol/day)	0.00
Molecular Weight (g/mol)	131.00	Acid Hydrolysis (L/mol/day)	0.00

Application Parameters

Area	cm ²	1.00E+4
	ft ²	10.76
Latitude	degrees	34.0
Spill Index		1

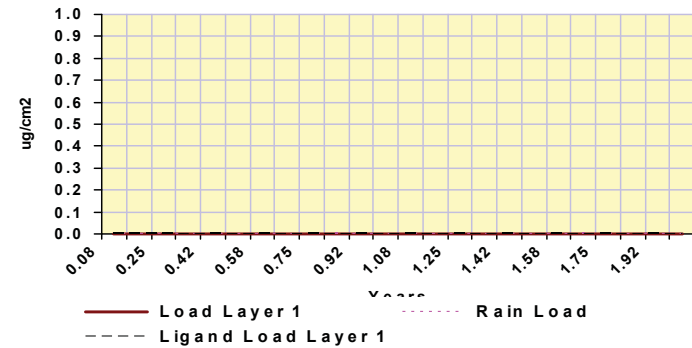
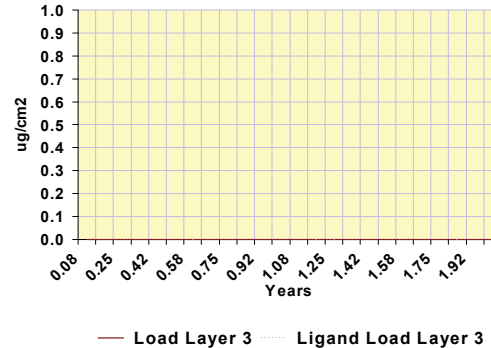
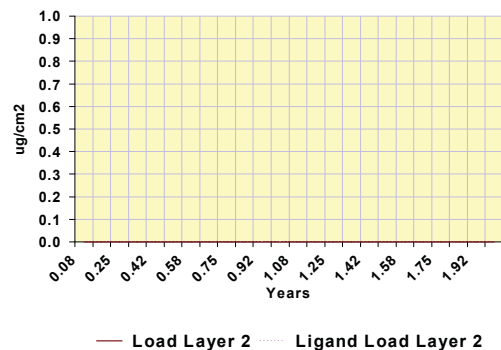
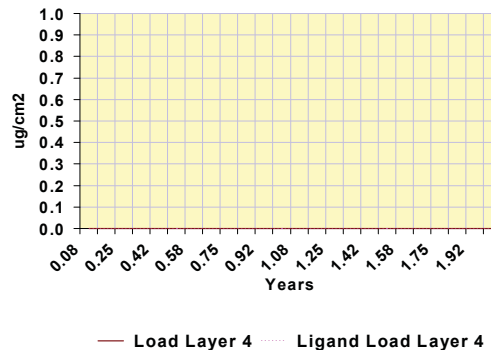
Output File: 777NFS
C:\SEV7 WIN7\S01.OUT

Chemical File: Trichloroethylene (TCE)
c:\sev7 win7\TRICHLOROETHYLENE (TCE).CHM

Soil File: Depth weighted soil
C:\SEV7 WIN7\DEPTH_AVG_SOIL.SOI

Application File: SEVIEW Default Application Parameters
C:\SEV7 WIN7\S01.APL

Sublayer Loads	1	2	3	4	5	6	7	8	9	10
Layer 1 (ug/g)	2.23E-01	2.23E-01	2.23E-01	2.23E-01	2.23E-01	2.23E-01	2.23E-01	2.23E-01	2.23E-01	2.23E-01
Layer 2 (ug/g)	1.48E-02	1.48E-02	1.48E-02	1.48E-02	1.49E-02	1.48E-02	1.48E-02	1.48E-02	1.48E-02	1.48E-02
Layer 3 (ug/g)	1.48E-02	9.10E-03	9.10E-03	9.10E-03	9.10E-03	9.10E-03	9.10E-03	9.10E-03	9.10E-03	9.10E-03
Layer 4 (ug/g)	9.10E-03	9.10E-03	9.10E-03	9.10E-03	9.10E-03	9.10E-03	9.10E-03	9.10E-03	9.10E-03	9.10E-03



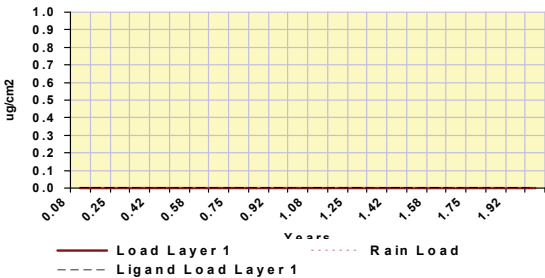
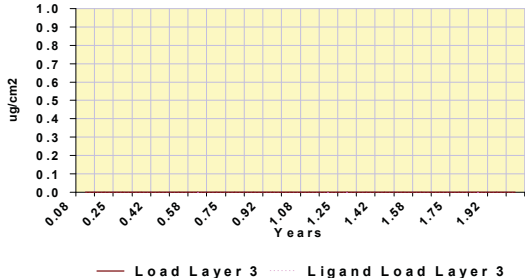
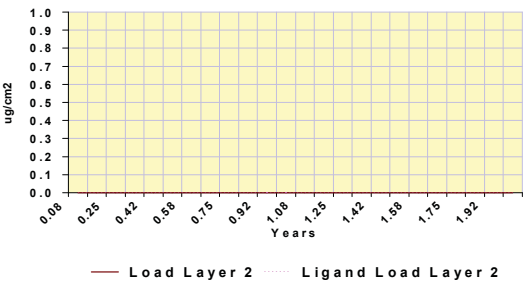
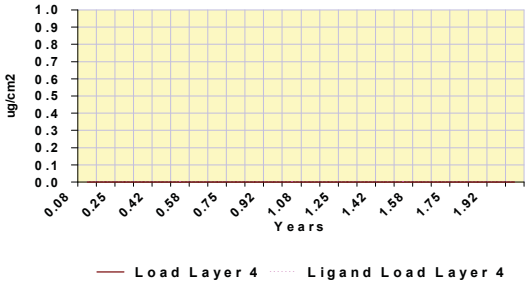
SESOIL Profile and Load Report

Layer No.	Number of Sub-Layers	Thickness		Intrinsic Permeability	Organic Carbon Content	Adsorption Coefficient	Cation Exchange Capacity	Freundlich Exponent	Solid Phase Degradation Rate	Liquid Phase Degradation Rate	Soil pH
		cm	feet								
1	10	428.0	14.04	1.00E-10	0.01	0.00	0.00	1.00	0.00E+00	0.00E+00	7.00
2	10	873.0	28.64	1.00E-10	0.01	0.00	0.00	1.00	0.00E+00	0.00E+00	7.00
3	10	873.0	28.64	1.00E-10	0.01	0.00	0.00	1.00	0.00E+00	0.00E+00	7.00
4	10	873.0	28.64	1.00E-10	0.01	0.00	0.00	1.00	0.00E+00	0.00E+00	7.00

Soil Parameters		Chemical Parameters			
Bulk Density (g/cm ³)	1.86	Water Solubility (µg/mL)	2.76E+3	Moles Ligand / Moles Chemical	0.00
Effective Porosity (fraction)	0.30	Henry's Law (M ³ atm/mol)	2.24E-2	Ligand Molecular Weight(g/mol)	0.00
Soil Pore Disconnectedness	6.50	K _{oc} Adsorp (µg/g)/(µg/mL)	18.60		
		K _d Adsorp (µg/g)/(µg/mL)	0.00		
		Valence (g/mole)	0.00	Ligand Dissociation Constant	0.00
		Air Diffusion (cm ² /sec)	.106	Base Hydrolysis Rate(L/mol/day)	0.00
		Water Diffusion (cm ² /sec)	1.23E-6	Neutral Hydrolysis (L/mol/day)	0.00
		Molecular Weight (g/mol)	62.50	Acid Hydrolysis (L/mol/day)	0.00

Output File: 777NFS
C:\SEV7 WIN7\S01.OUT
Chemical File: Vinyl Chloride
c:\sev7 win7\VINYL CHLORIDE.CHM
Soil File: Depth weighted soil
C:\SEV7 WIN7\DEPTH_AVG_SOIL.SOI
Application File: SEVIEW Default Application Parameters
C:\SEV7 WIN7\S01.APL

Sublayer Loads	1	2	3	4	5	6	7	8	9	10
Layer 1 (ug/g)	2.40E-02	2.40E-02	2.40E-02	2.40E-02	2.40E-02	2.40E-02	2.40E-02	2.40E-02	2.40E-02	2.40E-02
Layer 2 (ug/g)	1.10E-06	1.10E-06	1.10E-06	1.10E-06	1.10E-06	1.10E-06	1.10E-06	1.10E-06	1.10E-06	1.10E-06
Layer 3 (ug/g)	1.40E-06	1.40E-06	1.40E-06	1.40E-06	1.40E-06	1.40E-06	1.40E-06	1.40E-06	1.40E-06	1.40E-06
Layer 4 (ug/g)	1.40E-06	1.40E-06	1.40E-06	1.40E-06	1.40E-06	1.40E-06	1.40E-06	1.40E-06	1.40E-06	1.40E-06



SESOIL Profile and Load Report

Layer No.	Number of Sub-Layers	Thickness		Intrinsic Permeability	Organic Carbon Content	Adsorption Coefficient	Cation Exchange Capacity	Freundlich Exponent	Solid Phase Degradation Rate	Liquid Phase Degradation Rate	Soil pH
		cm	feet								
1	10	428.0	14.04	1.00E-10	0.01	0.00	0.00	1.00	0.00E+00	0.00E+00	7.00
2	10	873.0	28.64	1.00E-10	0.01	0.00	0.00	1.00	0.00E+00	0.00E+00	7.00
3	10	873.0	28.64	1.00E-10	0.01	0.00	0.00	1.00	0.00E+00	0.00E+00	7.00
4	10	873.0	28.64	1.00E-10	0.01	0.00	0.00	1.00	0.00E+00	0.00E+00	7.00

Soil Parameters

Bulk Density (g/cm ³)	1.86
Effective Porosity (fraction)	0.30
Soil Pore Disconnectedness	6.50

Application Parameters

Area	cm ²	1.00E+4
	ft ²	10.76
Latitude	degrees	34.0
Spill Index		1

Chemical Parameters

Water Solubility (µg/mL)	2.76E+3	Moles Ligand / Moles Chemical	0.00
Henry's Law (M ³ atm/mol)	2.24E-2	Ligand Molecular Weight(g/mol)	0.00
K _{OC} Adsorp (µg/g)/(µg/mL)	18.60		
K _d Adsorp (µg/g)/(µg/mL)	0.00		
Valence (g/mole)	0.00	Ligand Dissociation Constant	0.00
Air Diffusion (cm ² /sec)	.106	Base Hydrolysis Rate(L/mol/day)	0.00
Water Diffusion (cm ² /sec)	1.23E-6	Neutral Hydrolysis (L/mol/day)	0.00
Molecular Weight (g/mol)	62.50	Acid Hydrolysis (L/mol/day)	0.00

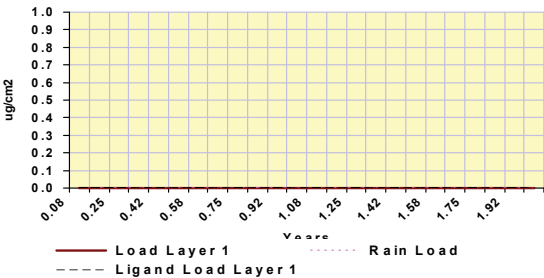
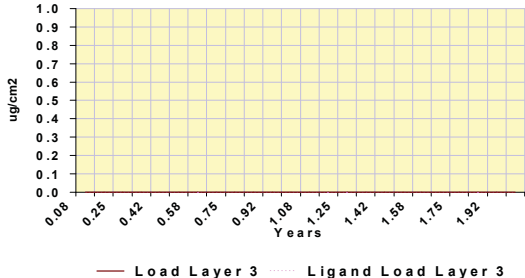
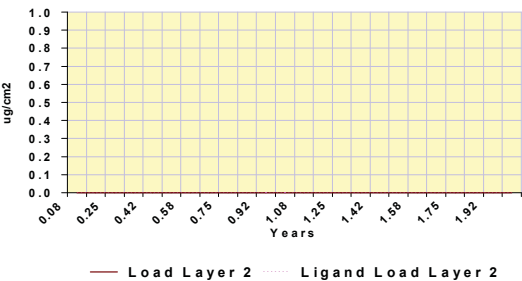
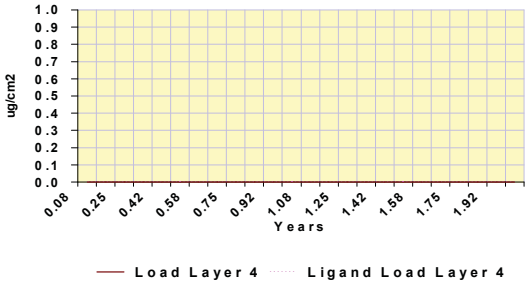
Output File: 777NFS
C:\SEV7 WIN7\S01.OUT

Chemical File: Vinyl Chloride
c:\sev7 win7\VINYL CHLORIDE.CHM

Soil File: Depth weighted soil
C:\SEV7 WIN7\DEPTH_AVG_SOIL.SOI

Application File: SEVIEW Default Application Parameters
C:\SEV7 WIN7\S01.APL

Sublayer Loads	1	2	3	4	5	6	7	8	9	10
Layer 1 (ug/g)	2.40E-02	2.40E-02	2.40E-02	2.40E-02	2.40E-02	2.40E-02	2.40E-02	2.40E-02	2.40E-02	2.40E-02
Layer 2 (ug/g)	1.10E-06	1.10E-06	1.10E-06	1.10E-06	1.10E-06	1.10E-06	1.10E-06	1.10E-06	1.10E-06	1.10E-06
Layer 3 (ug/g)	1.40E-06	1.40E-06	1.40E-06	1.40E-06	1.40E-06	1.40E-06	1.40E-06	1.40E-06	1.40E-06	1.40E-06
Layer 4 (ug/g)	1.40E-06	1.40E-06	1.40E-06	1.40E-06	1.40E-06	1.40E-06	1.40E-06	1.40E-06	1.40E-06	1.40E-06



SESOIL Profile and Load Report

Layer No.	Number of Sub-Layers	Thickness		Intrinsic Permeability	Organic Carbon Content	Adsorption Coefficient	Cation Exchange Capacity	Freundlich Exponent	Solid Phase Degradation Rate	Liquid Phase Degradation Rate	Soil pH
		cm	feet								
1	10	428.0	14.04	1.00E-10	0.01	0.00	0.00	1.00	0.00E+00	0.00E+00	7.00
2	10	873.0	28.64	1.00E-10	0.01	0.00	0.00	1.00	0.00E+00	0.00E+00	7.00
3	10	873.0	28.64	1.00E-10	0.01	0.00	0.00	1.00	0.00E+00	0.00E+00	7.00
4	10	873.0	28.64	1.00E-10	0.01	0.00	0.00	1.00	0.00E+00	0.00E+00	7.00

Soil Parameters

Bulk Density (g/cm ³)	1.86
Effective Porosity (fraction)	0.30
Soil Pore Disconnectedness	6.50

Application Parameters

Area	cm ²	1.00E+4
	ft ²	10.76
Latitude	degrees	34.0
Spill Index		1

Chemical Parameters

Water Solubility (µg/mL)	2.76E+3	Moles Ligand / Moles Chemical	0.00
Henry's Law (M ³ atm/mol)	2.24E-2	Ligand Molecular Weight(g/mol)	0.00
K _{OC} Adsorp (µg/g)/(µg/mL)	18.60		
K _d Adsorp (µg/g)/(µg/mL)	0.00		
Valence (g/mole)	0.00	Ligand Dissociation Constant	0.00
Air Diffusion (cm ² /sec)	.106	Base Hydrolysis Rate(L/mol/day)	0.00
Water Diffusion (cm ² /sec)	1.23E-6	Neutral Hydrolysis (L/mol/day)	0.00
Molecular Weight (g/mol)	62.50	Acid Hydrolysis (L/mol/day)	0.00

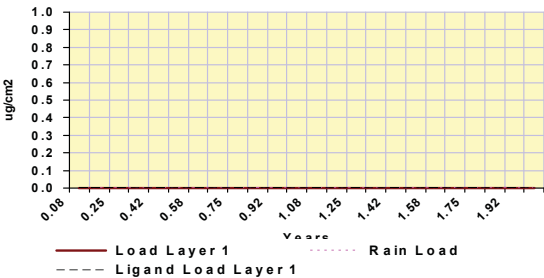
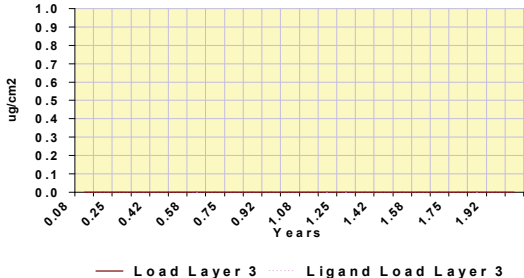
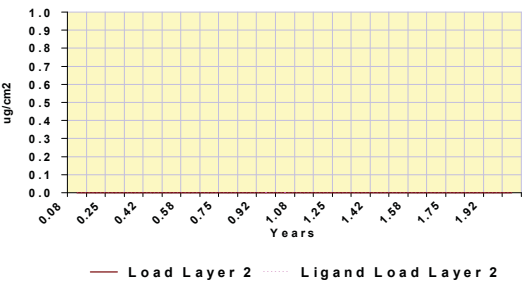
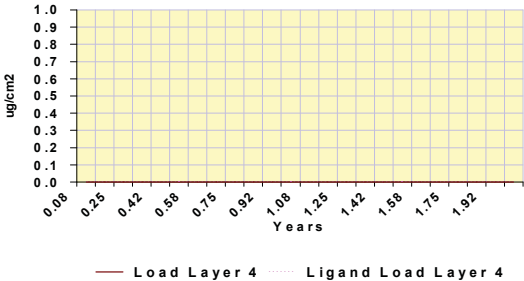
Output File: 777NFS
C:\SEV7 WIN7\S01.OUT

Chemical File: Vinyl Chloride
c:\sev7 win7\VINYL CHLORIDE.CHM

Soil File: Depth weighted soil
C:\SEV7 WIN7\DEPTH_AVG_SOIL.SOI

Application File: SEVIEW Default Application Parameters
C:\SEV7 WIN7\S01.APL

Sublayer Loads	1	2	3	4	5	6	7	8	9	10
Layer 1 (ug/g)	2.40E-02	2.40E-02	2.40E-02	2.40E-02	2.40E-02	2.40E-02	2.40E-02	2.40E-02	2.40E-02	2.40E-02
Layer 2 (ug/g)	1.10E-06	1.10E-06	1.10E-06	1.10E-06	1.10E-06	1.10E-06	1.10E-06	1.10E-06	1.10E-06	1.10E-06
Layer 3 (ug/g)	1.40E-06	1.40E-06	1.40E-06	1.40E-06	1.40E-06	1.40E-06	1.40E-06	1.40E-06	1.40E-06	1.40E-06
Layer 4 (ug/g)	1.40E-06	1.40E-06	1.40E-06	1.40E-06	1.40E-06	1.40E-06	1.40E-06	1.40E-06	1.40E-06	1.40E-06



APPENDIX D
SESOIL MODEL OUTPUT

Model Output Files
Scenario 1
Current Site Conditions

SESOIL Pollutant Cycle Report

Scenario Description: 777NFS

SESOIL Output File: C:\SEV7 WIN7\S01.OUT

SESOIL Process	Pollutant Mass (µg)	Percent of Total
Volatilized	2.154E+04	14.74
In Soil Air	2.786E+02	0.19
Sur. Runoff	0.000E+00	0.00
In Washld	0.000E+00	0.00
Ads On Soil	1.452E+03	0.99
Hydrol Soil	0.000E+00	0.00
Degrad Soil	0.000E+00	0.00
Pure Phase	0.000E+00	0.00
Complexed	0.000E+00	0.00
Immobile CEC	0.000E+00	0.00
Hydrol CEC	0.000E+00	0.00
In Soil Moi	2.332E+04	15.96
Hydrol Mois	0.000E+00	0.00
Degrad Mois	0.000E+00	0.00
Other Trans	0.000E+00	0.00
Other Sinks	0.000E+00	0.00
Gwr. Runoff	9.894E+04	67.72
Total Output	1.455E+05	99.62
Total Input	1.461E+05	
Input - Output	5.599E+02	

Maximum leachate concentration: 4.271E-02 mg/l

Climate File: LOS ANGELES, CIVIC CENTER

C:\SEV7 WIN7\SET_ET_15PRECIP.CLM

Chemical File: 1,1,2,2-Tetrachloroethane MA DEP

c:\sev7 win7\1 1 2 2-TETRACHLOROETHANE MA DEP.CHM

Soil File: Depth weighted soil

C:\SEV7 WIN7\DEPTH_AVG_SOIL.SOI

Application File: SEVIEW Default Application Parameters

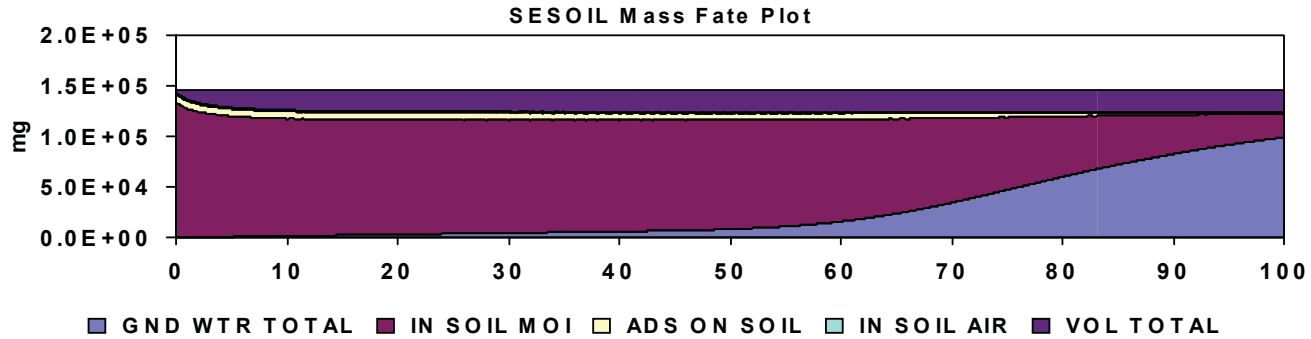
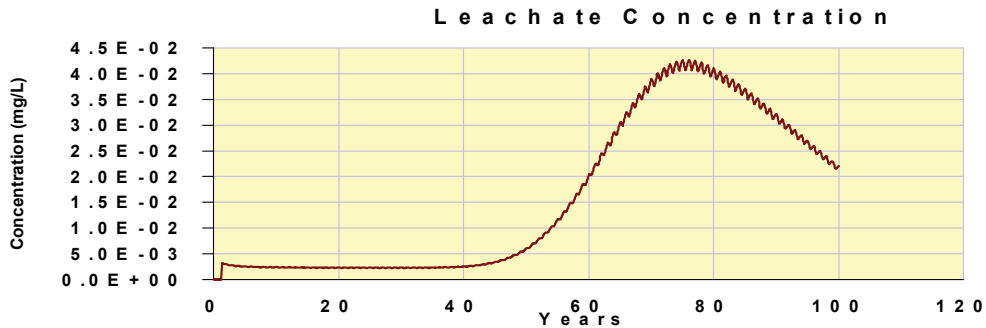
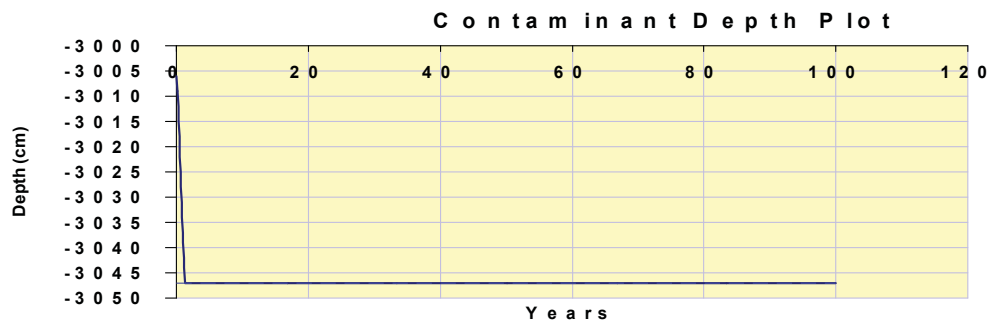
C:\SEV7 WIN7\S01.APL

Time to Groundwater: 1.08 years

Starting Depth: 3006.00 cm

Ending Depth: 3047.00 cm

Total Depth: 3047.00 cm



SESOIL Pollutant Cycle Report

Scenario Description: 777NFS

SESOIL Output File: C:\SEV7 WIN7\S01.OUT

SESOIL Process	Pollutant Mass (µg)	Percent of Total
Volatilized	1.557E+05	94.80
In Soil Air	2.674E+02	0.16
Sur. Runoff	0.000E+00	0.00
In Washld	0.000E+00	0.00
Ads On Soil	1.284E+01	0.01
Hydrol Soil	0.000E+00	0.00
Degrad Soil	0.000E+00	0.00
Pure Phase	0.000E+00	0.00
Complexed	0.000E+00	0.00
Immobile CEC	0.000E+00	0.00
Hydrol CEC	0.000E+00	0.00
In Soil Moi	2.958E+02	0.18
Hydrol Mois	0.000E+00	0.00
Degrad Mois	0.000E+00	0.00
Other Trans	0.000E+00	0.00
Other Sinks	0.000E+00	0.00
Gwr. Runoff	7.886E+03	4.80
Total Output	1.642E+05	99.95
Total Input	1.643E+05	
Input - Output	7.920E+01	

Maximum leachate concentration: 5.354E-03 mg/l

Climate File: LOS ANGELES, CIVIC CENTER

C:\SEV7 WIN7\SET_ET_15PRECIP.CLM

Chemical File: 1,1-Dichloroethene OEPA 2003

c:\sev7 win7\1 1-DICHLOROETHENE OEPA 2003.CHM

Soil File: Depth weighted soil

C:\SEV7 WIN7\DEPTH_AVG_SOIL.SOI

Application File: SEVIEW Default Application Parameters

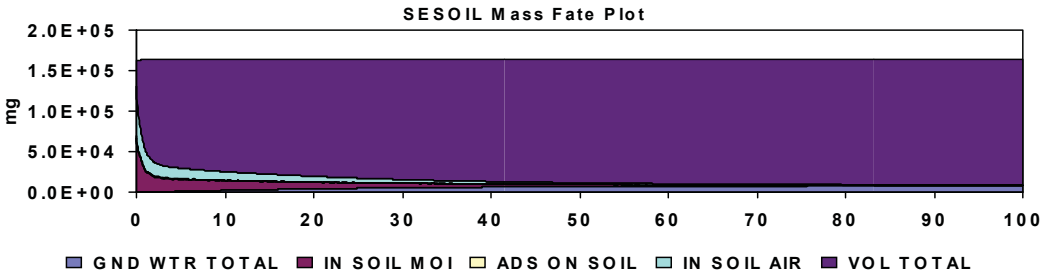
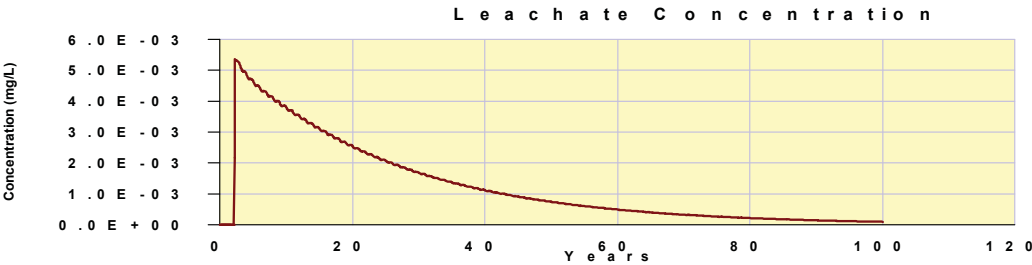
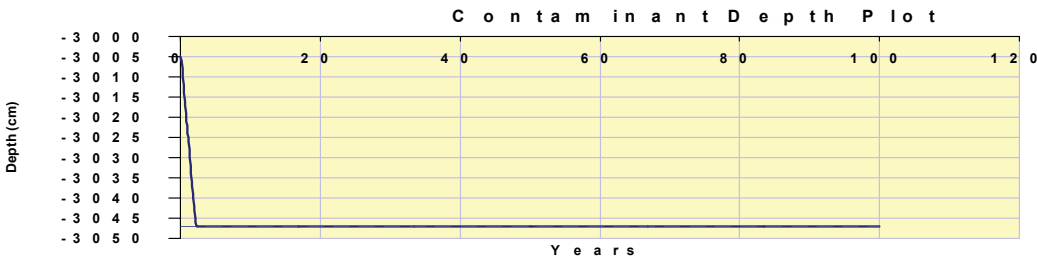
C:\SEV7 WIN7\S01.APL

Time to Groundwater: 2.08 years

Starting Depth: 3005.00 cm

Ending Depth: 3047.00 cm

Total Depth: 3047.00 cm



SESOIL Pollutant Cycle Report

Scenario Description: 777NFS

SESOIL Output File: C:\SEV7 WIN7\S01.OUT

SESOIL Process	Pollutant Mass (µg)	Percent of Total
Volatilized	9.965E+03	8.28
In Soil Air	4.561E-03	0.00
Sur. Runoff	0.000E+00	0.00
In Washld	0.000E+00	0.00
Ads On Soil	1.296E-03	0.00
Hydrol Soil	0.000E+00	0.00
Degrad Soil	0.000E+00	0.00
Pure Phase	0.000E+00	0.00
Complexed	0.000E+00	0.00
Immobile CEC	0.000E+00	0.00
Hydrol CEC	0.000E+00	0.00
In Soil Moi	1.115E-01	0.00
Hydrol Mois	0.000E+00	0.00
Degrad Mois	1.104E+05	91.75
Other Trans	0.000E+00	0.00
Other Sinks	0.000E+00	0.00
Gwr. Runoff	1.493E-01	0.00
Total Output	1.204E+05	100.03
Total Input	1.204E+05	
Input - Output	-3.057E+01	

Maximum leachate concentration: 1.308E-06 mg/l

Climate File: LOS ANGELES, CIVIC CENTER

C:\SEV7 WIN7\SET_ET_15PRECIP.CLM

Chemical File: 1,2-Dichloroethane (EDC)

c:\sev7 win7\1 2-DICHLOROETHANE (EDC).CHM

Soil File: Depth weighted soil

C:\SEV7 WIN7\DEPTH_AVG_SOIL.SOI

Application File: SEVIEW Default Application Parameters

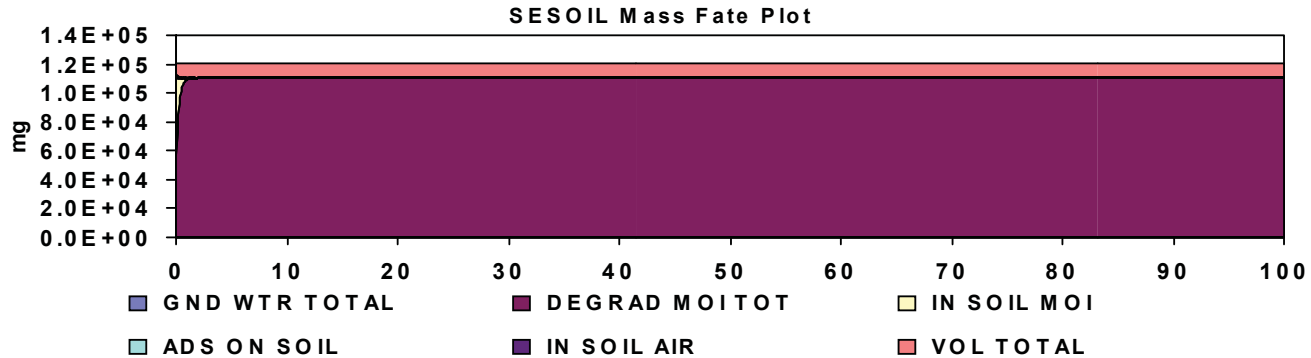
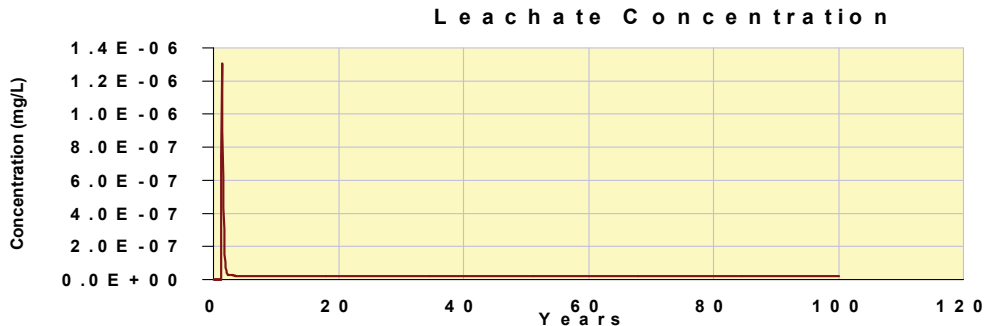
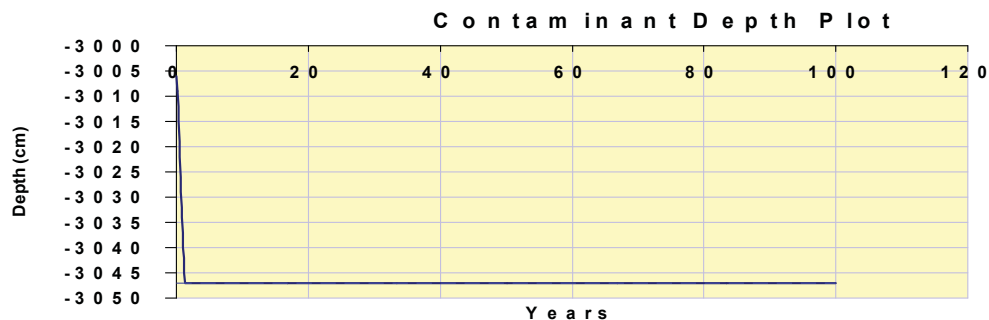
C:\SEV7 WIN7\S01.APL

Time to Groundwater: 1.08 years

Starting Depth: 3006.00 cm

Ending Depth: 3047.00 cm

Total Depth: 3047.00 cm



SESOIL Pollutant Cycle Report

Scenario Description: 777NFS

SESOIL Output File: C:\SEV7 WIN7\S01.OUT

SESOIL Process	Pollutant Mass (µg)	Percent of Total
Volatilized	2.480E+03	89.62
In Soil Air	7.545E+00	0.27
Sur. Runoff	0.000E+00	0.00
In Washld	0.000E+00	0.00
Ads On Soil	8.124E-01	0.03
Hydrol Soil	0.000E+00	0.00
Degrad Soil	0.000E+00	0.00
Pure Phase	0.000E+00	0.00
Complexed	0.000E+00	0.00
Immobile CEC	0.000E+00	0.00
Hydrol CEC	0.000E+00	0.00
In Soil Moi	3.925E+01	1.42
Hydrol Mois	0.000E+00	0.00
Degrad Mois	0.000E+00	0.00
Other Trans	0.000E+00	0.00
Other Sinks	0.000E+00	0.00
Gwr. Runoff	2.250E+02	8.13
Total Output	2.753E+03	99.48
Total Input	2.768E+03	
Input - Output	1.452E+01	

Maximum leachate concentration: 5.311E-05 mg/l

Climate File: LOS ANGELES, CIVIC CENTER

C:\SEV7 WIN7\SET_ET_15PRECIP.CLM

Chemical File: Benzene

c:\sev7 win7\BENZENE.CHM

Soil File: Depth weighted soil

C:\SEV7 WIN7\DEPTH_AVG_SOIL.SOI

Application File: SEVIEW Default Application Parameters

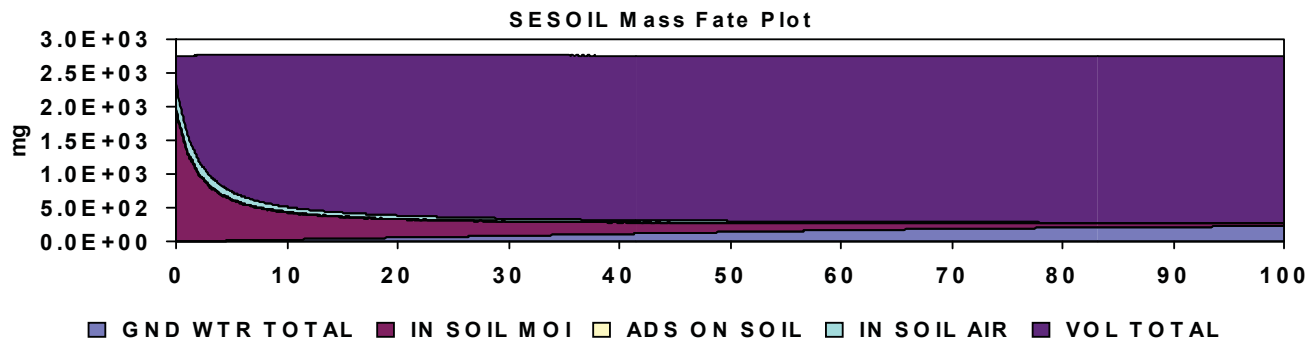
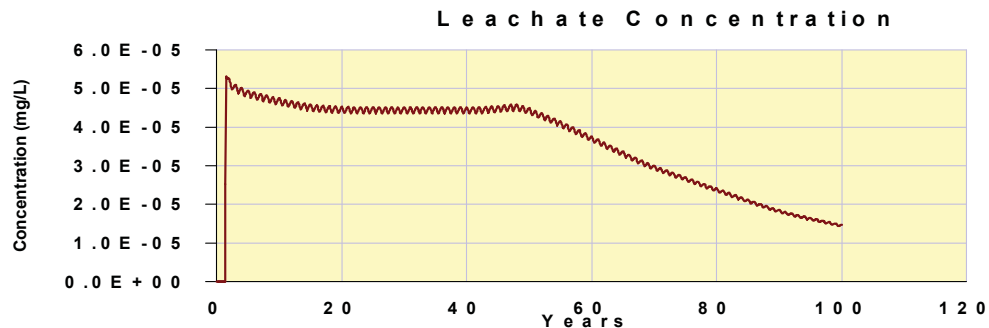
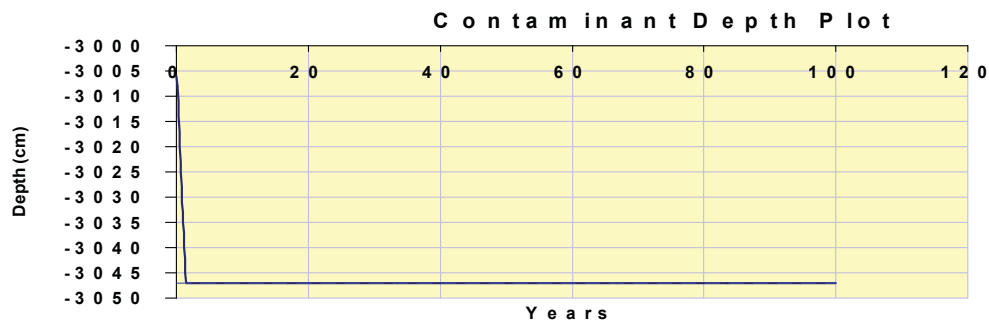
C:\SEV7 WIN7\S01.APL

Time to Groundwater: 1.08 years

Starting Depth: 3006.00 cm

Ending Depth: 3047.00 cm

Total Depth: 3047.00 cm



SESOIL Pollutant Cycle Report

Scenario Description: 777NFS

SESOIL Output File: C:\SEV7 WIN7\S01.OUT

SESOIL Process	Pollutant Mass (µg)	Percent of Total
Volatilized	0.000E+00	0.00
In Soil Air	0.000E+00	0.00
Sur. Runoff	0.000E+00	0.00
In Washld	0.000E+00	0.00
Ads On Soil	7.337E+08	100.00
Hydrol Soil	0.000E+00	0.00
Degrad Soil	0.000E+00	0.00
Pure Phase	0.000E+00	0.00
Complexed	0.000E+00	0.00
Immobile CEC	0.000E+00	0.00
Hydrol CEC	0.000E+00	0.00
In Soil Moi	3.541E+01	0.00
Hydrol Mois	0.000E+00	0.00
Degrad Mois	0.000E+00	0.00
Other Trans	0.000E+00	0.00
Other Sinks	0.000E+00	0.00
Gwr. Runoff	0.000E+00	0.00
Total Output	7.337E+08	100.00
Total Input	7.337E+08	
Input - Output	-2.003E+04	

Maximum leachate concentration: 0.000E+00 mg/l

Climate File: LOS ANGELES, CIVIC CENTER

C:\SEV7 WIN7\SET_ET_15PRECIP.CLM

Chemical File: Chromium (III) (Insoluble Salts) (Kd)

c:\sev7 win7\CHROMIUM (III) (INSOLUBLE SALTS) (KD).CHM

Soil File: Depth weighted soil

C:\SEV7 WIN7\DEPTH_AVG_SOIL.SOI

Application File: SEVIEW Default Application Parameters

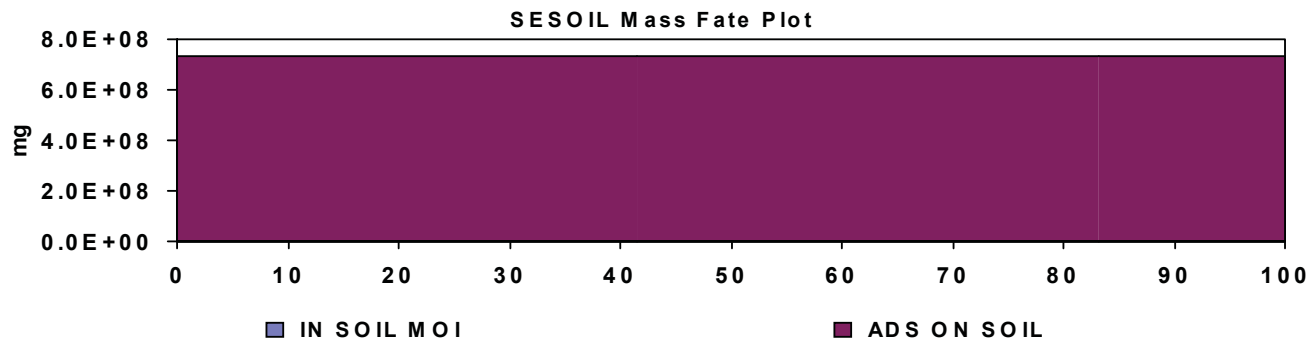
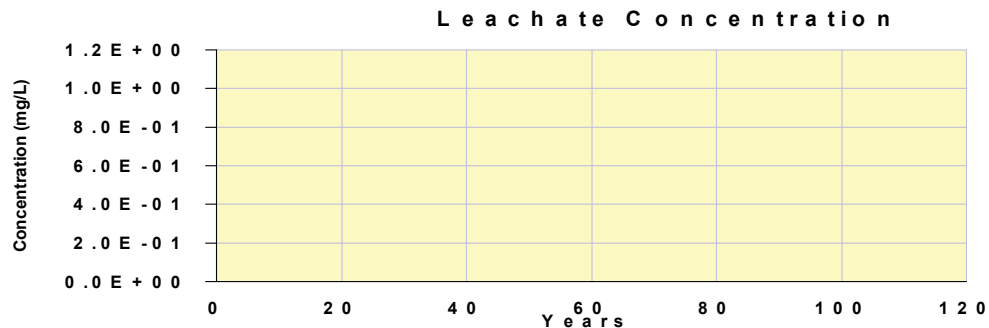
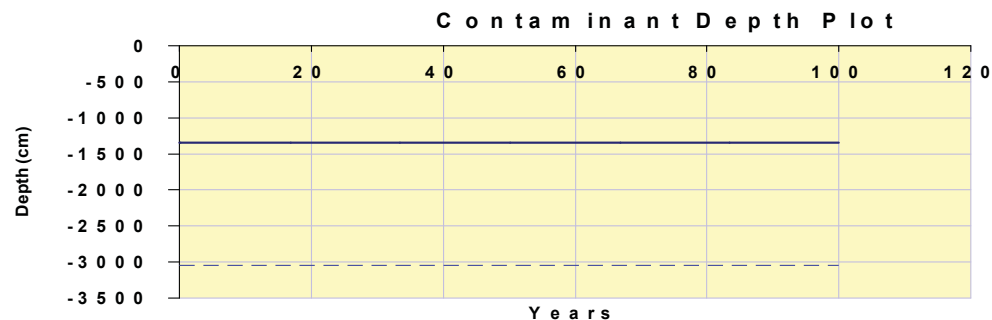
C:\SEV7 WIN7\S01.APL

Time to Groundwater: years

Starting Depth: 1345.00 cm

Ending Depth: 1345.00 cm

Total Depth: 3047.00 cm



SESOIL Pollutant Cycle Report

Scenario Description: 777NFS

SESOIL Output File: C:\SEV7 WIN7\S01.OUT

SESOIL Process	Pollutant Mass (µg)	Percent of Total
Volatilized	0.000E+00	0.00
In Soil Air	0.000E+00	0.00
Sur. Runoff	0.000E+00	0.00
In Washld	0.000E+00	0.00
Ads On Soil	7.222E+08	98.43
Hydrol Soil	0.000E+00	0.00
Degrad Soil	0.000E+00	0.00
Pure Phase	0.000E+00	0.00
Complexed	0.000E+00	0.00
Immobile CEC	0.000E+00	0.00
Hydrol CEC	0.000E+00	0.00
In Soil Moi	3.302E+06	0.45
Hydrol Mois	0.000E+00	0.00
Degrad Mois	0.000E+00	0.00
Other Trans	0.000E+00	0.00
Other Sinks	0.000E+00	0.00
Gwr. Runoff	0.000E+00	0.00
Total Output	7.255E+08	98.88
Total Input	7.337E+08	
Input - Output	8.197E+06	

Maximum leachate concentration: 0.000E+00 mg/l

Climate File: LOS ANGELES, CIVIC CENTER

C:\SEV7 WIN7\SET_ET_15PRECIP.CLM

Chemical File: Chromium VI (particulates) (Kd)

c:\sev7 win7\CHROMIUM VI (PARTICULATES) (KD).CHM

Soil File: Depth weighted soil

C:\SEV7 WIN7\DEPTH_AVG_SOIL.SOI

Application File: SEVIEW Default Application Parameters

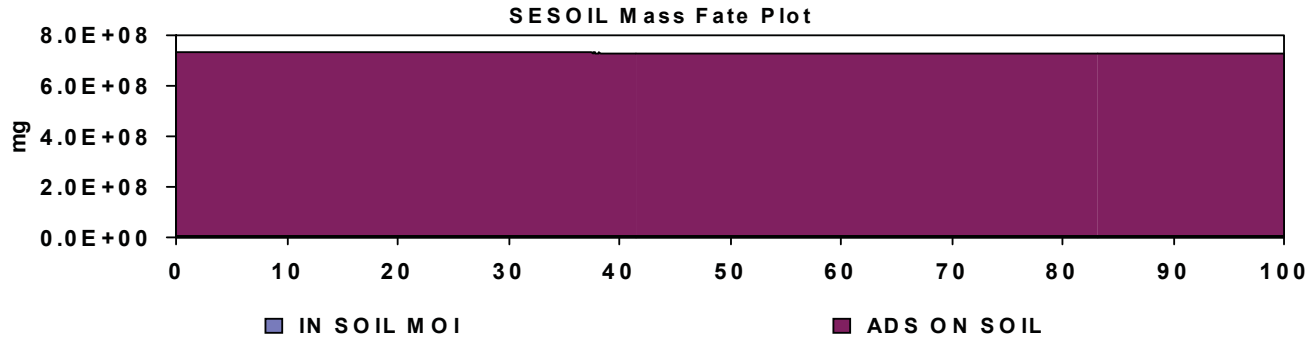
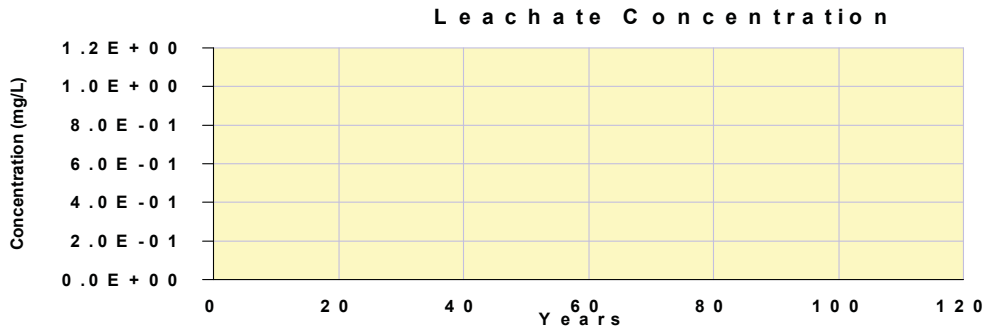
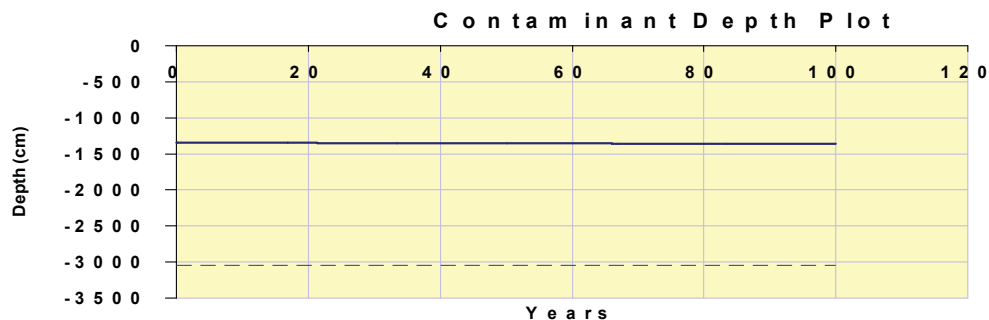
C:\SEV7 WIN7\S01.APL

Time to Groundwater: 9455.56 years

Starting Depth: 1345.00 cm

Ending Depth: 1363.00 cm

Total Depth: 3047.00 cm



SESOIL Pollutant Cycle Report

Scenario Description: 777NFS

SESOIL Output File: C:\SEV7 WIN7\S01.OUT

SESOIL Process	Pollutant Mass (µg)	Percent of Total
Volatilized	3.274E+08	64.47
In Soil Air	9.326E+06	1.84
Sur. Runoff	0.000E+00	0.00
In Washld	0.000E+00	0.00
Ads On Soil	2.589E+06	0.51
Hydrol Soil	0.000E+00	0.00
Degrad Soil	0.000E+00	0.00
Pure Phase	0.000E+00	0.00
Complexed	0.000E+00	0.00
Immobile CEC	0.000E+00	0.00
Hydrol CEC	0.000E+00	0.00
In Soil Moi	1.463E+07	2.88
Hydrol Mois	0.000E+00	0.00
Degrad Mois	0.000E+00	0.00
Other Trans	0.000E+00	0.00
Other Sinks	0.000E+00	0.00
Gwr. Runoff	1.529E+08	30.11
Total Output	5.069E+08	99.81
Total Input	5.079E+08	
Input - Output	9.701E+05	

Maximum leachate concentration: 5.929E+01 mg/l

Climate File: LOS ANGELES, CIVIC CENTER

C:\SEV7 WIN7\SET_ET_15PRECIP.CLM

Chemical File: PCE (Tetrachloroethene) OEPA 2003

c:\sev7 win7\PCE (TETRACHLOROETHENE) OEPA 2003.CHM

Soil File: Depth weighted soil

C:\SEV7 WIN7\DEPTH_AVG_SOIL.SOI

Application File: SEVIEW Default Application Parameters

C:\SEV7 WIN7\S01.APL

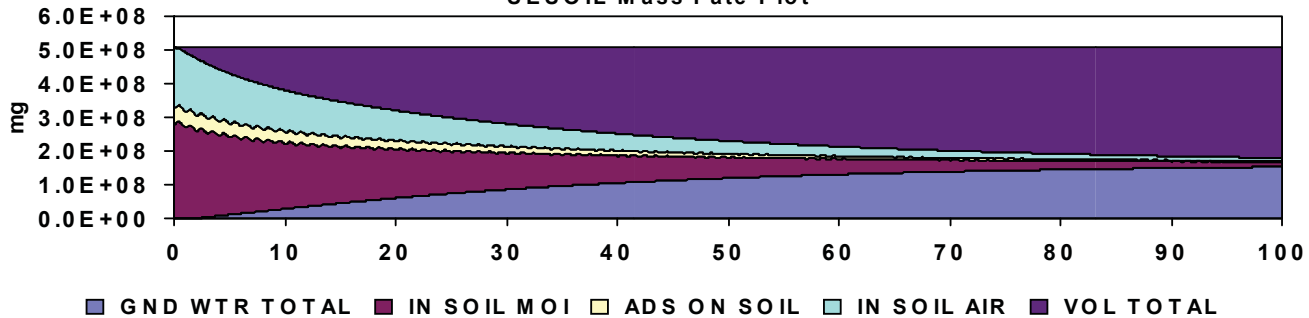
Time to Groundwater: 2.08 years

Starting Depth: 3005.00 cm

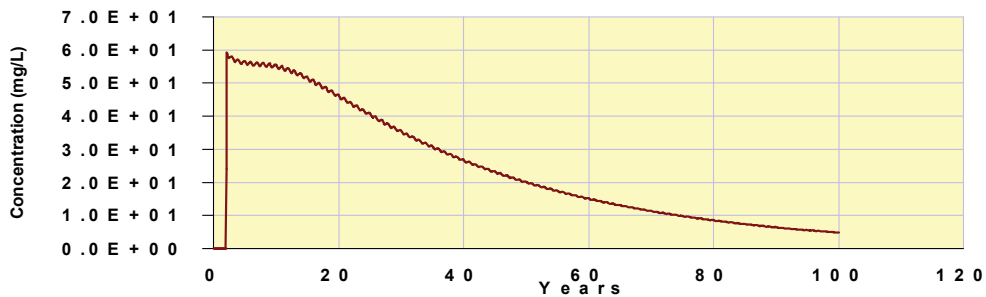
Ending Depth: 3047.00 cm

Total Depth: 3047.00 cm

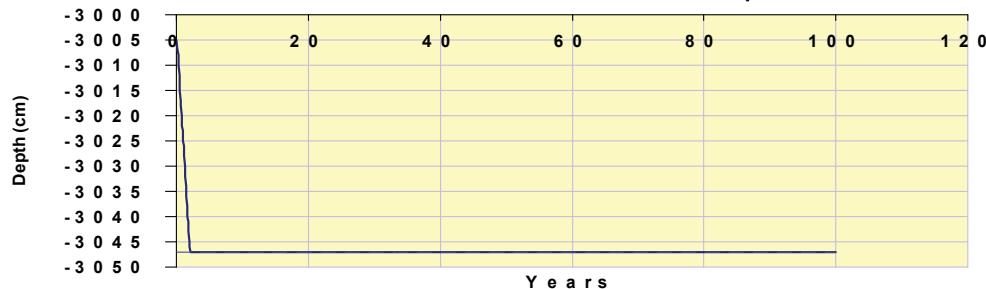
SESOIL Mass Fate Plot



Leachate Concentration



Contaminant Depth Plot



SESOIL Pollutant Cycle Report

Scenario Description: 777NFS

SESOIL Output File: C:\SEV7 WIN7\S01.OUT

SESOIL Process	Pollutant Mass (µg)	Percent of Total
Volatilized	1.957E+05	84.67
In Soil Air	1.563E+03	0.68
Sur. Runoff	0.000E+00	0.00
In Washld	0.000E+00	0.00
Ads On Soil	6.875E+02	0.30
Hydrol Soil	0.000E+00	0.00
Degrad Soil	0.000E+00	0.00
Pure Phase	0.000E+00	0.00
Complexed	0.000E+00	0.00
Immobile CEC	0.000E+00	0.00
Hydrol CEC	0.000E+00	0.00
In Soil Moi	1.275E+04	5.51
Hydrol Mois	0.000E+00	0.00
Degrad Mois	0.000E+00	0.00
Other Trans	0.000E+00	0.00
Other Sinks	0.000E+00	0.00
Gwr. Runoff	2.023E+04	8.75
Total Output	2.309E+05	99.91
Total Input	2.312E+05	
Input - Output	2.089E+02	

Maximum leachate concentration: 8.984E-03 mg/l

Climate File: LOS ANGELES, CIVIC CENTER

C:\SEV7 WIN7\SET_ET_15PRECIP.CLM

Chemical File: Dichloropropene, 1,3-

c:\sev7 win7\DICHLOROPROPENE 1 3-.CHM

Soil File: Depth weighted soil

C:\SEV7 WIN7\DEPTH_AVG_SOIL.SOI

Application File: SEVIEW Default Application Parameters

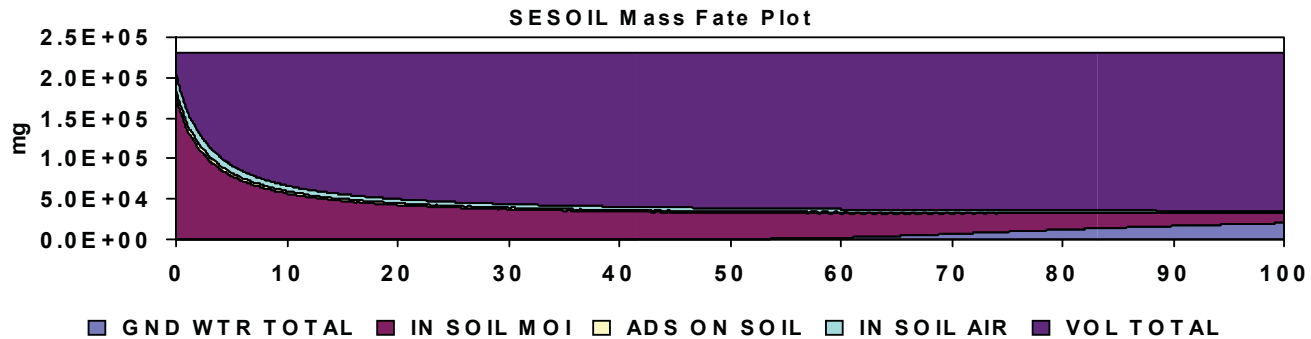
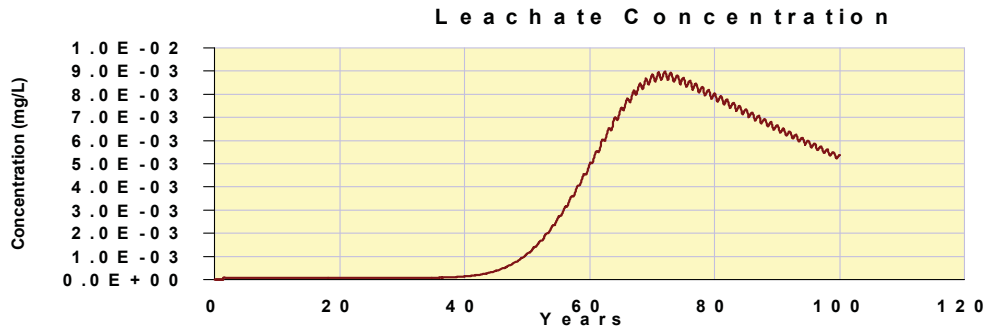
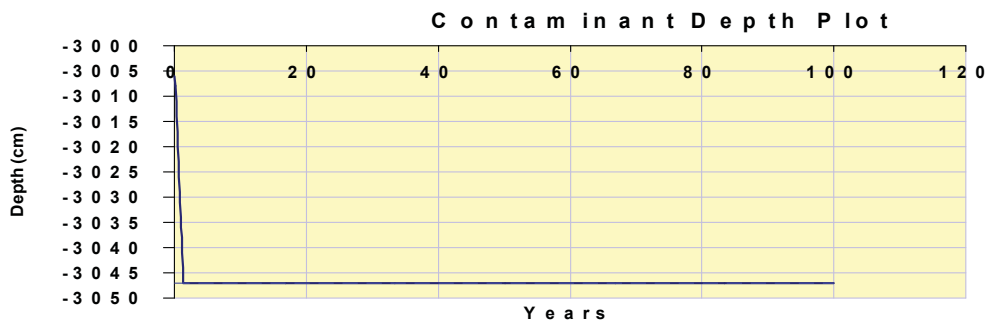
C:\SEV7 WIN7\S01.APL

Time to Groundwater: 1.08 years

Starting Depth: 3006.00 cm

Ending Depth: 3047.00 cm

Total Depth: 3047.00 cm



SESOIL Pollutant Cycle Report

Scenario Description: 777NFS

SESOIL Output File: C:\SEV7 WIN7\S01.OUT

SESOIL Process	Pollutant Mass (µg)	Percent of Total
Volatilized	2.037E+06	87.62
In Soil Air	1.121E+04	0.48
Sur. Runoff	0.000E+00	0.00
In Washld	0.000E+00	0.00
Ads On Soil	3.068E+03	0.13
Hydrol Soil	0.000E+00	0.00
Degrad Soil	0.000E+00	0.00
Pure Phase	0.000E+00	0.00
Complexed	0.000E+00	0.00
Immobile CEC	0.000E+00	0.00
Hydrol CEC	0.000E+00	0.00
In Soil Moi	2.768E+04	1.19
Hydrol Mois	0.000E+00	0.00
Degrad Mois	0.000E+00	0.00
Other Trans	0.000E+00	0.00
Other Sinks	0.000E+00	0.00
Gwr. Runoff	2.447E+05	10.53
Total Output	2.323E+06	99.95
Total Input	2.325E+06	
Input - Output	1.147E+03	

Maximum leachate concentration: 7.764E-02 mg/l

Climate File: LOS ANGELES, CIVIC CENTER

C:\SEV7 WIN7\SET_ET_15PRECIP.CLM

Chemical File: Trichloroethylene (TCE)

c:\sev7 win7\TRICHLOROETHYLENE (TCE).CHM

Soil File: Depth weighted soil

C:\SEV7 WIN7\DEPTH_AVG_SOIL.SOI

Application File: SEVIEW Default Application Parameters

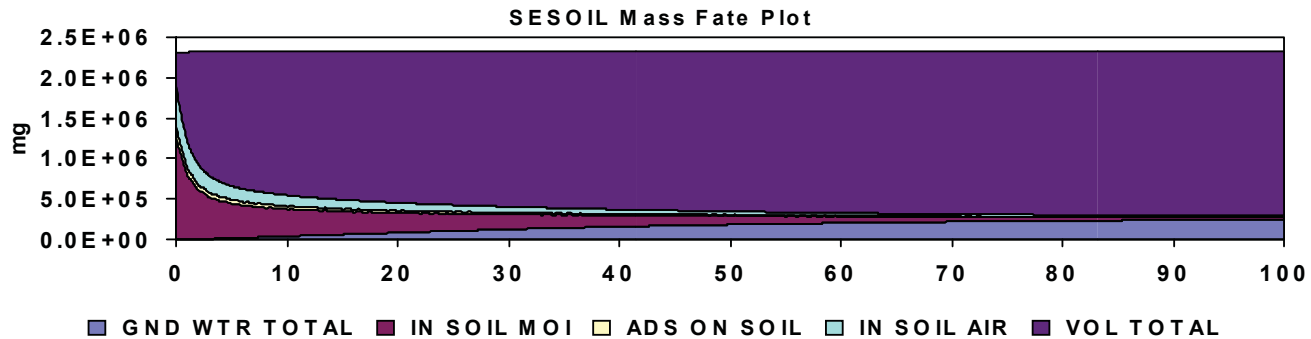
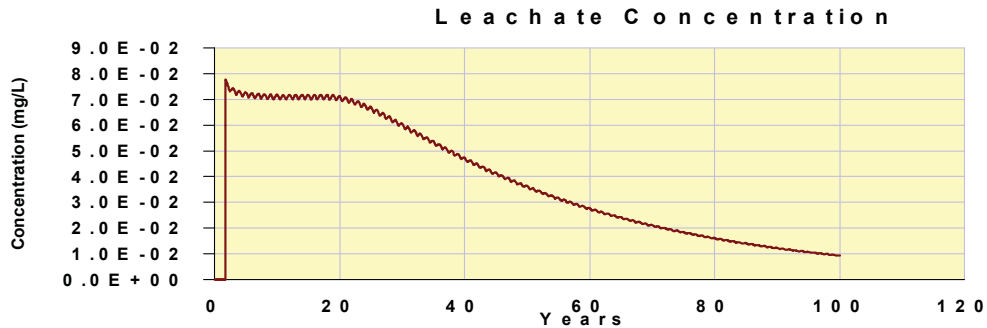
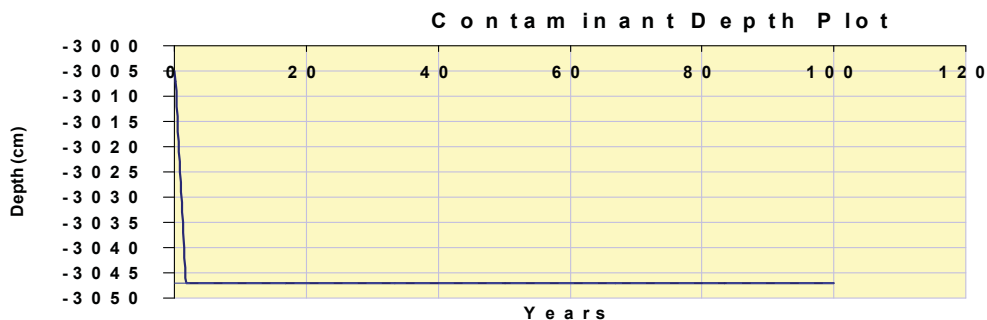
C:\SEV7 WIN7\S01.APL

Time to Groundwater: 1.08 years

Starting Depth: 3005.00 cm

Ending Depth: 3047.00 cm

Total Depth: 3047.00 cm



SESOIL Pollutant Cycle Report

Scenario Description: 777NFS

SESOIL Output File: C:\SEV7 WIN7\S01.OUT

SESOIL Process	Pollutant Mass (µg)	Percent of Total
Volatilized	1.911E+05	100.00
In Soil Air	6.950E+00	0.00
Sur. Runoff	0.000E+00	0.00
In Washld	0.000E+00	0.00
Ads On Soil	1.112E-01	0.00
Hydrol Soil	0.000E+00	0.00
Degrad Soil	0.000E+00	0.00
Pure Phase	0.000E+00	0.00
Complexed	0.000E+00	0.00
Immobile CEC	0.000E+00	0.00
Hydrol CEC	0.000E+00	0.00
In Soil Moi	8.957E+00	0.00
Hydrol Mois	0.000E+00	0.00
Degrad Mois	0.000E+00	0.00
Other Trans	0.000E+00	0.00
Other Sinks	0.000E+00	0.00
Gwr. Runoff	3.095E+01	0.02
Total Output	1.911E+05	100.03
Total Input	1.911E+05	
Input - Output	-5.195E+01	

Maximum leachate concentration: 9.430E-06 mg/l

Climate File: LOS ANGELES, CIVIC CENTER

C:\SEV7 WIN7\SET_ET_15PRECIP.CLM

Chemical File: Vinyl Chloride

c:\sev7 win7\VINYL CHLORIDE.CHM

Soil File: Depth weighted soil

C:\SEV7 WIN7\DEPTH_AVG_SOIL.SOI

Application File: SEVIEW Default Application Parameters

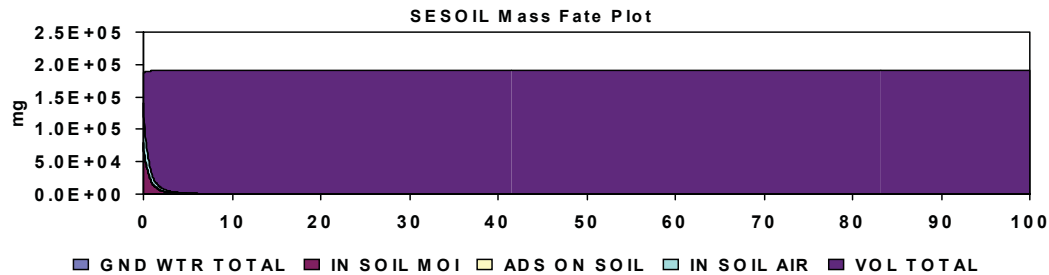
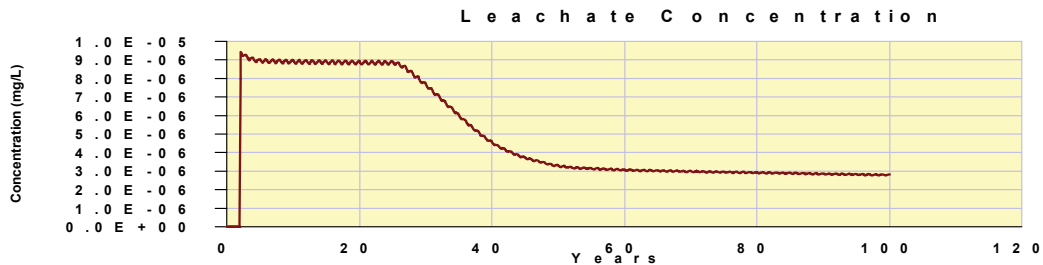
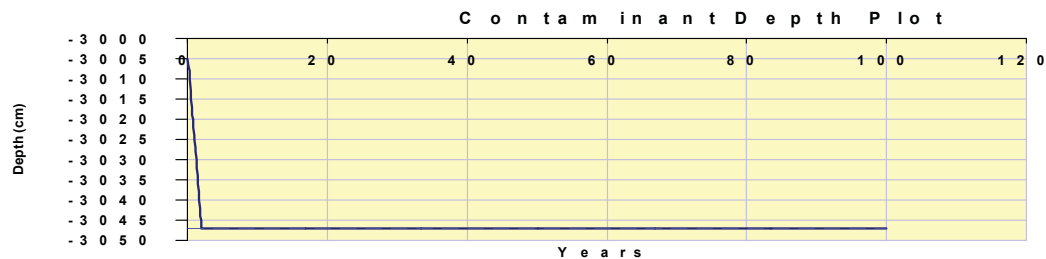
C:\SEV7 WIN7\S01.APL

Time to Groundwater: 2.08 years

Starting Depth: 3005.00 cm

Ending Depth: 3047.00 cm

Total Depth: 3047.00 cm



Model Output Files
Scenario 2
Future Site Conditions (Concrete)

SESOIL Pollutant Cycle Report

Scenario Description: 777NFS

SESOIL Output File: C:\SEV7 WIN7\S01.OUT

SESOIL Process	Pollutant Mass (µg)	Percent of Total
Volatilized	7.346E+04	50.29
In Soil Air	9.108E+02	0.62
Sur. Runoff	0.000E+00	0.00
In Washld	0.000E+00	0.00
Ads On Soil	4.198E+03	2.87
Hydrol Soil	0.000E+00	0.00
Degrad Soil	0.000E+00	0.00
Pure Phase	0.000E+00	0.00
Complexed	0.000E+00	0.00
Immobile CEC	0.000E+00	0.00
Hydrol CEC	0.000E+00	0.00
In Soil Moi	5.990E+04	41.00
Hydrol Mois	0.000E+00	0.00
Degrad Mois	0.000E+00	0.00
Other Trans	0.000E+00	0.00
Other Sinks	0.000E+00	0.00
Gwr. Runoff	7.133E+03	4.88
Total Output	1.456E+05	99.67
Total Input	1.461E+05	
Input - Output	4.816E+02	

Maximum leachate concentration: 4.198E-03 mg/l

Climate File: LOS ANGELES, CIVIC CENTER

C:\SEV7 WIN7\SET_ET_05PRECIP.CLM

Chemical File: 1,1,2,2-Tetrachloroethane MA DEP

c:\sev7 win7\1 1 2 2-TETRACHLOROETHANE MA DEP.CHM

Soil File: Depth weighted soil

C:\SEV7 WIN7\DEPTH_AVG_SOIL.SOI

Application File: SEVIEW Default Application Parameters

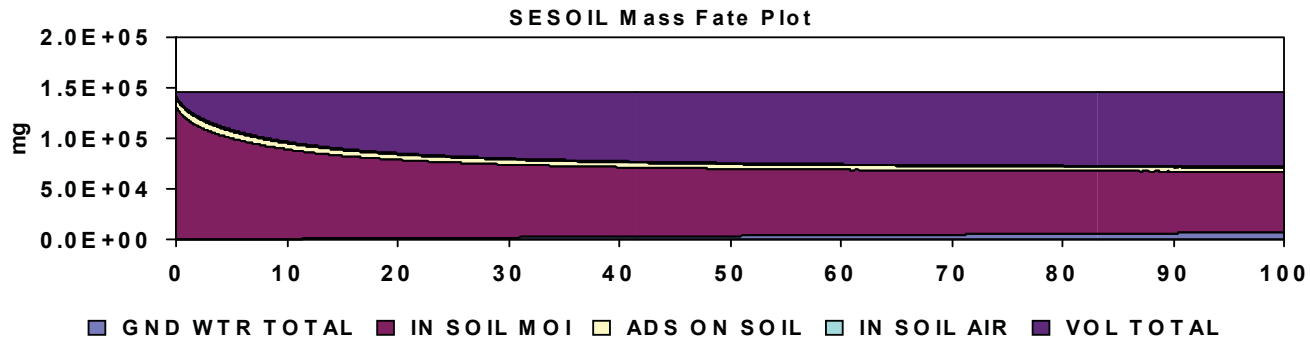
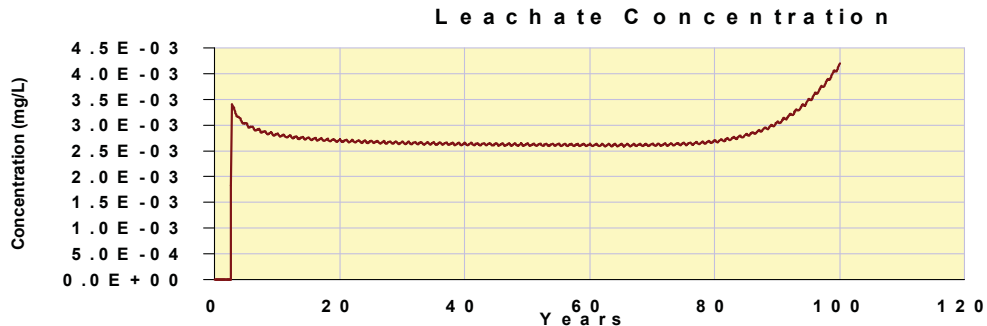
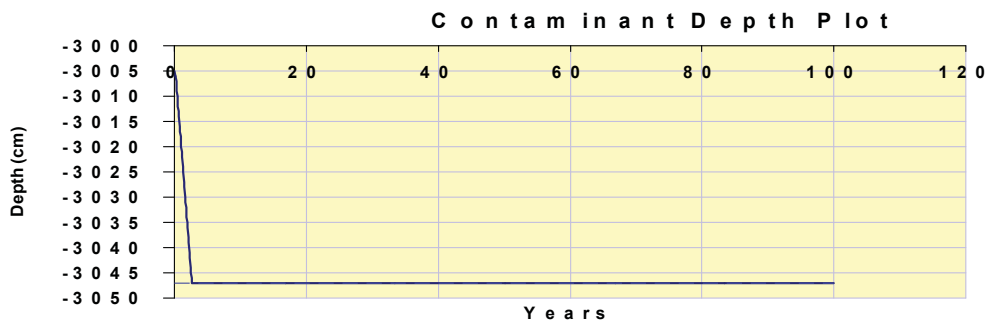
C:\SEV7 WIN7\S01.APL

Time to Groundwater: 2.08 years

Starting Depth: 3005.00 cm

Ending Depth: 3047.00 cm

Total Depth: 3047.00 cm



SESOIL Pollutant Cycle Report

Scenario Description: 777NFS

SESOIL Output File: C:\SEV7 WIN7\S01.OUT

SESOIL Process	Pollutant Mass (µg)	Percent of Total
Volatilized	1.622E+05	98.76
In Soil Air	5.796E+01	0.04
Sur. Runoff	0.000E+00	0.00
In Washld	0.000E+00	0.00
Ads On Soil	2.459E+00	0.00
Hydrol Soil	0.000E+00	0.00
Degrad Soil	0.000E+00	0.00
Pure Phase	0.000E+00	0.00
Complexed	0.000E+00	0.00
Immobile CEC	0.000E+00	0.00
Hydrol CEC	0.000E+00	0.00
In Soil Moi	5.036E+01	0.03
Hydrol Mois	0.000E+00	0.00
Degrad Mois	0.000E+00	0.00
Other Trans	0.000E+00	0.00
Other Sinks	0.000E+00	0.00
Gwr. Runoff	1.859E+03	1.13
Total Output	1.642E+05	99.96
Total Input	1.643E+05	
Input - Output	7.103E+01	

Maximum leachate concentration: 4.059E-03 mg/l

Climate File: LOS ANGELES, CIVIC CENTER

C:\SEV7 WIN7\SET_ET_05PRECIP.CLM

Chemical File: 1,1-Dichloroethene OEPA 2003

c:\sev7 win7\1 1-DICHLOROETHENE OEPA 2003.CHM

Soil File: Depth weighted soil

C:\SEV7 WIN7\DEPTH_AVG_SOIL.SOI

Application File: SEVIEW Default Application Parameters

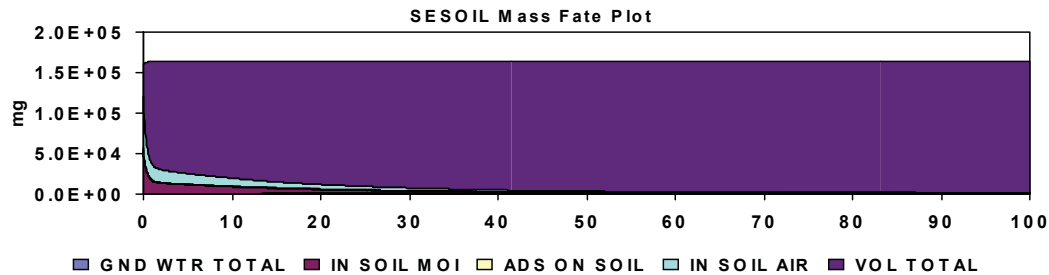
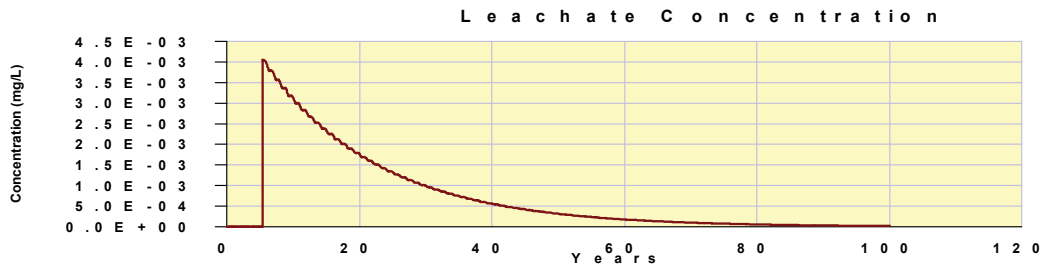
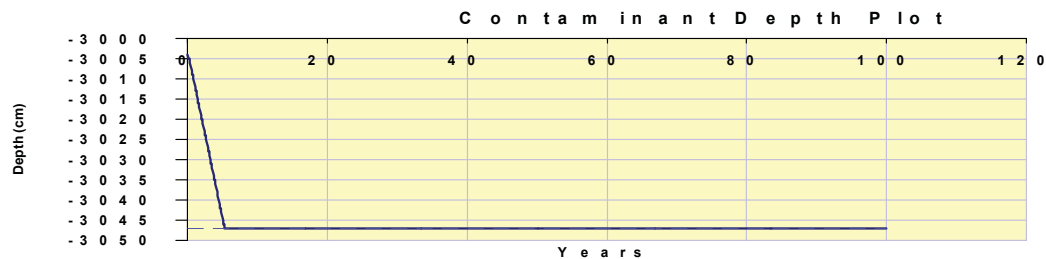
C:\SEV7 WIN7\S01.APL

Time to Groundwater: 5.08 years

Starting Depth: 3004.00 cm

Ending Depth: 3047.00 cm

Total Depth: 3047.00 cm



SESOIL Pollutant Cycle Report

Scenario Description: 777NFS

SESOIL Output File: C:\SEV7 WIN7\S01.OUT

SESOIL Process	Pollutant Mass (µg)	Percent of Total
Volatilized	1.570E+04	13.05
In Soil Air	6.809E-03	0.00
Sur. Runoff	0.000E+00	0.00
In Washld	0.000E+00	0.00
Ads On Soil	1.707E-03	0.00
Hydrol Soil	0.000E+00	0.00
Degrad Soil	0.000E+00	0.00
Pure Phase	0.000E+00	0.00
Complexed	0.000E+00	0.00
Immobile CEC	0.000E+00	0.00
Hydrol CEC	0.000E+00	0.00
In Soil Moi	1.303E-01	0.00
Hydrol Mois	0.000E+00	0.00
Degrad Mois	1.046E+05	87.02
Other Trans	0.000E+00	0.00
Other Sinks	0.000E+00	0.00
Gwr. Runoff	8.321E-02	0.00
Total Output	1.203E+05	100.08
Total Input	1.203E+05	
Input - Output	-9.354E+01	

Maximum leachate concentration: 4.007E-08 mg/l

Climate File: LOS ANGELES, CIVIC CENTER

C:\SEV7 WIN7\SET_ET_05PRECIP.CLM

Chemical File: 1,2-Dichloroethane (EDC)

c:\sev7 win7\1 2-DICHLOROETHANE (EDC).CHM

Soil File: Depth weighted soil

C:\SEV7 WIN7\DEPTH_AVG_SOIL.SOI

Application File: SEVIEW Default Application Parameters

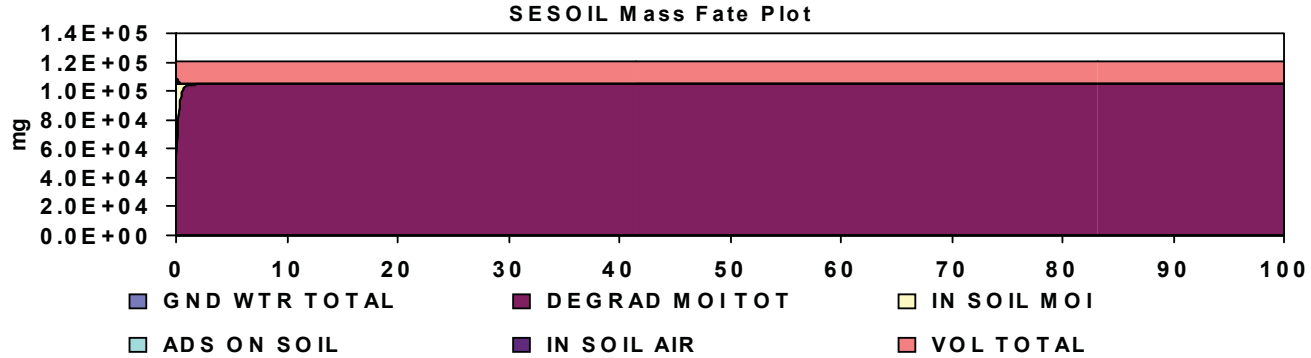
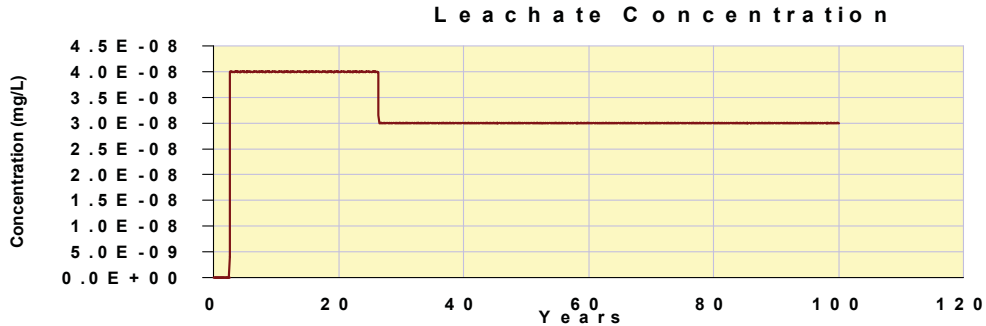
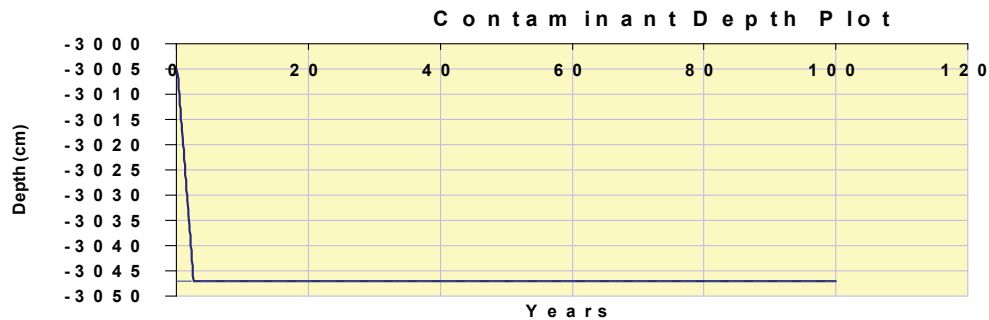
C:\SEV7 WIN7\S01.APL

Time to Groundwater: 2.08 years

Starting Depth: 3005.00 cm

Ending Depth: 3047.00 cm

Total Depth: 3047.00 cm



SESOIL Pollutant Cycle Report

Scenario Description: 777NFS

SESOIL Output File: C:\SEV7 WIN7\S01.OUT

SESOIL Process	Pollutant Mass (µg)	Percent of Total
Volatilized	2.660E+03	96.28
In Soil Air	6.071E+00	0.22
Sur. Runoff	0.000E+00	0.00
In Washld	0.000E+00	0.00
Ads On Soil	5.779E-01	0.02
Hydrol Soil	0.000E+00	0.00
Degrad Soil	0.000E+00	0.00
Pure Phase	0.000E+00	0.00
Complexed	0.000E+00	0.00
Immobile CEC	0.000E+00	0.00
Hydrol CEC	0.000E+00	0.00
In Soil Moi	2.481E+01	0.90
Hydrol Mois	0.000E+00	0.00
Degrad Mois	0.000E+00	0.00
Other Trans	0.000E+00	0.00
Other Sinks	0.000E+00	0.00
Gwr. Runoff	6.770E+01	2.45
Total Output	2.759E+03	99.86
Total Input	2.763E+03	
Input - Output	3.732E+00	

Maximum leachate concentration: 5.447E-05 mg/l

Climate File: LOS ANGELES, CIVIC CENTER

C:\SEV7 WIN7\SET_ET_05PRECIP.CLM

Chemical File: Benzene

c:\sev7 win7\BENZENE.CHM

Soil File: Depth weighted soil

C:\SEV7 WIN7\DEPTH_AVG_SOIL.SOI

Application File: SEVIEW Default Application Parameters

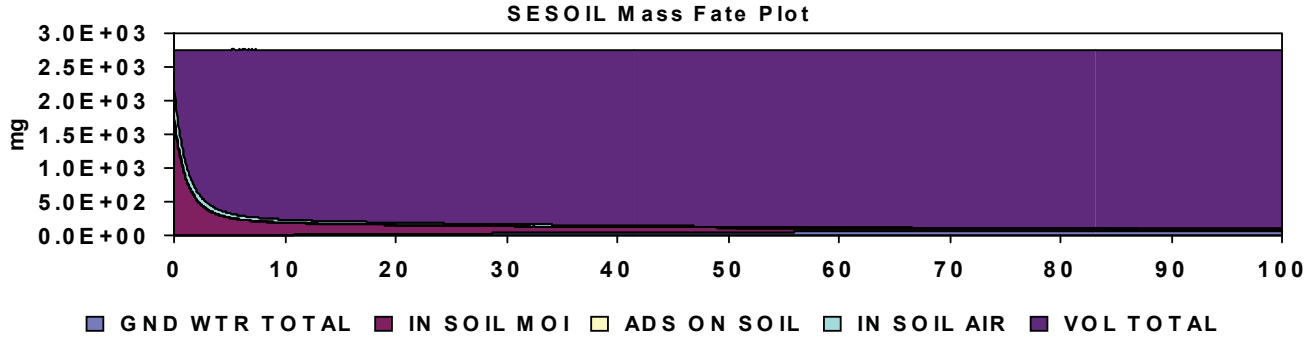
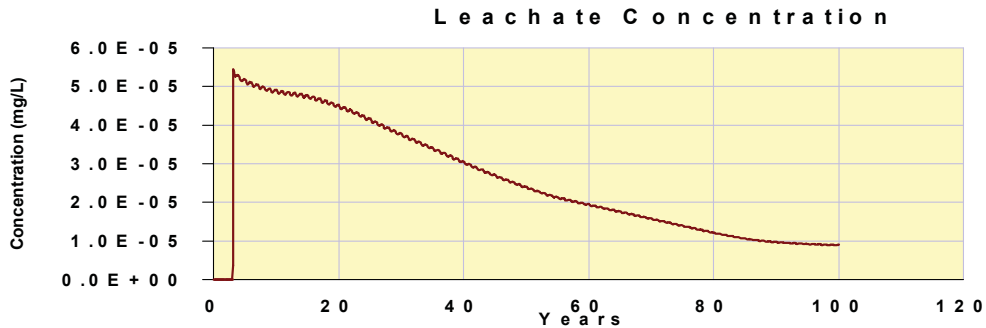
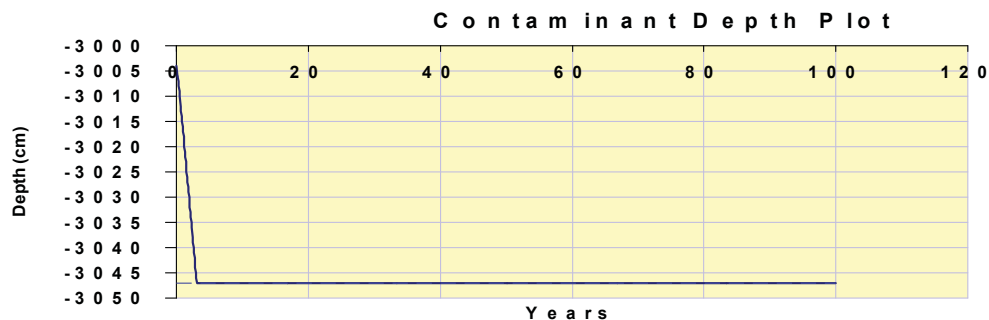
C:\SEV7 WIN7\S01.APL

Time to Groundwater: 3.08 years

Starting Depth: 3004.00 cm

Ending Depth: 3047.00 cm

Total Depth: 3047.00 cm



SESOIL Pollutant Cycle Report

Scenario Description: 777NFS

SESOIL Output File: C:\SEV7 WIN7\S01.OUT

SESOIL Process	Pollutant Mass (µg)	Percent of Total
Volatilized	0.000E+00	0.00
In Soil Air	0.000E+00	0.00
Sur. Runoff	0.000E+00	0.00
In Washld	0.000E+00	0.00
Ads On Soil	7.337E+08	100.00
Hydrol Soil	0.000E+00	0.00
Degrad Soil	0.000E+00	0.00
Pure Phase	0.000E+00	0.00
Complexed	0.000E+00	0.00
Immobile CEC	0.000E+00	0.00
Hydrol CEC	0.000E+00	0.00
In Soil Moi	3.127E+01	0.00
Hydrol Mois	0.000E+00	0.00
Degrad Mois	0.000E+00	0.00
Other Trans	0.000E+00	0.00
Other Sinks	0.000E+00	0.00
Gwr. Runoff	0.000E+00	0.00
Total Output	7.337E+08	100.00
Total Input	7.337E+08	
Input - Output	-2.003E+04	

Maximum leachate concentration: 0.000E+00 mg/l

Climate File: LOS ANGELES, CIVIC CENTER

C:\SEV7 WIN7\SET_ET_05PRECIP.CLM

Chemical File: Chromium (III) (Insoluble Salts) (Kd)

c:\sev7 win7\CHROMIUM (III) (INSOLUBLE SALTS) (KD).CHM

Soil File: Depth weighted soil

C:\SEV7 WIN7\DEPTH_AVG_SOIL.SOI

Application File: SEVIEW Default Application Parameters

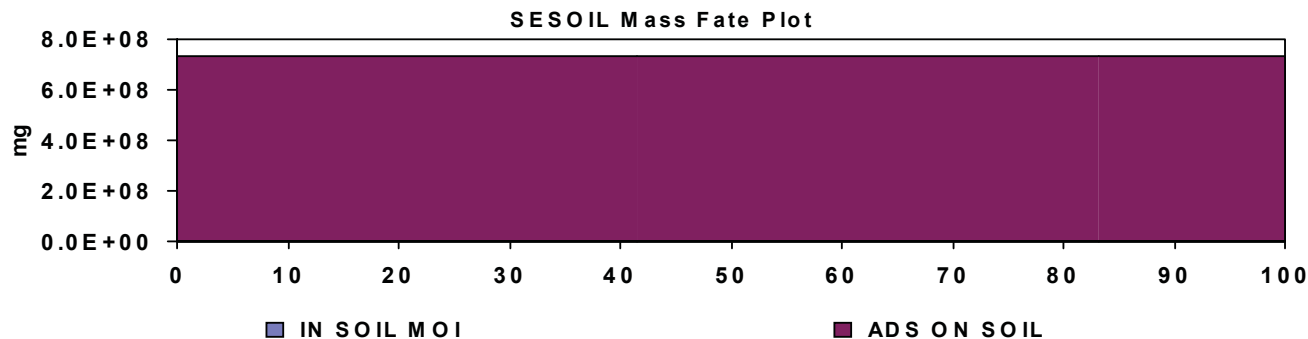
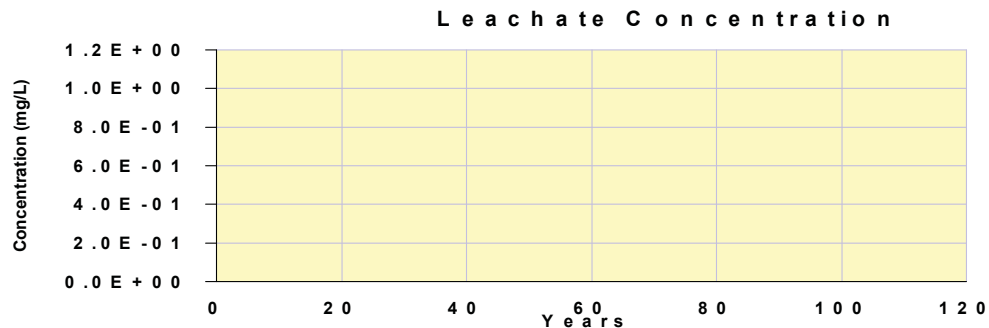
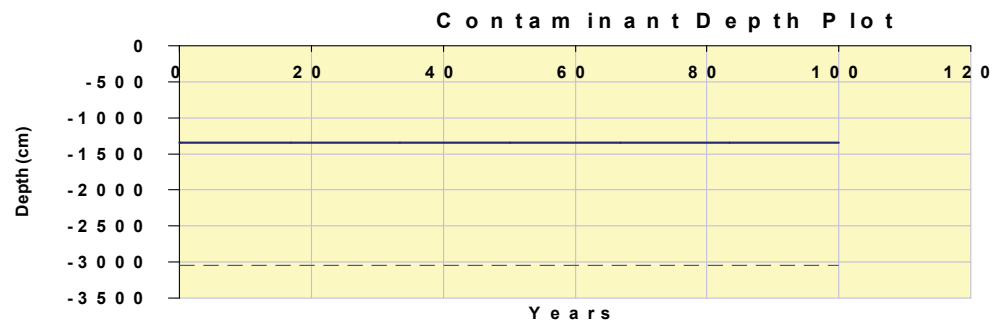
C:\SEV7 WIN7\S01.APL

Time to Groundwater: years

Starting Depth: 1345.00 cm

Ending Depth: 1345.00 cm

Total Depth: 3047.00 cm



SESOIL Pollutant Cycle Report

Scenario Description: 777NFS

SESOIL Output File: C:\SEV7 WIN7\S01.OUT

SESOIL Process	Pollutant Mass (µg)	Percent of Total
Volatilized	0.000E+00	0.00
In Soil Air	0.000E+00	0.00
Sur. Runoff	0.000E+00	0.00
In Washld	0.000E+00	0.00
Ads On Soil	7.277E+08	99.18
Hydrol Soil	0.000E+00	0.00
Degrad Soil	0.000E+00	0.00
Pure Phase	0.000E+00	0.00
Complexed	0.000E+00	0.00
Immobile CEC	0.000E+00	0.00
Hydrol CEC	0.000E+00	0.00
In Soil Moi	2.938E+06	0.40
Hydrol Mois	0.000E+00	0.00
Degrad Mois	0.000E+00	0.00
Other Trans	0.000E+00	0.00
Other Sinks	0.000E+00	0.00
Gwr. Runoff	0.000E+00	0.00
Total Output	7.306E+08	99.58
Total Input	7.337E+08	
Input - Output	3.061E+06	

Maximum leachate concentration: 0.000E+00 mg/l

Climate File: LOS ANGELES, CIVIC CENTER

C:\SEV7 WIN7\SET_ET_05PRECIP.CLM

Chemical File: Chromium VI (particulates) (Kd)

c:\sev7 win7\CHROMIUM VI (PARTICULATES) (KD).CHM

Soil File: Depth weighted soil

C:\SEV7 WIN7\DEPTH_AVG_SOIL.SOI

Application File: SEVIEW Default Application Parameters

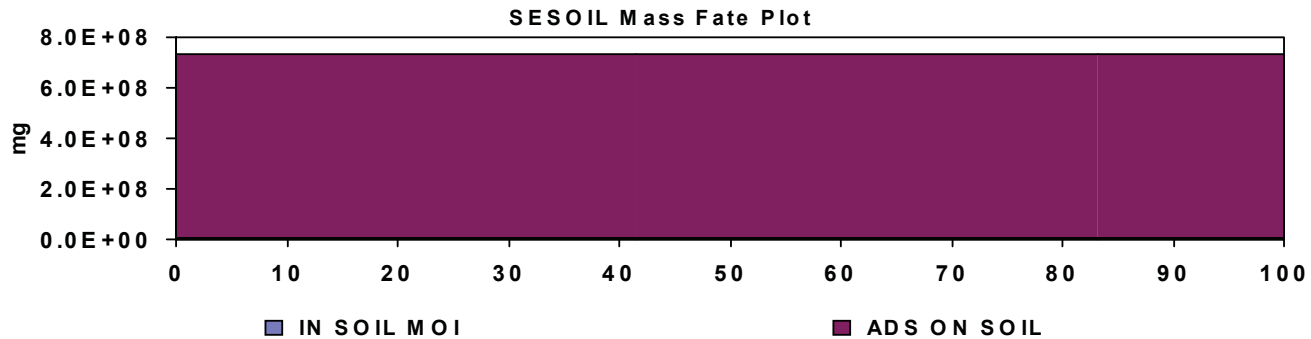
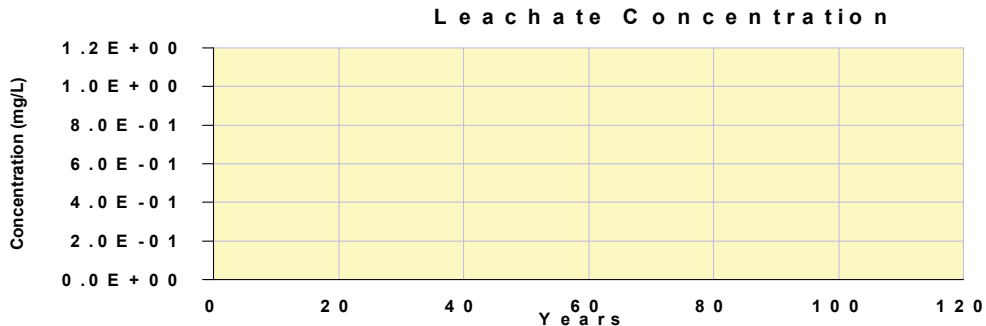
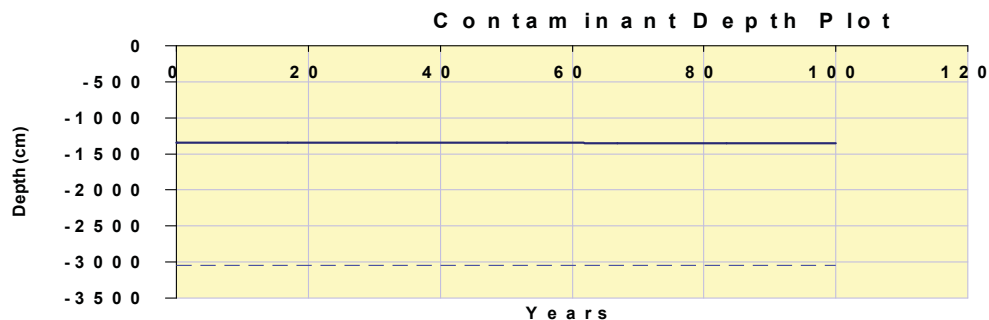
C:\SEV7 WIN7\S01.APL

Time to Groundwater: 2.83E+04 years

Starting Depth: 1345.00 cm

Ending Depth: 1351.00 cm

Total Depth: 3047.00 cm



SESOIL Pollutant Cycle Report

Scenario Description: 777NFS

SESOIL Output File: C:\SEV7 WIN7\S01.OUT

SESOIL Process	Pollutant Mass (µg)	Percent of Total
Volatilized	4.505E+08	88.85
In Soil Air	4.505E+06	0.89
Sur. Runoff	0.000E+00	0.00
In Washld	0.000E+00	0.00
Ads On Soil	1.105E+06	0.22
Hydrol Soil	0.000E+00	0.00
Degrad Soil	0.000E+00	0.00
Pure Phase	0.000E+00	0.00
Complexed	0.000E+00	0.00
Immobile CEC	0.000E+00	0.00
Hydrol CEC	0.000E+00	0.00
In Soil Moi	5.554E+06	1.10
Hydrol Mois	0.000E+00	0.00
Degrad Mois	0.000E+00	0.00
Other Trans	0.000E+00	0.00
Other Sinks	0.000E+00	0.00
Gwr. Runoff	4.468E+07	8.81
Total Output	5.063E+08	99.86
Total Input	5.071E+08	
Input - Output	7.167E+05	

Maximum leachate concentration: 5.818E+01 mg/l

Climate File: LOS ANGELES, CIVIC CENTER

C:\SEV7 WIN7\SET_ET_05PRECIP.CLM

Chemical File: PCE (Tetrachloroethene) OEPA 2003

c:\sev7 win7\PCE (TETRACHLOROETHENE) OEPA 2003.CHM

Soil File: Depth weighted soil

C:\SEV7 WIN7\DEPTH_AVG_SOIL.SOI

Application File: SEVIEW Default Application Parameters

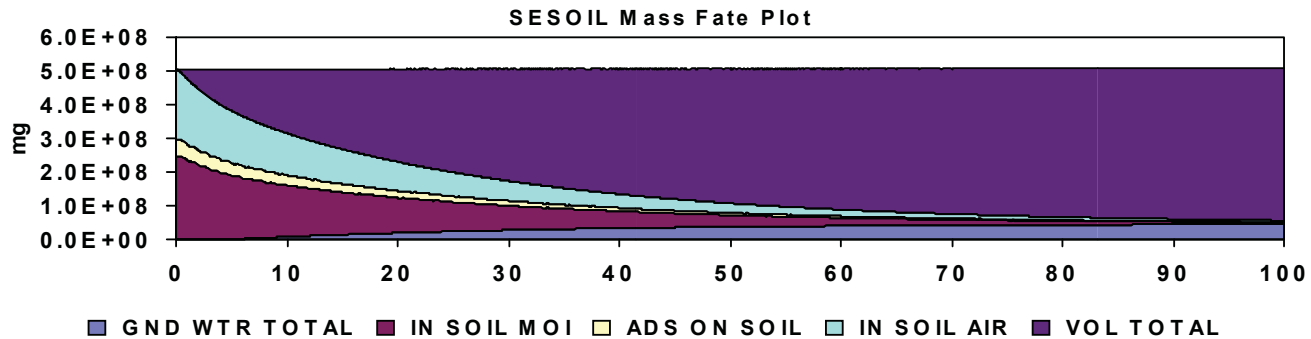
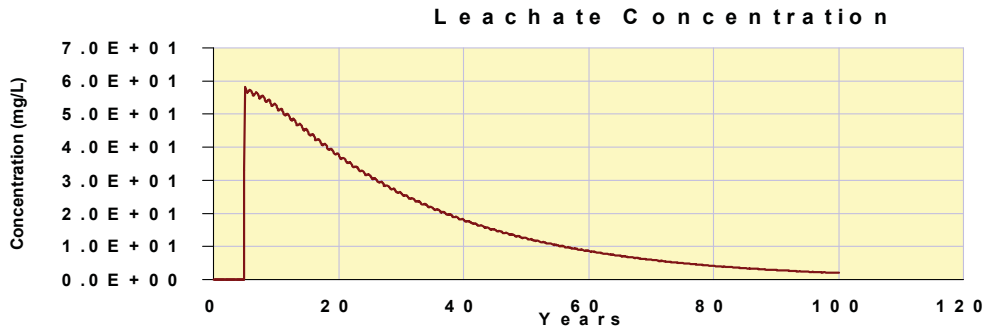
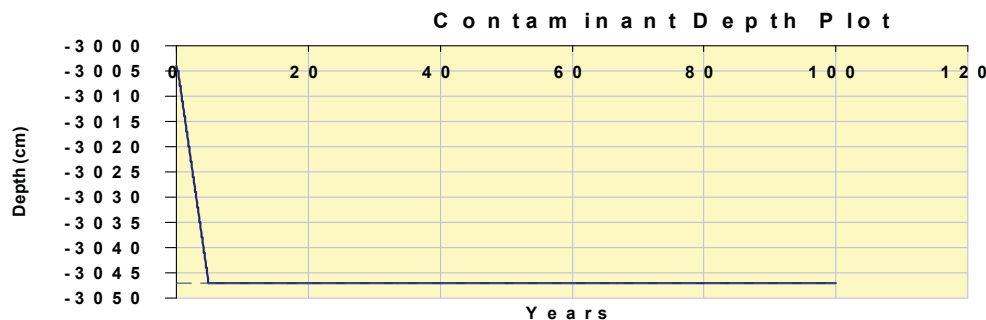
C:\SEV7 WIN7\S01.APL

Time to Groundwater: 4.08 years

Starting Depth: 3004.00 cm

Ending Depth: 3047.00 cm

Total Depth: 3047.00 cm



SESOIL Pollutant Cycle Report

Scenario Description: 777NFS

SESOIL Output File: C:\SEV7 WIN7\S01.OUT

SESOIL Process	Pollutant Mass (µg)	Percent of Total
Volatilized	2.300E+05	99.50
In Soil Air	1.164E+02	0.05
Sur. Runoff	0.000E+00	0.00
In Washld	0.000E+00	0.00
Ads On Soil	4.528E+01	0.02
Hydrol Soil	0.000E+00	0.00
Degrad Soil	0.000E+00	0.00
Pure Phase	0.000E+00	0.00
Complexed	0.000E+00	0.00
Immobile CEC	0.000E+00	0.00
Hydrol CEC	0.000E+00	0.00
In Soil Moi	7.460E+02	0.32
Hydrol Mois	0.000E+00	0.00
Degrad Mois	0.000E+00	0.00
Other Trans	0.000E+00	0.00
Other Sinks	0.000E+00	0.00
Gwr. Runoff	2.218E+02	0.10
Total Output	2.311E+05	99.99
Total Input	2.312E+05	
Input - Output	3.019E+01	

Maximum leachate concentration: 1.398E-04 mg/l

Climate File: LOS ANGELES, CIVIC CENTER

C:\SEV7 WIN7\SET_ET_05PRECIP.CLM

Chemical File: Dichloropropene, 1,3-

c:\sev7 win7\DICHLOROPROPENE 1 3-.CHM

Soil File: Depth weighted soil

C:\SEV7 WIN7\DEPTH_AVG_SOIL.SOI

Application File: SEVIEW Default Application Parameters

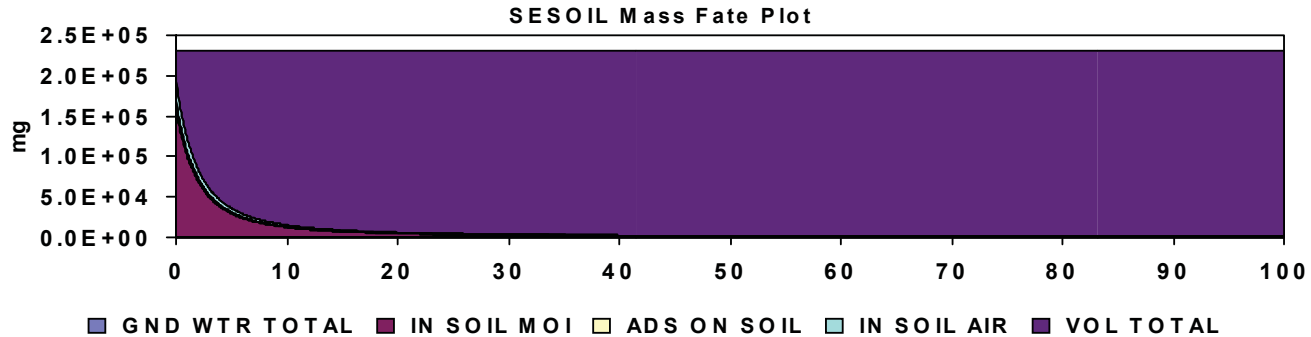
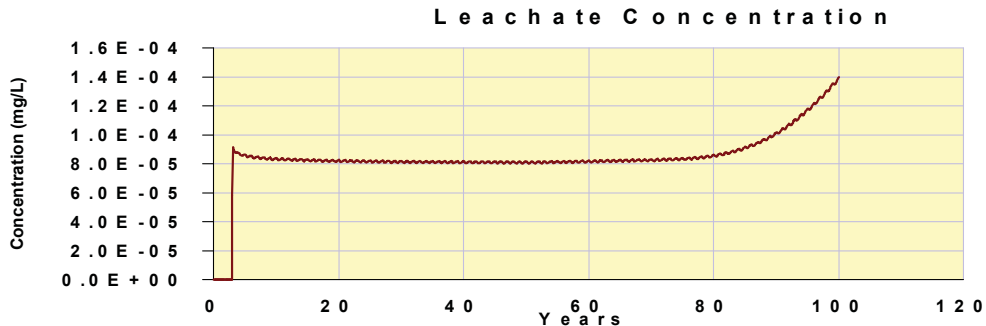
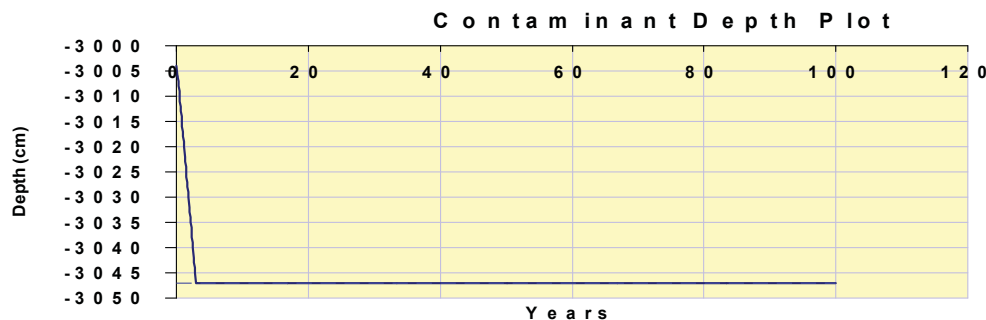
C:\SEV7 WIN7\S01.APL

Time to Groundwater: 2.08 years

Starting Depth: 3004.00 cm

Ending Depth: 3047.00 cm

Total Depth: 3047.00 cm



SESOIL Pollutant Cycle Report

Scenario Description: 777NFS

SESOIL Output File: C:\SEV7 WIN7\S01.OUT

SESOIL Process	Pollutant Mass (µg)	Percent of Total
Volatilized	2.226E+06	95.88
In Soil Air	6.375E+03	0.27
Sur. Runoff	0.000E+00	0.00
In Washld	0.000E+00	0.00
Ads On Soil	1.541E+03	0.07
Hydrol Soil	0.000E+00	0.00
Degrad Soil	0.000E+00	0.00
Pure Phase	0.000E+00	0.00
Complexed	0.000E+00	0.00
Immobile CEC	0.000E+00	0.00
Hydrol CEC	0.000E+00	0.00
In Soil Moi	1.235E+04	0.53
Hydrol Mois	0.000E+00	0.00
Degrad Mois	0.000E+00	0.00
Other Trans	0.000E+00	0.00
Other Sinks	0.000E+00	0.00
Gwr. Runoff	7.461E+04	3.21
Total Output	2.321E+06	99.96
Total Input	2.322E+06	
Input - Output	8.179E+02	

Maximum leachate concentration: 7.647E-02 mg/l

Climate File: LOS ANGELES, CIVIC CENTER

C:\SEV7 WIN7\SET_ET_05PRECIP.CLM

Chemical File: Trichloroethylene (TCE)

c:\sev7 win7\TRICHLOROETHYLENE (TCE).CHM

Soil File: Depth weighted soil

C:\SEV7 WIN7\DEPTH_AVG_SOIL.SOI

Application File: SEVIEW Default Application Parameters

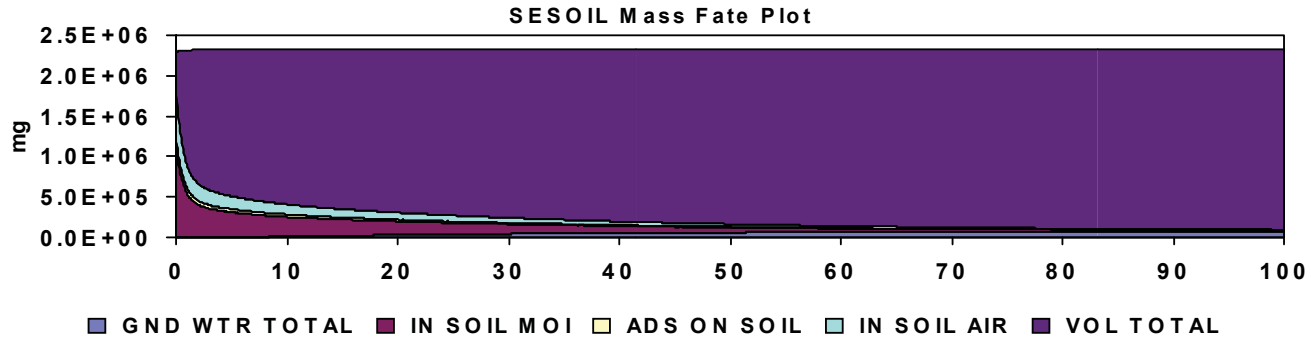
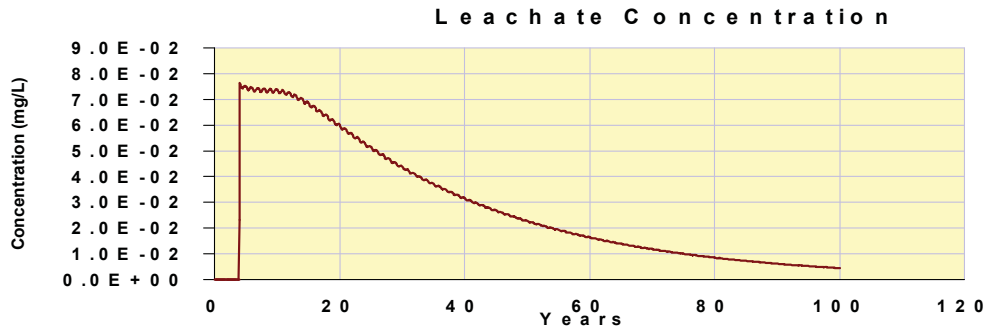
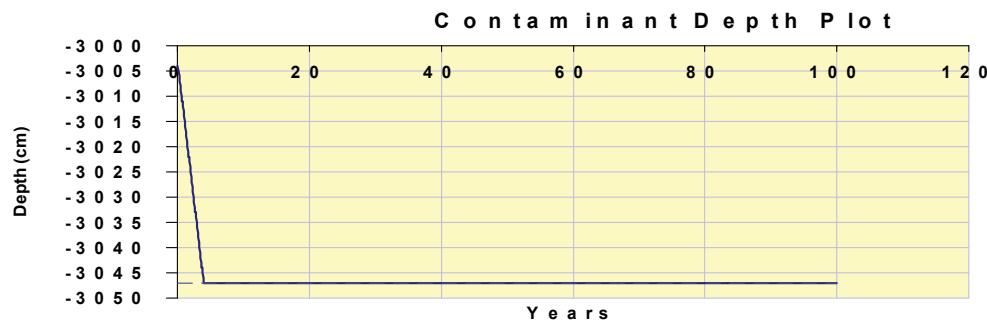
C:\SEV7 WIN7\S01.APL

Time to Groundwater: 3.08 years

Starting Depth: 3004.00 cm

Ending Depth: 3047.00 cm

Total Depth: 3047.00 cm



SESOIL Pollutant Cycle Report

Scenario Description: 777NFS

SESOIL Output File: C:\SEV7 WIN7\S01.OUT

SESOIL Process	Pollutant Mass (µg)	Percent of Total
Volatilized	1.911E+05	100.03
In Soil Air	5.260E+00	0.00
Sur. Runoff	0.000E+00	0.00
In Washld	0.000E+00	0.00
Ads On Soil	7.444E-02	0.00
Hydrol Soil	0.000E+00	0.00
Degrad Soil	0.000E+00	0.00
Pure Phase	0.000E+00	0.00
Complexed	0.000E+00	0.00
Immobile CEC	0.000E+00	0.00
Hydrol CEC	0.000E+00	0.00
In Soil Moi	5.326E+00	0.00
Hydrol Mois	0.000E+00	0.00
Degrad Mois	0.000E+00	0.00
Other Trans	0.000E+00	0.00
Other Sinks	0.000E+00	0.00
Gwr. Runoff	7.679E+00	0.00
Total Output	1.911E+05	100.04
Total Input	1.911E+05	
Input - Output	-6.991E+01	

Maximum leachate concentration: 9.103E-06 mg/l

Climate File: LOS ANGELES, CIVIC CENTER

C:\SEV7 WIN7\SET_ET_05PRECIP.CLM

Chemical File: Vinyl Chloride

c:\sev7 win7\VINYL CHLORIDE.CHM

Soil File: Depth weighted soil

C:\SEV7 WIN7\DEPTH_AVG_SOIL.SOI

Application File: SEVIEW Default Application Parameters

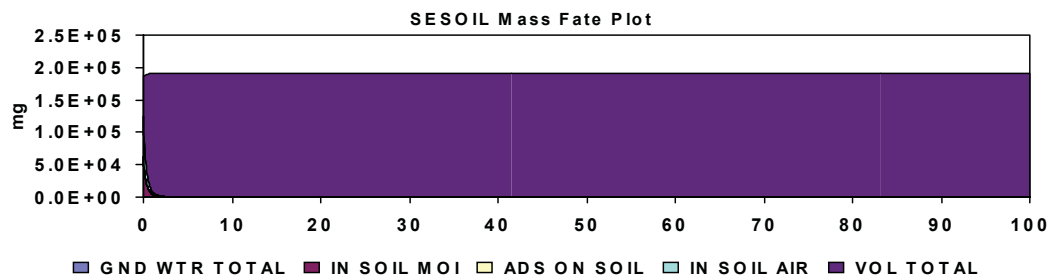
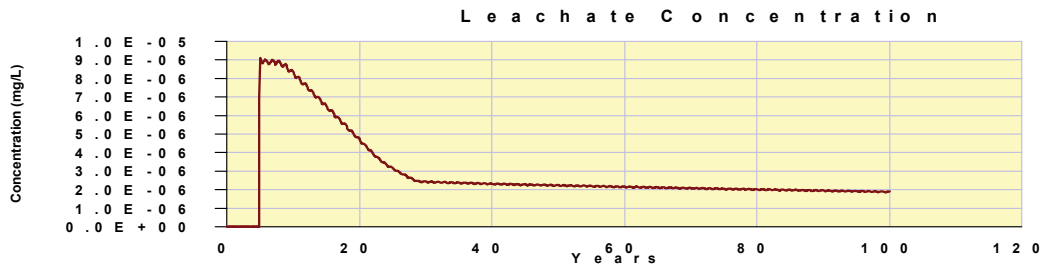
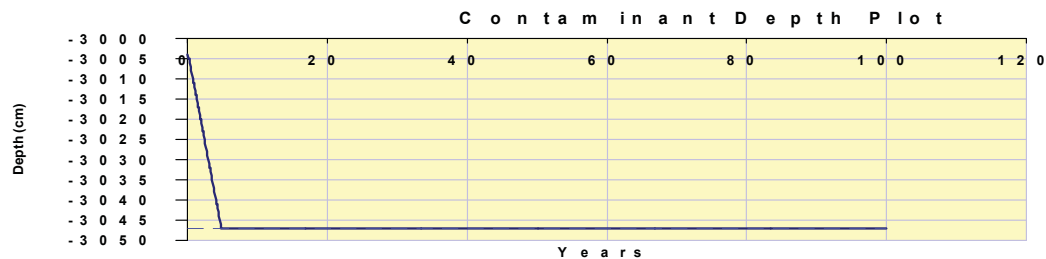
C:\SEV7 WIN7\S01.APL

Time to Groundwater: 4.08 years

Starting Depth: 3004.00 cm

Ending Depth: 3047.00 cm

Total Depth: 3047.00 cm



Model Output Files
Scenario 3
Future Site Conditions (Soil)

SESOIL Pollutant Cycle Report

Scenario Description: 777NFS

SESOIL Output File: C:\SEV7 WIN7\S01.OUT

SESOIL Process	Pollutant Mass (µg)	Percent of Total
Volatilized	1.044E+04	7.17
In Soil Air	3.583E+02	0.25
Sur. Runoff	0.000E+00	0.00
In Washld	0.000E+00	0.00
Ads On Soil	1.501E+03	1.03
Hydrol Soil	0.000E+00	0.00
Degrad Soil	0.000E+00	0.00
Pure Phase	0.000E+00	0.00
Complexed	0.000E+00	0.00
Immobile CEC	0.000E+00	0.00
Hydrol CEC	0.000E+00	0.00
In Soil Moi	1.911E+04	13.13
Hydrol Mois	0.000E+00	0.00
Degrad Mois	0.000E+00	0.00
Other Trans	0.000E+00	0.00
Other Sinks	0.000E+00	0.00
Gwr. Runoff	1.134E+05	77.94
Total Output	1.449E+05	
Total Input	1.456E+05	
Input - Output	6.964E+02	

Maximum leachate concentration: 1.564E-01 mg/l

Climate File: LOS ANGELES, CIVIC CENTER

C:\SEV7 WIN7\CALC_EP_100PRECIP.CLM

Chemical File: 1,1,2,2-Tetrachloroethane MA DEP

c:\sev7 win7\1 1 2 2-TETRACHLOROETHANE MA DEP.CHM

Soil File: Depth weighted soil

C:\SEV7 WIN7\DEPTH_AVG_SOIL.SOI

Application File: SEVIEW Default Application Parameters

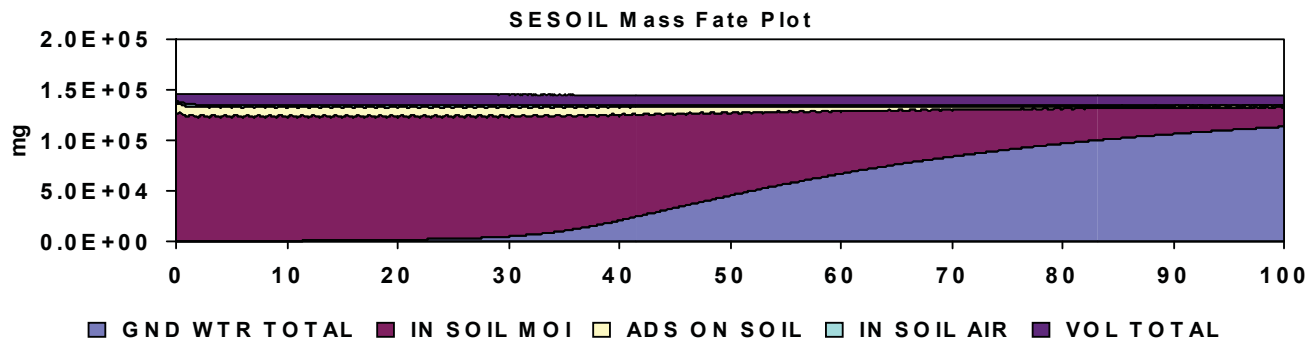
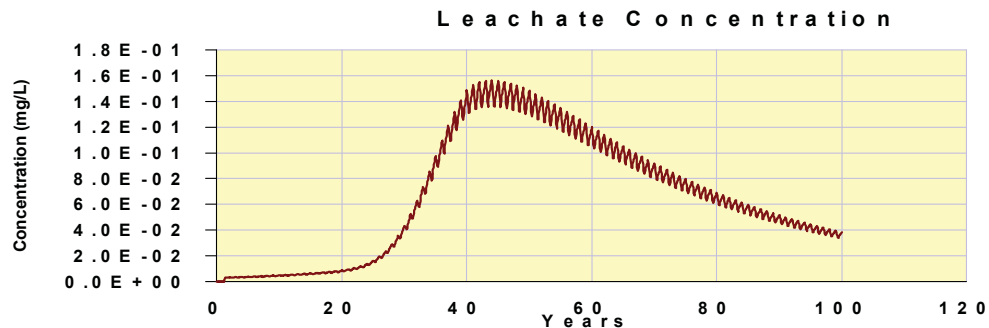
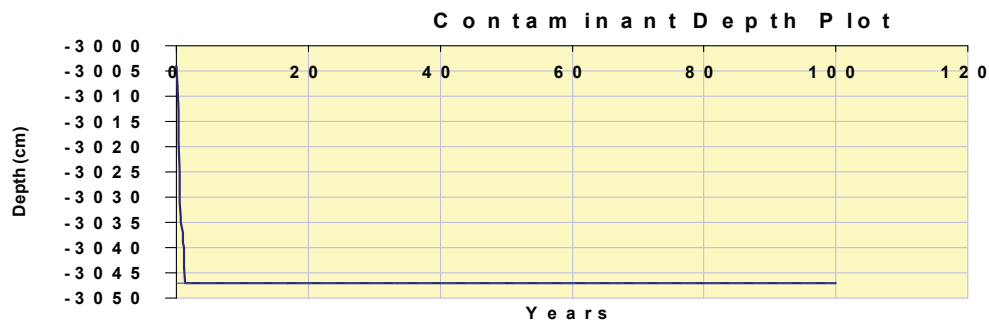
C:\SEV7 WIN7\S01.APL

Time to Groundwater: 1.08 years

Starting Depth: 3004.00 cm

Ending Depth: 3047.00 cm

Total Depth: 3047.00 cm



SESOIL Pollutant Cycle Report

Scenario Description: 777NFS

SESOIL Output File: C:\SEV7 WIN7\S01.OUT

SESOIL Process	Pollutant Mass (µg)	Percent of Total
Volatilized	1.624E+05	98.89
In Soil Air	8.090E+01	0.05
Sur. Runoff	0.000E+00	0.00
In Washld	0.000E+00	0.00
Ads On Soil	3.121E+00	0.00
Hydrol Soil	0.000E+00	0.00
Degrad Soil	0.000E+00	0.00
Pure Phase	0.000E+00	0.00
Complexed	0.000E+00	0.00
Immobile CEC	0.000E+00	0.00
Hydrol CEC	0.000E+00	0.00
In Soil Moi	5.700E+01	0.03
Hydrol Mois	0.000E+00	0.00
Degrad Mois	0.000E+00	0.00
Other Trans	0.000E+00	0.00
Other Sinks	0.000E+00	0.00
Gwr. Runoff	1.618E+03	0.99
Total Output	1.642E+05	99.96
Total Input	1.643E+05	
Input - Output	6.920E+01	

Maximum leachate concentration: 4.901E-03 mg/l

Climate File: LOS ANGELES, CIVIC CENTER

C:\SEV7 WIN7\CALC_EP_100PRECIP.CLM

Chemical File: 1,1-Dichloroethene OEPA 2003

c:\sev7 win7\1 1-DICHLOROETHENE OEPA 2003.CHM

Soil File: Depth weighted soil

C:\SEV7 WIN7\DEPTH_AVG_SOIL.SOI

Application File: SEVIEW Default Application Parameters

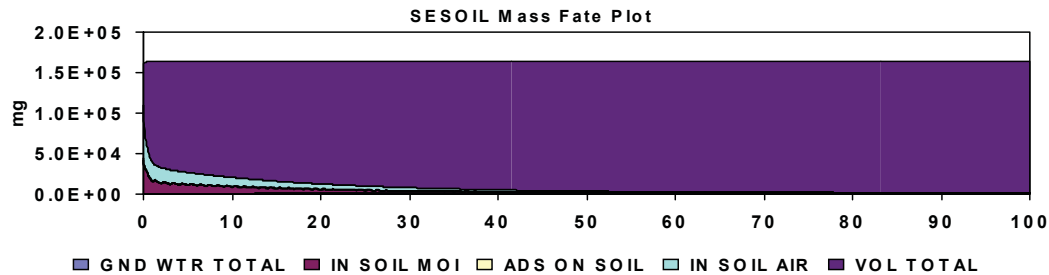
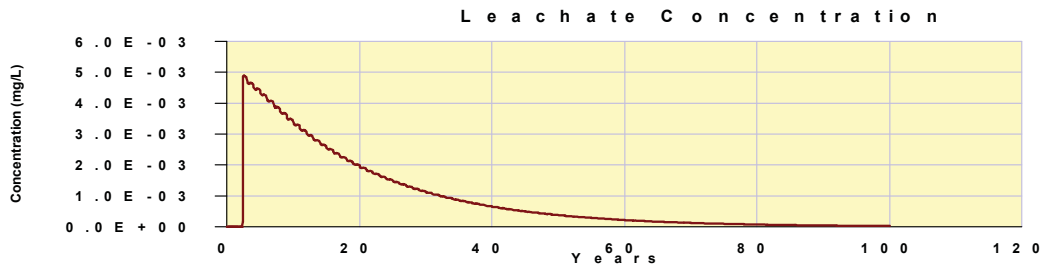
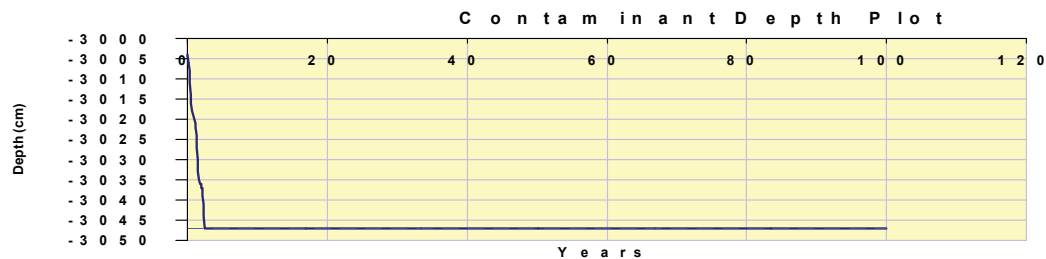
C:\SEV7 WIN7\S01.APL

Time to Groundwater: 2.08 years

Starting Depth: 3004.00 cm

Ending Depth: 3047.00 cm

Total Depth: 3047.00 cm



SESOIL Pollutant Cycle Report

Scenario Description: 777NFS

SESOIL Output File: C:\SEV7 WIN7\S01.OUT

SESOIL Process	Pollutant Mass (µg)	Percent of Total
Volatilized	1.672E+04	13.90
In Soil Air	2.508E-03	0.00
Sur. Runoff	0.000E+00	0.00
In Washld	0.000E+00	0.00
Ads On Soil	5.720E-04	0.00
Hydrol Soil	0.000E+00	0.00
Degrad Soil	0.000E+00	0.00
Pure Phase	0.000E+00	0.00
Complexed	0.000E+00	0.00
Immobile CEC	0.000E+00	0.00
Hydrol CEC	0.000E+00	0.00
In Soil Moi	3.889E-02	0.00
Hydrol Mois	0.000E+00	0.00
Degrad Mois	1.035E+05	86.10
Other Trans	0.000E+00	0.00
Other Sinks	0.000E+00	0.00
Gwr. Runoff	2.670E-02	0.00
Total Output	1.203E+05	100.01
Total Input	1.203E+05	
Input - Output	-1.074E+01	

Maximum leachate concentration: 1.334E-06 mg/l

Climate File: LOS ANGELES, CIVIC CENTER

C:\SEV7 WIN7\CALC_EP_100PRECIP.CLM

Chemical File: 1,2-Dichloroethane (EDC)

c:\sev7 win7\1 2-DICHLOROETHANE (EDC).CHM

Soil File: Depth weighted soil

C:\SEV7 WIN7\DEPTH_AVG_SOIL.SOI

Application File: SEVIEW Default Application Parameters

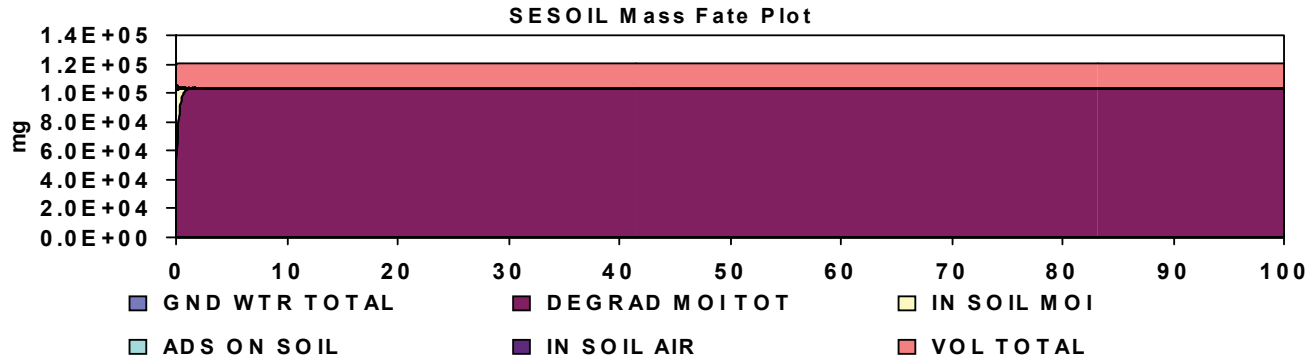
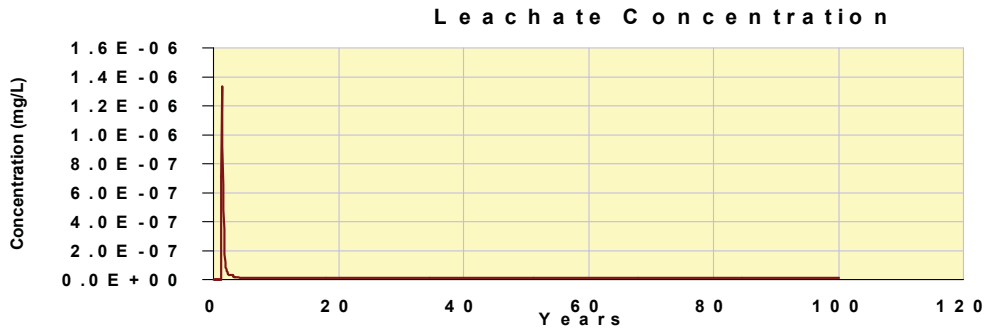
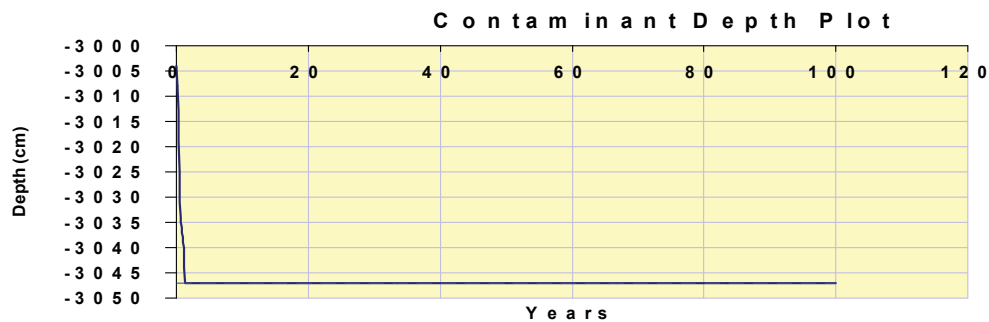
C:\SEV7 WIN7\S01.APL

Time to Groundwater: 1.08 years

Starting Depth: 3004.00 cm

Ending Depth: 3047.00 cm

Total Depth: 3047.00 cm



SESOIL Pollutant Cycle Report

Scenario Description: 777NFS

SESOIL Output File: C:\SEV7 WIN7\S01.OUT

SESOIL Process	Pollutant Mass (µg)	Percent of Total
Volatilized	2.357E+03	85.59
In Soil Air	4.019E+01	1.46
Sur. Runoff	0.000E+00	0.00
In Washld	0.000E+00	0.00
Ads On Soil	3.478E+00	0.13
Hydrol Soil	0.000E+00	0.00
Degrad Soil	0.000E+00	0.00
Pure Phase	0.000E+00	0.00
Complexed	0.000E+00	0.00
Immobile CEC	0.000E+00	0.00
Hydrol CEC	0.000E+00	0.00
In Soil Moi	1.332E+02	4.84
Hydrol Mois	0.000E+00	0.00
Degrad Mois	0.000E+00	0.00
Other Trans	0.000E+00	0.00
Other Sinks	0.000E+00	0.00
Gwr. Runoff	1.883E+02	6.84
Total Output	2.723E+03	98.84
Total Input	2.755E+03	
Input - Output	3.190E+01	

Maximum leachate concentration: 1.726E-04 mg/l

Climate File: LOS ANGELES, CIVIC CENTER

C:\SEV7 WIN7\CALC_EP_100PRECIP.CLM

Chemical File: Benzene

c:\sev7 win7\BENZENE.CHM

Soil File: Depth weighted soil

C:\SEV7 WIN7\DEPTH_AVG_SOIL.SOI

Application File: SEVIEW Default Application Parameters

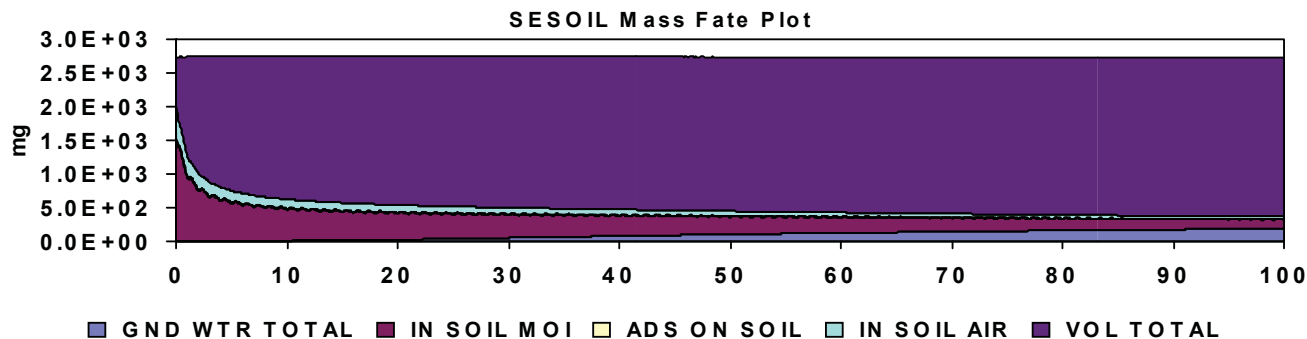
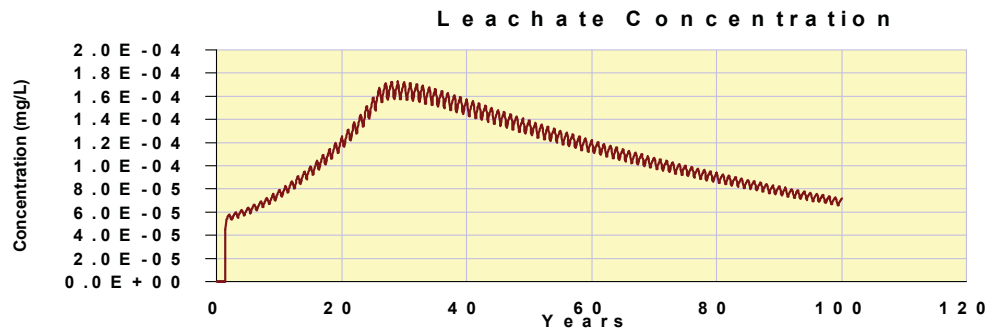
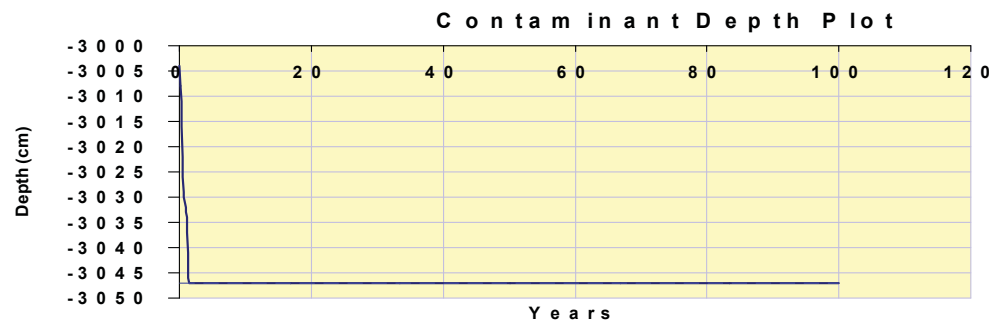
C:\SEV7 WIN7\S01.APL

Time to Groundwater: 1.08 years

Starting Depth: 3004.00 cm

Ending Depth: 3047.00 cm

Total Depth: 3047.00 cm



SESOIL Pollutant Cycle Report

Scenario Description: 777NFS

SESOIL Output File: C:\SEV7 WIN7\S01.OUT

SESOIL Process	Pollutant Mass (µg)	Percent of Total
Volatilized	0.000E+00	0.00
In Soil Air	0.000E+00	0.00
Sur. Runoff	0.000E+00	0.00
In Washld	0.000E+00	0.00
Ads On Soil	7.337E+08	100.00
Hydrol Soil	0.000E+00	0.00
Degrad Soil	0.000E+00	0.00
Pure Phase	0.000E+00	0.00
Complexed	0.000E+00	0.00
Immobile CEC	0.000E+00	0.00
Hydrol CEC	0.000E+00	0.00
In Soil Moi	2.786E+01	0.00
Hydrol Mois	0.000E+00	0.00
Degrad Mois	0.000E+00	0.00
Other Trans	0.000E+00	0.00
Other Sinks	0.000E+00	0.00
Gwr. Runoff	0.000E+00	0.00
Total Output	7.337E+08	100.00
Total Input	7.337E+08	
Input - Output	-2.002E+04	

Maximum leachate concentration: 0.000E+00 mg/l

Climate File: LOS ANGELES, CIVIC CENTER

C:\SEV7 WIN7\CALC_EP_100PRECIP.CLM

Chemical File: Chromium (III) (Insoluble Salts) (Kd)

c:\sev7 win7\CHROMIUM (III) (INSOLUBLE SALTS) (KD).CHM

Soil File: Depth weighted soil

C:\SEV7 WIN7\DEPTH_AVG_SOIL.SOI

Application File: SEVIEW Default Application Parameters

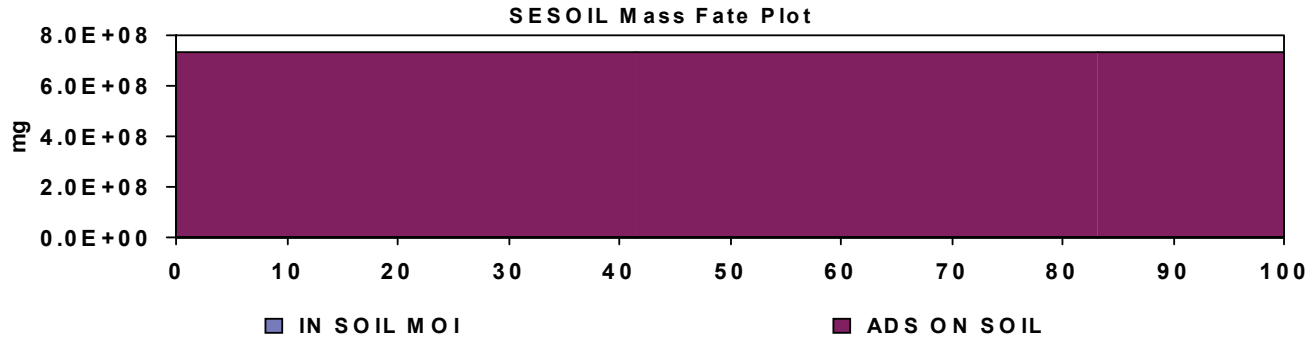
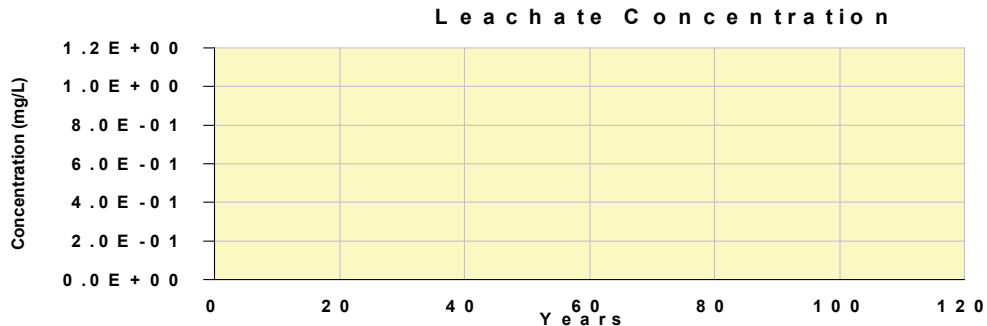
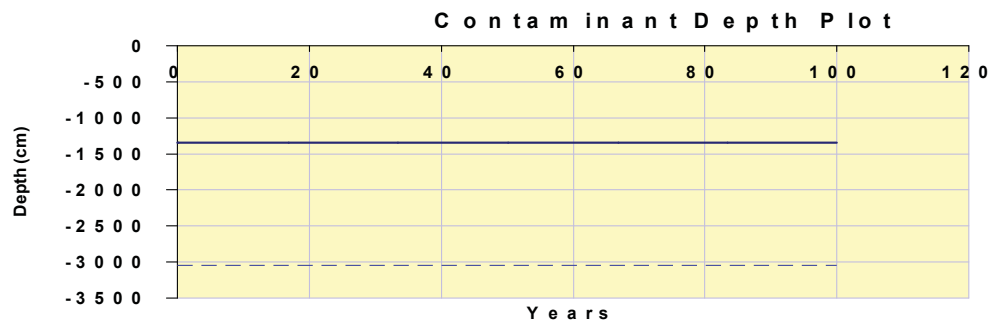
C:\SEV7 WIN7\S01.APL

Time to Groundwater: years

Starting Depth: 1345.00 cm

Ending Depth: 1345.00 cm

Total Depth: 3047.00 cm



SESOIL Pollutant Cycle Report

Scenario Description: 777NFS

SESOIL Output File: C:\SEV7 WIN7\S01.OUT

SESOIL Process	Pollutant Mass (µg)	Percent of Total
Volatilized	0.000E+00	0.00
In Soil Air	0.000E+00	0.00
Sur. Runoff	0.000E+00	0.00
In Washld	0.000E+00	0.00
Ads On Soil	7.246E+08	98.77
Hydrol Soil	0.000E+00	0.00
Degrad Soil	0.000E+00	0.00
Pure Phase	0.000E+00	0.00
Complexed	0.000E+00	0.00
Immobile CEC	0.000E+00	0.00
Hydrol CEC	0.000E+00	0.00
In Soil Moi	2.610E+06	0.36
Hydrol Mois	0.000E+00	0.00
Degrad Mois	0.000E+00	0.00
Other Trans	0.000E+00	0.00
Other Sinks	0.000E+00	0.00
Gwr. Runoff	0.000E+00	0.00
Total Output	7.272E+08	99.13
Total Input	7.337E+08	
Input - Output	6.407E+06	

Maximum leachate concentration: 0.000E+00 mg/l

Climate File: LOS ANGELES, CIVIC CENTER

C:\SEV7 WIN7\CALC_EP_100PRECIP.CLM

Chemical File: Chromium VI (particulates) (Kd)

c:\sev7 win7\CHROMIUM VI (PARTICULATES) (KD).CHM

Soil File: Depth weighted soil

C:\SEV7 WIN7\DEPTH_AVG_SOIL.SOI

Application File: SEVIEW Default Application Parameters

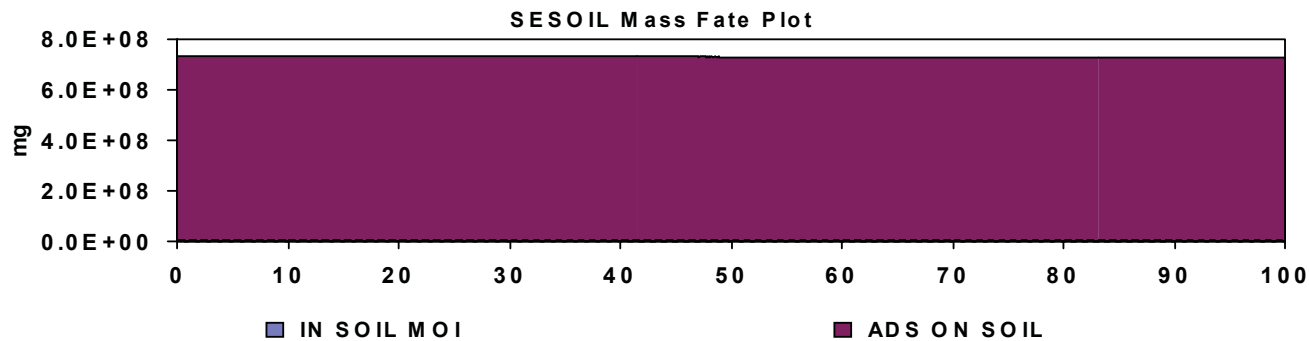
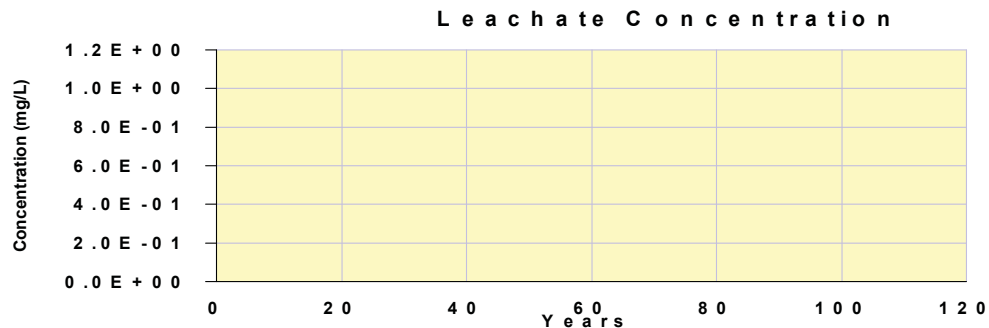
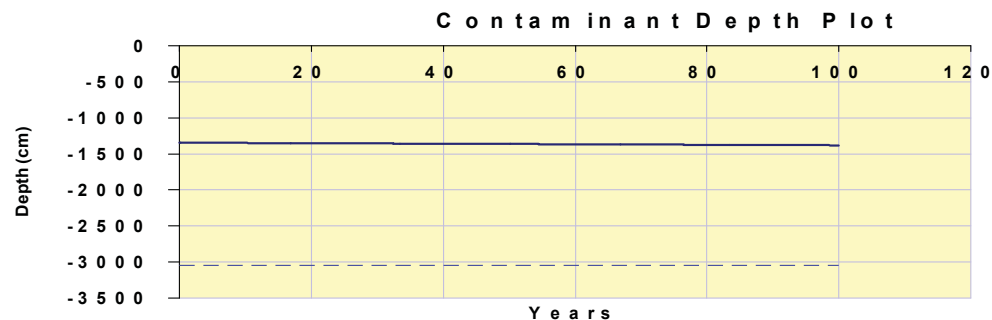
C:\SEV7 WIN7\S01.APL

Time to Groundwater: 4727.78 years

Starting Depth: 1345.00 cm

Ending Depth: 1381.00 cm

Total Depth: 3047.00 cm



SESOIL Pollutant Cycle Report

Scenario Description: 777NFS

SESOIL Output File: C:\SEV7 WIN7\S01.OUT

SESOIL Process	Pollutant Mass (µg)	Percent of Total
Volatilized	4.433E+08	87.55
In Soil Air	9.154E+06	1.81
Sur. Runoff	0.000E+00	0.00
In Washld	0.000E+00	0.00
Ads On Soil	2.042E+06	0.40
Hydrol Soil	0.000E+00	0.00
Degrad Soil	0.000E+00	0.00
Pure Phase	0.000E+00	0.00
Complexed	0.000E+00	0.00
Immobile CEC	0.000E+00	0.00
Hydrol CEC	0.000E+00	0.00
In Soil Moi	9.149E+06	1.81
Hydrol Mois	0.000E+00	0.00
Degrad Mois	0.000E+00	0.00
Other Trans	0.000E+00	0.00
Other Sinks	0.000E+00	0.00
Gwr. Runoff	4.177E+07	8.25
Total Output	5.054E+08	99.81
Total Input	5.064E+08	
Input - Output	9.391E+05	

Maximum leachate concentration: 6.544E+01 mg/l

Climate File: LOS ANGELES, CIVIC CENTER

C:\SEV7 WIN7\CALC_EP_100PRECIP.CLM

Chemical File: PCE (Tetrachloroethene) OEPA 2003

c:\sev7 win7\PCE (TETRACHLOROETHENE) OEPA 2003.CHM

Soil File: Depth weighted soil

C:\SEV7 WIN7\DEPTH_AVG_SOIL.SOI

Application File: SEVIEW Default Application Parameters

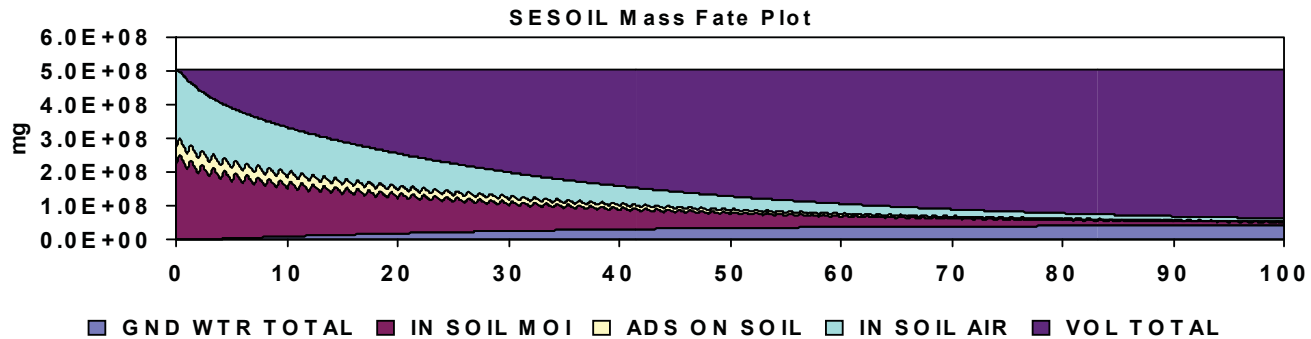
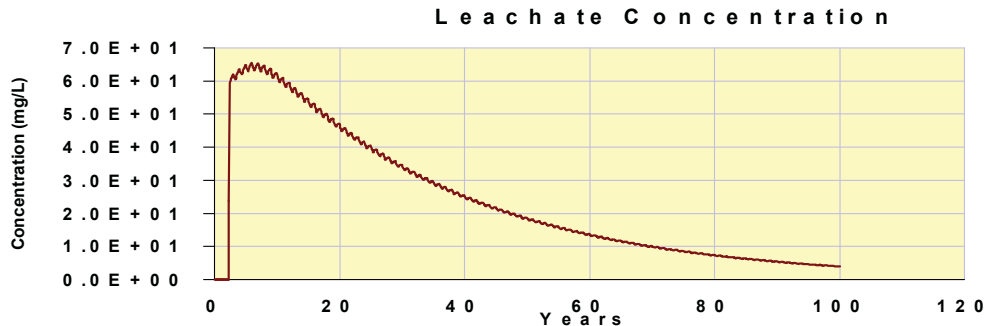
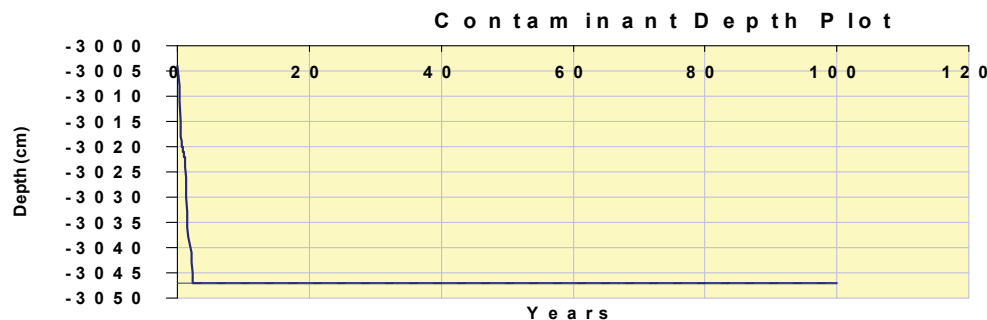
C:\SEV7 WIN7\S01.APL

Time to Groundwater: 2.08 years

Starting Depth: 3004.00 cm

Ending Depth: 3047.00 cm

Total Depth: 3047.00 cm



SESOIL Pollutant Cycle Report

Scenario Description: 777NFS

SESOIL Output File: C:\SEV7 WIN7\S01.OUT

SESOIL Process	Pollutant Mass (µg)	Percent of Total
Volatilized	1.500E+05	64.89
In Soil Air	6.916E+03	2.99
Sur. Runoff	0.000E+00	0.00
In Washld	0.000E+00	0.00
Ads On Soil	2.445E+03	1.06
Hydrol Soil	0.000E+00	0.00
Degrad Soil	0.000E+00	0.00
Pure Phase	0.000E+00	0.00
Complexed	0.000E+00	0.00
Immobile CEC	0.000E+00	0.00
Hydrol CEC	0.000E+00	0.00
In Soil Moi	3.595E+04	15.55
Hydrol Mois	0.000E+00	0.00
Degrad Mois	0.000E+00	0.00
Other Trans	0.000E+00	0.00
Other Sinks	0.000E+00	0.00
Gwr. Runoff	3.535E+04	15.29
Total Output	2.307E+05	99.79
Total Input	2.312E+05	
Input - Output	4.868E+02	

Maximum leachate concentration: 3.915E-02 mg/l

Climate File: LOS ANGELES, CIVIC CENTER

C:\SEV7 WIN7\CALC_EP_100PRECIP.CLM

Chemical File: Dichloropropene, 1,3-

c:\sev7 win7\DICHLOROPROPENE 1 3-.CHM

Soil File: Depth weighted soil

C:\SEV7 WIN7\DEPTH_AVG_SOIL.SOI

Application File: SEVIEW Default Application Parameters

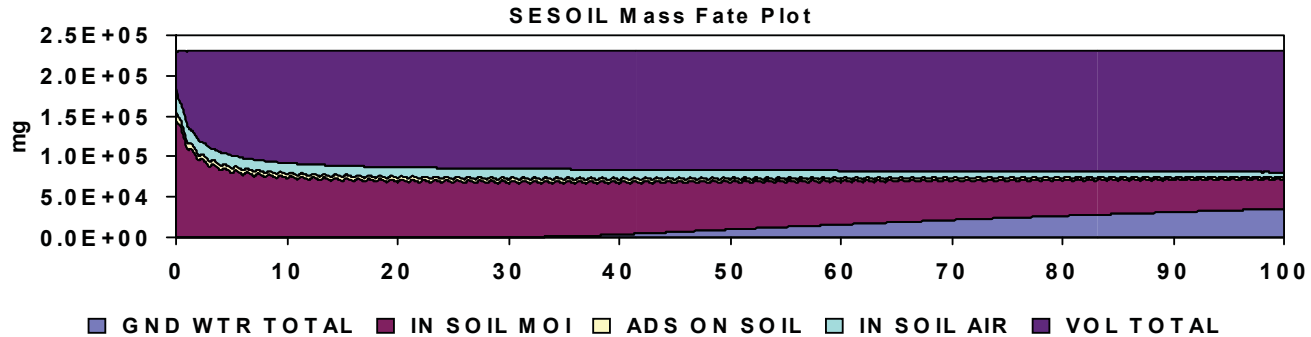
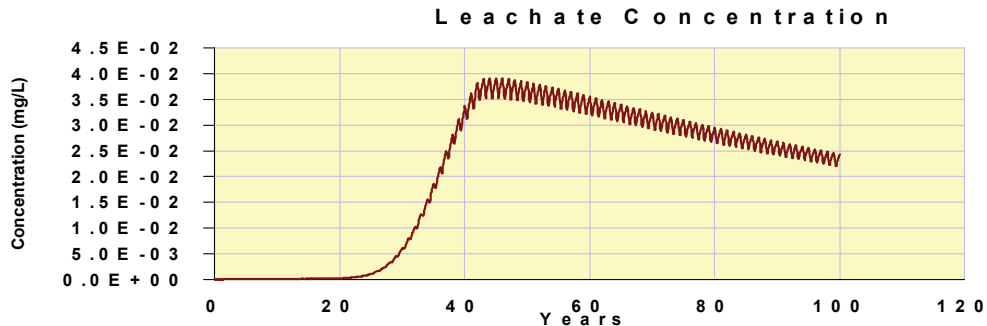
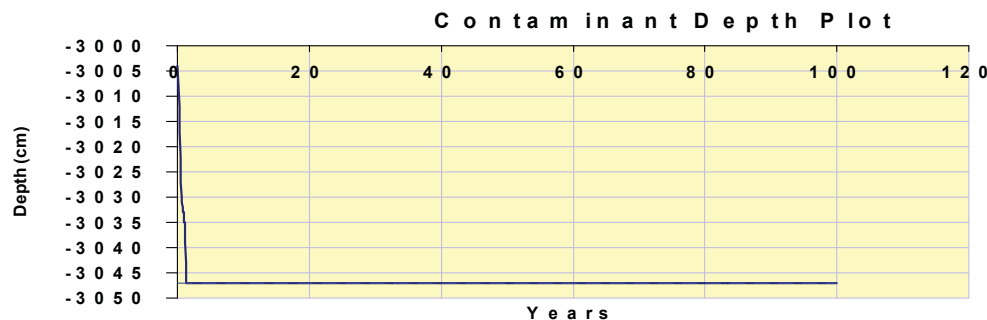
C:\SEV7 WIN7\S01.APL

Time to Groundwater: 1.08 years

Starting Depth: 3004.00 cm

Ending Depth: 3047.00 cm

Total Depth: 3047.00 cm



SESOIL Pollutant Cycle Report

Scenario Description: 777NFS

SESOIL Output File: C:\SEV7 WIN7\S01.OUT

SESOIL Process	Pollutant Mass (µg)	Percent of Total
Volatilized	2.174E+06	93.68
In Soil Air	1.972E+04	0.85
Sur. Runoff	0.000E+00	0.00
In Washld	0.000E+00	0.00
Ads On Soil	4.337E+03	0.19
Hydrol Soil	0.000E+00	0.00
Degrad Soil	0.000E+00	0.00
Pure Phase	0.000E+00	0.00
Complexed	0.000E+00	0.00
Immobile CEC	0.000E+00	0.00
Hydrol CEC	0.000E+00	0.00
In Soil Moi	3.101E+04	1.34
Hydrol Mois	0.000E+00	0.00
Degrad Mois	0.000E+00	0.00
Other Trans	0.000E+00	0.00
Other Sinks	0.000E+00	0.00
Gwr. Runoff	8.967E+04	3.86
Total Output	2.318E+06	99.91
Total Input	2.321E+06	
Input - Output	2.042E+03	

Maximum leachate concentration: 1.098E-01 mg/l

Climate File: LOS ANGELES, CIVIC CENTER

C:\SEV7 WIN7\CALC_EP_100PRECIP.CLM

Chemical File: Trichloroethylene (TCE)

c:\sev7 win7\TRICHLOROETHYLENE (TCE).CHM

Soil File: Depth weighted soil

C:\SEV7 WIN7\DEPTH_AVG_SOIL.SOI

Application File: SEVIEW Default Application Parameters

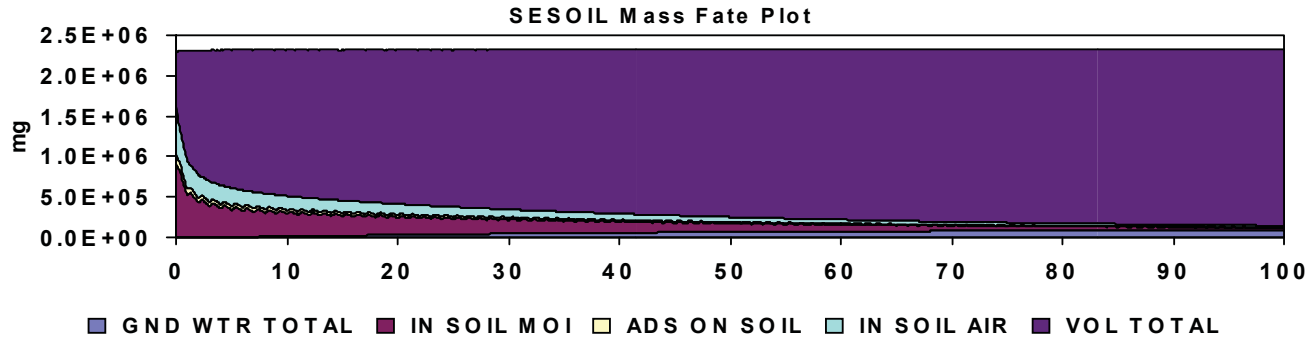
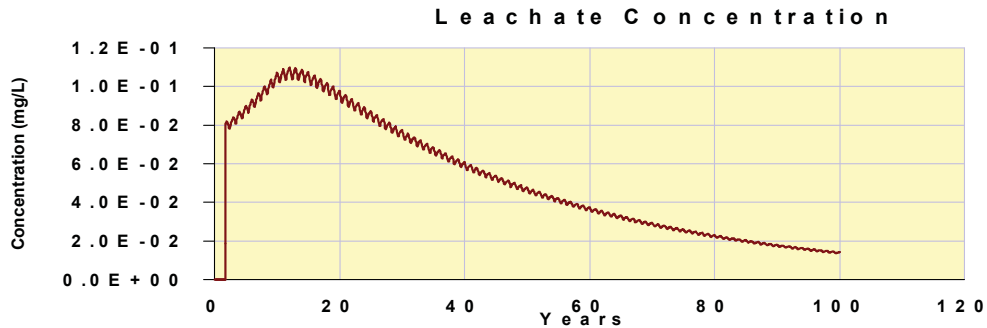
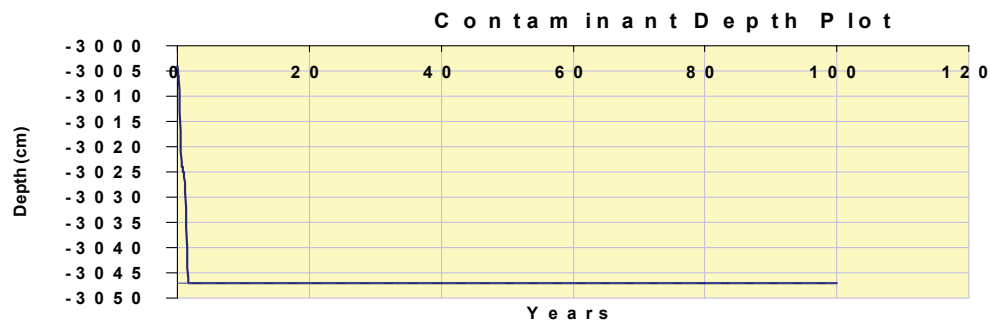
C:\SEV7 WIN7\S01.APL

Time to Groundwater: 1.08 years

Starting Depth: 3004.00 cm

Ending Depth: 3047.00 cm

Total Depth: 3047.00 cm



SESOIL Pollutant Cycle Report

Scenario Description: 777NFS

SESOIL Output File: C:\SEV7 WIN7\S01.OUT

SESOIL Process	Pollutant Mass (µg)	Percent of Total
Volatilized	1.911E+05	100.01
In Soil Air	4.182E+00	0.00
Sur. Runoff	0.000E+00	0.00
In Washld	0.000E+00	0.00
Ads On Soil	5.380E-02	0.00
Hydrol Soil	0.000E+00	0.00
Degrad Soil	0.000E+00	0.00
Pure Phase	0.000E+00	0.00
Complexed	0.000E+00	0.00
Immobile CEC	0.000E+00	0.00
Hydrol CEC	0.000E+00	0.00
In Soil Moi	3.432E+00	0.00
Hydrol Mois	0.000E+00	0.00
Degrad Mois	0.000E+00	0.00
Other Trans	0.000E+00	0.00
Other Sinks	0.000E+00	0.00
Gwr. Runoff	9.264E+00	0.00
Total Output	1.911E+05	100.02
Total Input	1.911E+05	
Input - Output	-3.044E+01	

Maximum leachate concentration: 1.584E-05 mg/l

Climate File: LOS ANGELES, CIVIC CENTER

C:\SEV7 WIN7\CALC_EP_100PRECIP.CLM

Chemical File: Vinyl Chloride

c:\sev7 win7\VINYL CHLORIDE.CHM

Soil File: Depth weighted soil

C:\SEV7 WIN7\DEPTH_AVG_SOIL.SOI

Application File: SEVIEW Default Application Parameters

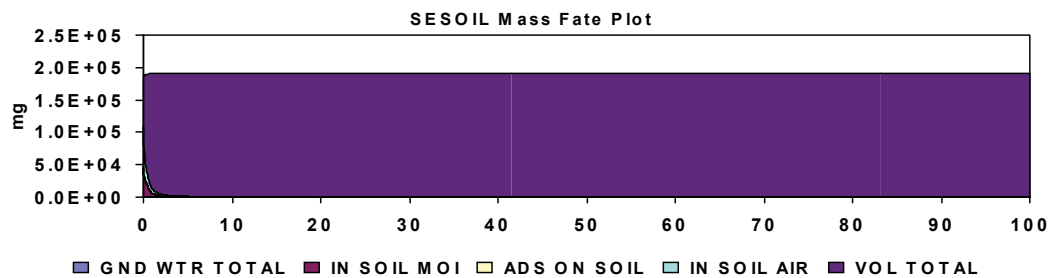
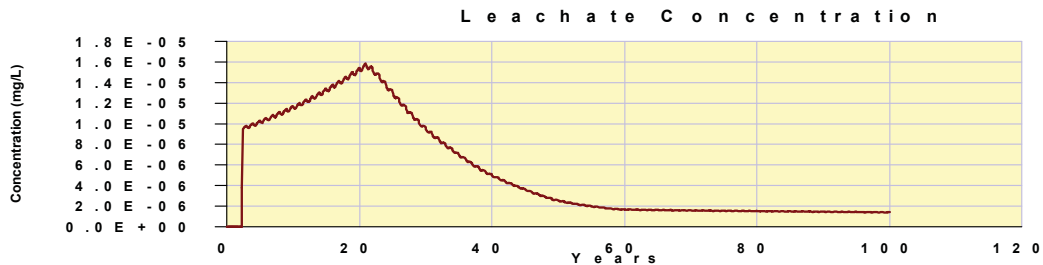
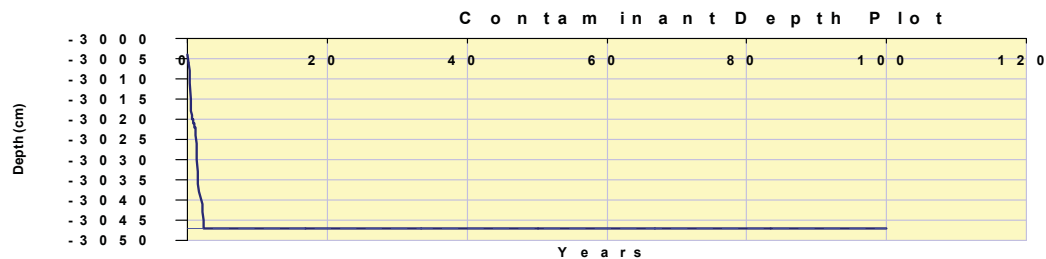
C:\SEV7 WIN7\S01.APL

Time to Groundwater: 2.08 years

Starting Depth: 3004.00 cm

Ending Depth: 3047.00 cm

Total Depth: 3047.00 cm



Sensitivity Analysis
Scenario 1
Tetrachloroethene

Base Model

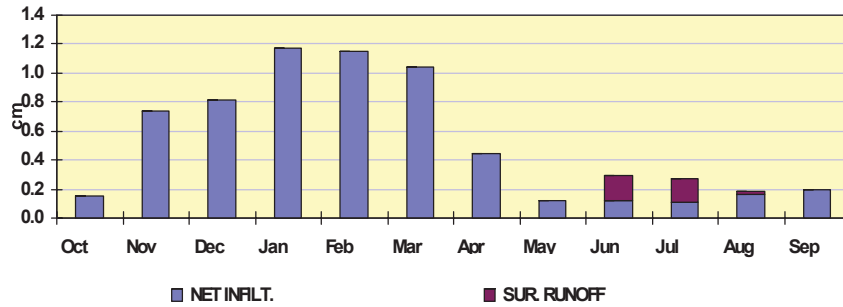
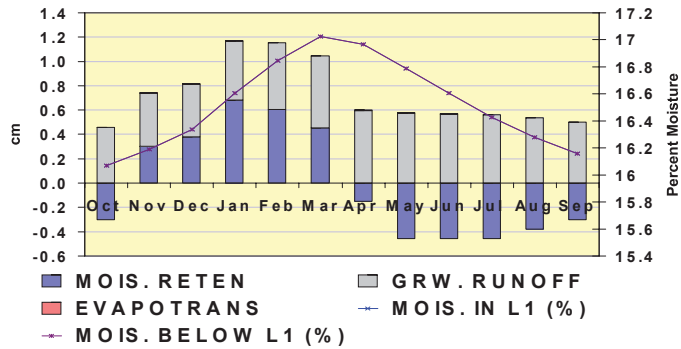
Intrinsic Permeability = $1.0e-10 \text{ cm}^2$

Soil Disconnectedness Value = 6.5

SESOIL Hydrologic Cycle Report

Scenario Description: 777NFS

SESOIL Output File: C:\SEV7 WIN7\S01.OUT



	Surface Water Runoff		Net Infiltration		Evapotranspiration		Soil Moisture Retention		Groundwater Runoff (Recharge)		Soil Moisture	
	cm	Inches	cm	Inches	cm	Inches	cm	Inches	cm	Inches	Layer 1 Percent	Below Layer 1 Percent
October	0.00	0.00	0.16	0.06	0.00	0.00	-0.30	-0.12	0.46	0.18	16.07	16.07
November	0.00	0.00	0.74	0.29	0.00	0.00	0.30	0.12	0.44	0.17	16.19	16.19
December	0.00	0.00	0.82	0.32	0.00	0.00	0.38	0.15	0.43	0.17	16.34	16.34
January	0.00	0.00	1.17	0.46	0.00	0.00	0.68	0.27	0.48	0.19	16.61	16.61
February	0.00	0.00	1.16	0.46	0.00	0.00	0.61	0.24	0.55	0.22	16.85	16.85
March	0.00	0.00	1.05	0.41	0.00	0.00	0.46	0.18	0.59	0.23	17.03	17.03
April	0.00	0.00	0.45	0.18	0.00	0.00	-0.15	-0.06	0.60	0.24	16.97	16.97
May	0.00	0.00	0.12	0.05	0.00	0.00	-0.46	-0.18	0.58	0.23	16.79	16.79
June	0.18	0.07	0.11	0.04	0.00	0.00	-0.46	-0.18	0.57	0.22	16.61	16.61
July	0.17	0.07	0.11	0.04	0.00	0.00	-0.46	-0.18	0.56	0.22	16.43	16.43
August	0.02	0.01	0.16	0.06	0.00	0.00	-0.38	-0.15	0.53	0.21	16.28	16.28
September	0.00	0.00	0.20	0.08	0.00	0.00	-0.30	-0.12	0.50	0.20	16.16	16.16
Total	0.37	0.15	6.24	2.46	0.04	0.01	-0.08	-0.03	6.28	2.47	--	--

SESOIL Pollutant Cycle Report

Scenario Description: 777NFS

SESOIL Output File: C:\SEV7 WIN7\S01.OUT

SESOIL Process	Pollutant Mass (µg)	Percent of Total
Volatilized	3.337E+08	64.70
In Soil Air	9.428E+06	1.83
Sur. Runoff	0.000E+00	0.00
In Washld	0.000E+00	0.00
Ads On Soil	2.617E+06	0.51
Hydrol Soil	0.000E+00	0.00
Degrad Soil	0.000E+00	0.00
Pure Phase	0.000E+00	0.00
Complexed	0.000E+00	0.00
Immobile CEC	0.000E+00	0.00
Hydrol CEC	0.000E+00	0.00
In Soil Moi	1.479E+07	2.87
Hydrol Mois	0.000E+00	0.00
Degrad Mois	0.000E+00	0.00
Other Trans	0.000E+00	0.00
Other Sinks	0.000E+00	0.00
Gwr. Runoff	1.542E+08	29.91
Total Output	5.148E+08	99.82
Total Input	5.158E+08	
Input - Output	9.216E+05	

Maximum leachate concentration: 5.945E+01 mg/l

Climate File: LOS ANGELES, CIVIC CENTER

C:\SEV7 WIN7\SET_ET_15PRECIP.CLM

Chemical File: PCE (Tetrachloroethene) OEPA 2003

c:\sev7 win7\PCE (TETRACHLOROETHENE) OEPA 2003.CHM

Soil File: Depth weighted soil

C:\SEV7 WIN7\DEPTH_AVG_SOIL.SOI

Application File: SEVIEW Default Application Parameters

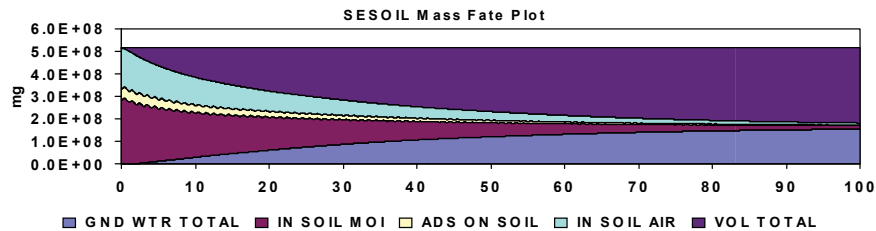
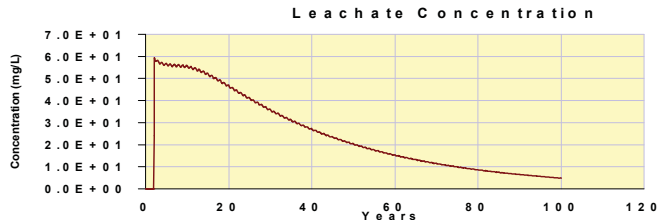
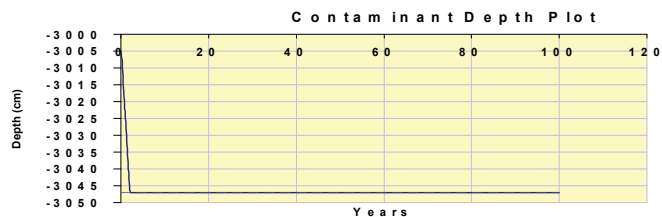
C:\SEV7 WIN7\S01.APL

Time to Groundwater: 2.08 years

Starting Depth: 3005.00 cm

Ending Depth: 3047.00 cm

Total Depth: 3047.00 cm



Intrinsic Permeability

$1.0e-11 \text{ cm}^2$

$5.0e-11 \text{ cm}^2$

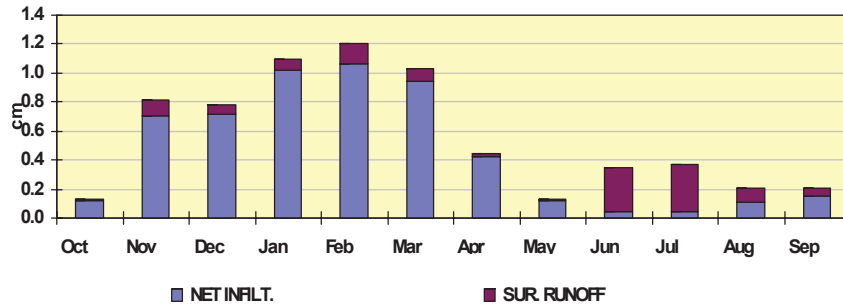
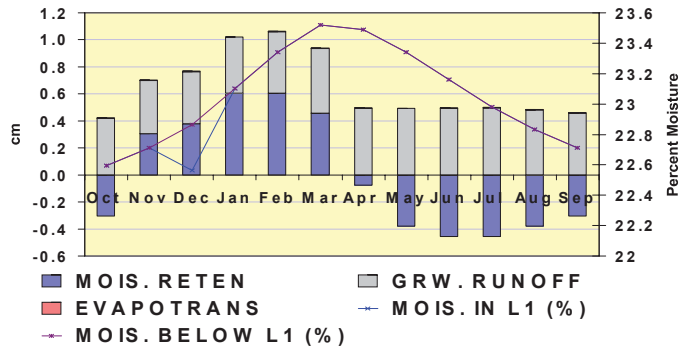
$5.0e-10 \text{ cm}^2$

$1.0e-9 \text{ cm}^2$

SESOIL Hydrologic Cycle Report

Scenario Description: 777NFS

SESOIL Output File: C:\SEV7 WIN7\S01.OUT



	Surface Water Runoff		Net Infiltration		Evapotranspiration		Soil Moisture Retention		Groundwater Runoff (Recharge)		Soil Moisture	
	cm	Inches	cm	Inches	cm	Inches	cm	Inches	cm	Inches	Layer 1 Percent	Below Layer 1 Percent
October	0.01	0.00	0.12	0.05	0.00	0.00	-0.30	-0.12	0.42	0.17	22.59	22.59
November	0.11	0.04	0.70	0.28	0.00	0.00	0.30	0.12	0.39	0.15	22.71	22.71
December	0.07	0.03	0.71	0.28	0.00	0.00	0.38	0.15	0.39	0.15	22.56	22.86
January	0.08	0.03	1.02	0.40	0.00	0.00	0.61	0.24	0.41	0.16	23.10	23.10
February	0.14	0.06	1.06	0.42	0.00	0.00	0.61	0.24	0.45	0.18	23.34	23.34
March	0.09	0.04	0.94	0.37	0.00	0.00	0.46	0.18	0.48	0.19	23.52	23.52
April	0.02	0.01	0.42	0.17	0.00	0.00	-0.08	-0.03	0.49	0.19	23.49	23.49
May	0.02	0.01	0.11	0.04	0.00	0.00	-0.38	-0.15	0.49	0.19	23.34	23.34
June	0.31	0.12	0.04	0.02	0.00	0.00	-0.46	-0.18	0.49	0.19	23.16	23.16
July	0.32	0.13	0.05	0.02	0.00	0.00	-0.46	-0.18	0.50	0.20	22.98	22.98
August	0.10	0.04	0.11	0.04	0.00	0.00	-0.38	-0.15	0.48	0.19	22.83	22.83
September	0.05	0.02	0.16	0.06	0.00	0.00	-0.30	-0.12	0.46	0.18	22.71	22.71
Total	1.31	0.52	5.44	2.14	0.04	0.01	0.00	0.00	5.46	2.15	--	--

SESOIL Pollutant Cycle Report

Scenario Description: 777NFS

SESOIL Output File: C:\SEV7 WIN7\S01.OUT

SESOIL Process	Pollutant Mass (µg)	Percent of Total
Volatilized	4.248E+07	8.24
In Soil Air	3.404E+07	6.60
Sur. Runoff	0.000E+00	0.00
In Washld	0.000E+00	0.00
Ads On Soil	1.807E+07	3.50
Hydrol Soil	0.000E+00	0.00
Degrad Soil	0.000E+00	0.00
Pure Phase	0.000E+00	0.00
Complexed	0.000E+00	0.00
Immobile CEC	0.000E+00	0.00
Hydrol CEC	0.000E+00	0.00
In Soil Moi	1.436E+08	27.84
Hydrol Mois	0.000E+00	0.00
Degrad Mois	0.000E+00	0.00
Other Trans	0.000E+00	0.00
Other Sinks	0.000E+00	0.00
Gwr. Runoff	2.760E+08	53.53
Total Output	5.142E+08	99.71
Total Input	5.158E+08	
Input - Output	1.504E+06	

Maximum leachate concentration: 6.449E+01 mg/l

Climate File: LOS ANGELES, CIVIC CENTER

C:\SEV7 WIN7\SET_ET_15PRECIP.CLM

Chemical File: PCE (Tetrachloroethene) OEPA 2003

c:\sev7 win7\PCE (TETRACHLOROETHENE) OEPA 2003.CHM

Soil File: Depth weighted soil

C:\SEV7 WIN7\DEPTH_AVG_SOIL.SOI

Application File: SEVIEW Default Application Parameters

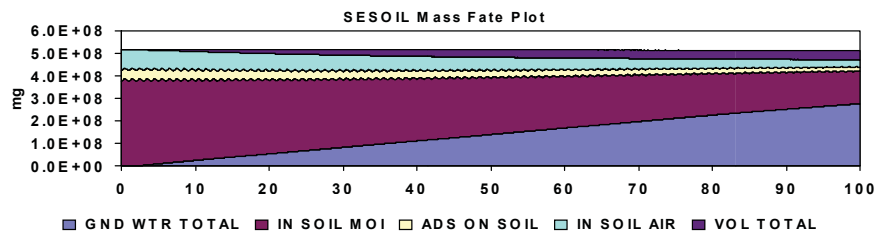
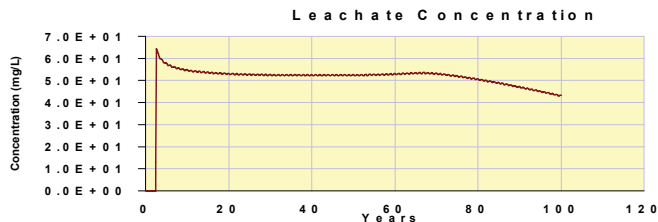
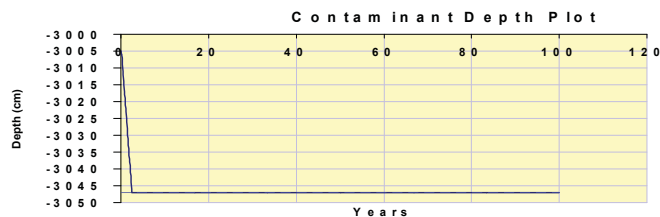
C:\SEV7 WIN7\S01.APL

Time to Groundwater: 2.08 years

Starting Depth: 3005.00 cm

Ending Depth: 3047.00 cm

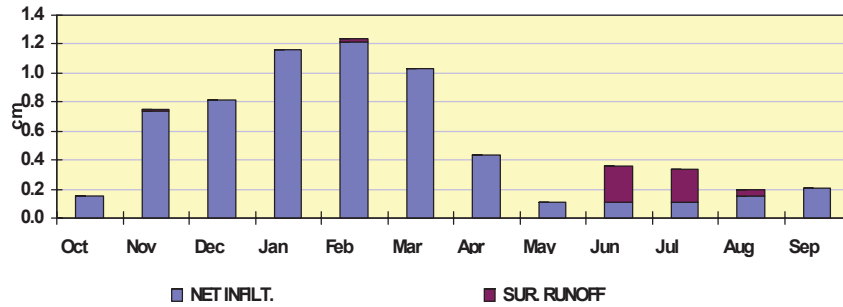
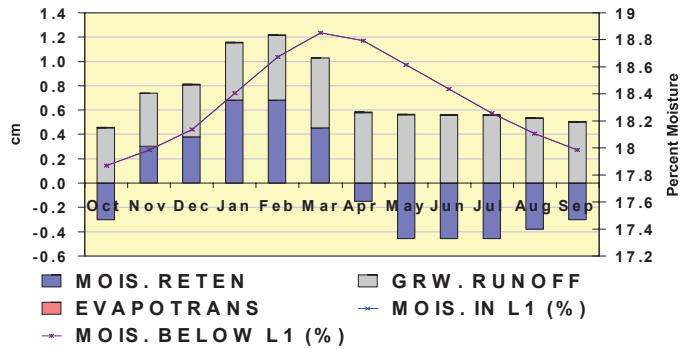
Total Depth: 3047.00 cm



SESOIL Hydrologic Cycle Report

Scenario Description: 777NFS

SESOIL Output File: C:\SEV7 WIN7\S01.OUT



	Surface Water Runoff		Net Infiltration		Evapotranspiration		Soil Moisture Retention		Groundwater Runoff (Recharge)		Soil Moisture	
	cm	Inches	cm	Inches	cm	Inches	cm	Inches	cm	Inches	Layer 1 Percent	Below Layer 1 Percent
October	0.00	0.00	0.16	0.06	0.00	0.00	-0.30	-0.12	0.46	0.18	17.87	17.87
November	0.01	0.00	0.74	0.29	0.00	0.00	0.30	0.12	0.43	0.17	17.99	17.99
December	0.00	0.00	0.81	0.32	0.00	0.00	0.38	0.15	0.43	0.17	18.14	18.14
January	0.00	0.00	1.16	0.46	0.00	0.00	0.68	0.27	0.47	0.19	18.41	18.41
February	0.02	0.01	1.22	0.48	0.00	0.00	0.68	0.27	0.53	0.21	18.67	18.67
March	0.00	0.00	1.03	0.41	0.00	0.00	0.46	0.18	0.57	0.22	18.85	18.85
April	0.00	0.00	0.43	0.17	0.00	0.00	-0.15	-0.06	0.58	0.23	18.79	18.79
May	0.00	0.00	0.11	0.04	0.00	0.00	-0.46	-0.18	0.56	0.22	18.61	18.61
June	0.25	0.10	0.11	0.04	0.00	0.00	-0.46	-0.18	0.56	0.22	18.44	18.44
July	0.23	0.09	0.10	0.04	0.00	0.00	-0.46	-0.18	0.56	0.22	18.26	18.26
August	0.04	0.02	0.16	0.06	0.00	0.00	-0.38	-0.15	0.53	0.21	18.11	18.11
September	0.00	0.00	0.20	0.08	0.00	0.00	-0.30	-0.12	0.50	0.20	17.99	17.99
Total	0.55	0.22	6.22	2.45	0.04	0.01	0.00	0.00	6.18	2.43	--	--

SESOIL Pollutant Cycle Report

Scenario Description: 777NFS

SESOIL Output File: C:\SEV7 WIN7\S01.OUT

SESOIL Process	Pollutant Mass (µg)	Percent of Total
Volatilized	2.532E+08	49.09
In Soil Air	1.821E+07	3.53
Sur. Runoff	0.000E+00	0.00
In Washld	0.000E+00	0.00
Ads On Soil	5.833E+06	1.13
Hydrol Soil	0.000E+00	0.00
Degrad Soil	0.000E+00	0.00
Pure Phase	0.000E+00	0.00
Complexed	0.000E+00	0.00
Immobile CEC	0.000E+00	0.00
Hydrol CEC	0.000E+00	0.00
In Soil Moi	3.670E+07	7.12
Hydrol Mois	0.000E+00	0.00
Degrad Mois	0.000E+00	0.00
Other Trans	0.000E+00	0.00
Other Sinks	0.000E+00	0.00
Gwr. Runoff	2.006E+08	38.89
Total Output	5.145E+08	99.76
Total Input	5.158E+08	
Input - Output	1.241E+06	

Maximum leachate concentration: 5.969E+01 mg/l

Climate File: LOS ANGELES, CIVIC CENTER

C:\SEV7 WIN7\SET_ET_15PRECIP.CLM

Chemical File: PCE (Tetrachloroethene) OEPA 2003

c:\sev7 win7\PCE (TETRACHLOROETHENE) OEPA 2003.CHM

Soil File: Depth weighted soil

C:\SEV7 WIN7\DEPTH_AVG_SOIL.SOI

Application File: SEVIEW Default Application Parameters

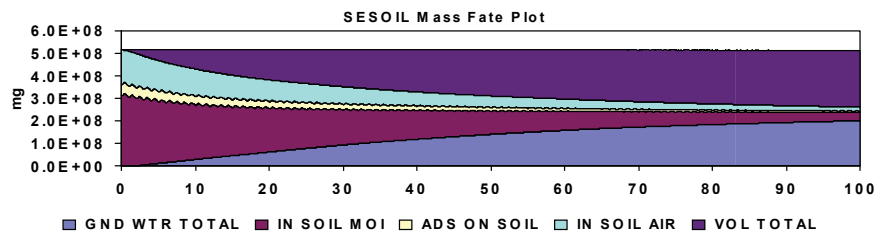
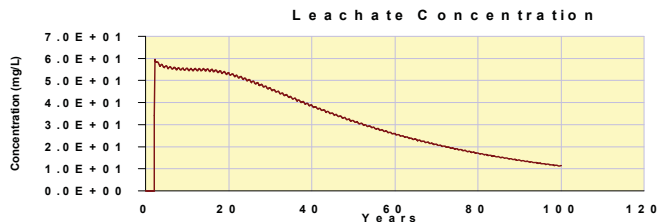
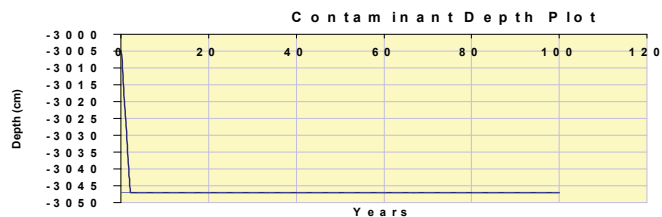
C:\SEV7 WIN7\S01.APL

Time to Groundwater: 2.08 years

Starting Depth: 3005.00 cm

Ending Depth: 3047.00 cm

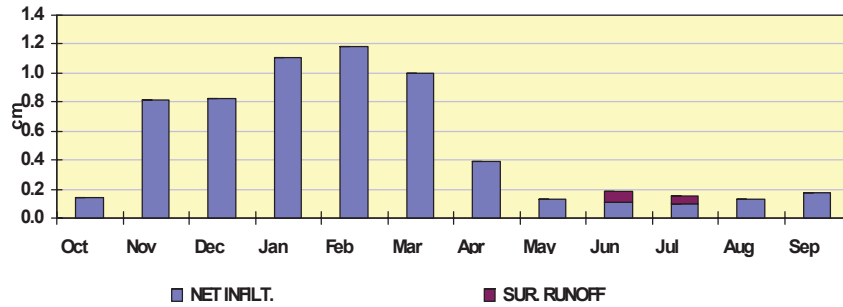
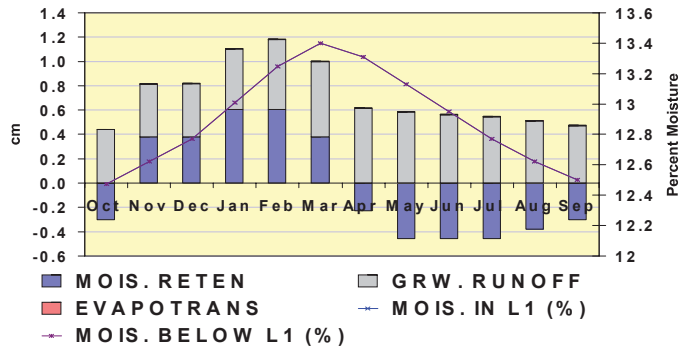
Total Depth: 3047.00 cm



SESOIL Hydrologic Cycle Report

Scenario Description: 777NFS

SESOIL Output File: C:\SEV7 WIN7\S01.OUT



	Surface Water Runoff		Net Infiltration		Evapotranspiration		Soil Moisture Retention		Groundwater Runoff (Recharge)		Soil Moisture	
	cm	Inches	cm	Inches	cm	Inches	cm	Inches	cm	Inches	Layer 1 Percent	Below Layer 1 Percent
October	0.00	0.00	0.14	0.06	0.00	0.00	-0.30	-0.12	0.44	0.17	12.47	12.47
November	0.00	0.00	0.82	0.32	0.00	0.00	0.38	0.15	0.43	0.17	12.62	12.62
December	0.00	0.00	0.82	0.32	0.00	0.00	0.38	0.15	0.44	0.17	12.77	12.77
January	0.00	0.00	1.11	0.44	0.00	0.00	0.61	0.24	0.50	0.20	13.01	13.01
February	0.00	0.00	1.18	0.46	0.00	0.00	0.61	0.24	0.57	0.22	13.25	13.25
March	0.00	0.00	1.00	0.39	0.00	0.00	0.38	0.15	0.62	0.24	13.40	13.40
April	0.00	0.00	0.39	0.15	0.00	0.00	-0.23	-0.09	0.62	0.24	13.31	13.31
May	0.00	0.00	0.13	0.05	0.00	0.00	-0.46	-0.18	0.58	0.23	13.13	13.13
June	0.08	0.03	0.11	0.04	0.00	0.00	-0.46	-0.18	0.56	0.22	12.95	12.95
July	0.06	0.02	0.09	0.04	0.00	0.00	-0.46	-0.18	0.55	0.22	12.77	12.77
August	0.00	0.00	0.13	0.05	0.00	0.00	-0.38	-0.15	0.51	0.20	12.62	12.62
September	0.00	0.00	0.17	0.07	0.00	0.00	-0.30	-0.12	0.47	0.19	12.50	12.50
Total	0.14	0.05	6.09	2.40	0.04	0.01	-0.23	-0.09	6.29	2.48	--	--

SESOIL Pollutant Cycle Report

Scenario Description: 777NFS

SESOIL Output File: C:\SEV7 WIN7\S01.OUT

SESOIL Process	Pollutant Mass (µg)	Percent of Total
Volatilized	4.321E+08	83.79
In Soil Air	8.731E+05	0.17
Sur. Runoff	0.000E+00	0.00
In Washld	0.000E+00	0.00
Ads On Soil	1.914E+05	0.04
Hydrol Soil	0.000E+00	0.00
Degrad Soil	0.000E+00	0.00
Pure Phase	0.000E+00	0.00
Complexed	0.000E+00	0.00
Immobile CEC	0.000E+00	0.00
Hydrol CEC	0.000E+00	0.00
In Soil Moi	8.372E+05	0.16
Hydrol Mois	0.000E+00	0.00
Degrad Mois	0.000E+00	0.00
Other Trans	0.000E+00	0.00
Other Sinks	0.000E+00	0.00
Gwr. Runoff	8.121E+07	15.75
Total Output	5.153E+08	99.91
Total Input	5.158E+08	
Input - Output	4.833E+05	

Maximum leachate concentration: 5.972E+01 mg/l

Climate File: LOS ANGELES, CIVIC CENTER

C:\SEV7 WIN7\SET_ET_15PRECIP.CLM

Chemical File: PCE (Tetrachloroethene) OEPA 2003

c:\sev7 win7\PCE (TETRACHLOROETHENE) OEPA 2003.CHM

Soil File: Depth weighted soil

C:\SEV7 WIN7\DEPTH_AVG_SOIL.SOI

Application File: SEVIEW Default Application Parameters

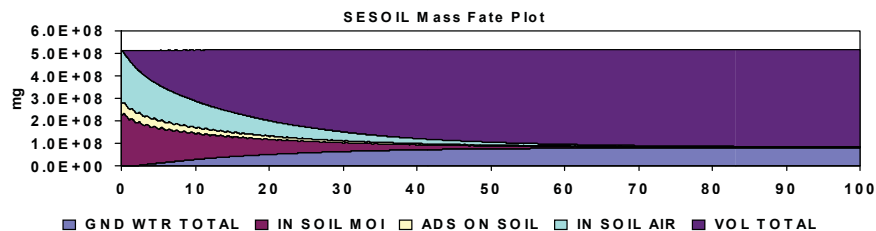
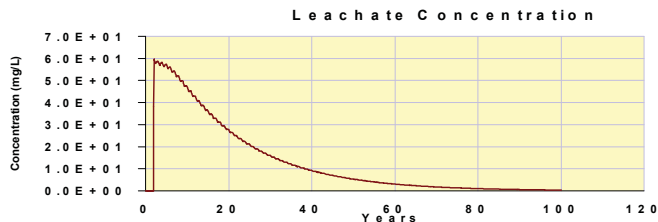
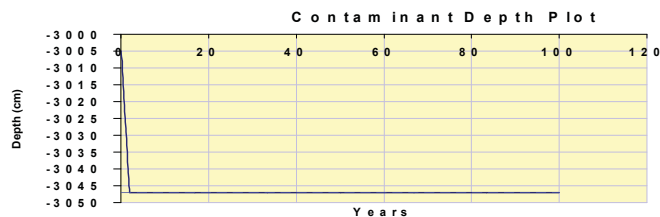
C:\SEV7 WIN7\S01.APL

Time to Groundwater: 1.08 years

Starting Depth: 3005.00 cm

Ending Depth: 3047.00 cm

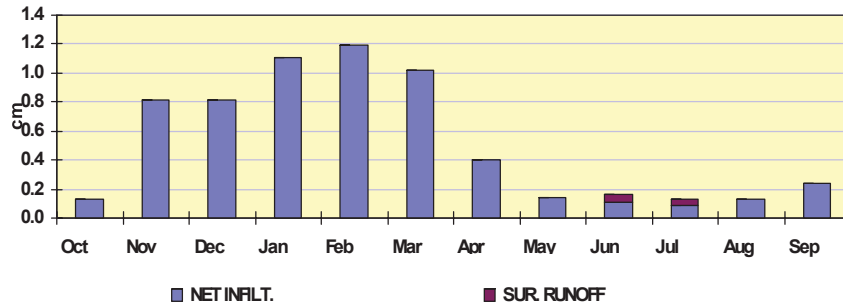
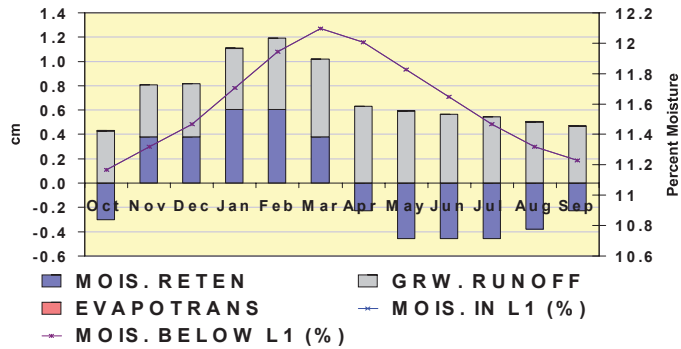
Total Depth: 3047.00 cm



SESOIL Hydrologic Cycle Report

Scenario Description: 777NFS

SESOIL Output File: C:\SEV7 WIN7\S01.OUT



	Surface Water Runoff		Net Infiltration		Evapotranspiration		Soil Moisture Retention		Groundwater Runoff (Recharge)		Soil Moisture	
	cm	Inches	cm	Inches	cm	Inches	cm	Inches	cm	Inches	Layer 1 Percent	Below Layer 1 Percent
Units	cm	Inches	cm	Inches	cm	Inches	cm	Inches	cm	Inches	Percent	Percent
October	0.00	0.00	0.13	0.05	0.00	0.00	-0.30	-0.12	0.43	0.17	11.17	11.17
November	0.00	0.00	0.81	0.32	0.00	0.00	0.38	0.15	0.43	0.17	11.32	11.32
December	0.00	0.00	0.82	0.32	0.00	0.00	0.38	0.15	0.44	0.17	11.47	11.47
January	0.00	0.00	1.11	0.44	0.00	0.00	0.61	0.24	0.50	0.20	11.71	11.71
February	0.00	0.00	1.19	0.47	0.00	0.00	0.61	0.24	0.58	0.23	11.95	11.95
March	0.00	0.00	1.02	0.40	0.00	0.00	0.38	0.15	0.64	0.25	12.10	12.10
April	0.00	0.00	0.41	0.16	0.00	0.00	-0.23	-0.09	0.63	0.25	12.01	12.01
May	0.00	0.00	0.14	0.06	0.00	0.00	-0.46	-0.18	0.59	0.23	11.83	11.83
June	0.05	0.02	0.11	0.04	0.00	0.00	-0.46	-0.18	0.57	0.22	11.65	11.65
July	0.04	0.02	0.09	0.04	0.00	0.00	-0.46	-0.18	0.54	0.21	11.47	11.47
August	0.00	0.00	0.13	0.05	0.00	0.00	-0.38	-0.15	0.50	0.20	11.32	11.32
September	0.00	0.00	0.24	0.09	0.00	0.00	-0.23	-0.09	0.47	0.19	11.23	11.23
Total	0.10	0.04	6.20	2.44	0.04	0.01	-0.15	-0.06	6.32	2.49	--	--

SESOIL Pollutant Cycle Report

Scenario Description: 777NFS

SESOIL Output File: C:\SEV7 WIN7\S01.OUT

SESOIL Process	Pollutant Mass (µg)	Percent of Total
Volatilized	4.505E+08	87.34
In Soil Air	2.408E+05	0.05
Sur. Runoff	0.000E+00	0.00
In Washld	0.000E+00	0.00
Ads On Soil	4.919E+04	0.01
Hydrol Soil	0.000E+00	0.00
Degrad Soil	0.000E+00	0.00
Pure Phase	0.000E+00	0.00
Complexed	0.000E+00	0.00
Immobile CEC	0.000E+00	0.00
Hydrol CEC	0.000E+00	0.00
In Soil Moi	1.932E+05	0.04
Hydrol Mois	0.000E+00	0.00
Degrad Mois	0.000E+00	0.00
Other Trans	0.000E+00	0.00
Other Sinks	0.000E+00	0.00
Gwr. Runoff	6.442E+07	12.49
Total Output	5.154E+08	99.93
Total Input	5.158E+08	
Input - Output	3.862E+05	

Maximum leachate concentration: 6.053E+01 mg/l

Climate File: LOS ANGELES, CIVIC CENTER

C:\SEV7 WIN7\SET_ET_15PRECIP.CLM

Chemical File: PCE (Tetrachloroethene) OEPA 2003

c:\sev7 win7\PCE (TETRACHLOROETHENE) OEPA 2003.CHM

Soil File: Depth weighted soil

C:\SEV7 WIN7\DEPTH_AVG_SOIL.SOI

Application File: SEVIEW Default Application Parameters

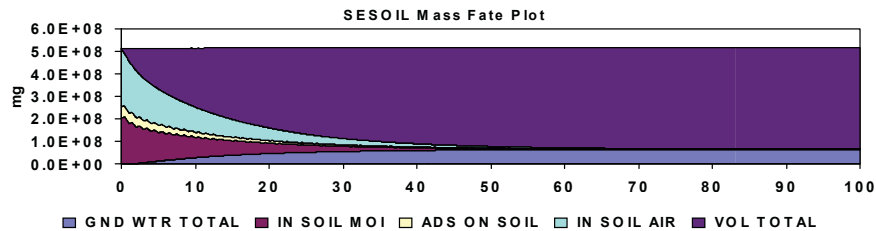
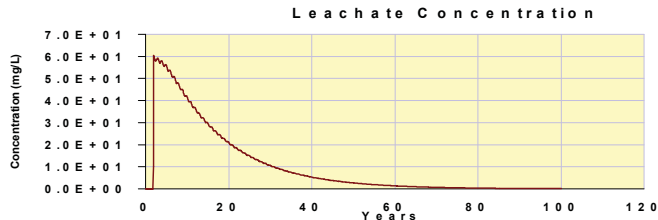
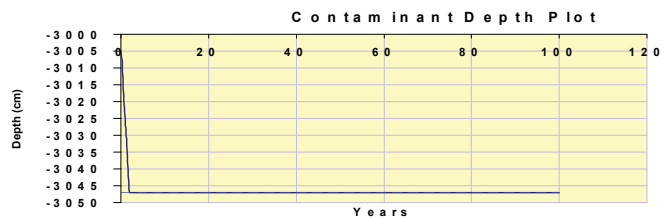
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Time to Groundwater: 1.08 years

Starting Depth: 3005.00 cm

Ending Depth: 3047.00 cm

Total Depth: 3047.00 cm



Soil Disconnectedness Value

5.5

6.0

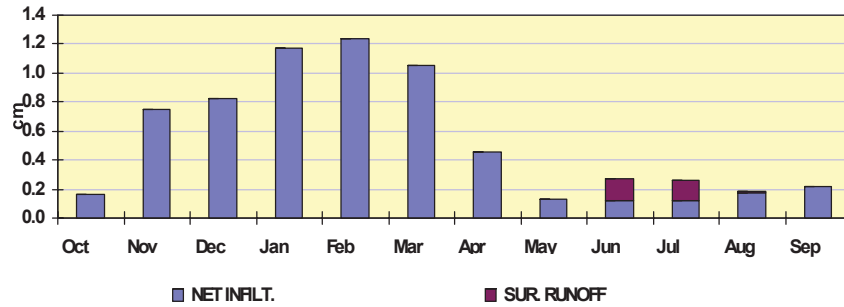
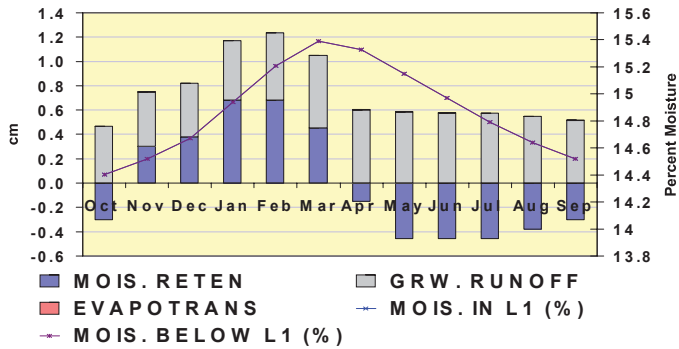
7.0

7.5

SESOIL Hydrologic Cycle Report

Scenario Description: 777NFS

SESOIL Output File: C:\SEV7 WIN7\S01.OUT



	Surface Water Runoff		Net Infiltration		Evapotranspiration		Soil Moisture Retention		Groundwater Runoff (Recharge)		Soil Moisture	
	cm	Inches	cm	Inches	cm	Inches	cm	Inches	cm	Inches	Layer 1 Percent	Below Layer 1 Percent
October	0.00	0.00	0.17	0.07	0.00	0.00	-0.30	-0.12	0.47	0.19	14.40	14.40
November	0.00	0.00	0.75	0.30	0.00	0.00	0.30	0.12	0.44	0.17	14.52	14.52
December	0.00	0.00	0.82	0.32	0.00	0.00	0.38	0.15	0.44	0.17	14.67	14.67
January	0.00	0.00	1.17	0.46	0.00	0.00	0.68	0.27	0.49	0.19	14.94	14.94
February	0.00	0.00	1.24	0.49	0.00	0.00	0.68	0.27	0.55	0.22	15.21	15.21
March	0.00	0.00	1.05	0.41	0.00	0.00	0.46	0.18	0.59	0.23	15.39	15.39
April	0.00	0.00	0.45	0.18	0.00	0.00	-0.15	-0.06	0.60	0.24	15.33	15.33
May	0.00	0.00	0.13	0.05	0.00	0.00	-0.46	-0.18	0.58	0.23	15.15	15.15
June	0.15	0.06	0.12	0.05	0.00	0.00	-0.46	-0.18	0.58	0.23	14.97	14.97
July	0.14	0.06	0.12	0.05	0.00	0.00	-0.46	-0.18	0.57	0.22	14.79	14.79
August	0.02	0.01	0.17	0.07	0.00	0.00	-0.38	-0.15	0.55	0.22	14.64	14.64
September	0.00	0.00	0.21	0.08	0.00	0.00	-0.30	-0.12	0.51	0.20	14.52	14.52
Total	0.30	0.12	6.41	2.52	0.04	0.01	0.00	0.00	6.38	2.51	--	--

SESOIL Pollutant Cycle Report

Scenario Description: 777NFS

SESOIL Output File: C:\SEV7 WIN7\S01.OUT

SESOIL Process	Pollutant Mass (µg)	Percent of Total
Volatilized	3.873E+08	75.10
In Soil Air	3.871E+06	0.75
Sur. Runoff	0.000E+00	0.00
In Washld	0.000E+00	0.00
Ads On Soil	9.605E+05	0.19
Hydrol Soil	0.000E+00	0.00
Degrad Soil	0.000E+00	0.00
Pure Phase	0.000E+00	0.00
Complexed	0.000E+00	0.00
Immobile CEC	0.000E+00	0.00
Hydrol CEC	0.000E+00	0.00
In Soil Moi	4.879E+06	0.95
Hydrol Mois	0.000E+00	0.00
Degrad Mois	0.000E+00	0.00
Other Trans	0.000E+00	0.00
Other Sinks	0.000E+00	0.00
Gwr. Runoff	1.180E+08	22.88
Total Output	5.151E+08	99.87
Total Input	5.158E+08	
Input - Output	6.938E+05	

Maximum leachate concentration: 5.987E+01 mg/l

Climate File: LOS ANGELES, CIVIC CENTER

C:\SEV7 WIN7\SET_ET_15PRECIP.CLM

Chemical File: PCE (Tetrachloroethene) OEPA 2003

c:\sev7 win7\PCE (TETRACHLOROETHENE) OEPA 2003.CHM

Soil File: Depth weighted soil

C:\SEV7 WIN7\DEPTH_AVG_SOIL.SOI

Application File: SEVIEW Default Application Parameters

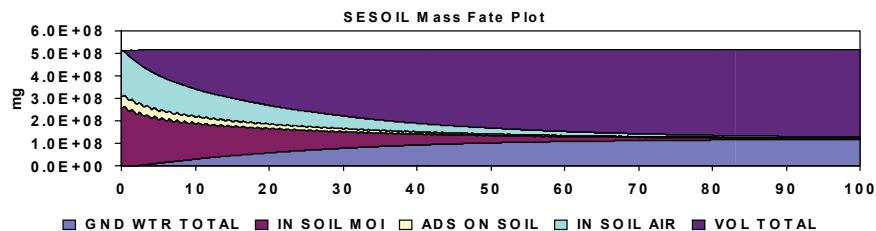
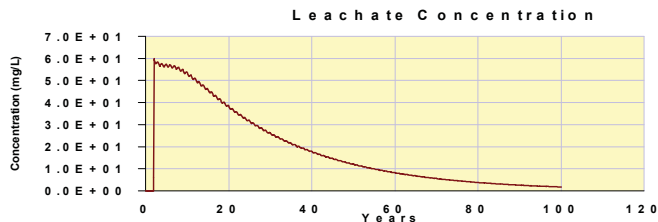
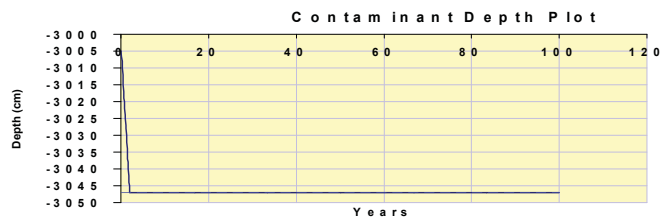
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Time to Groundwater: 1.08 years

Starting Depth: 3005.00 cm

Ending Depth: 3047.00 cm

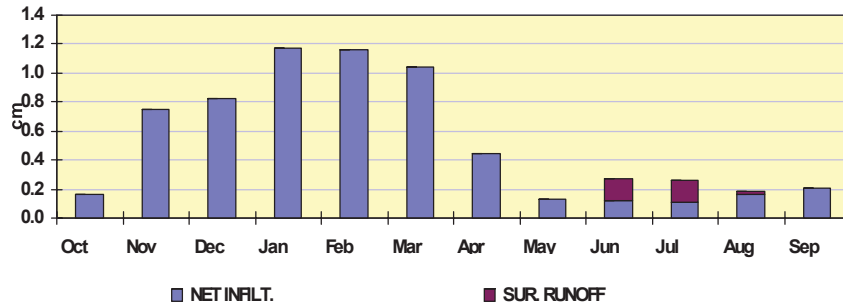
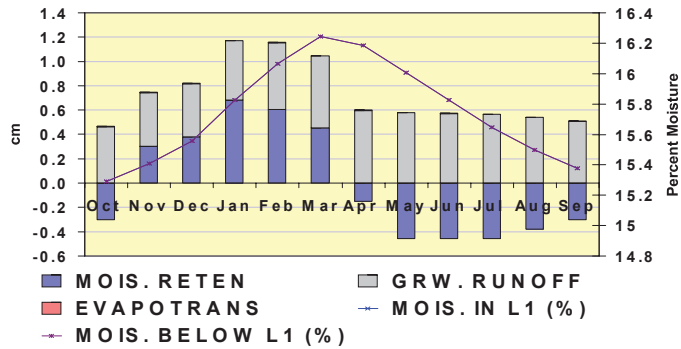
Total Depth: 3047.00 cm



SESOIL Hydrologic Cycle Report

Scenario Description: 777NFS

SESOIL Output File: C:\SEV7 WIN7\S01.OUT



	Surface Water Runoff		Net Infiltration		Evapotranspiration		Soil Moisture Retention		Groundwater Runoff (Recharge)		Soil Moisture	
	cm	Inches	cm	Inches	cm	Inches	cm	Inches	cm	Inches	Layer 1 Percent	Below Layer 1 Percent
Units	cm	Inches	cm	Inches	cm	Inches	cm	Inches	cm	Inches	Percent	Percent
October	0.00	0.00	0.16	0.06	0.00	0.00	-0.30	-0.12	0.46	0.18	15.29	15.29
November	0.00	0.00	0.75	0.30	0.00	0.00	0.30	0.12	0.44	0.17	15.41	15.41
December	0.00	0.00	0.82	0.32	0.00	0.00	0.38	0.15	0.44	0.17	15.56	15.56
January	0.00	0.00	1.17	0.46	0.00	0.00	0.68	0.27	0.49	0.19	15.83	15.83
February	0.00	0.00	1.16	0.46	0.00	0.00	0.61	0.24	0.55	0.22	16.07	16.07
March	0.00	0.00	1.05	0.41	0.00	0.00	0.46	0.18	0.59	0.23	16.25	16.25
April	0.00	0.00	0.45	0.18	0.00	0.00	-0.15	-0.06	0.60	0.24	16.19	16.19
May	0.00	0.00	0.13	0.05	0.00	0.00	-0.46	-0.18	0.58	0.23	16.01	16.01
June	0.16	0.06	0.12	0.05	0.00	0.00	-0.46	-0.18	0.57	0.22	15.83	15.83
July	0.15	0.06	0.11	0.04	0.00	0.00	-0.46	-0.18	0.57	0.22	15.65	15.65
August	0.02	0.01	0.16	0.06	0.00	0.00	-0.38	-0.15	0.54	0.21	15.50	15.50
September	0.00	0.00	0.20	0.08	0.00	0.00	-0.30	-0.12	0.51	0.20	15.38	15.38
Total	0.32	0.13	6.28	2.47	0.04	0.01	-0.08	-0.03	6.31	2.49	--	--

SESOIL Pollutant Cycle Report

Scenario Description: 777NFS

SESOIL Output File: C:\SEV7 WIN7\S01.OUT

SESOIL Process	Pollutant Mass (µg)	Percent of Total
Volatilized	3.617E+08	70.13
In Soil Air	6.424E+06	1.25
Sur. Runoff	0.000E+00	0.00
In Washld	0.000E+00	0.00
Ads On Soil	1.687E+06	0.33
Hydrol Soil	0.000E+00	0.00
Degrad Soil	0.000E+00	0.00
Pure Phase	0.000E+00	0.00
Complexed	0.000E+00	0.00
Immobile CEC	0.000E+00	0.00
Hydrol CEC	0.000E+00	0.00
In Soil Moi	9.078E+06	1.76
Hydrol Mois	0.000E+00	0.00
Degrad Mois	0.000E+00	0.00
Other Trans	0.000E+00	0.00
Other Sinks	0.000E+00	0.00
Gwr. Runoff	1.360E+08	26.38
Total Output	5.149E+08	99.84
Total Input	5.158E+08	
Input - Output	8.061E+05	

Maximum leachate concentration: 5.927E+01 mg/l

Climate File: LOS ANGELES, CIVIC CENTER

C:\SEV7 WIN7\SET_ET_15PRECIP.CLM

Chemical File: PCE (Tetrachloroethene) OEPA 2003

c:\sev7 win7\PCE (TETRACHLOROETHENE) OEPA 2003.CHM

Soil File: Depth weighted soil

C:\SEV7 WIN7\DEPTH_AVG_SOIL.SOI

Application File: SEVIEW Default Application Parameters

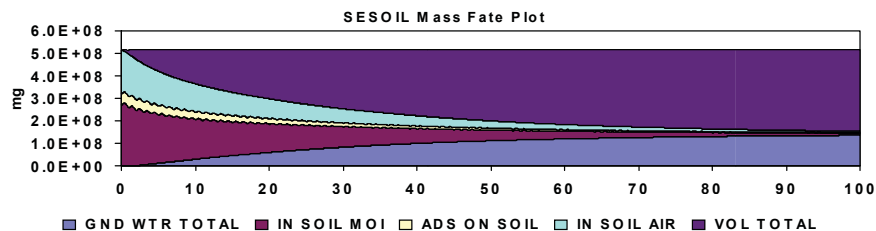
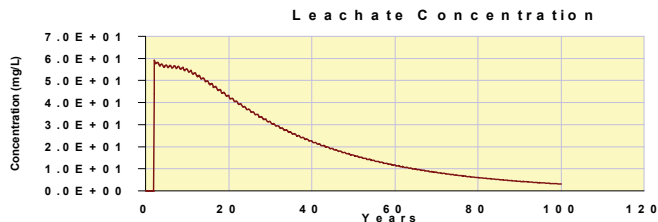
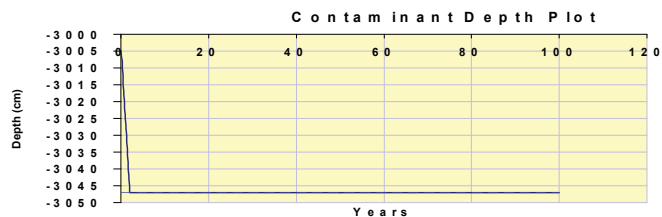
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Time to Groundwater: 2.08 years

Starting Depth: 3005.00 cm

Ending Depth: 3047.00 cm

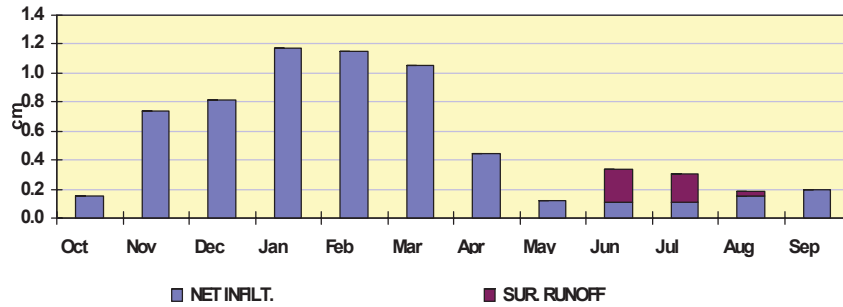
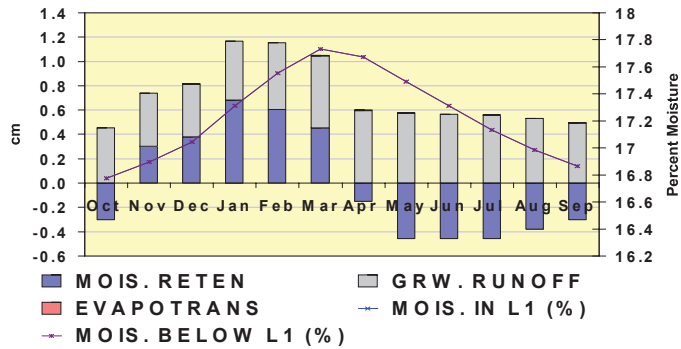
Total Depth: 3047.00 cm



SESOIL Hydrologic Cycle Report

Scenario Description: 777NFS

SESOIL Output File: C:\SEV7 WIN7\S01.OUT



	Surface Water Runoff		Net Infiltration		Evapotranspiration		Soil Moisture Retention		Groundwater Runoff (Recharge)		Soil Moisture	
	cm	Inches	cm	Inches	cm	Inches	cm	Inches	cm	Inches	Layer 1 Percent	Below Layer 1 Percent
October	0.00	0.00	0.15	0.06	0.00	0.00	-0.30	-0.12	0.45	0.18	16.78	16.78
November	0.00	0.00	0.74	0.29	0.00	0.00	0.30	0.12	0.43	0.17	16.89	16.89
December	0.00	0.00	0.81	0.32	0.00	0.00	0.38	0.15	0.43	0.17	17.04	17.04
January	0.00	0.00	1.17	0.46	0.00	0.00	0.68	0.27	0.48	0.19	17.31	17.31
February	0.00	0.00	1.16	0.46	0.00	0.00	0.61	0.24	0.55	0.22	17.55	17.55
March	0.00	0.00	1.05	0.41	0.00	0.00	0.46	0.18	0.59	0.23	17.73	17.73
April	0.00	0.00	0.45	0.18	0.00	0.00	-0.15	-0.06	0.60	0.24	17.67	17.67
May	0.00	0.00	0.12	0.05	0.00	0.00	-0.46	-0.18	0.58	0.23	17.49	17.49
June	0.22	0.09	0.11	0.04	0.00	0.00	-0.46	-0.18	0.57	0.22	17.31	17.31
July	0.19	0.07	0.11	0.04	0.00	0.00	-0.46	-0.18	0.56	0.22	17.13	17.13
August	0.03	0.01	0.15	0.06	0.00	0.00	-0.38	-0.15	0.53	0.21	16.98	16.98
September	0.00	0.00	0.20	0.08	0.00	0.00	-0.30	-0.12	0.50	0.20	16.86	16.86
Total	0.44	0.17	6.22	2.45	0.04	0.01	-0.08	-0.03	6.26	2.46	--	--

SESOIL Pollutant Cycle Report

Scenario Description: 777NFS

SESOIL Output File: C:\SEV7 WIN7\S01.OUT

SESOIL Process	Pollutant Mass (µg)	Percent of Total
Volatilized	3.046E+08	59.06
In Soil Air	1.260E+07	2.44
Sur. Runoff	0.000E+00	0.00
In Washld	0.000E+00	0.00
Ads On Soil	3.690E+06	0.72
Hydrol Soil	0.000E+00	0.00
Degrad Soil	0.000E+00	0.00
Pure Phase	0.000E+00	0.00
Complexed	0.000E+00	0.00
Immobile CEC	0.000E+00	0.00
Hydrol CEC	0.000E+00	0.00
In Soil Moi	2.176E+07	4.22
Hydrol Mois	0.000E+00	0.00
Degrad Mois	0.000E+00	0.00
Other Trans	0.000E+00	0.00
Other Sinks	0.000E+00	0.00
Gwr. Runoff	1.720E+08	33.36
Total Output	5.147E+08	99.80
Total Input	5.158E+08	
Input - Output	1.040E+06	

Maximum leachate concentration: 5.986E+01 mg/l

Climate File: LOS ANGELES, CIVIC CENTER

C:\SEV7 WIN7\SET_ET_15PRECIP.CLM

Chemical File: PCE (Tetrachloroethene) OEPA 2003

c:\sev7 win7\PCE (TETRACHLOROETHENE) OEPA 2003.CHM

Soil File: Depth weighted soil

C:\SEV7 WIN7\DEPTH_AVG_SOIL.SOI

Application File: SEVIEW Default Application Parameters

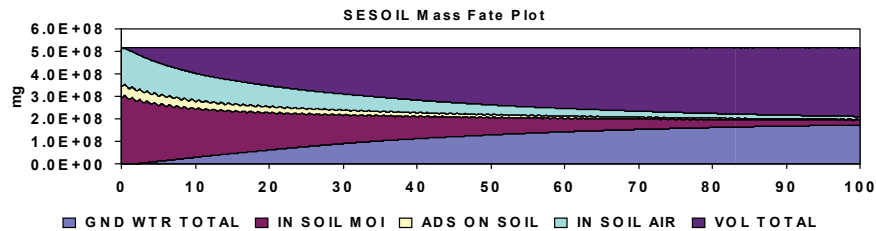
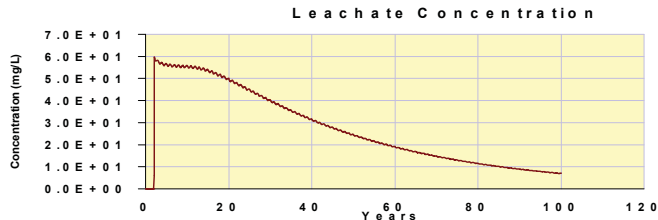
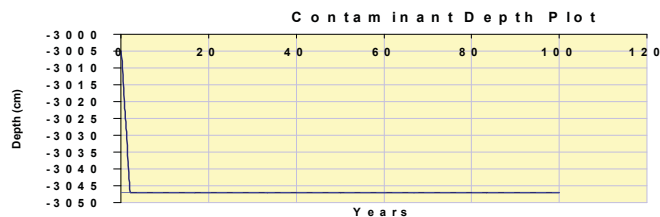
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Time to Groundwater: 2.08 years

Starting Depth: 3005.00 cm

Ending Depth: 3047.00 cm

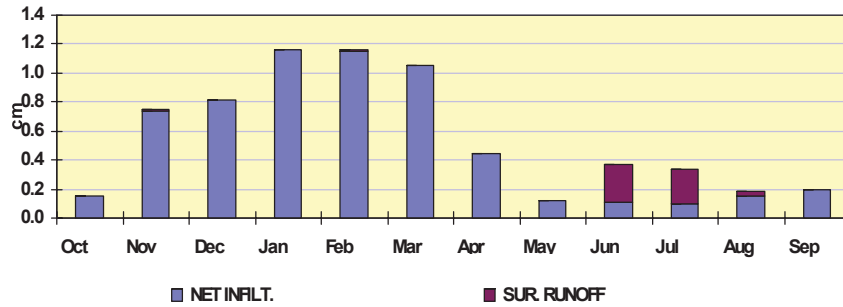
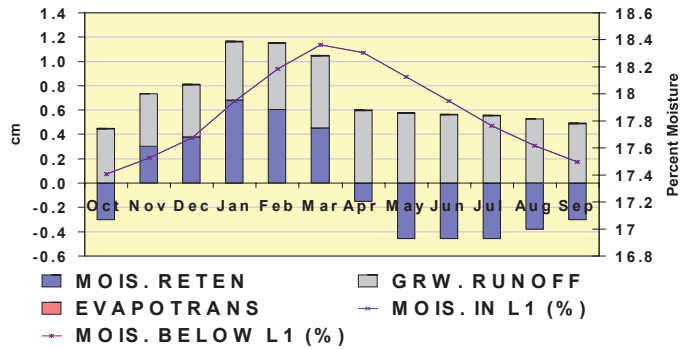
Total Depth: 3047.00 cm



SESOIL Hydrologic Cycle Report

Scenario Description: 777NFS

SESOIL Output File: C:\SEV7 WIN7\S01.OUT



	Surface Water Runoff		Net Infiltration		Evapotranspiration		Soil Moisture Retention		Groundwater Runoff (Recharge)		Soil Moisture	
	cm	Inches	cm	Inches	cm	Inches	cm	Inches	cm	Inches	Layer 1 Percent	Below Layer 1 Percent
October	0.00	0.00	0.15	0.06	0.00	0.00	-0.30	-0.12	0.45	0.18	17.41	17.41
November	0.01	0.00	0.74	0.29	0.00	0.00	0.30	0.12	0.43	0.17	17.53	17.53
December	0.00	0.00	0.81	0.32	0.00	0.00	0.38	0.15	0.43	0.17	17.68	17.68
January	0.00	0.00	1.17	0.46	0.00	0.00	0.68	0.27	0.48	0.19	17.95	17.95
February	0.01	0.00	1.16	0.46	0.00	0.00	0.61	0.24	0.54	0.21	18.18	18.18
March	0.00	0.00	1.05	0.41	0.00	0.00	0.46	0.18	0.59	0.23	18.36	18.36
April	0.00	0.00	0.45	0.18	0.00	0.00	-0.15	-0.06	0.60	0.24	18.30	18.30
May	0.00	0.00	0.12	0.05	0.00	0.00	-0.46	-0.18	0.58	0.23	18.13	18.13
June	0.26	0.10	0.11	0.04	0.00	0.00	-0.46	-0.18	0.56	0.22	17.95	17.95
July	0.23	0.09	0.10	0.04	0.00	0.00	-0.46	-0.18	0.55	0.22	17.77	17.77
August	0.04	0.02	0.15	0.06	0.00	0.00	-0.38	-0.15	0.53	0.21	17.62	17.62
September	0.00	0.00	0.19	0.07	0.00	0.00	-0.30	-0.12	0.49	0.19	17.50	17.50
Total	0.55	0.22	6.19	2.44	0.04	0.01	-0.08	-0.03	6.23	2.45	--	--

SESOIL Pollutant Cycle Report

Scenario Description: 777NFS

SESOIL Output File: C:\SEV7 WIN7\S01.OUT

SESOIL Process	Pollutant Mass (µg)	Percent of Total
Volatilized	2.762E+08	53.55
In Soil Air	1.572E+07	3.05
Sur. Runoff	0.000E+00	0.00
In Washld	0.000E+00	0.00
Ads On Soil	4.835E+06	0.94
Hydrol Soil	0.000E+00	0.00
Degrad Soil	0.000E+00	0.00
Pure Phase	0.000E+00	0.00
Complexed	0.000E+00	0.00
Immobile CEC	0.000E+00	0.00
Hydrol CEC	0.000E+00	0.00
In Soil Moi	2.959E+07	5.74
Hydrol Mois	0.000E+00	0.00
Degrad Mois	0.000E+00	0.00
Other Trans	0.000E+00	0.00
Other Sinks	0.000E+00	0.00
Gwr. Runoff	1.882E+08	36.50
Total Output	5.146E+08	99.77
Total Input	5.158E+08	
Input - Output	1.161E+06	

Maximum leachate concentration: 5.941E+01 mg/l

Climate File: LOS ANGELES, CIVIC CENTER

C:\SEV7 WIN7\SET_ET_15PRECIP.CLM

Chemical File: PCE (Tetrachloroethene) OEPA 2003

c:\sev7 win7\PCE (TETRACHLOROETHENE) OEPA 2003.CHM

Soil File: Depth weighted soil

C:\SEV7 WIN7\DEPTH_AVG_SOIL.SOI

Application File: SEVIEW Default Application Parameters

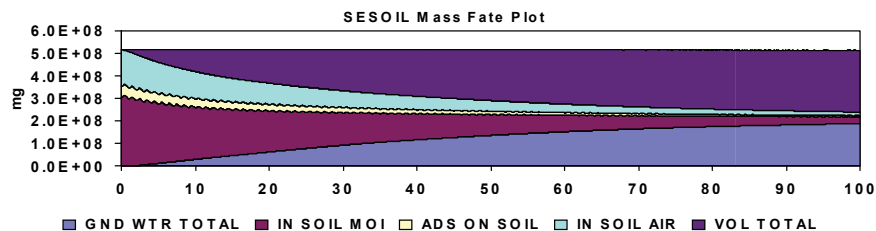
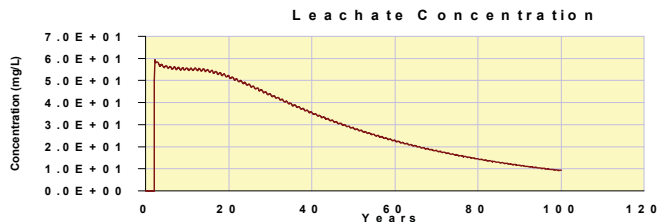
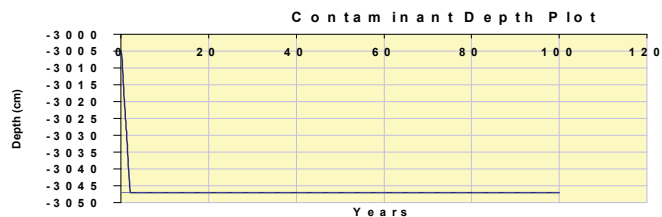
C:\SEV7 WIN7\S01.APL

Time to Groundwater: 2.08 years

Starting Depth: 3005.00 cm

Ending Depth: 3047.00 cm

Total Depth: 3047.00 cm



Prepared for

Northridge Properties, LLC
15505 Roscoe Boulevard
North Hills, California 91343

SUPPLEMENTAL SITE INVESTIGATION REPORT

777 North Front Street

Burbank, California

Prepared by

Geosyntec 
consultants

2100 Main Street, Suite 150
Huntington Beach, California 92648

Telephone: (714) 969-0800

Fax: (714) 969-0820

www.geosyntec.com

Project Number HR1305D

April 2018

SUPPLEMENTAL SITE INVESTIGATION REPORT

777 North Front Street

Burbank, California

Prepared for

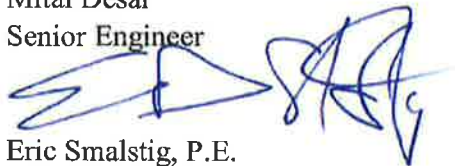
Northridge Properties, LLC

Geosyntec's services were performed and this report has been prepared in accordance with generally accepted professional standards of care applicable to the scope of services authorized by the client, and no other warranty is provided in connection therewith.

Consistent with applicable professional standards of care, information and results presented in this report were based in part on data furnished by others. Although we were not able to independently verify such data, we did evaluate its consistency with other information that was developed in the course of our performance of this scope of services.



Mital Desai
Senior Engineer



Eric Smalstig, P.E.
Senior Principal

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LIST OF ACRONYMS / ABBREVIATIONS

1,1,1-TCA	1,1,1-Trichloroethylene
1,1-DCE	1,1-Dichloroethylene
ac-ft	acre-feet
bgs	below ground surface
Cal EPA	California Environmental Protection Agency
Caltrans	California Department of Transportation
CAM	California Administrative Manual
CDWR	California Department of Water Resources
CHHSLs	California Human Health Screening Levels
CrVI	Hexavalent Chromium
DTSC	Department of Toxic Substance Control
ELAP	Environmental Laboratory Accreditation Program
ft	feet
bgs	below ground surface
GAMA	Groundwater Ambient Monitoring and Assessment
GC/MS	Gas Chromatography/Mass Spectrometry
GPS	Global Positioning System
HGC	Hydro Geo Chem. Inc.
IDW	Investigation Derived Waste
LARWQCB	Los Angeles Regional Water Quality Control Board
ml/min	milliliter per minute
OTIE	Oneida Total Integrated Enterprises
PCB	Polychlorinated Biphenyls
PCE	Tetrachloroethylene
PID	Photoionization Detector
RL	Reporting Limit
RSL	Regional Screening Levels
RWQCB	Regional Water Quality Control Board

SFV	San Fernando Valley
SWRCB	State Water Resources Control Board
SVE	Soil Vapor Extraction
TCE	Trichloroethylene
TPH	Total Petroleum Hydrocarbon
ULARA	Upper Los Angeles River Area
ULARAW	Upper Los Angeles River Area Watermaster
USEPA	United States Environmental Protection Agency
USCS	Unified Soil Classification System
USGS	United States Geological Survey
VOC	Volatile Organic Compound

1. INTRODUCTION

1.1 Overview

Geosyntec Consultants, Inc. (Geosyntec) has prepared this *Supplemental Site Investigation Report* (Report) to document the results of the 2017 supplemental soil and soil vapor investigation that was performed at the 8-acre proposed mixed use development property located at 777 North Front Street in Burbank, California (Site, shown in Figure 1). The additional soil and soil vapor investigation was performed at the request of the Los Angeles Regional Water Quality Control Board (LARWQCB) and in accordance with an informal work plan that was discussed with and approved by the LARWQCB in September 2017. The primary purpose of the supplemental site investigation was to further evaluate the potential for volatile organic compounds (VOCs) in soil and soil vapor within the vadose zone at depths of up to approximately 90 feet below ground surface (ft bgs) in the area where historical impacts of VOCs have been documented.

1.2 Report Organization

The remainder of this Report is organized as follows:

- Section 2 – *Site Background*, which summarizes the Site history, background, usage, prior investigations/remediation, regulatory context and proposed redevelopment plan.
- Section 3 – *Supplemental Soil and Soil Vapor Investigation*, which describes the methodology used to perform the supplemental investigation.
- Section 4 – *Results*, which presents the results of the supplemental investigation.
- Section 5 – *Summary*, which summarizes the extent of testing performed at the Site.
- Section 6 – *References*.

2. SITE BACKGROUND

2.1 Site Description

The Site is located at 777 North Front Street in Burbank, California, in a commercial/industrial area of Los Angeles County. The Site is bounded by the Interstate-5 freeway to the northeast, North Front Street to the southwest, West Burbank Boulevard to the northwest, and West Magnolia Boulevard to the southeast (Figure 1).

Background information regarding the Site presented in this section is largely based on the summary within the most recent Site-wide *Soil Gas Survey and Soil Investigation, Eight-Acre Proposed Mixed Use Development* by Leighton [Leighton, 2016]. From the 1930s to 1961, the Site was the location of a water heater manufacturing company with operations that included galvanizing, vulcanizing, plating, welding, and metalwork. From 1961 to 1991, the Site was owned and operated by Zero Corporation, whose operations included aluminum case drawing and washing, aluminum alodining (a metal coating process involving chromium and aluminum), chromate deoxidizing, steel phosphate coating and chromium sealing [Leighton, 2016]. Zero Corporation ceased operations onsite in 1991 and sold the Site in 1998 but continued remedial activities thereafter. The buildings onsite were demolished in 2004, with the building concrete slabs and footings (i.e., surface cover comprised of several inches to approximately one-foot thick concrete) left in place. The Site has been vacant since that time, having no uses since 1991 (other than temporary rentals for filming of motion picture or television productions and other marginal uses until the buildings were demolished). Northridge Properties, LLC, purchased the Site in 2005, and is the current owner. Site use during Northridge Properties' ownership has included occasional, short-term licenses or rentals to horse circus show productions (e.g., Cavalia). In addition, Caltrans has had a temporary construction staging area easement on a portion of the Site during the Interstate 5 widening operations, and a portion of the Caltrans' easement area is permanent for the widening of Interstate-5. Otherwise, the Site is vacant.

2.2 Geological Description

2.2.1 Regional Geology

The Site is located in the San Fernando Valley (SFV), a late Tertiary-Quaternary basin bounded by the Santa Susana Mountains to the northwest, the San Gabriel and Verdugo Mountains to the northeast, the San Rafael Hills to the east, the Santa Monica Mountains to the south, and the Simi Hills to the west [Upper Los Angeles River Area Water Master (ULARAW), 2016; Tinsley, 2001]. The SFV is part of the broader Transverse Ranges

physiographic province [United States Geological Survey (USGS), 1996]. The Transverse Ranges province is characterized by fault-created valleys filled with marine to terrestrial sediments of Pleistocene through Holocene age, which are underlain by sedimentary bedrock and/or crystalline basement rock [USGS, 2012; ULARAW, 2015].

The water-bearing alluvial deposits in SFV consist of the Holocene and Pleistocene age alluvium underlain by the lower Pleistocene Saugus Formation, [California Department of Water Resources (CDWR), 2004]. The eastern part of the SFV Holocene age alluvium consists of about 20% clay mixed with primarily coarse-grained unsorted gravel and sand. The Pleistocene age alluvium consists of mostly highly permeable, unconsolidated coarse-grained alluvial fan interspersed with lower permeability paleosols. The Saugus Formation consists of continental and shallow marine deposits with lower permeability than that of the overlying alluvium [ULARAW, 2016]. In the eastern SFV, the Saugus Formation lies above the crystalline bedrock, where it reaches a maximum thickness of approximately 1,000 ft.

2.2.2 Site-Specific Geology

The geology of the Site has been described in previous reports based on subsurface investigations conducted since the early 1990s [Targhee Inc., 1991; Hydro Geo Chem (HGC), 1992; HGC, 1999; Ninyo & Moore, 2009; Geosyntec 2012; Geocon West Inc. (Geocon), 2016; Leighton 2016; Oneida Total Integrated Enterprises (OTIE), 2016; and Geosyntec, 2017]. Each study found that Quaternary alluvial soils extended to the maximum depth of exploration. Soil borings on the Site indicate that Quaternary alluvial soils extend to at least 90 ft depth [Geosyntec, 2017], while nearby borings drilled for the installation of groundwater monitoring wells PWA-2 and PWA-3 indicate that, locally, alluvial soils extend to a least 163 ft [OTIE, 2016].

One study [Geocon, 2016] describes a continuous layer of artificial fill across the entirety of the Site, from surface or below the concrete slab, to as deep as 14 ft bgs. The other Site studies reviewed have not identified a continuous layer of artificial fill at the Site, and at least one [Ninyo & Moore, 2009] describes the upper-most soils as alluvium. Field observations by Geosyntec staff [Geosyntec, 2012; 2016; 2017] suggest that, outside of uncommon instances where concrete clasts are observed in soils beneath the slab, shallow soils at the Site likely consist of alluvial soils.

Soils within the upper 90 ft at the Site can be grouped into three general categories. Silty sands (SM) and sandy silts (ML) are most common, and are typically brown, moist, and have poorly graded fine sand and a minor gravel component (5-15%). Well graded sands (SW) with gravel are also observed, especially in the northwestern portion of the Site.

These soils are typically pale grey, slightly moist or dry, and have notably angular sand grains and gravel clasts suggesting very little weathering and transport prior to deposition. Clays (CL) are also present, though uncommon and discontinuously distributed across the site. These soils are typically brown, moist to very moist, medium plastic, and contain little sand and only trace gravel, if any.

The stratigraphy of the Site may be defined in terms of two distinct zones: a continuous sequence of sandy silts and silty sands in the upper-most 12 to 30 ft, and a sequence of well graded sands to silty sands containing thin discontinuous lenses of fine-grained material below. The lower sequence is characteristic of typical alluvial fan deposits, with coarse-grained, angular, gravelly well graded sands, silty sands with gravel, and scattered sheets or lenses of finer grained material. The upper sequence records recent development of the eastern SFV, with semi-continuous layers of sandy silt and silty sand typical of basin deposition.

2.3 Hydrogeological Description

2.3.1 Regional Hydrogeology

The Site is located in the Upper Los Angeles River Area (ULARA) in the eastern part of SFV Basin of the South Coast Hydrologic Region. The SFV receives an average annual precipitation of about 17 inches and much of this surface water is drained by the Los Angeles River and its tributaries [CWDR, 2004]. Groundwater flows from the edges to the central portion of the SFV Basin, into the eastern portion of the basin, beneath the Los Angeles River Narrows following the Los Angeles River near Glendale, and into the Coastal Plain of Los Angeles Basin. The groundwater flow velocity is about 5 ft per year in the western part of the basin and reaches as much as 1,300 ft per year beneath the Los Angeles River Narrows [CWDR, 2004].

Groundwater in the eastern part of the SFV basin is primarily calcium bicarbonate in nature [CDWR, 2004]. The SFV Basin has an estimated storage capacity of 3,200,000 acre-feet (ac-ft) of groundwater, with a maximum thickness of water-bearing alluvial deposits in the eastern portion of the SFV Basin of about 200 to 300 ft [ULARAW, 1999; ULARAW, 2016]. Groundwater in this region is mainly unconfined and, since water adjudication in the 1980s, levels have remained reasonably stable, although up to 80 ft variations in water level in the eastern portion has occurred historically [CDWR, 2004].

2.3.2 Site-Specific Hydrogeology

In 1991, as a part of a soil vapor (interchangeably referred to as “soil gas” in other sections of this Report) survey performed by Leighton on the adjacent Hyrail property (a linear rail property extending along the western boundary of the Site), two soil borings were drilled to groundwater at approximately 110 ft bgs [Leighton, 2016]. As part of regional United States Environmental Protection Agency (USEPA) investigations, groundwater elevations from 31 January 2013 were reported for two wells adjacent to the Site, PWA-2 and PWA-3, as 123.34 and 105.84 ft bgs, respectively [OTIE, 2016]. Site-specific aquifer properties have not been identified. Based on the Site-specific geology and regional geologic descriptions, the predominant soil type within the aquifer is sand, with some intervals of finer (silt) or coarser (gravel) materials mixed with sand.

2.3.3 Water Usage

The South Coast Hydrologic Region meets approximately 23% of its agricultural and municipal water demands with groundwater [CDWR, 2004]. The three parties with pumping rights in the SFV Groundwater Basin, the City of Los Angeles, Burbank, and Glendale, get a significant portion of their municipal water supply from the basin [ULARAW, 2016].

Based on the California State Water Resources Control Board’s (SWRCB) Groundwater Ambient Monitoring and Assessment (GAMA) online database, there are eight supply wells within one mile of the Site. Six of these are Department of Water Resources wells, and only limited information about these wells could be identified. The other wells are City of Burbank Water Department wells [ERM, 2011]; these supply wells are screened from approximately 75 to 330 ft bgs, indicating that shallow groundwater has been used for water supply.

2.4 Historical Site Investigations, Assessments and Remedial Activities

2.4.1 Pre-Remediation Site Investigations

An initial Site investigation in 1991 identified that soils in the areas of former clarifiers and former chemical/oils storage were impacted by VOCs and total petroleum hydrocarbons (TPH) [Targhee Inc., 1991]. Additional Site investigations performed between 1992 and 1995 by HGC indicated that Site soil and soil vapor were impacted by chlorinated VOCs. Subsurface environmental assessment was performed by Law/Crandall in 1997 at five “hot spots” identified on the Site. Site investigation sampling locations by Targhee Inc., HGC and Law/Crandall are presented in Figure 2 and 3 for soil and soil vapor respectively, to the extent they were available.

2.4.2 Remediation and Closure

Site remediation activities were performed from 1998 to 2001 [HGC, 2001]. Two active soil remedial phases were approved by the LARWQCB in 1998 and 1999, consisting of using a shallow (i.e., up to 50 ft bgs) soil vapor extraction (SVE) and treatment system (Phase 1) and a deeper (i.e., between 50 and 85 ft bgs) SVE and treatment system with air sparging wells (Phase 2). Approximately 8,000 pounds of VOCs were removed by the SVE system; 79% of the total mass consisted of perchloroethylene (PCE) and petroleum hydrocarbons removal, and the remaining 21% of total mass removal consisted of trichloroethene (TCE), 1,1,1-trichloroethane (1,1,1-TCA), and 1,1-dichloroethene (1,1-DCE) [HGC, 2001].

Following Phase 1 and Phase 2 remediation activities, HGC submitted a work plan for site closure based on the remedial progress. The LARWQCB approved the work plan on 2 October 2000. Closure activities conducted between October 2000 and February 2001 consisted of two rounds of soil vapor sampling, rebound monitoring, and groundwater sampling [HGC, 2001]. APW North America, Inc. (the former Zero Corporation) obtained a No Further Requirements (NFR) letter for VOC soil contamination with respect to the San Fernando Cleanup Program from the LARWQCB 28 November 2001. Further, a Certificate of Completion was provided to APW North America, Inc. on 1 July 2002 from the LARWQCB as the designated Administering Agency for the Site under California's Unified Agency Review of Hazardous Materials Release Sites Law. The Certificate of Completion noted "...Site mitigation activities have satisfied the requirements of all agencies concerned with the hazardous substance release."

2.4.3 Post-Closure Investigations

Additional Site investigations were performed following issuance of the Certificate of Completion for a variety of reasons. The post-closure Site investigations included:

- Soil sampling performed in 2005 by Golder & Associates in former electrical transformer areas that were identified as potential polychlorinated biphenyl (PCB) sources after the demolition of the buildings in 2004. The results of this study did not indicate the presence of PCBs in soil on-Site [Leighton, 2016].
- Soil and soil vapor sampling performed in 2009 by Ninyo & Moore within the northeastern portion of the Site where the Interstate I-5 widening project was planned indicated soil concentrations of hexavalent chromium (CrVI) above regional background, and concentrations of VOCs in soil vapor above relevant human health screening criteria. The area of this investigation has since been

deeded to CalTrans as a permanent easement in connection with the Interstate I-5 widening project.

- Soil sampling performed at the request of LARWQCB for CrVI performed in 2012 by Geosyntec found detectable levels of CrVI that were below the residential and commercial/industrial soil California Human Health Screening Levels (CHHSLs). The CrVI concentrations in the soil samples were above the relevant USEPA residential soil regional screening level (RSL) but below the commercial/industrial soil RSL. Select soil samples were additionally analyzed for a larger suite of metals. The vertical distribution of CrVI in soil was inconsistent with historical releases of CrVI that would have affected groundwater and did not suggest that historical Site activities had contributed to the groundwater basin's regional CrVI contamination. In addition and at the request of the LARWQCB, confirmation soil sampling near boring SS-4 was performed in 2016 with no detectable concentration of CrVI in shallow soils identified [Geosyntec, 2016].
- A geotechnical investigation related to the currently-proposed multi-family residential, hotel, and commercial mixed-use at the Site was conducted in 2016 by Geocon. This investigation¹ included soil dry bulk density, soil moisture, and porosity data up to 61.5 ft bgs.
- In addition to the geotechnical investigation, pre-development environmental soil and soil vapor investigation was performed at the Site by Leighton in 2016 [Leighton, 2016]; a grid-based (approximately 100 ft by 100 ft) and biased sampling approach included a total of 36 soil borings up to 30 ft bgs. The borings were advanced and soil was sampled at multiple depths. The soil samples were analyzed for VOCs, TPH, and CAM-17 metals. Soil samples with total chromium results greater than 50 milligrams per kilogram (mg/kg) were subsequently analyzed for CrVI. Soil vapor probes were installed at the bottom of each boring, at various depths. Soil vapor samples were analyzed for VOCs and were found throughout the Site at multiple depths. VOCs and metals were detected in the soil samples from the Site vadose zone. Multiple soil samples collected in the northwest-central portion of the Site contained elevated concentrations of total lead, zinc, and copper which, if excavated, will require management of the soil as California hazardous waste.

¹ Environmental sampling was not included during this investigation; therefore, the locations are not included in the figures.

Soil and soil vapor sampling locations from these investigations are presented on Figure 4 (soil) and Figure 5 (soil vapor) to the extent they were available and well documented.

2.5 Future Re-Development Plans

The proposed re-development of the Site introduced in the previous section is for a mixed-use residential and commercial complex. Proposed improvements include residential apartments, a hotel, limited ground floor commercial use, a park and bicycle hub with amphitheater style seating in the southernmost area of the Site, and first floor as well as tower pedestal parking structures. These future development plans are depicted in Figure 6.

3. SUPPLEMENTAL SOIL AND SOIL VAPOR INVESTIGATION

The results of the May 2016 soil vapor investigation (performed up to 30 ft bgs) revealed significant rebound of chlorinated VOCs (specifically, PCE, TCE, and 1,1,1-TCA) primarily in the central portion of the Site at levels similar to those previously investigated and remediated. Nine of 37 soil vapor samples (includes duplicates) exceeded the HGC Targeted Cleanup Level for PCE at a depth between 20 to 30 ft bgs. In order to supplement the relatively shallow, development-focused environmental sampling effort performed in 2016, Geosyntec performed a soil and soil vapor investigation in October and November of 2017 that extended up to 60 ft bgs at locations NP-3, NP-5 and NP-7, and up to 90 ft bgs at locations NP-1, NP-2, NP-4, NP-6 and NP-8 (Figure 7). The soil sampling was performed during installation of nested soil vapor probes between 9 and 13 October 2017 while the soil vapor sampling was performed on 16 November 2017. The following presents the investigative methodology that was used to perform the supplemental soil and soil vapor investigation.

3.1 Pre-Field Activities

Geosyntec contacted Underground Service Alert of Southern California (USA/DigAlert) to identify utility lines potentially located in the general vicinity of the proposed boreholes. Ticket number A72770369 was provided by USA/DigAlert.

A geophysical survey was conducted by Spectrum Geophysics of Chatsworth, California at the soil boring locations prior to the initiation of drilling to further evaluate the potential existence of subsurface utility lines or other underground obstructions within the immediate areas of the proposed borings that may not have been identified by USA/DigAlert. Proposed investigation locations were slightly adjusted in the field due to presence of underground anomalies (note 6 to 8-inch steel-reinforced concrete slabs cover the majority of the Site) and access issues related to the Interstate I-5 widening project.

3.2 Sampling Methods

3.2.1 Soil Sampling Methodology

After coring the concrete, eight soil borings were hand-augered to a minimum depth of 5 ft bgs as an added precaution to avoid potentially undetected underground utilities. Eight borings were then advanced using Sonic drilling techniques by BC2 Environmental of Orange, California, (a California licensed drilling company) between 9 and 13 October 2017. Continuous soil cores were obtained by using a telescoping casing truck (Terra Sonic 150CC) mounted to the drilling platform.

Continuous soil cores were collected for stratigraphic description by advancing the 10-ft long, 8 inch nominal diameter core barrel into the underlying geology starting at approximately 5 ft bgs. Upon retrieval of the core barrel, the soil core was extruded in a clear 6 mil plastic sample bag and sealed at both the ends. The depth intervals were appropriately marked on the plastic sample bag and arranged in sequence on an area covered with clean Visqueen[™] sheeting. The plastic sample bags were cut open after the interim target soil interval had been drilled; select photographs were taken of core intervals. A pre-calibrated MiniRAE 3000 photoionization detector (PID) was used to screen the soil cores for the presence of VOCs. The selection criteria for collection of soil samples included: (i) target depths within the planned soil vapor probe screened interval at each nested probe location, and/or (ii) locations with observed discoloration, hydrocarbon odor or positive indications of the presence of VOCs, if any, based on the results of soil screening using a PID. These observations including the soil sampling depths at each drilling location are described in the boring logs provided in Appendix A. A total of 36 soil samples were collected for VOCs using a Terra Core[™] sampler and field preservation techniques (low-head space sampling protocol, USEPA Method 5035).

The logging and description of soil cores was conducted under the supervision of a California Professional Geologist in general accordance with the Unified Soil Classification System (USCS). Borehole logs (Appendix A) include the following information:

- borehole identification and location;
- start and finish dates of drilling;
- soil sample names, depths and time;
- soil description and classifications according to the USCS (particle size distribution, color, moisture content);
- visual impacts, if any;
- PID readings and odor observations, if noted;
- drilling equipment type and model, drilling progress and unusual drilling conditions, if any;
- soil boring diameter;
- sampling equipment;
- depth to groundwater;
- name of person logging boreholes;

- name of supervising California Professional Geologist; and
- name of drilling company.

3.2.2 Soil Vapor Sampling Methodology

Following completion of the soil borings as described in Section 3.2.1, three nested soil vapor probes were installed in the three boring locations (NP-3, NP-5 and NP-7) that were advanced to 60 ft bgs and four nested soil vapor probes were installed in the five soil boring locations (NP-1, NP-2, NP-4, NP-6 and NP-8) that were advanced to 90 ft bgs.

The 5 ft screen interval was placed such that the top 4 ft of the screen was placed adjacent to the coarser material with elevated PID readings and the bottom 1 ft was placed adjacent to the underlying fine grain material. This approach was employed to allow for the VOCs in the finer grain materials, if present, to diffuse into the coarser material and be evaluated under this investigation. Soil vapor probes construction diagrams at each probe location is shown in Appendix B.

After allowing the distribution of VOCs to equilibrate for approximately one month, due to disturbance caused by drilling and the presence of fine grained materials, soil vapor probe sampling was performed on 16 November 2017 in accordance with the California Environmental Protection Agency (CalEPA) *Advisory - Active Soil Gas Investigation* prepared by the Department of Toxic Substance Control (DTSC) and the RWQCB [CalEPA, 2015]. The soil vapor sampling and analytical testing was performed by an on-Site mobile laboratory operated by Jones Environmental, Inc., of Santa Fe Springs, California (an accredited laboratory).

Prior to soil vapor purging or sampling, a shut-in test to check for leaks in the above ground fittings was performed at each probe. The leak test was performed to evaluate the seals in the sampling train, at the ground surface and within the probe interface at each probe using a tracer gas mixture of n-pentane, n-hexane, and n-heptane as the leak-check compounds.

After purging a default of three vapor probe volumes at a rate of approximately 200 milliliter per minute (ml/min), 29 primary and three replicate soil vapor samples were collected in glass gas-tight syringes with Teflon plungers. A vacuum of approximately 30 inches of water was maintained during purging and sampling. The soil vapor samples were injected into the Gas Chromatography/Mass Spectrometry (GC/MS) system within 30 minutes of sampling for analysis using USEPA Method 8260B.

3.3 Sample Handling and Custody

3.3.1 Soil Sample Identification

The soil samples were stored in cooled ice chests maintained at 4°+/-2°C using double-bagged ice. The following information was legibly written with indelible ink on the label attached to the side of each soil sample container:

- Sample ID -Primary samples identified as NP-X-YY, where X is the boring location (1 through 8) and YY is the depth of the sample in ft bgs;
- Sampling date and time; and
- Sampler's initials.

The soil samples were transported to the off-site laboratory under standard chain-of-custody documentation. The chain-of-custody included information such as sampling containers, matrix, date and time of sample collection, and method of analysis. The chain-of-custody forms were signed and dated in indelible ink at the time of relinquishing sampling containers to the laboratory courier.

3.3.2 Soil Vapor Sample Identification

The soil vapor samples were identified as NP-X-YY, where X is the probe location (1 through 8) and YY is the bottom depth of the 5 ft screen interval. The soil vapor samples were logged in the chain-of-custody and analyzed by the on-Site mobile laboratory.

3.4 Analytical Methods

A fixed laboratory certified by the California Department of Public Health's Environmental Laboratory Accreditation Program (ELAP) performed soil analyses for VOCs using USEPA Method 8260B/5035 (TerraCore[™] preparation/limited headspace).

Soil vapor samples were analyzed by an onsite mobile laboratory for VOCs using USEPA Method 8260B.

3.5 Quality Control

3.5.1 Field Quality Control

QC procedures for field equipment (e.g., PID) were achieved by calibrating the equipment according to the manufacturer's specification prior to use at the beginning of each day and by performing a calibration check at the end of each day of sampling.

3.5.2 Quality Control Samples for Soil Samples

Equipment blank samples were collected at a frequency of one per day² of sampling per set of equipment when non-dedicated sampling equipment was used. The equipment blank samples were prepared by pouring deionized water that is certified as free of VOCs and other potentially Site-related constituents in or over the field equipment (e.g., core barrel tip or shoe) and into the appropriate containers after the field equipment had been decontaminated. The equipment blank samples were analyzed for the same constituents as the primary samples to evaluate whether contamination was introduced to the sample from the sampling equipment.

3.5.3 Quality Control Samples for Soil Vapor Samples

One field duplicate sample was collected for every ten primary samples (10 percent of the total number of primary samples). Field duplicate samples were collected in the same manner as the primary samples and analyzed by the mobile laboratory for the same constituents as the primary samples. Agreement between duplicate and primary sample results indicates good sampling and analytical precision.

3.6 Decontamination Procedure

Reusable sampling equipment (e.g., core barrel) was decontaminated prior to use and between each location utilizing steam cleaning. A new pair of disposable nitrile (or equivalent) gloves were used to handle samples and sampling equipment; the gloves were discarded between sampling depths and when moving to a new drilling location.

² Equipment blank sample was not collected on 12 October 2017.

3.7 Investigation Derived Waste Disposal

Investigation-derived waste (IDW) generated during the fieldwork activities consisted of soil cuttings, concrete cores and decontamination water which was stored in 55-gallon drums. The IDW has been characterized as non-hazardous and is pending transportation and off-site disposal.

3.8 Survey

The supplemental Site investigation sampling locations were surveyed using a Global Position System (GPS) and field measurements relative to known fixed points.

4. INVESTIGATIVE RESULTS

This section describes the results of the soil and soil vapor sampling described in Section 3.

4.1 Site Soils and Stratigraphy

Based on the recent investigation, the soil types observed are consistent with sediment derived from an alluvial depositional environment, as described in Section 2.2.2. T generalized Site stratigraphy, based on the observations of this investigation is depicted in a northwest to southeast oriented cross section (labeled A-A') in Figure 8.

4.2 Soil Analytical Test Results

A summary of soil analytical test results is provided in Table 1. Laboratory data reports and chains-of-custodies are included in Appendix C. The soil analytical results were compared with the following Site-specific screening levels (Table 1 and 2) to the extent they were available and/or pertinent:

- HGC Targeted Soil Cleanup Levels presented in Work Plan for No Further Action Closure [HGC, 2000] and approved by the LARWQCB are used as screening levels (SLs) for protection of groundwater (referred as Depth-Specific HGC Soil SLs).
- Soil risk-based concentrations³ (RBC) calculated in Geosyntec's Human Health Risk Assessment (HHRA) dated May 2017 are used as screening levels for protection of human health (referred as the HHRA Soil RBC). Also note that the HHRA Soil RBCs are applicable to the shallow soils (in this case up to approximately 20 ft bgs considering the proposed foundation depth of the parking underlying the entirety of the structures in the redevelopment plan).

Review of the soil analytical test results indicate the following:

- Benzene, Toluene, PCE and TCE were the only constituents detected above the laboratory Reporting Limit (RL). Although detected above the RL, benzene and toluene detections were minor and sporadic in nature. The concentrations of these

³ Note that the RBCs used for comparison are the most conservative among the various scenario (i.e. for various land use, receptors, cancer/non-cancer effects) RBCs calculated for the Site.

constituents were well below the HHRA Soil RBCs in shallow soils (Table 1). A Depth-Specific HGC Soil SL is not available for these constituents.

- TCE was also detected in minor concentrations with the exception of NP-8-81 where it was detected at an estimated (i.e., J-flagged, denoting estimated below the laboratory reporting limit) quantity of 79 µg/kg. While the concentrations in shallow soil remained below the HHRA Soil RBCs (Table 1), the concentration observed at NP-8-81 is above the Depth Specific HGC Soil SLs of 5 µg/kg (Table 2).
- PCE was detected below the HHRA Soil RBCs in shallow soils, however, it exceeded the Depth Specific HGC Soil SLs at NP-2 (at 36, 50 and 80 ft bgs), NP-3 (12 and 16 ft bgs), NP-4 (at 40 and 80 ft bgs) and NP-8 (at 81 ft bgs) as shown in Table 2.
- PCE detections above the Depth Specific HGC Soil SLs are primarily in the central portion of the Site consistent with the historical information.

4.3 Soil Vapor Analytical Test Results

A summary of soil vapor analytical test results is provided in Table 3. Laboratory data reports and chain-of-custodies are included in Appendix D. The soil vapor analytical results were compared with the following Site-specific screening levels (Table 3 and 4) to the extent they were available:

- HGC Equivalent Soil Gas Concentrations presented in Work Plan for No Further Action Closure dated 26 June 2000 and approved by the LARWQCB are used as screening levels for protection of groundwater (referred as Depth-Specific HGC Soil Vapor SLs).
- Soil vapor RBCs⁴ calculated in Geosyntec's HHRA dated May 2017 are used as screening levels for protection of human health (referred as the HHRA Soil Vapor RBC).

⁴ Note that the RBCs used in Table 3 represent the most conservative scenario (i.e. RBCs calculated for exposure when the soil vapor concentration is at 4 ft bgs). Since PCE and TCE concentrations exceeded the most conservative RBCs in multiple samples, depth specific soil vapor RBCs were used in Table 4 which provides a reasonable comparison compared to the worst case comparison in Table 3.

Review of the soil vapor analytical test results indicate the following:

- A number of VOCs were detected in soil vapor samples collected at various depths; the detections, however, were below the respective worst case HHRA Soil Vapor RBC with the exception of PCE and TCE (Table 3).
- Since PCE and TCE exceeded the worst case HHRA Soil Vapor RBC, the concentrations were compared with Depth Specific HHRA Soil Vapor RBC (Table 4). In addition, 1,1,1 TCA, 1,1-DCE, PCE and TCE soil vapor sample concentrations were also compared with Depth-Specific HGC Soil Vapor SLs (Table 4). As shown in Table 4:
 - 1,1,1-TCA and 1,1-DCE in the soil vapor samples did not exceed the Depth-Specific HGC Soil Vapor SLs;
 - PCE concentrations in the soil vapor samples exceeded the Depth-Specific HHRA Soil Vapor RBC at NP-2, NP-3 and NP-4 (multiple depths) and also exceeded the Depth-Specific HGC Soil Vapor SLs at NP-1, NP-2, NP-3 and NP-4 (multiple depths).
 - TCE concentrations were below the Depth-Specific HHRA Soil Vapor RBC but above the Depth-Specific HGC Soil Vapor SLs at NP-2, NP-4 and NP-5. However, these exceedances were slightly above the screening levels.
- The highest concentrations of VOCs in soil vapor samples exist in the central area of the Site (near the former connection between Buildings 11 and 12). Figure 9 present isometric view of interpolated PCE soil vapor concentration above 200 µg/l in subsurface soil matrix at the Site.

5. SUMMARY

Since 1991, multiple soil and soil vapor investigations have been conducted at the Site to comply with the RWQCB Well Investigation Program directive pertaining to the investigation of the San Fernando Valley Superfund area. The results of the investigations discovered the presence of chlorinated VOCs in the soil and soil vapor as well as soil affected by elevated concentrations of selected metals. Most of the investigations were performed to evaluate the source(s) of, and nature of, the VOCs and metals impacts, as well as to characterize their lateral and vertical extent in subsurface soils at the Site (as described in Section 2). The results of these investigations, which included pilot testing for an SVE system were used to design a full scale, phased SVE and treatment system for remediation of the VOCs in the subsurface. SVE remediation was performed at the Site between May 1998 and October 2000. The responsible party for the Site obtained a No Further Requirements letter and a Certificate of Completion from the LARWQCB in 2001 and 2002, respectively.

Post-closure investigations have also been performed at the Site:

- 1) 2009 - in connection with CalTrans's acquisition of a portion of the Site to expand Interstate 5 [Ninyo & Moore, 2009],
- 2) 2012 – 2016 - to evaluate whether CrVI concentrations in soil at the Site indicates a significant past release that may have contributed to the regional contamination [Geosyntec, 2012 and 2016],
- 3) 2016 - to evaluate subsurface conditions throughout the Site in preparation for redevelopment [Leighton, 2016], and
- 4) 2017 - to supplement the Site investigation data and evaluate the subsurface conditions below 30 ft bgs, and above the regional water aquifer.

The review of these investigative results indicates: (i) significant rebound of VOCs in soil vapor samples collected in the central portions of the Site (where former Buildings 11 and 12 were located) at levels similar to those previously investigated and remediated, (ii) elevated concentrations of selected metals in soil in the northwest-central portion of the Site, and (iii) the CrVI concentrations in soil samples did not suggest that historical Site activities had contributed to the groundwater basin's regional CrVI contamination.

The results of the historical and aforementioned environmental investigations at the Site provide sufficient information describing the lateral and vertical extent of VOCs to

facilitate the process of evaluating path forward options to promote the proposed redevelopment project. The areas where elevated metal concentrations were discovered in soil appear localized and will be addressed during Site redevelopment activities. The development of a Soil Contingency and Management Plan, which will be provided to the LARWQCB for review and comment, will facilitate the proposed redevelopment activities should previously unknown areas of contamination be discovered during construction.

6. REFERENCES

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TABLES

TABLE 1
2017 Supplemental Soil Investigation Results
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Sample Location	Sample Depth	Sample Date	Units	Benzene ¹	Tetrachloroethene (PCE)	Toluene	Trichloroethene (TCE)
NP-1	12	10/9/2017	µg/kg	ND< 0.73	ND< 0.73	ND< 0.73	ND< 1.5
	22	10/9/2017	µg/kg	ND< 0.80	ND< 0.80	ND< 0.80	ND< 1.6
	50	10/9/2017	µg/kg	2.9	ND< 0.84	1.4	ND< 1.7
	67	10/9/2017	µg/kg	ND< 0.95	ND< 0.95	ND< 0.95	ND< 1.9
	88	10/9/2017	µg/kg	ND< 0.95	ND< 0.95	ND< 0.95	ND< 1.9
NP-2	6	10/9/2017	µg/kg	ND< 0.97	30	ND< 0.97	ND< 1.9
	28	10/9/2017	µg/kg	ND< 0.88	26	ND< 0.88	ND< 1.8
	36	10/9/2017	µg/kg	1.2	110	ND< 0.87	ND< 1.7
	50	10/10/2017	µg/kg	1.1	65	ND< 0.90	ND< 1.8
	80	10/10/2017	µg/kg	ND< 0.91	12	ND< 0.91	ND< 1.8
NP-3	12	10/10/2017	µg/kg	ND< 1.0	91	ND< 1.0	ND< 2.0
	16	10/10/2017	µg/kg	ND< 47	99	ND< 47	ND< 93
	32	10/10/2017	µg/kg	ND< 48	ND< 48	ND< 48	ND< 96
	46	10/10/2017	µg/kg	ND< 52	ND< 52	ND< 52	ND< 100
NP-4	10	10/11/2017	µg/kg	ND< 49	ND< 49	ND< 49	ND< 97
	18	10/11/2017	µg/kg	ND< 52	ND< 52	ND< 52	ND< 100
	40	10/11/2017	µg/kg	ND< 50	ND< 50	ND< 50	ND< 99
	58	10/11/2017	µg/kg	ND< 59	ND< 59	ND< 59	ND< 120
	80	10/11/2017	µg/kg	ND< 47	ND< 47	ND< 47	ND< 94
NP-5	18	10/11/2017	µg/kg	ND< 48	ND< 48	ND< 48	ND< 97
	36	10/11/2017	µg/kg	ND< 47	ND< 47	ND< 47	ND< 93
	45	10/11/2017	µg/kg	1.3	ND< 0.91	1.6	ND< 1.8
	56	10/11/2017	µg/kg	ND< 0.88	2.4	ND< 0.88	3.0
NP-6	16	10/13/2017	µg/kg	ND< 0.82	ND< 0.82	ND< 0.82	ND< 1.6
	26	10/13/2017	µg/kg	ND< 0.90	ND< 0.90	ND< 0.90	ND< 1.8
	40	10/13/2017	µg/kg	ND< 0.90	ND< 0.90	ND< 0.90	ND< 1.8
	55	10/13/2017	µg/kg	ND< 0.99	ND< 0.99	ND< 0.99	ND< 2.0
	88	10/13/2017	µg/kg	ND< 1.1	ND< 1.1	ND< 1.1	ND< 2.3
NP-7	22	10/12/2017	µg/kg	ND< 0.89	ND< 0.89	ND< 0.89	ND< 1.8
	34	10/12/2017	µg/kg	ND< 0.97	ND< 0.97	ND< 0.97	ND< 1.9
	49	10/12/2017	µg/kg	ND< 0.86	ND< 0.86	ND< 0.86	ND< 1.7

TABLE 1
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Sample Location	Sample Depth	Sample Date	Units	Benzene ¹	Tetrachloroethene (PCE)	Toluene	Trichloroethene (TCE)
NP-8	18	10/12/2017	µg/kg	ND< 0.80	ND< 0.80	ND< 0.80	ND< 1.6
	24	10/12/2017	µg/kg	ND< 0.78	ND< 0.78	ND< 0.78	ND< 1.6
	42	10/12/2017	µg/kg	ND< 0.82	ND< 0.82	ND< 0.82	ND< 1.6
	59	10/12/2017	µg/kg	ND< 44	ND< 83	ND< 84	ND< 88
	81	10/12/2017	µg/kg	ND< 44	120	ND< 44	ND< 89
Equipment Blank	--	10/9/2017	µg/l	ND< 0.50	ND< 1.0	ND< 1.0	ND< 1.0
	--	10/10/2017	µg/l	ND< 0.50	ND< 1.0	ND< 1.0	ND< 1.0
	--	10/11/2017	µg/l	ND< 0.50	ND< 1.0	ND< 1.0	ND< 1.0
	--	10/13/2017	µg/l	ND< 0.50	ND< 1.0	ND< 1.0	ND< 1.0
GSC HHRA Soil RBCs ²			µg/kg	1,000	950	2,400,000	8,400

Notes:

ND< = not detected above the specified Reporting Limit (RL)

µg/kg = microgram per kilogram

µg/l = microgram per liter

Bold = detected above the RL

1. Constituents if not detected above the RL, are not included in this table.

2. Soil RBCs are Risk-Based Soil Concentration from Geosyntec's Human Health Risk Assessment dated May 2017. The RBCs used herein are the most conservative concentration of constituent among the various RBCs calculated for various land uses, receptors and cancer/non-cancer effects.

TABLE 2
Comparing Soil Results with Depth Specific Screening Levels
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Sample Location	Sample Depth	Sample Date	Units	Tetrachloroethene (PCE)		Trichloroethene (TCE)	
				Depth Specific HGC Soil Screening Level ¹	2017 Soil Sampling Results	Depth Specific HGC Soil Screening Level ¹	2017 Soil Sampling Results
NP-1	12	10/9/2017	µg/kg	63	ND< 0.73	63	ND< 1.5
	22	10/9/2017	µg/kg	48	ND< 0.80	48	ND< 1.6
	50	10/9/2017	µg/kg	20	ND< 0.84	20	ND< 1.7
	67	10/9/2017	µg/kg	9	ND< 0.95	9	ND< 1.9
	88	10/9/2017	µg/kg	5	ND< 0.95	5	ND< 1.9
NP-2	6	10/9/2017	µg/kg	78	30	78	ND< 1.9
	28	10/9/2017	µg/kg	48	26	48	ND< 1.8
	36	10/9/2017	µg/kg	34	110	34	ND< 1.7
	50	10/10/2017	µg/kg	20	65	20	ND< 1.8
	80	10/10/2017	µg/kg	6	12	6	ND< 1.8
NP-3	12	10/10/2017	µg/kg	63	91	63	ND< 2.0
	16	10/10/2017	µg/kg	63	99	63	ND< 93 ²
	32	10/10/2017	µg/kg	34	ND< 48 ²	34	ND< 96 ²
	46	10/10/2017	µg/kg	20	ND< 52 ²	20	ND< 100 ²
NP-4	10	10/11/2017	µg/kg	78	ND< 49	78	ND< 97 ²
	18	10/11/2017	µg/kg	63	ND< 52	63	ND< 100 ²
	40	10/11/2017	µg/kg	34	ND< 50 ²	34	ND< 99 ²
	58	10/11/2017	µg/kg	18	ND< 59 ²	18	ND< 120 ²
	80	10/11/2017	µg/kg	6	ND< 47³	6	ND< 94 ²
NP-5	18	10/11/2017	µg/kg	63	ND< 48	63	ND< 97 ²
	36	10/11/2017	µg/kg	34	ND< 47 ²	34	ND< 93 ²
	45	10/11/2017	µg/kg	20	ND< 0.91	20	ND< 1.8
	56	10/11/2017	µg/kg	18	2.4	18	3.0
NP-6	16	10/13/2017	µg/kg	63	ND< 0.82	63	ND< 1.6
	26	10/13/2017	µg/kg	48	ND< 0.90	48	ND< 1.8
	40	10/13/2017	µg/kg	34	ND< 0.90	34	ND< 1.8
	55	10/13/2017	µg/kg	18	ND< 0.99	18	ND< 2.0
	88	10/13/2017	µg/kg	5	ND< 1.1	5	ND< 2.3
NP-7	22	10/12/2017	µg/kg	48	ND< 0.89	48	ND< 1.8
	34	10/12/2017	µg/kg	34	ND< 0.97	34	ND< 1.9
	49	10/12/2017	µg/kg	20	ND< 0.86	20	ND< 1.7

TABLE 2
Comparing Soil Results with Depth Specific Screening Levels
777 N. Front Street
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Sample Location	Sample Depth	Sample Date	Units	Tetrachloroethene (PCE)		Trichloroethene (TCE)	
				Depth Specific HGC Soil Screening Level ¹	2017 Soil Sampling Results	Depth Specific HGC Soil Screening Level ¹	2017 Soil Sampling Results
NP-8	18	10/12/2017	µg/kg	63	ND< 0.80	63	ND< 1.6
	24	10/12/2017	µg/kg	48	ND< 0.78	48	ND< 1.6
	42	10/12/2017	µg/kg	20	ND< 0.82	20	ND< 1.6
	59	10/12/2017	µg/kg	18	< 44 ²	18	ND< 88 ²
	81	10/12/2017	µg/kg	5	120	5	ND< 89⁴

Notes:

Bold = detected above the RL

Highlighted values are above the HGC Screening Levels (SLs)

1. HGC Targeted Soil Cleanup Levels from HGC Work Plan for No Further Action Closure dated 26 June 2000.
2. Although the RL is above the SL, the Method Detection Limit (MDL, Appendix C) is at or below the SL and the analyte was not detected above the MDL.
3. The analyte was detected at an estimated concentration (between MDL and RL) of 20 µg/kg which is above the SL.
4. The analyte was detected at an estimated concentration of 79 µg/kg which is above the SL.

TABLE 3
2017 Supplemental Soil Vapor Investigation Results
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Sample Location	Sample Depth	Sample Date	Units	1,1,1,2-Tetrachloroethane ¹	1,1,1-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	Carbon Tetrachloride	Chloroform	cis-1,2-Dichloroethene	Freon 11/Trichlorofluoromethane	Freon 113	Freon 12/Dichlorodifluoromethane	Tetrachloroethene (PCE)	Toluene	trans-1,2-Dichloroethene	Trichloroethene (TCE)
NP-1	19	11/16/2017	µg/m ³	ND<8	1,100	ND<8	ND<8	ND<8	ND<8	ND<8	ND<8	ND<40	79	26,500	ND<8	ND<8	38
	19 (Replicate)	11/16/2017	µg/m ³	ND<8	1,090	ND<8	ND<8	ND<8	ND<8	ND<8	ND<8	ND<40	90	20,000	ND<8	ND<8	82
	49	11/16/2017	µg/m ³	ND<8	1,010	ND<8	192	ND<8	10	ND<8	ND<8	76	1,720	21,800	ND<8	ND<8	54
	70	11/16/2017	µg/m ³	ND<8	455	ND<8	443	ND<8	21	ND<8	ND<8	98	2,530	13,200	ND<8	ND<8	86
	85	11/16/2017	µg/m ³	11	157	260	1,090	ND<8	22	ND<8	ND<8	ND<40	2,900	46,200	ND<8	ND<8	508
NP-2	15	11/16/2017	µg/m ³	145	ND<8	ND<8	ND<8	ND<8	29	31	ND<8	ND<40	357	1,270,000	ND<8	ND<8	3,350
	37	11/16/2017	µg/m ³	147	ND<8	ND<8	ND<8	ND<8	16	ND<8	ND<8	41	ND<8	1,450,000	ND<8	ND<8	2,600
	51	11/16/2017	µg/m ³	514	ND<8	ND<8	45	ND<8	93	ND<8	ND<8	141	ND<8	3,150,000	10	8	3,990
	81	11/16/2017	µg/m ³	131	ND<8	ND<8	129	ND<8	109	ND<8	ND<8	108	ND<8	1,570,000	ND<8	ND<8	3,380
NP-3	13	11/16/2017	µg/m ³	502	ND<8	ND<8	ND<8	ND<8	83	ND<8	ND<8	ND<40	208	5,120,000	ND<8	10	5,120
	33	11/16/2017	µg/m ³	1,240	8	ND<8	14	ND<8	98	20	ND<8	ND<40	471	8,030,000	20	10	4,790
	53	11/16/2017	µg/m ³	587	ND<8	ND<8	ND<8	ND<8	181	ND<8	ND<8	ND<40	ND<8	3,480,000	ND<8	ND<8	3,210
NP-4	13	11/16/2017	µg/m ³	ND<8	15	ND<8	ND<8	ND<8	ND<8	ND<8	ND<8	ND<40	485	1,890,000	ND<8	ND<8	2,340
	35	11/16/2017	µg/m ³	5,530	ND<8	ND<8	26	ND<8	ND<8	ND<8	ND<8	84	ND<8	1,790,000	ND<8	ND<8	3,430
	51	11/16/2017	µg/m ³	124	ND<8	ND<8	22	ND<8	336	ND<8	ND<8	46	762	684,000	ND<8	ND<8	2,550
	83	11/16/2017	µg/m ³	31	ND<8	ND<8	61	ND<8	1,040	ND<8	ND<8	71	ND<8	781,000	ND<8	ND<8	4,950
NP-5	15	11/16/2017	µg/m ³	ND<8	ND<8	ND<8	ND<8	ND<8	14	ND<8	ND<8	42	303	6,610	ND<8	ND<8	7,320
	35	11/16/2017	µg/m ³	ND<8	ND<8	ND<8	102	ND<8	120	ND<8	ND<8	229	1,940	20,800	ND<8	ND<8	18,900
	57	11/16/2017	µg/m ³	ND<8	ND<8	ND<8	205	ND<8	457	ND<8	ND<8	116	1,070	18,000	ND<8	ND<8	11,700
NP-6	15	11/16/2017	µg/m ³	ND<8	22	ND<8	ND<8	ND<8	ND<8	ND<8	ND<8	ND<40	60	5,580	ND<8	ND<8	13
	40	11/16/2017	µg/m ³	ND<8	ND<8	ND<8	462	ND<8	ND<8	ND<8	ND<8	ND<40	ND<8	5,580	ND<8	ND<8	178
	60	11/16/2017	µg/m ³	ND<8	13	ND<8	502	ND<8	22	ND<8	ND<8	ND<40	329	4,440	ND<8	ND<8	678
	86	11/16/2017	µg/m ³	ND<8	ND<8	ND<8	163	ND<8	ND<8	ND<8	ND<8	ND<40	ND<8	5,220	ND<8	ND<8	173
NP-7	17	11/16/2017	µg/m ³	ND<8	19	ND<8	ND<8	ND<8	ND<8	ND<8	ND<8	53	624	5,450	ND<8	ND<8	28
	17 (Replicate)	11/16/2017	µg/m ³	ND<8	20	ND<8	ND<8	ND<8	ND<8	ND<8	8	55	625	5,920	ND<8	ND<8	20
	35	11/16/2017	µg/m ³	ND<8	14	ND<8	134	ND<8	18	ND<8	18	159	1,830	7,920	ND<8	ND<8	1,160
	53	11/16/2017	µg/m ³	ND<8	20	9	991	14	47	ND<8	ND<8	117	1,040	8,410	ND<8	ND<8	3,080

TABLE 3
2017 Supplemental Soil Vapor Investigation Results
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Sample Location	Sample Depth	Sample Date	Units	1,1,1,2-Tetrachloroethane ¹	1,1,1-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	Carbon Tetrachloride	Chloroform	cis-1,2-Dichloroethene	Freon 11/Trichlorofluoromethane	Freon 113	Freon 12/Dichlorodifluoromethane	Tetrachloroethene (PCE)	Toluene	trans-1,2-Dichloroethene	Trichloroethene (TCE)
NP-8	17	11/16/2017	µg/m ³	ND<8	225	ND<8	ND<8	30	ND<8	ND<8	ND<8	ND<40	33	2,290	ND<8	ND<8	ND<8
	37	11/16/2017	µg/m ³	ND<8	250	ND<8	109	34	ND<8	ND<8	ND<8	ND<40	184	3,440	ND<8	ND<8	18
	37 (Replicate)	11/16/2017	µg/m ³	ND<8	242	ND<8	103	32	ND<8	ND<8	ND<8	ND<40	181	2,900	ND<8	ND<8	17
	57	11/16/2017	µg/m ³	ND<8	197	ND<8	1,210	9	ND<8	ND<8	ND<8	105	363	3,370	ND<8	ND<8	429
	80	11/16/2017	µg/m ³	ND<8	196	30	3,840	27	28	ND<8	ND<8	186	450	5,980	ND<8	ND<8	2,310
GSC HHRA Soil Vapor RBCs ²			µg/m ³	5,100	11,000,000	14,000	570,000	NA	1,100	64,000	13,000,000	550,000,000	930,000	6,000	2,700,000	NA	4,700

Notes:

ND< = not detected above the specified Reporting Limit (RL)

µg/m³ = microgram per cubic meter

Bold = detected above the RL, highlighted values exceed GSC HHRA Soil Vapor RBCs

1. Constituents if not detected above the RL are not included in this table.
2. Soil Vapor RBCs are Risk-Based Soil Vapor Concentration from Geosyntec's Human Health Risk Assessment dated May 2017. The RBCs used herein are the most conservative concentration of constituent among the various RBCs calculated for various receptors, building floor scenarios, soil vapor concentration depth and cancer/non-cancer effects.

TABLE 4
Comparing Soil Vapor Results with Depth Specific Screening Levels
777 N. Front Street
Burbank, California
Page 1 of 2

Sample Location	Sample Depth	Sample Date	Units	1,1,1-Trichloroethane		1,1-Dichloroethene		Tetrachloroethene (PCE)			Trichloroethene (TCE)		
				Depth Specific HGC Soil Vapor Screening Level ¹	2017 Soil Vapor Sampling Results	Depth Specific HGC Soil Vapor Screening Level ¹	2017 Soil Vapor Sampling Results	Depth Specific HGC Soil Vapor Screening Level ¹	Depth Specific GSC HHRA RBC ²	2017 Soil Vapor Sampling Results	Depth Specific HGC Soil Vapor Screening Level ¹	Depth Specific GSC HHRA RBC ²	2017 Soil Vapor Sampling Results
NP-1	19	16-Nov-17	µg/m ³	385,000	1,100	150,000	ND<8	71,000	27,000	26,500	28,000	20,000	38
	19 (Replicate)	16-Nov-17	µg/m ³	385,000	1,090	150,000	ND<8	71,000	27,000	20,000	28,000	20,000	82
	49	16-Nov-17	µg/m ³	120,000	1,010	50,000	192	22,000	NA	21,800	10,000	NA	54
	70	16-Nov-17	µg/m ³	55,000	455	25,000	443	10,000	NA	13,200	6,000	NA	86
	85	16-Nov-17	µg/m ³	30,000	157	12,000	1,090	6,000	NA	46,200	3,000	NA	508
NP-2	15	16-Nov-17	µg/m ³	385,000	ND<8	150,000	ND<8	71,000	23,000	1,270,000	28,000	18,000	3,350
	37	16-Nov-17	µg/m ³	205,000	ND<8	80,000	ND<8	38,000	33,000	1,450,000	15,000	25,000	2,600
	51	16-Nov-17	µg/m ³	105,000	ND<8	45,000	45	20,000	NA	3,150,000	9,000	NA	3,990
	81	16-Nov-17	µg/m ³	30,000	ND<8	12,000	129	6,000	NA	1,570,000	3,000	NA	3,380
NP-3	13	16-Nov-17	µg/m ³	385,000	ND<8	150,000	ND<8	71,000	23,000	5,120,000	28,000	18,000	5,120
	33	16-Nov-17	µg/m ³	205,000	8	80,000	14	38,000	33,000	8,030,000	15,000	25,000	4,790
	53	16-Nov-17	µg/m ³	105,000	ND<8	45,000	ND<8	20,000	NA	3,480,000	9,000	NA	3,210
NP-4	13	16-Nov-17	µg/m ³	385,000	15	150,000	ND<8	71,000	23,000	1,890,000	28,000	18,000	2,340
	35	16-Nov-17	µg/m ³	205,000	ND<8	80,000	26	38,000	33,000	1,790,000	15,000	25,000	3,430
	51	16-Nov-17	µg/m ³	105,000	ND<8	45,000	22	20,000	NA	684,000	9,000	NA	2,550
	83	16-Nov-17	µg/m ³	30,000	ND<8	12,000	61	6,000	NA	781,000	3,000	NA	4,950
NP-5	15	16-Nov-17	µg/m ³	385,000	ND<8	150,000	ND<8	71,000	23,000	6,610	28,000	18,000	7,320
	35	16-Nov-17	µg/m ³	205,000	ND<8	80,000	102	38,000	33,000	20,800	15,000	25,000	18,900
	57	16-Nov-17	µg/m ³	105,000	ND<8	45,000	205	20,000	NA	18,000	9,000	NA	11,700
NP-6	15	16-Nov-17	µg/m ³	385,000	22	150,000	ND<8	71,000	23,000	5,580	28,000	18,000	13
	40	16-Nov-17	µg/m ³	205,000	ND<8	80,000	462	38,000	33,000	5,580	15,000	25,000	178
	60	16-Nov-17	µg/m ³	105,000	13	45,000	502	20,000	NA	4,440	9,000	NA	678
	86	16-Nov-17	µg/m ³	30,000	ND<8	12,000	163	6,000	NA	5,220	3,000	NA	173
NP-7	17	16-Nov-17	µg/m ³	385,000	19	150,000	ND<8	71,000	23,000	5,450	28,000	18,000	28
	17 (Replicate)	16-Nov-17	µg/m ³	385,000	20	150,000	ND<8	71,000	23,000	5,920	28,000	18,000	20
	35	16-Nov-17	µg/m ³	205,000	14	80,000	134	38,000	33,000	7,920	15,000	25,000	1,160
	53	16-Nov-17	µg/m ³	105,000	20	45,000	991	20,000	NA	8,410	9,000	NA	3,080

TABLE 4
Comparing Soil Vapor Results with Depth Specific Screening Levels
777 N. Front Street
Burbank, California
Page 2 of 2

Sample Location	Sample Depth	Sample Date	Units	1,1,1-Trichloroethane		1,1-Dichloroethene		Tetrachloroethene (PCE)			Trichloroethene (TCE)		
				Depth Specific HGC Soil Vapor Screening Level ¹	2017 Soil Vapor Sampling Results	Depth Specific HGC Soil Vapor Screening Level ¹	2017 Soil Vapor Sampling Results	Depth Specific HGC Soil Vapor Screening Level ¹	Depth Specific GSC HHRA RBC ²	2017 Soil Vapor Sampling Results	Depth Specific HGC Soil Vapor Screening Level ¹	Depth Specific GSC HHRA RBC ²	2017 Soil Vapor Sampling Results
NP-8	17	16-Nov-17	µg/m ³	385,000	225	150,000	ND<8	71,000	23,000	2,290	28,000	18,000	ND<8
	37	16-Nov-17	µg/m ³	205,000	250	80,000	109	38,000	33,000	3,440	15,000	25,000	18
	37 (Replicate)	16-Nov-17	µg/m ³	205,000	242	80,000	103	38,000	33,000	2,900	15,000	25,000	17
	57	16-Nov-17	µg/m ³	105,000	197	45,000	1,210	20,000	NA	3,370	9,000	NA	429
	80	16-Nov-17	µg/m ³	40,000	196	15,000	3,840	7,000	NA	5,980	4,000	NA	2,310

Notes:

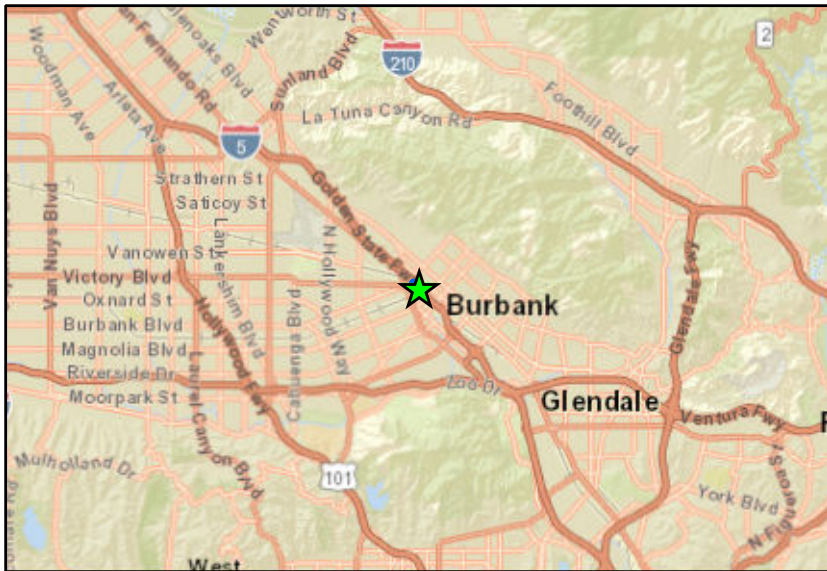
Bold = detected above the RL

Highlighted values either exceeds HGC Screening Levels or Depth Specific GSC HHRA RBCs

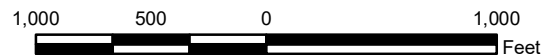
1. HGC Equivalent Soil Gas Concentrations for Targeted Soil Cleanup Levels from HGC Work Plan for No Further Action Closure dated 26 June 2000.

2. Since PCE and TCE concentrations exceeded the worst case scenario soil vapor screening levels (calculated for concentrations at 4 ft bgs as shown in Table 3), the nearest depth specific RBC was instead used for comparison in this table from Geosyntec's Human Health Risk Assessment dated May 2017.

FIGURES



Site Location
777 North Front Street
 Burbank, California



Legend

 Site Boundary

Sources: Esri, HERE, Garmin, USGS, Intermap,

Geosyntec
 consultants

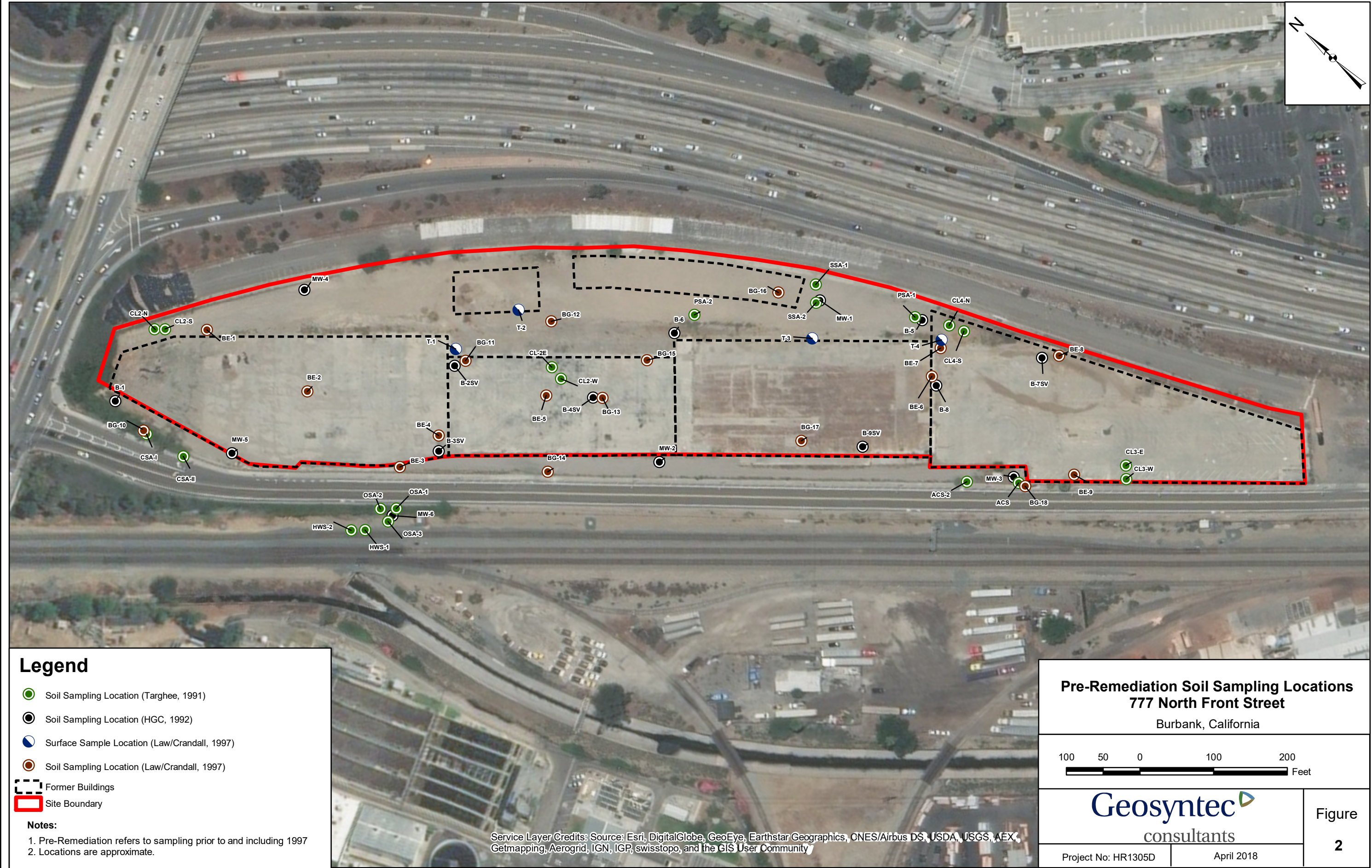
Figure

1

HR1305D

April 2018

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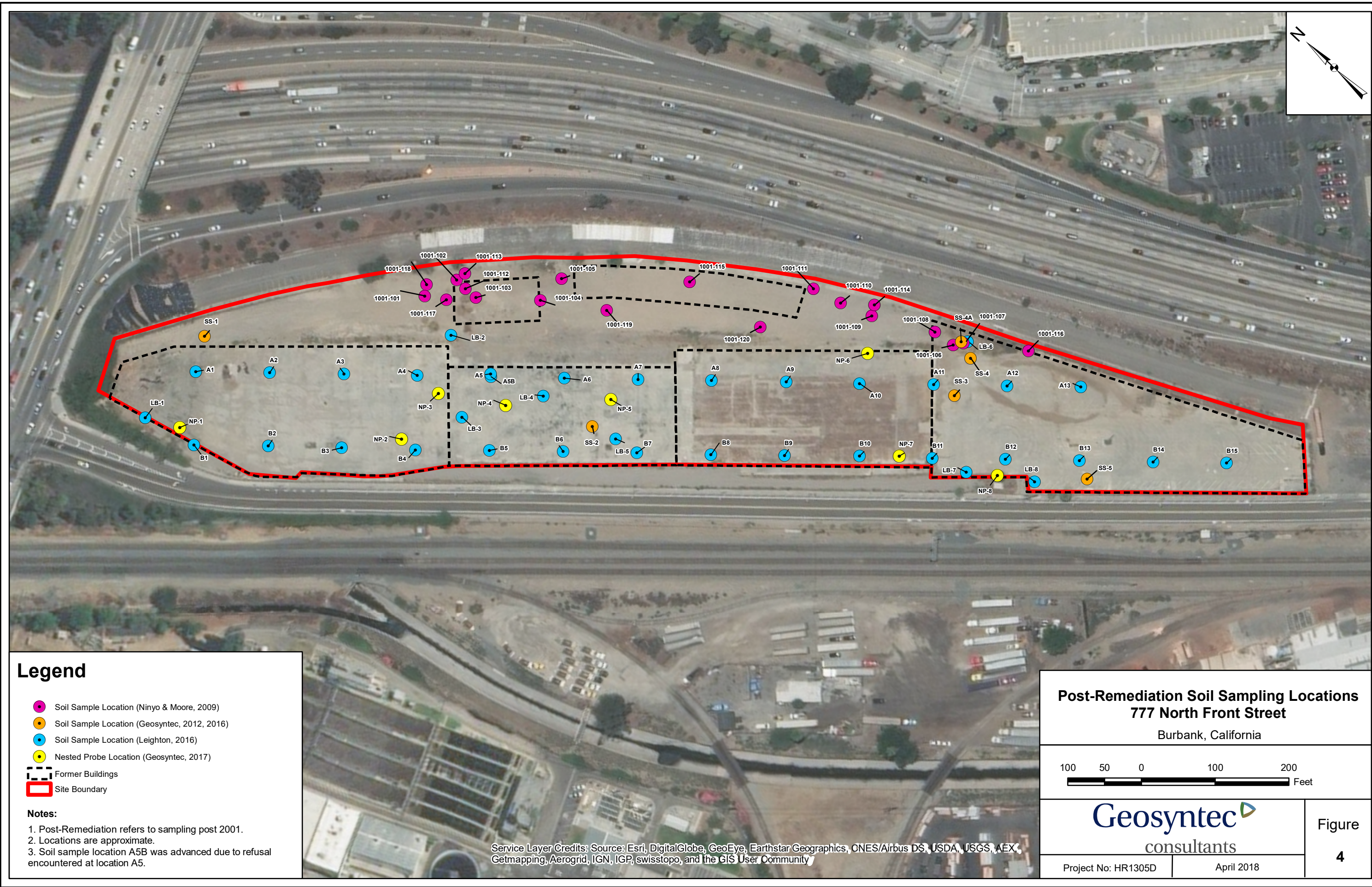
Legend

- Pre-Remediation Soil Vapor Sample Locations**
- ▲ (HGC, February 1992)
 - ▲ (HGC, September 1992)
 - ▲ (HGC, 22 February 1995)
 - ▲ (HGC, 23 February 1995)
 - ▲ (HGC, August 1999)
 - ▲ (HGC, April 2001)
- Former Buildings**
- Site Boundary**

Notes:

1. Pre-Remediation refers to sampling prior to and including 2001.
2. Locations are approximate.
3. Sample locations may have been sampled multiple times.

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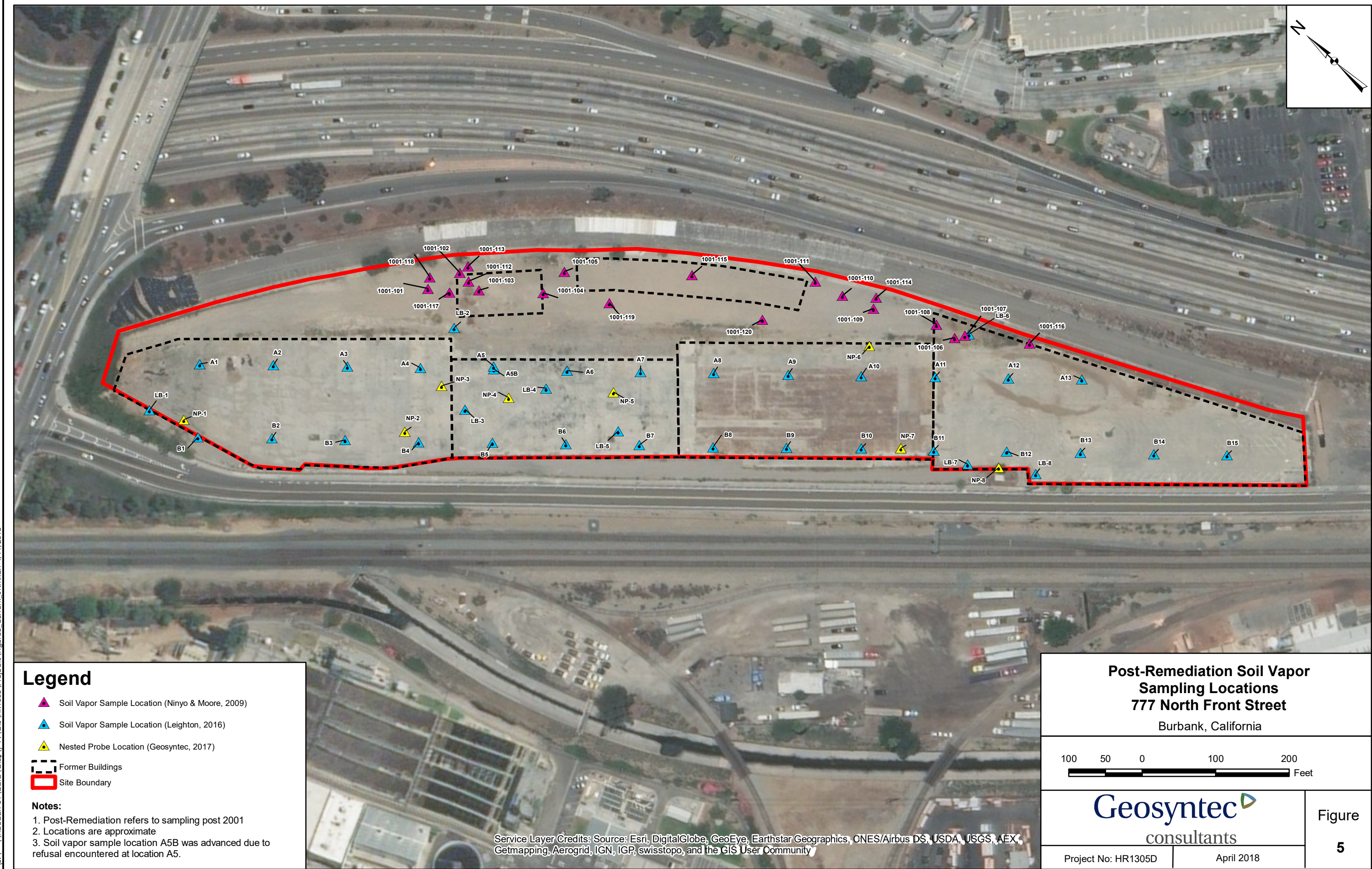
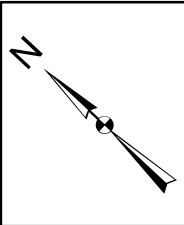
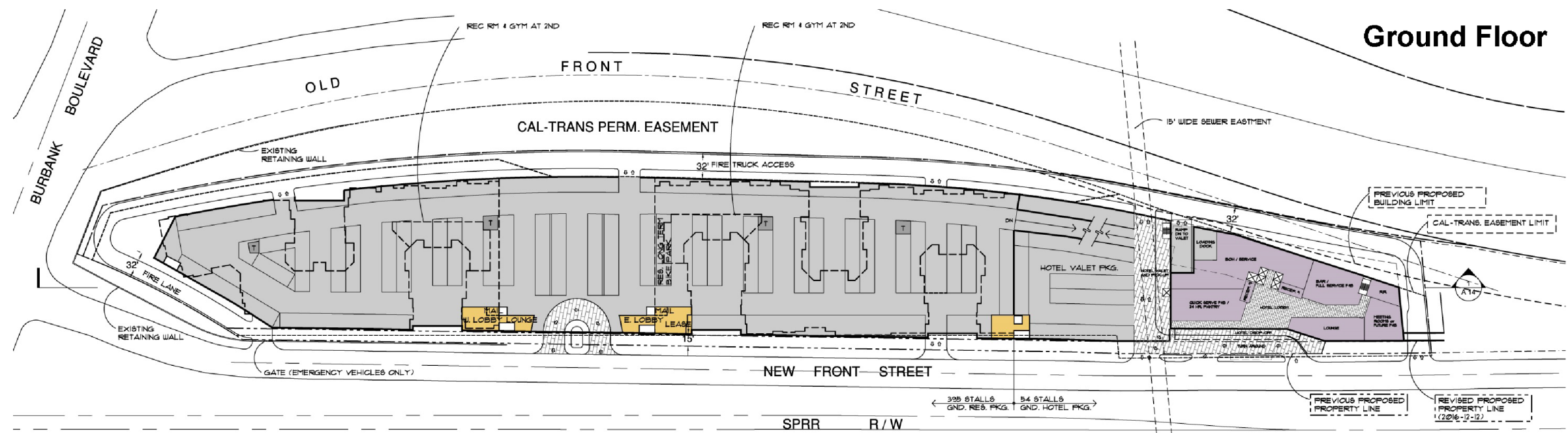
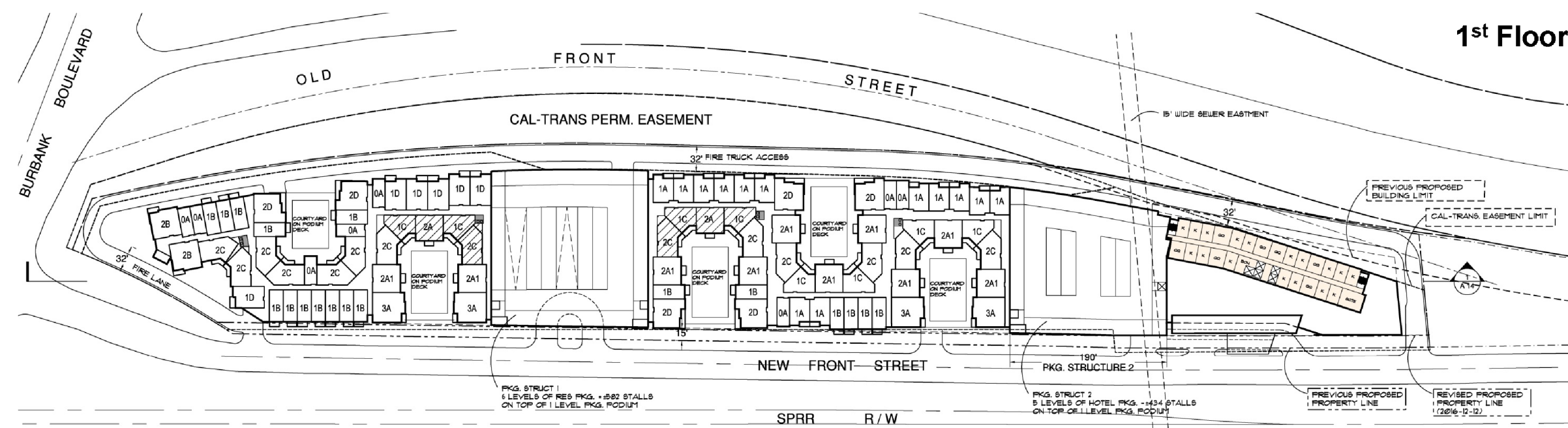
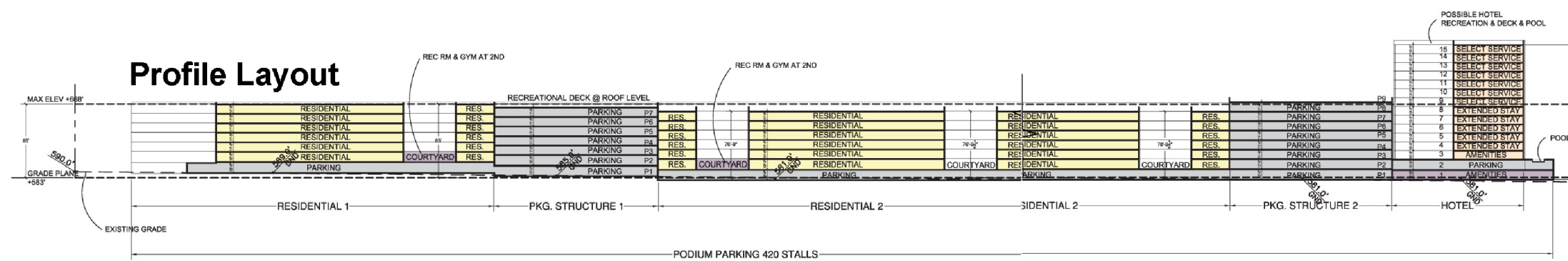


Figure
5

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Redevelopment Plan
777 North Front Street
Burbank, California

Geosyntec

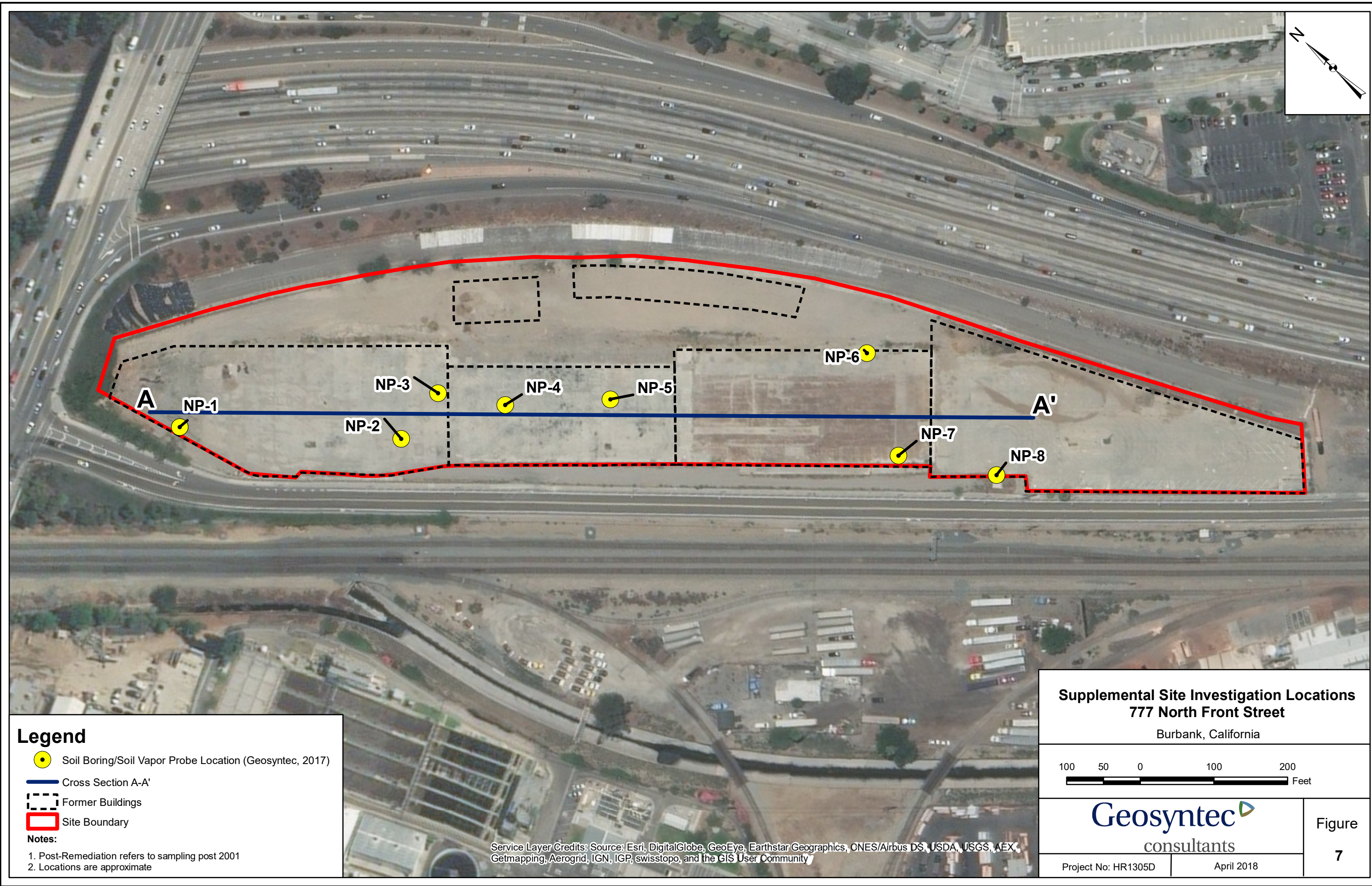
consultants

Project No: HR1305D

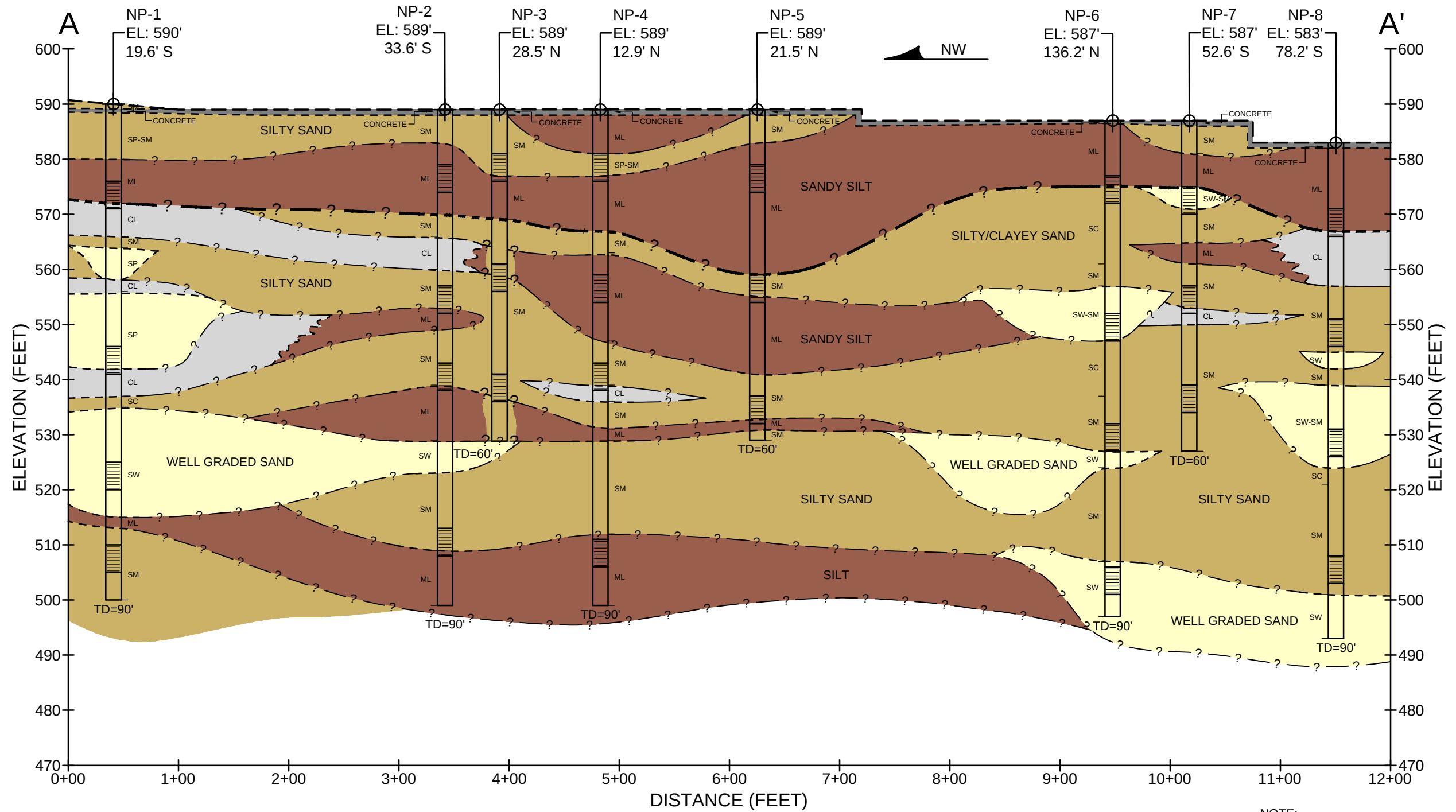
April 2018

Figure
6

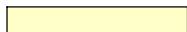
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LEGEND

-  PROJECTED LOCATION OF BORING
-  CONCRETE
-  WELL GRADED SANDS (SW) AND POORLY GRADED SANDS (SP)
-  SILTY SANDS (SM) AND CLAYEY SANDS (SC)
-  SILTS AND SANDY SILTS (ML)
-  CLAYS AND SANDY CLAY (CL)
-  PROBE SCREEN

NOTE:

- SUBSURFACE CONDITIONS VARY AWAY FROM BORING LOCATIONS AND WITH PASSAGE OF TIME.
- CROSS SECTION A-A' SHOWN IN PLAN VIEW IN FIGURE 7.

0 100
HORIZONTAL SCALE

0 20
VERTICAL SCALE

STRATIGRAPHIC CROSS SECTION A-A'
777 N. FRONT STREET
BURBANK, CALIFORNIA

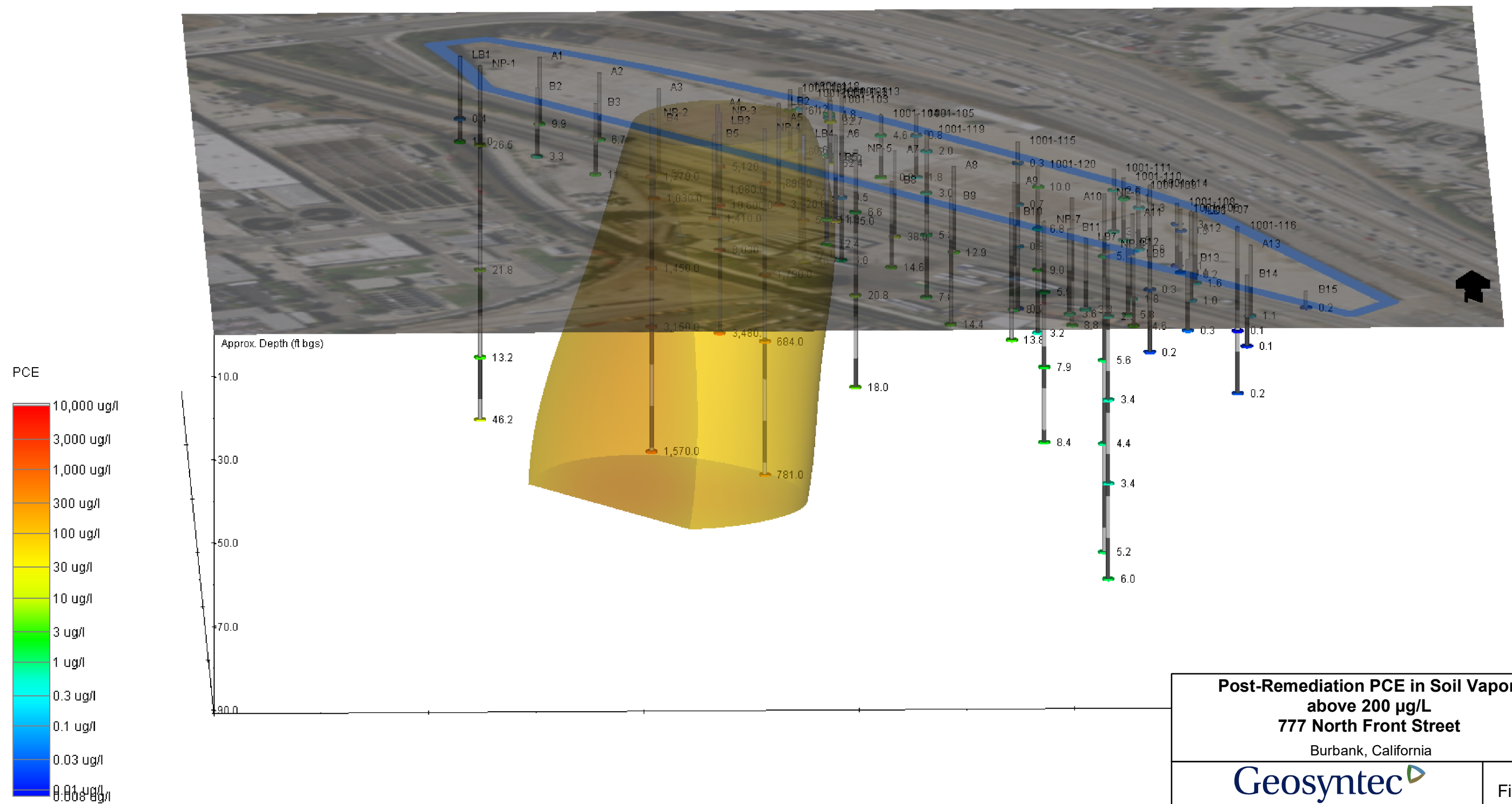
Geosyntec
consultants

PROJECT NO: HR1305D

APRIL 2018

FIGURE

8



APPENDICES

APPENDIX A

Boring Logs

KEY SHEET - CLASSIFICATIONS AND SYMBOLS

GS FORM:
KEYW 10/90 10/90

EMPIRICAL CORRELATIONS WITH STANDARD PENETRATION RESISTANCE N VALUES *

	N VALUE * (BLOWS/FT)	CONSISTENCY	UNCONFINED COMPRESSIVE STRENGTH (TONS/SQ FT)		N VALUE * (BLOWS/FT)	RELATIVE DENSITY
FINE GRAINED SOILS	0 - 2	VERY SOFT	<0.25	COARSE GRAINED SOILS	0 - 4	VERY LOOSE
	3 - 4	SOFT	0.25 - 0.50		5 - 10	LOOSE
	5 - 8	FIRM	0.50 - 1.00		11 - 30	MEDIUM DENSE
	9 - 15	STIFF	1.00 - 2.00		31 - 50	DENSE
	16 - 30	VERY STIFF	2.00 - 4.00		>50	VERY DENSE
	31 - 50	HARD	>4.00			
	>50	VERY HARD				

* ASTM D 1586; NUMBER OF BLOWS OF 140 POUND HAMMER FALLING 30 INCHES TO DRIVE A 2 IN. O.D., 1.4 IN. I.D. SAMPLER ONE FOOT.

UNIFIED SOIL CLASSIFICATION AND SYMBOL CHART

MAJOR DIVISIONS			SYMBOLS	DESCRIPTIONS
COARSE GRAINED SOILS	GRAVEL AND GRAVELLY SOILS	CLEAN GRAVELS	GW	WELL-GRADED GRAVELS, GRAVEL-SAND MIXTURES, LITTLE OR NO FINES
		LITTLE OR NO FINES	GP	POORLY GRADED GRAVELS, GRAVEL-SAND MIXTURES, LITTLE OR NO FINES
		GRAVELS WITH FINES	GM	SILTY GRAVELS, GRAVEL- SAND-SILT MIXTURES
	SAND AND SANDY SOILS	GRAVELS WITH FINES	GC	CLAYEY GRAVELS, GRAVEL- SAND-CLAY MIXTURES
		CLEAN SANDS	SW	WELL GRADED SANDS, GRAVELLY SANDS, LITTLE OR NO FINES
		LITTLE OR NO FINES	SP	POORLY GRADED SANDS, GRAVELLY SANDS, LITTLE OR NO FINES
FINE GRAINED SOILS	SAND AND SANDY SOILS	SANDS WITH FINES	SM	SILTY SANDS, SAND-SILT MIXTURES
		APPRECIABLE AMOUNT OF FINES	SC	CLAYEY SANDS, SAND-CLAY MIXTURES
		APPRECIABLE AMOUNT OF FINES	ML	INORGANIC SILTS AND VERY FINE SANDS, ROCK FLOUR, SILTY OR CLAYEY FINE SANDS OR CLAYEY SILTS WITH SLIGHT PLASTICITY
	SILTS AND CLAYS	LIQUID LIMIT LESS THAN 50	CL	INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY, GRAVELLY CLAYS, SANDY CLAYS, SILTY CLAYS, LEAN CLAYS
		LIQUID LIMIT LESS THAN 50	OL	ORGANIC SILTS AND ORGANIC SILTY CLAYS OF LOW PLASTICITY
		LIQUID LIMIT LESS THAN 50	MH	INORGANIC SILTS, MICACEOUS OR DIATOMACEOUS FINE SANDY OR SILTY SOILS, ELASTIC SILT
HIGHLY ORGANIC SOILS	SILTS AND CLAYS	LIQUID LIMIT GREATER THAN 50	CH	INORGANIC CLAYS OF HIGH PLASTICITY, FAT CLAYS
		LIQUID LIMIT GREATER THAN 50	OH	ORGANIC CLAYS OF MEDIUM TO HIGH PLASTICITY, ORGANIC SILTS
		LIQUID LIMIT GREATER THAN 50	PT	PEAT, HUMUS, SWAMP SOILS WITH HIGH ORGANIC CONTENT
		LIQUID LIMIT GREATER THAN 50		

NOTE: DUAL SYMBOLS USED FOR BORDERLINE CLASSIFICATIONS

PARTICLE SIZE IDENTIFICATION

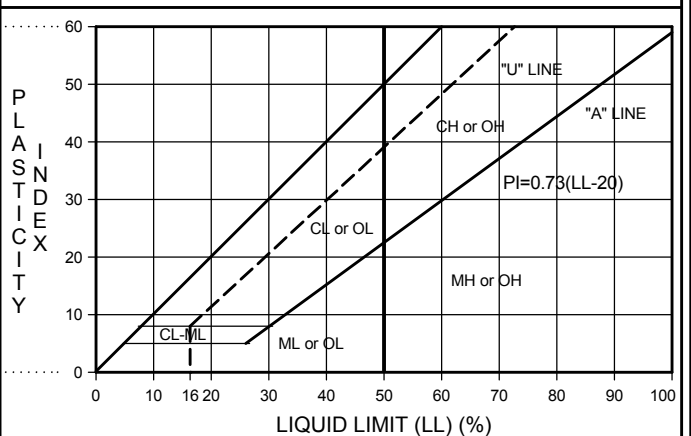
USCS (SOILS ONLY) *		SEDIMENTARY (ROCK ONLY)	
BOULDER	>300 mm	BOULDER	>256 mm
COBBLE	75 - 300 mm	COBBLE	64 - 256 mm
GRAVEL: COARSE	20 - 75 mm	PEBBLE	4 - 64 mm
GRAVEL: FINE	4.75 - 20 mm	GRANULE	2 - 4 mm
SAND: COARSE	2 - 4.75 mm	SAND: V. COARSE	1 - 2 mm
SAND: MEDIUM	0.42 - 2 mm	SAND: COARSE	0.5 - 1 mm
SAND: FINE	0.074 - 0.42 mm	SAND: MEDIUM	0.25 - 0.5 mm
SILT/CLAY	<0.074 mm	SAND: FINE	0.125 - 0.25 mm
		SAND: V. FINE	0.063 - 0.125 mm
		SILT	0.004 - 0.063 mm
		CLAY	<0.004 mm

* WELL GRADED - HAVING WIDE RANGE OF GRAIN SIZES AND APPRECIABLE AMOUNTS OF ALL INTERMEDIATE PARTICLE SIZES

* POORLY GRADED - PREDOMINANTLY ONE GRAIN SIZE, OR HAVING A RANGE OF SIZES WITH SOME INTERMEDIATE SIZES MISSING

PERCENTAGE OF PARTICLE TYPE IN DECREASING ORDER OF PARTICLE SIZE (GRAVEL, SAND, FINES)

PLASTICITY CHART



OTHER MATERIAL SYMBOLS

Siltstone	Sand
Sandstone	Silt
Siltstone/Claystone	Silty Sand to Sand with Silt
Claystone	Landslide Debris
Shale	Artificial Fill
Siltstone/Sandstone	Refuse
Conglomerate	
Granite	

WELL SYMBOLS

BENTONITE SEAL
GROUT
FILTER PACK
SAND PACK
NATIVE/SLUFF
CONCRETE
CENTRAL-IZER

SAMPLER AND OTHER SYMBOLS

BULK SAMPLE	VANE SHEAR TEST
WASH SAMPLE	Water Level at Time Drilling, or as Shown
STANDARD PENETRATION TEST	Water Level After 24 Hours, or as Shown
SHELBY TUBE	Loss Drilling Fluid
SHELBY TUBE, NO RECOVERY	PP Pocket Penetrometer
PISTON SAMPLE	TV Torvane
PISTON SAMPLE, NO RECOVERY	PID Photolonization Detector
ROCK CORE	CGI Combustion Gas Indicator
	ppm Parts Per Million

GS FORM:
WELL BORE 01/04

BOREHOLE LOG

DEPTH (ft-bgs)	DESCRIPTION 1) Unit/Formation, Mem.6) Plasticity 2) USCS Name 7) Density/Consistency 3) Color 8) Structure 4) Moisture 9) Other (Mineralization, 5) Percent Grain Size Discoloration, Odor, etc.)	GRAPHIC LOG	WELL LOG	GROUNDWATER OR STRUCTURE	ELEVATION (ft)	SAMPLE					COMMENTS 1) Rig Behavior 2) Air Monitoring	
						SAMPLE NO.	TYPE	BLOW COUNT	RECOVERY (%)	PID/FID (ppm)		TIME (00:00)
	Silty Sand with Gravel (SM); pale brownish grey; dry; fine sand; loose.										08:30	10/09/17 - Begin concrete coring/ hand augering
	Concrete ~5"											
	Poorly Graded Sand with Silt (SP-SM); strong brown; slightly moist; fine sand; (5, 85, 10).											Cobbles - hard to hand auger
5											09:05	Begin drilling
										0.1		
										0.4		
10	Silt (ML); strong brown; moist; trace fine sand; (0, 5, 95); low plasticity.									0.4		
						NP-1-12				1	09:20	
										0.6		
15	Sandy Silt (ML); strong brown; moist; fine sand; (0, 30, 70); low plasticity.									0		
										1.6		
20	Lean Clay with Sand (CL); strong brown; moist; fine sand; (0, 15, 85); medium plasticity.									0		
						NP-1-22				4.2	09:40	
										1.3		
25	Silty Sand (SM); brown; moist; fine sand; (0, 60, 40).									0.4		
										1.4		
	Poorly Graded Sand (SP); pale brown; moist; fine grained; (0, 95, 5).											
30												

CONTRACTOR BC2 Environmental
EQUIPMENT T150
DRILL MTHD Sonic
DIAMETER 7.75"/ 6"/ 4.5" OD
LOGGER G. Wharton

NORTHING
EASTING
COORDINATE SYSTEM:
REVIEWER S. Siciliano, P.G., C.E.G.

NOTES: Soil samples were collected using USEPA SW-846 Method 5035 compliant Terra Core™ samplers.

SEE KEY SHEET FOR SYMBOLS AND ABBREVIATIONS

GS FORM:
WELL BORE 01/04

BOREHOLE LOG

DEPTH (ft-bgs)	DESCRIPTION 1) Unit/Formation, Mem.6) Plasticity 2) USCS Name 7) Density/Consistency 3) Color 8) Structure 4) Moisture 9) Other (Mineralization, 5) Percent Grain Size Discoloration, Odor, etc.)	GRAPHIC LOG	WELL LOG	GROUNDWATER OR STRUCTURE	ELEVATION (ft)	SAMPLE					COMMENTS 1) Rig Behavior 2) Air Monitoring	
						SAMPLE NO.	TYPE	BLOW COUNT	RECOVERY (%)	PID/FID (ppm)		TIME (00:00)
	Poorly Graded Sand (SP); same as above.									0.4		
	Lean Clay with Sand (CL); brown; moist; fine to medium sand; (0, 35, 65); low plasticity.									0.4		
35	Poorly Graded Sand (SP); pale brown to pale grey; moist; fine grained; (0, 95, 5).									0.2		
										0.8		
										2.6		
40										5.4		
										2.4		
45	@45' - Color change to brown.									4.2		
	Clay (CL); brown; moist; with fine sand; (0, 5, 95); medium plasticity.									8.6		
50	Lean Clay with Sand (CL); brown; moist; fine sand; (0, 30, 70).					NP-1-50	☒			26.1	10:15	Core material hot to the touch @50' - Telescope to 6" diameter core barrel
										10.1		
	Clayey Sand (SC); brown; moist; fine grained; (0, 60, 40).									3.4		
55	Well Graded Sand (SW); pale orange brown to pale grey; moist; fine to medium sand; trace fine gravel to cobbles; (5, 95, 0).									4		
60												

CONTRACTOR BC2 Environmental
EQUIPMENT T150
DRILL MTHD Sonic
DIAMETER 7.75"/ 6"/ 4.5" OD
LOGGER G. Wharton

NORTHING
EASTING
COORDINATE SYSTEM:
REVIEWER S. Siciliano, P.G., C.E.G

NOTES: Soil samples were collected using USEPA SW-846 Method 5035 compliant Terra Core™ samplers.

SEE KEY SHEET FOR SYMBOLS AND ABBREVIATIONS

BOREHOLE LOG

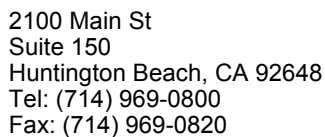
DEPTH (ft-bgs)	DESCRIPTION 1) Unit/Formation, Mem.6) Plasticity 2) USCS Name 7) Density/Consistency 3) Color 8) Structure 4) Moisture 9) Other (Mineralization, 5) Percent Grain Size Discoloration, Odor, etc.)	GRAPHIC LOG	WELL LOG	GROUNDWATER OR STRUCTURE	ELEVATION (ft)	SAMPLE					COMMENTS 1) Rig Behavior 2) Air Monitoring		
						SAMPLE NO.	TYPE	BLOW COUNT	RECOVERY (%)	PID/FID (ppm)		TIME (00:00)	
	Well Graded Sand (SW); same as above.										7.5		
	@62' - ~1 ft thick clayey sand (SC) layer; (0, 70, 30).										4.8		
	Well Graded Sand (SW); pale orange brown to pale grey; moist; fine to medium sand; trace fine gravel to cobbles; (5, 95, 0).										4.5		
65													
							NP-1-67				15.3	10:45	
											2.4		Core material hot to the touch
											9.2		
75	Sandy Silt (ML); pale greyish brown; moist; fine to coarse sand; (5, 30, 65).										3.5		
	Silty Sand (SM); strong brown; moist; fine to coarse sand; (5, 60, 35).										1.8		
80											2.6		@80' - Telescope to 4.5" diameter core barrel
											2.3		
85											1.5		
							NP-1-88				3	11:40	
90	Total Depth = 90 ft bgs			Groundwater not encountered								11:45	10/09/17 - Terminate boring

CONTRACTOR BC2 Environmental
EQUIPMENT T150
DRILL MTHD Sonic
DIAMETER 7.75"/ 6"/ 4.5" OD
LOGGER G. Wharton

NORTHING
EASTING
COORDINATE SYSTEM:
REVIEWER S. Siciliano, P.G., C.E.G

NOTES: Soil samples were collected using USEPA SW-846 Method 5035 compliant Terra Core™ samplers.

SEE KEY SHEET FOR SYMBOLS AND ABBREVIATIONS



BOREHOLE LOG

SHEET 1 OF 3

ELEVATION DATA:

GROUND SURF. (Ft)

TOP OF CASING (Ft)

DATUM

07-WELL BORE HR1305D - SV PROBES.GPJ GEOSNTEC.GDT 10/25/17

NORTHING
EASTING
COORDINATE SYSTEM:

SEE KEY SHEET FOR SYMBOLS AND ABBREVIATIONS

GS FORM:
WELL BORE 01/04

BOREHOLE LOG

DEPTH (ft-bgs)	DESCRIPTION 1) Unit/Formation, Mem.6) Plasticity 2) USCS Name 7) Density/Consistency 3) Color 8) Structure 4) Moisture 9) Other (Mineralization, 5) Percent Grain Size Discoloration, Odor, etc.)	GRAPHIC LOG	WELL LOG	GROUNDWATER OR STRUCTURE	ELEVATION (ft)	SAMPLE					COMMENTS 1) Rig Behavior 2) Air Monitoring	
						SAMPLE NO.	TYPE	BLOW COUNT	RECOVERY (%)	PID/FID (ppm)		TIME (00:00)
	Silty Sand (SM); pale grey to pale brown; dry to slightly moist; fine sand; trace fine gravel; (5, 70, 25).					NP-2-36				9.6		End for the day 10/10/17 - Resume drilling. Telescope to 6" OD core barrel
					1							
35					2.8							
	Silt (ML); pale brownish grey; moist; trace fine sand; (0, 5, 95), low plasticity.				19.2					17:00		
					2.8							
40	Well Graded Sand (SW); pale brownish grey; dry to slightly moist; (0, 95, 5).				17.6	07:55						
					11.1							
45					10.7							
					29.3							
50	Silt (ML); strong brown; moist; trace fine sand; (0, 5, 95); medium plasticity.				14.5	08:25						
					10.2							
55	Sandy Silt (ML); pale olive brown to strong brown; moist; fine sand; (0, 30, 70); low plasticity.											

CONTRACTOR BC2 Environmental
EQUIPMENT T150
DRILL MTHD Sonic
DIAMETER 7.75"/ 6"/ 4.5" OD
LOGGER G. Wharton

NORTHING
EASTING
COORDINATE SYSTEM:
REVIEWER S. Siciliano, P.G., C.E.G

NOTES: Soil samples were collected using USEPA SW-846 Method 5035 compliant Terra Core™ samplers.

SEE KEY SHEET FOR SYMBOLS AND ABBREVIATIONS

GS FORM:
WELL BORE 01/04

BOREHOLE LOG

DEPTH (ft-bgs)	DESCRIPTION 1) Unit/Formation, Mem.6) Plasticity 2) USCS Name 7) Density/Consistency 3) Color 8) Structure 4) Moisture 9) Other (Mineralization, 5) Percent Grain Size Discoloration, Odor, etc.)	GRAPHIC LOG	WELL LOG	GROUNDWATER OR STRUCTURE	ELEVATION (ft)	SAMPLE					COMMENTS 1) Rig Behavior 2) Air Monitoring	
						SAMPLE NO.	TYPE	BLOW COUNT	RECOVERY (%)	PID/FID (ppm)		TIME (00:00)
65	Well Graded Sand with Gravel (SW); pale grey to pale orange brown; moist; fine sand to cobbles; trace silt; (30, 65, 5); rounded to subangular plutonic rock clasts.									2.9		
										12.7		
	Silty Sand (SM); pale olive brown to orange brown; dry to slightly moist; fine to coarse sand; little fine gravel; (10, 60, 30).									12.7		
70										2.4		
										9.5		
										8.4		
75										8.9		
80	Silt (ML); olive brown; slightly moist; with fine sand; (0, 10, 90); low plasticity.					NP-2-80	⊗			5.6	09:55	Telescope to 4.5" core barrel
										1.2		
85	Sandy Silt with Gravel (ML); pale grey; slightly moist; fine to coarse sand; fine to coarse gravel; (15, 35, 50).									1.1		
										2.3		
90	Total Depth = 90 ft bgs			Groundwater not encountered							10:00	10/09/17 - Terminate boring

CONTRACTOR BC2 Environmental
EQUIPMENT T150
DRILL MTHD Sonic
DIAMETER 7.75"/ 6"/ 4.5" OD
LOGGER G. Wharton

NORTHING
EASTING
COORDINATE SYSTEM:
REVIEWER S. Siciliano, P.G., C.E.G

NOTES: Soil samples were collected using USEPA SW-846 Method 5035 compliant Terra Core™ samplers.

SEE KEY SHEET FOR SYMBOLS AND ABBREVIATIONS



2100 Main St
Suite 150
Huntington Beach, CA 92648
Tel: (714) 969-0800
Fax: (714) 969-0820

BORING NP-3
START DRILL DATE Oct 10, 17
FINISH DRILL DATE Oct 10, 17
LOCATION Burbank, CA
PROJECT 777 N. Front St.
NUMBER HR1305D-01

SHEET 1 OF 2
ELEVATION DATA:
GROUND SURF. (Ft)
TOP OF CASING (Ft)
DATUM

GS FORM:
WELL BORE 01/04

BOREHOLE LOG

DEPTH (ft-bgs)	DESCRIPTION 1) Unit/Formation, Mem.6) Plasticity 2) USCS Name 7) Density/Consistency 3) Color 8) Structure 4) Moisture 9) Other (Mineralization, 5) Percent Grain Size Discoloration, Odor, etc.)	GRAPHIC LOG	WELL LOG	GROUNDWATER OR STRUCTURE	ELEVATION (ft)	SAMPLE					COMMENTS 1) Rig Behavior 2) Air Monitoring	
						SAMPLE NO.	TYPE	BLOW COUNT	RECOVERY (%)	PID/FID (ppm)		TIME (00:00)
	Concrete, ~12"											Begin coring and hand-augering.
	Silty Sand with Gravel (SM); brown; slightly moist; fine-grained sand; (20, 50, 30); cobbles.										13:45	
5												
10												
	Sandy Silt (ML); brown; moist; fine sand, trace gravel; (5, 35, 60).					NP-3-12				2.3	14:20	
15										32.1		
	Silt (ML); brown; moist; fine-grained; (0, 10, 90); low plasticity.					NP-3-16				12.9	15:25	
20										33.9		
	Silty Sand (SM); brown; slightly moist; fine grained, trace gravel; (0, 80, 20); conglomerate pieces.									11.6		
										14.9		
25										1.7		
	Silty Sand (SM); brown; slightly moist; fine grained (0, 60, 40).									4		
	Silty Sand (SM); trace gravel; (5, 65, 30).									10.8		
30												

CONTRACTOR BC2 Environmental
EQUIPMENT T150
DRILL MTHD Sonic
DIAMETER 7.75"/ 6" OD
LOGGER D. Dowd

NORTHING
EASTING
COORDINATE SYSTEM:
REVIEWER S. Siciliano, P.G., C.E.G.

NOTES: Soil samples were collected using USEPA SW-846 Method 5035 compliant Terra Core™ samplers.

SEE KEY SHEET FOR SYMBOLS AND ABBREVIATIONS



2100 Main St
Suite 150
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Tel: (714) 969-0800
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BORING NP-3
START DRILL DATE Oct 10, 17
FINISH DRILL DATE Oct 10, 17
LOCATION Burbank, CA
PROJECT 777 N. Front St.
NUMBER HR1305D-01

SHEET 2 OF 2
ELEVATION DATA:
GROUND SURF. (Ft)
TOP OF CASING (Ft)
DATUM

GS FORM:
WELL BORE 01/04

BOREHOLE LOG

DEPTH (ft-bgs)	DESCRIPTION 1) Unit/Formation, Mem.6) Plasticity 2) USCS Name 7) Density/Consistency 3) Color 8) Structure 4) Moisture 9) Other (Mineralization, 5) Percent Grain Size Discoloration, Odor, etc.)	GRAPHIC LOG	WELL LOG	GROUNDWATER OR STRUCTURE	ELEVATION (ft)	SAMPLE					COMMENTS 1) Rig Behavior 2) Air Monitoring	
						SAMPLE NO.	TYPE	BLOW COUNT	RECOVERY (%)	PID/FID (ppm)		TIME (00:00)
35	Silty Sand with Gravel (SM); brown; slightly moist; fine grained; (20, 50, 30).					NP-3-32	☒			14.7 9 15:30 20.5 7.3		
40	Silty Sand (SM); brown; slightly moist; fine grained; (10, 60, 30); loose.									14.2 16.5 29.6		
45	Silty Sand with Gravel (SM); brown; slightly moist; fine grained; (20, 60, 20); loose; with some cobbles.					NP-3-46	☒			12.2 15:40 15.6 0.8 1.3		
55	Silty Sand with Gravel (SM); light brown; slightly moist; fine grained; (20, 60, 20); with some cobbles.									4.3		
	Silty Sand with Gravel (SM); brown; slightly moist; fine-grained (20, 50, 30); with some cobbles.									5.3		
60	Total Depth = 60 ft bgs.			Groundwater not encountered.							15:45	Terminate boring.

CONTRACTOR BC2 Environmental
EQUIPMENT T150
DRILL MTHD Sonic
DIAMETER 7.75"/ 6" OD
LOGGER D. Dowd

NORTHING
EASTING
COORDINATE SYSTEM:
REVIEWER S. Siciliano, P.G., C.E.G

NOTES: Soil samples were collected using USEPA SW-846 Method 5035 compliant Terra Core™ samplers.

SEE KEY SHEET FOR SYMBOLS AND ABBREVIATIONS



2100 Main St
Suite 150
Huntington Beach, CA 92648
Tel: (714) 969-0800
Fax: (714) 969-0820

BORING NP-4
START DRILL DATE Oct 11, 17
FINISH DRILL DATE Oct 11, 17
LOCATION Burbank, CA
PROJECT 777 N. Front St.
NUMBER HR1305D-01

SHEET 1 OF 3
ELEVATION DATA:
GROUND SURF. (Ft)
TOP OF CASING (Ft)
DATUM

GS FORM:
WELL BORE 01/04

BOREHOLE LOG

DEPTH (ft-bgs)	DESCRIPTION 1) Unit/Formation, Mem.6) Plasticity 2) USCS Name 7) Density/Consistency 3) Color 8) Structure 4) Moisture 9) Other (Mineralization, 5) Percent Grain Size Discoloration, Odor, etc.)	GRAPHIC LOG	WELL LOG	GROUNDWATER OR STRUCTURE	ELEVATION (ft)	SAMPLE					COMMENTS 1) Rig Behavior 2) Air Monitoring	
						SAMPLE NO.	TYPE	BLOW COUNT	RECOVERY (%)	PID/FID (ppm)		TIME (00:00)
	Concrete ~12" thick										08:20	10/11/2017 - Begin coring concrete and hand augering
	Sandy Silt (ML); reddish brown; moist; fine sand; (0; 30; 70); medium plasticity.											
5												
	Poorly Graded Sand with Silt and Gravel (SP-SM); brown; moist; fine sand; coarse gravel to cobbles; (25; 65; 10).										13 08:35	Begin drilling
10												
	Sandy Silt (ML); strong brown; moist; fine sand; trace medium gravel; (5, 25, 70); low plasticity.										6.9	Small quartzite boulder (~6" x 8")
											45.9 09:05	
15											21.9	
	Silt (ML); brown; moist; little fine sand; (0, 10, 90); low plasticity.										31.5	
											5.8	
20											13.2 09:35	
	Silty Sand (SM); pale brown; moist; fine sand; trace fine to medium gravel; (5, 55, 40).										15.9	
											4.6	
25											14.2	
	Silt (ML); pale yellowish brown; moist; trace fine sand; (0, 5, 95); low plasticity.										8.8	
											1.3	
30												

CONTRACTOR BC2 Environmental
EQUIPMENT T150
DRILL MTHD Sonic
DIAMETER 7.75"/ 6"/ 4.5" OD
LOGGER G. Wharton

NORTHING
EASTING
COORDINATE SYSTEM:
REVIEWER S. Siciliano, P.G., C.E.G.

NOTES: Soil samples were collected using USEPA SW-846 Method 5035 compliant Terra Core™ samplers.

SEE KEY SHEET FOR SYMBOLS AND ABBREVIATIONS

GS FORM:
WELL BORE 01/04

BOREHOLE LOG

DEPTH (ft-bgs)	DESCRIPTION 1) Unit/Formation, Mem.6) Plasticity 2) USCS Name 7) Density/Consistency 3) Color 8) Structure 4) Moisture 9) Other (Mineralization, 5) Percent Grain Size Discoloration, Odor, etc.)	GRAPHIC LOG	WELL LOG	GROUNDWATER OR STRUCTURE	ELEVATION (ft)	SAMPLE					COMMENTS 1) Rig Behavior 2) Air Monitoring	
						SAMPLE NO.	TYPE	BLOW COUNT	RECOVERY (%)	PID/FID (ppm)		TIME (00:00)
35	Silt (ML); pale yellowish brown; moist; trace fine sand; (0, 5, 95); low plasticity.									3.9		
										5.3		
										6.4		
	Silt (ML); strong brown; moist; trace fine sand; (0, 5, 95); medium plasticity.									3.4		
40										8		
						NP-4-40	☒			15.6	09:50	Telescope to 6" core barrel
	Silty Sand (SM); pale grey to pale orange brown; moist; fine to coarse sand; trace fine gravel; (5, 60, 35).									24		
45										14.2		
										10.8		
50	Sandy Clay (CL); pale brown; moist; fine sand; (0, 30, 70); low plasticity.									9.3		
										9.4		
55	Silty Sand (SM); pale grey to pale reddish brown; moist; fine to medium sand; few fine gravel to cobbles; (10, 55, 35).									24.3		
60	Sandy Silt (ML); pale orange brown; moist; fine sand; (0, 35, 65); low plasticity.									5.6	10:45	

CONTRACTOR BC2 Environmental
EQUIPMENT T150
DRILL MTHD Sonic
DIAMETER 7.75"/6"/4.5" OD
LOGGER G. Wharton

NORTHING
EASTING
COORDINATE SYSTEM:
REVIEWER S. Siciliano, P.G., C.E.G

NOTES: Soil samples were collected using USEPA SW-846 Method 5035 compliant Terra Core™ samplers.

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BOREHOLE LOG

DEPTH (ft-bgs)	DESCRIPTION 1) Unit/Formation, Mem.6) Plasticity 2) USCS Name 7) Density/Consistency 3) Color 8) Structure 4) Moisture 9) Other (Mineralization, 5) Percent Grain Size Discoloration, Odor, etc.)	GRAPHIC LOG	WELL LOG	GROUNDWATER OR STRUCTURE	ELEVATION (ft)	SAMPLE					COMMENTS 1) Rig Behavior 2) Air Monitoring	
						SAMPLE NO.	TYPE	BLOW COUNT	RECOVERY (%)	PID/FID (ppm)		TIME (00:00)
	Silty Sand (SM); pale grey to pale orange brown; moist; fine sand; trace fine to medium gravel; (5, 65, 30).									5.2		Telescope to 4.5" core barrel
										21.1		
65										10.5		
										21		
70										4		
										0.8		
75										4.6		
	Silt (ML); orange brown to olive brown; moist; trace fine sand; (0, 5, 95); low plasticity.									0.6		
80						NP-4-80	⊗			3.9	11:10	
										2		
85										0.8		
	@87' - fine to coarse gravel in silt matrix									3.1		
90	Total Depth = 90 ft bgs			Groundwater not encountered							11:15	10/11/2017 - Terminate boring

CONTRACTOR BC2 Environmental
EQUIPMENT T150
DRILL MTHD Sonic
DIAMETER 7.75"/6"/4.5" OD
LOGGER G. Wharton

NORTHING
EASTING
COORDINATE SYSTEM:
REVIEWER S. Siciliano, P.G., C.E.G

NOTES: Soil samples were collected using USEPA SW-846 Method 5035 compliant Terra Core™ samplers.

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GS FORM:
WELL BORE 01/04

BOREHOLE LOG

DEPTH (ft-bgs)	DESCRIPTION 1) Unit/Formation, Mem.6) Plasticity 2) USCS Name 7) Density/Consistency 3) Color 8) Structure 4) Moisture 9) Other (Mineralization, 5) Percent Grain Size Discoloration, Odor, etc.)	GRAPHIC LOG	WELL LOG	GROUNDWATER OR STRUCTURE	ELEVATION (ft)	SAMPLE					COMMENTS 1) Rig Behavior 2) Air Monitoring		
						SAMPLE NO.	TYPE	BLOW COUNT	RECOVERY (%)	PID/FID (ppm)		TIME (00:00)	
	Concrete ~12"										15:20	10/11/17 - Begin hand augering	
	Silty Sand (SM); orange brown to dark brown; moist; fine sand; trace fine to medium gravel; (5, 60, 35).												
5											0	15:40	Begin drilling
	Sandy Silt (ML); brown to olive brown; moist; fine sand; (0, 40, 60); low plasticity.										0		
10											0		
	@10' - gravel and cobbles in sandy silt matrix; (10, 35, 55)										0		
15											0		
											0.5		
						NP-5-18					0.4	16:05	
20											0.6		
											0		
25											0		
											0		
30											0		

CONTRACTOR BC2 Environmental
EQUIPMENT T150
DRILL MTHD Sonic
DIAMETER 7.75"/ 6" OD
LOGGER G. Wharton

NORTHING
EASTING
COORDINATE SYSTEM:
REVIEWER S. Siciliano, P.G., C.E.G

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BOREHOLE LOG

DEPTH (ft-bgs)	DESCRIPTION 1) Unit/Formation, Mem.6) Plasticity 2) USCS Name 7) Density/Consistency 3) Color 8) Structure 4) Moisture 9) Other (Mineralization, 5) Percent Grain Size Discoloration, Odor, etc.)	GRAPHIC LOG	WELL LOG	GROUNDWATER OR STRUCTURE	ELEVATION (ft)	SAMPLE					COMMENTS 1) Rig Behavior 2) Air Monitoring	
						SAMPLE NO.	TYPE	BLOW COUNT	RECOVERY (%)	PID/FID (ppm)		TIME (00:00)
	Silty Sand (SM); pale olive brown; dry to slightly moist; fine to medium sand; few fine to medium gravel; (10, 75, 15).									0		
35	Sandy Silt (ML); brown; dry to slightly moist; fine sand; trace fine gravel; (5, 40, 55); low plasticity.					NP-5-36	☒			1.2		
										5.7	16:30	
40	@39' - hard sandstone boulder or layer approximately 6" to 12" thick									1.6		
										4		Hard drilling
45	Silt (ML); orange brown; moist; few fine sand; (0, 10, 90); low plasticity.					NP-5-45	☒			8.1	16:50	
										6.5		
50	Silty Sand (SM); brown; dry to slightly moist; fine sand; trace fine gravel; (5, 60, 35).									6.7		Telescope to 6" OD core barrel
										1		
55												
	Silt (ML); pale orange brown; moist; trace fine sand; (0, 5, 95); low plasticity.					NP-5-56	☒			0.8	17:00	
60	Silty Sand (SM); brown; moist; fine sand; few fine to medium gravel; (10, 75, 15).											
	Total Depth = 60 ft bgs			Groundwater not encountered							17:05	10/11/17 - Terminate boring

CONTRACTOR BC2 Environmental
EQUIPMENT T150
DRILL MTHD Sonic
DIAMETER 7.75"/6" OD
LOGGER G. Wharton

NORTHING
EASTING
COORDINATE SYSTEM:
REVIEWER S. Siciliano, P.G., C.E.G

NOTES: Soil samples were collected using USEPA SW-846 Method 5035 compliant Terra Core™ samplers.

SEE KEY SHEET FOR SYMBOLS AND ABBREVIATIONS



2100 Main St
Suite 150
Huntington Beach, CA 92648
Tel: (714) 969-0800
Fax: (714) 969-0820

BORING
START DRILL DATE Oct 13, 17
FINISH DRILL DATE Oct 13, 17
LOCATION Burbank, CA
PROJECT 777 N. Front St.
NUMBER HR1305D-01

NP-6

SHEET 1 OF 3

ELEVATION DATA:

GROUND SURF. (Ft)

TOP OF CASING (Ft)

DATUM

GS FORM:
WELL BORE 01/04

BOREHOLE LOG

DEPTH (ft-bgs)	DESCRIPTION 1) Unit/Formation, Mem.6) Plasticity 2) USCS Name 7) Density/Consistency 3) Color 8) Structure 4) Moisture 9) Other (Mineralization, Discoloration, Odor, etc.) 5) Percent Grain Size	GRAPHIC LOG	WELL LOG	GROUNDWATER OR STRUCTURE	ELEVATION (ft)	SAMPLE					COMMENTS 1) Rig Behavior 2) Air Monitoring	
						SAMPLE NO.	TYPE	BLOW COUNT	RECOVERY (%)	PID/FID (ppm)		TIME (00:00)
	Concrete ~6"										07:50	10/13/17 - Begin hand augering
5	Sandy Silt (ML); olive brown; slightly moist; fine sand; trace fine gravel; (5, 30, 65); low plasticity.										0.3 08:00	Begin drilling
											1.1	
											0.7	
10											0.7	
											1.1	
	Clayey Sand (SC); olive brown; moist; fine sand; (0, 70, 30).										1.1	
15											3.5 08:20	
						NP-6-16					2.1	
20											2	
											0.6	
25											0.3	
	Silty Sand (SM); olive brown; moist; fine to coarse sand; trace medium gravel; (5, 80, 15).										1.6 08:25	
30											1.7	

CONTRACTOR BC2 Environmental
EQUIPMENT T150
DRILL MTHD Sonic
DIAMETER 7.75"/6"/4.5" OD
LOGGER G. Wharton

NORTHING
EASTING
COORDINATE SYSTEM:
REVIEWER S. Siciliano, P.G., C.E.G.

NOTES: Soil samples were collected using USEPA SW-846 Method 5035 compliant Terra Core™ samplers.

SEE KEY SHEET FOR SYMBOLS AND ABBREVIATIONS

07-WELL BORE HR1305D - SV PROBES.GPJ GEOSYNTEC.GDT 10/25/17



2100 Main St
Suite 150
Huntington Beach, CA 92648
Tel: (714) 969-0800
Fax: (714) 969-0820

BORING NP-6
START DRILL DATE Oct 13, 17
FINISH DRILL DATE Oct 13, 17
LOCATION Burbank, CA
PROJECT 777 N. Front St.
NUMBER HR1305D-01

SHEET 2 OF 3
ELEVATION DATA:
GROUND SURF. (Ft)
TOP OF CASING (Ft)
DATUM

GS FORM:
WELL BORE 01/04

BOREHOLE LOG

DEPTH (ft-bgs)	DESCRIPTION 1) Unit/Formation, Mem.6) Plasticity 2) USCS Name 7) Density/Consistency 3) Color 8) Structure 4) Moisture 9) Other (Mineralization, 5) Percent Grain Size Discoloration, Odor, etc.)	GRAPHIC LOG	WELL LOG	GROUNDWATER OR STRUCTURE	ELEVATION (ft)	SAMPLE					COMMENTS 1) Rig Behavior 2) Air Monitoring		
						SAMPLE NO.	TYPE	BLOW COUNT	RECOVERY (%)	PID/FID (ppm)		TIME (00:00)	
35	Well Graded Sand with Silt and Gravel (SW-SM); pale greyish brown; dry to slightly moist; fine to coarse gravel; (15, 70, 10).										2.1		
											1.3		
											0.7		
											0.6		
											0.3		
40	Clayey Sand (SC); brown; moist; fine sand; trace fine gravel; (5, 70, 25).					NP-6-40	☒				7.6	09:05	Telescope to 6" core barrel
											6		
45											7.7		
											9.4		
50	Silty Sand with Gravel (SM); pale brownish grey; dry to slightly moist; fine sand; fine to coarse gravel and cobbles; (15, 65, 20).										5		
											9.1		
55						NP-6-55	☒				11	09:55	
											6.9		
60													

CONTRACTOR BC2 Environmental
EQUIPMENT T150
DRILL MTHD Sonic
DIAMETER 7.75"/6"/4.5" OD
LOGGER G. Wharton

NORTHING
EASTING
COORDINATE SYSTEM:
REVIEWER S. Siciliano, P.G., C.E.G

NOTES: Soil samples were collected using USEPA SW-846 Method 5035 compliant Terra Core™ samplers.

SEE KEY SHEET FOR SYMBOLS AND ABBREVIATIONS

GS FORM:
WELL BORE 01/04

BOREHOLE LOG

DEPTH (ft-bgs)	DESCRIPTION 1) Unit/Formation, Mem.6) Plasticity 2) USCS Name 7) Density/Consistency 3) Color 8) Structure 4) Moisture 9) Other (Mineralization, 5) Percent Grain Size Discoloration, Odor, etc.)	GRAPHIC LOG	WELL LOG	GROUNDWATER OR STRUCTURE	ELEVATION (ft)	SAMPLE					COMMENTS 1) Rig Behavior 2) Air Monitoring		
						SAMPLE NO.	TYPE	BLOW COUNT	RECOVERY (%)	PID/FID (ppm)		TIME (00:00)	
	Well Graded Sand with Gravel (SW); brown; moist; fine to coarse gravel; trace silt; (15; 80; 5).										4.7		
	Silty Sand (SM); pale pinkish grey to pale brown; dry to slightly moist; fine to coarse sand; few fine to medium gravel; (10, 70, 20).										9.5		
65													
											3.7		
											4.6		
											5		
70													
											5		
	Silty Sand (SM); pale orange brown; moist; fine sand; trace fine gravel; (5, 75, 20).										4		Telescope to 4.5" core barrel
75											4.5		
											3.4		
80	Well Graded Sand (SW); brown; moist; few fine gravel; trace silt; (10, 85, 5).										5.7		
											4.5		
85											4.3	10:30	
90	Total Depth = 90 ft bgs			Groundwater not encountered		NP-6-88							10/13/16 - Terminate boring

CONTRACTOR BC2 Environmental
EQUIPMENT T150
DRILL MTHD Sonic
DIAMETER 7.75"/ 6"/ 4.5" OD
LOGGER G. Wharton

NORTHING
EASTING
COORDINATE SYSTEM:
REVIEWER S. Siciliano, P.G., C.E.G

NOTES: Soil samples were collected using USEPA SW-846 Method 5035 compliant Terra Core™ samplers.

SEE KEY SHEET FOR SYMBOLS AND ABBREVIATIONS

GS FORM:
WELL BORE 01/04

BOREHOLE LOG

DEPTH (ft-bgs)	DESCRIPTION 1) Unit/Formation, Mem.6) Plasticity 2) USCS Name 7) Density/Consistency 3) Color 8) Structure 4) Moisture 9) Other (Mineralization, Discoloration, Odor, etc.) 5) Percent Grain Size	GRAPHIC LOG	WELL LOG	GROUNDWATER OR STRUCTURE	ELEVATION (ft)	SAMPLE					COMMENTS 1) Rig Behavior 2) Air Monitoring		
						SAMPLE NO.	TYPE	BLOW COUNT	RECOVERY (%)	PID/FID (ppm)		TIME (00:00)	
	Concrete ~12"										15:20	10/12/17 - Begin hand augering	
	Silty Sand (SM); strong brown; moist; fine sand; trace fine gravel; (5, 60, 35).												
5											2.1	15:35	Begin drilling
	Sandy Silt (ML); strong brown; moist; fine sand; (0, 40, 60); low plasticity.										1.5		
											0.9		
10											0.3		
	Well Graded Sand with Silt (SW-SM); pale brown; slightly moist; trace fine gravel; (5, 85, 10).										0.3		
											0.1		
15											0.4		
	Silty Sand (SM); brown; moist; fine sand; (0, 60, 40).										1.3		
											8.3		
20													
	Sandy Silt (ML); brown; moist; fine sand; (0, 25, 75); low plasticity.					NP-7-22					6.3	16:15	
25											6.5		
	Silty Sand (SM); pale brown; slightly moist; fine to medium sand; few fine gravel; (10, 75, 15).										5		
30													

CONTRACTOR BC2 Environmental
EQUIPMENT T150
DRILL MTHD Sonic
DIAMETER 7.75"/6" OD
LOGGER G. Wharton

NORTHING
EASTING
COORDINATE SYSTEM:
REVIEWER S. Siciliano, P.G., C.E.G.

NOTES: Soil samples were collected using USEPA SW-846 Method 5035 compliant Terra Core™ samplers.

SEE KEY SHEET FOR SYMBOLS AND ABBREVIATIONS

GS FORM:
WELL BORE 01/04

BOREHOLE LOG

DEPTH (ft-bgs)	DESCRIPTION 1) Unit/Formation, Mem.6) Plasticity 2) USCS Name 7) Density/Consistency 3) Color 8) Structure 4) Moisture 9) Other (Mineralization, 5) Percent Grain Size Discoloration, Odor, etc.)	GRAPHIC LOG	WELL LOG	GROUNDWATER OR STRUCTURE	ELEVATION (ft)	SAMPLE					COMMENTS 1) Rig Behavior 2) Air Monitoring	
						SAMPLE NO.	TYPE	BLOW COUNT	RECOVERY (%)	PID/FID (ppm)		TIME (00:00)
											7	Telescope to 6" core barrel
											5	
35	@32' - Coarsening sand and gravel Sandy Clay (CL); strong brown; moist; fine sand; (0, 40, 60); medium plasticity.					NP-7-34	☒			9.4	16:35	
	Silty Sand (SM); olive brown; moist; fine sand; (0, 65, 35).										5.3	
40	Silty Sand (SM); pale greyish brown; dry to slightly moist; fine to coarse sand; fine to coarse gravel; (10, 75, 15).										6.8	
											3.9	
45											3.4	
	Silty Sand (SM); brown; moist; fine sand; trace fine gravel; (5, 60, 35).										8.6	
50						NP-7-49	☒				7.7	17:05
	Silty Sand (SM); pale greyish brown; dry to slightly moist; fine to coarse sand; few fine to coarse gravel; (10, 75, 15).										3.2	
											2.4	
55											2.2	
60	Total Depth = 60 ft bgs			Groundwater not encountered							17:15	10/12/17 - Terminate boring

CONTRACTOR BC2 Environmental
EQUIPMENT T150
DRILL MTHD Sonic
DIAMETER 7.75"/6" OD
LOGGER G. Wharton

NORTHING
EASTING
COORDINATE SYSTEM:

REVIEWER S. Siciliano, P.G., C.E.G.

NOTES: Soil samples were collected using USEPA SW-846 Method 5035 compliant Terra Core™ samplers.

SEE KEY SHEET FOR SYMBOLS AND ABBREVIATIONS

GS FORM:
WELL BORE 01/04

BOREHOLE LOG

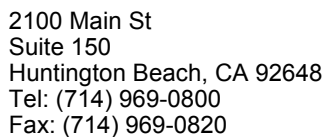
DEPTH (ft-bgs)	DESCRIPTION 1) Unit/Formation, Mem.6) Plasticity 2) USCS Name 7) Density/Consistency 3) Color 8) Structure 4) Moisture 9) Other (Mineralization, 5) Percent Grain Size Discoloration, Odor, etc.)	GRAPHIC LOG	WELL LOG	GROUNDWATER OR STRUCTURE	ELEVATION (ft)	SAMPLE					COMMENTS 1) Rig Behavior 2) Air Monitoring	
						SAMPLE NO.	TYPE	BLOW COUNT	RECOVERY (%)	PID/FID (ppm)		TIME (00:00)
	Concrete ~12".											
	Sandy Silt with Gravel (ML); brown; slightly moist; fine sand and fines, fine to medium gravel (15, 30, 55).										08:20	Begin coring and hand-augering.
5	Sandy Silt (ML); brown; moist; fine sand and fines; (0, 30, 70).									0.4	08:38	Start drilling.
	At 8', metal and rubber fragments.									0		
10	Sandy Silt with Gravel (ML); brown; slightly moist; fine sand and fines, fine to medium gravel; (15, 30, 55); cobbles.									0		
	Sandy Silt (ML); brown; slightly moist; fine sand; (0, 30, 70).									0.6		
										0.4		
15	Clay with Silt, trace Sand (CL); brown; slightly moist; (0, 5, 95); low plasticity.									1		
										1.3		
20										1.3		
	Silty Clay (CL-ML); brown; slightly moist; low plasticity.									0		
25						NP-8-24				0	09:50	
	Silty Sand with Gravel (SM); light brown; slightly moist; well-graded sand; (10, 65, 25).									2.5		
										1.1		
30												

CONTRACTOR BC2 Environmental
EQUIPMENT T150
DRILL MTHD Sonic
DIAMETER 7.75"/ 6"/ 4.5" OD
LOGGER D. Dowd

NORTHING
EASTING
COORDINATE SYSTEM:
REVIEWER S. Siciliano, P.G., C.E.G

NOTES: Soil samples were collected using USEPA SW-846 Method 5035 compliant Terra Core™ samplers.

SEE KEY SHEET FOR SYMBOLS AND ABBREVIATIONS



BOREHOLE LOG

SHEET 2 OF 3

ELEVATION DATA:

GROUND SURF. (Ft)

TOP OF CASING (Ft)

DATUM

DEPTH (ft-bgs)	DESCRIPTION 1) Unit/Formation, Mem.6) Plasticity 2) USCS Name 7) Density/Consistency 3) Color 8) Structure 4) Moisture 9) Other (Mineralization, Discoloration, Odor, etc.) 5) Percent Grain Size	GRAPHIC LOG	WELL LOG	GROUNDWATER OR STRUCTURE	ELEVATION (ft)	SAMPLE					COMMENTS 1) Rig Behavior 2) Air Monitoring	
						SAMPLE NO.	TYPE	BLOW COUNT	RECOVERY (%)	PID/FID (ppm)		TIME (00:00)
35	At 32', the percentage distribution changes to (10, 75, 15). Well-Graded Sand (SW); light brown; dry.					NP-8-42	<div></div>			1.9		7.75" core barrel telescope from 50' bgs.
	No recovery.				3.6							
					5							
					5.8							
45	Silty Sand (SM); brown; slightly moist; (0, 80, 20); trace cobbles. Well Graded Sand with Silt, trace Gravel (SW-SM); light brown; dry; (10, 75, 15).						<div></div>			8.3	10:05	
										14.7		
										13		
50	At 50', percentage of gravel increased; (20, 70, 10).									24.5		
										9.8		
										23.7		
										14.1		
60	Clay and Clayey Sand (CL/SC); olive brown; moist; poorly-graded sand; low plasticity;					NP-8-59	<div></div>			21.1	10:40	

CONTRACTOR BC2 Environmental	NORTHING
EQUIPMENT T150	EASTING
DRILL MTHD Sonic	COORDINATE SYSTEM:
DIAMETER 7.75"/ 6" 4.5" OD	
LOGGER D. Dowd	REVIEWER S. Siciliano, P.G., C.E.G

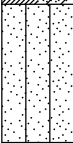
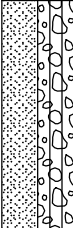
NOTES: Soil samples were collected using USEPA SW-846 Method 5035 compliant Terra Core™ samplers.

SEE KEY SHEET FOR SYMBOLS AND ABBREVIATIONS

07-WELL BORE HR1305D - SV PROBES.GPJ GEOSNTEC.GDT 10/25/17

GS FORM:
WELL BORE 01/04

BOREHOLE LOG

DEPTH (ft-bgs)	DESCRIPTION 1) Unit/Formation, Mem.6) Plasticity 2) USCS Name 7) Density/Consistency 3) Color 8) Structure 4) Moisture 9) Other (Mineralization, Discoloration, Odor, etc.) 5) Percent Grain Size	GRAPHIC LOG	WELL LOG	GROUNDWATER OR STRUCTURE	ELEVATION (ft)	SAMPLE					COMMENTS 1) Rig Behavior 2) Air Monitoring	
						SAMPLE NO.	TYPE	BLOW COUNT	RECOVERY (%)	PID/FID (ppm)		TIME (00:00)
	dense.											
	Silty Sand (SM); brown; slightly moist; (0, 60, 40).									18.5		
65	Well Graded Sand to Silty Gravel (SW/GM); light brown; dry; (20, 60, 20).									14		
										21.9		
70	Silty Sand (SM); brown; moist; fine-grained; (0, 70, 30).									11		
										9.7		
75										11.1		
										10.2		
80	At 80', 12" clay layer.									9.3		
										11:45		Telescope to 4.5" barrel.
	Well Graded Sand with Gravel (SW); light brown; slightly moist; (20, 80, 0).									2.3		
85										2		
										0.6		
90	Total Depth = 90 ft bgs.			Groundwater not encountered.								

Groundwater not encountered.

CONTRACTOR BC2 Environmental
EQUIPMENT T150
DRILL MTHD Sonic
DIAMETER 7.75"/6"/4.5" OD
LOGGER D. Dowd

NORTHING
EASTING
COORDINATE SYSTEM:
REVIEWER S. Siciliano, P.G., C.E.G.

NOTES: Soil samples were collected using USEPA SW-846 Method 5035 compliant Terra Core™ samplers.

SEE KEY SHEET FOR SYMBOLS AND ABBREVIATIONS

APPENDIX B

Soil Vapor Probe Construction

WELL CONSTRUCTION LOG

DEPTH (ft-bgs)	COMMENTS	GRAPHIC LOG	WELL MATERIAL DEPTH (ft-bgs)	BELOW GROUND SURFACE COMPLETION:	
				SURFACE COMPLETION:	
	1) Groundwater 2) Surge Time 3) Dedicated Pump			TYPE	Monument
	ELEVATION (ft MSL)			WELL CASING DEPTH	2'7"
				FLUSH-MOUNT PROTECTIVE COVER	
				LOCKING WELL CAP	
	Note: The top 1 ft of each bentonite seal is constructed of Cetco #8 bentonite crumbles, the rest of Wyoben medium bentonite chips.			BORING DEPTH	90' bgs
				PILOT BORING DIAMETER	4.5"
				REAM BORING DIAMETER	7.75"
				WELL CONSTRUCTION	
				WELL CONSTRUCTION DATE	10/09/2017
				WELL DEPTH	85' bgs
				WELL CASING DIAMETER	3/4"
				WELL CASING MATERIAL	PVC
				SCREEN SLOT SIZE/DIRECTION	0.020" Horizontal
				TOP OF SCREEN	14' / 44' / 65' / 80' bgs
				BOTTOM OF SCREEN	19' / 49' / 70' / 85' bgs
				END CAP/SUMP LENGTH	2"
				GROUT	
				TOP DEPTH	N/A
				TYPE/BRAND	N/A
				QUANTITY USED	N/A
				VOLUME FLUID USED	N/A
				PLACEMENT METHOD	N/A
				BENTONITE SEAL	
				TOP DEPTH	2' / 20' / 50' / 71' bgs
				TYPE/BRAND	Wyoben Eviroplug Chips/ Cetco #8 Crumbles
				QUANTITY USED	150 / 550 / 150 / 50 lbs.
				VOLUME FLUID USED	~10 gal per seal
				SET-UP TIME	~15 mins per seal
				PLACEMENT METHOD	Tremie
				TRANSITION SAND	
				TOP DEPTH	N/A
				TYPE/BRAND	N/A
				QUANTITY USED	N/A
				PLACEMENT METHOD	N/A
				SAND/GRAVEL PACK	
				TOP DEPTH	13' / 43' / 64' / 79' bgs
				TYPE/BRAND	Cemex Lapis Lustre #3
				QUANTITY USED	300 / 150 / 100 / 150 lbs.
				PLACEMENT METHOD	Tremie
				BOTTOM FILL	
				TOP DEPTH	N/A
				TYPE/BRAND	N/A
				QUANTITY USED	N/A
				PLACEMENT METHOD	N/A

CONTRACTOR BC2 Environmental
EQUIPMENT T150
DRILL MTHD Sonic
DIAMETER 7.75" / 6" / 4.5" OD
LOGGER G. Wharton

NORTHING
EASTING
COORDINATE SYSTEM:
REVIEWER S. Siciliano, P.G., C.E.G.

DEDICATED PUMP SYSTEM:
TYPE/BRAND:
MODEL:
CONTROLLER TYPE:

SEE KEY SHEET FOR SYMBOLS AND ABBREVIATIONS

WELL CONSTRUCTION LOG

DEPTH (ft-bgs)	COMMENTS	GRAPHIC LOG	WELL MATERIAL DEPTH (ft-bgs)	BELOW GROUND SURFACE COMPLETION:
	1) Groundwater 2) Surge Time 3) Dedicated Pump			SURFACE COMPLETION: TYPE Monument WELL CASING DEPTH 2'9"
				FLUSH-MOUNT PROTECTIVE COVER LOCKING WELL CAP
5	Note: The top 1 ft of each bentonite seal is constructed of Cetco #8 bentonite crumbles, the rest of Wyoben medium bentonite chips.		2.0	BORING DEPTH 90' bgs
10	Screen 1		9.0 10.0	PILOT BORING DIAMETER 4.5"
15			15.0 16.0	REAM BORING DIAMETER 7.75"
20				WELL CONSTRUCTION
25				WELL CONSTRUCTION DATE 10/10/2017
30				WELL DEPTH 81' bgs
35	Screen 2		31.0 32.0	WELL CASING DIAMETER 3/4"
40			37.0 38.0	WELL CASING MATERIAL PVC
45				SCREEN SLOT SIZE/DIRECTION 0.020" Horizontal
50	Screen 3		45.0 46.0	TOP OF SCREEN 10' / 32' / 46' / 76' bgs
55			51.0 52.0	BOTTOM OF SCREEN 15' / 37' / 51' / 81' bgs
60				END CAP/SUMP LENGTH 2"
65				GROUT
70				TOP DEPTH N/A
75				TYPE/BRAND N/A
80	Screen 4		75.0 76.0	QUANTITY USED N/A
85			81.0 82.0	VOLUME FLUID USED N/A
90				PLACEMENT METHOD N/A
95				BENTONITE SEAL
100				TOP DEPTH 2' / 16' / 38' / 52' bgs
				TYPE/BRAND Wyoben Enviropug Chips/ Cetco #8 Crumbles
				QUANTITY USED 200 / 400 / 150 / 350 lbs.
				VOLUME FLUID USED ~10 gal per seal
				SET-UP TIME ~15 mins per seal
				PLACEMENT METHOD Tremie
				TRANSITION SAND
				TOP DEPTH N/A
				TYPE/BRAND N/A
				QUANTITY USED N/A
				PLACEMENT METHOD N/A
				SAND/GRAVEL PACK
				TOP DEPTH 9' / 31' / 45' / 75' bgs
				TYPE/BRAND Cemex Lapis Lustre #3
				QUANTITY USED 350 / 300 / 150 / 150 lbs.
				PLACEMENT METHOD Tremie
				BOTTOM FILL
				TOP DEPTH 82' bgs
				TYPE/BRAND Wyoben Enviropug Medium
				QUANTITY USED 75 lbs.
				PLACEMENT METHOD Tremie

09-WELL COMP BG HR1305D - SV PROBES.GPJ GEOSYNTEC.GDT 10/25/17

CONTRACTOR BC2 Environmental
EQUIPMENT T150
DRILL MTHD Sonic
DIAMETER 7.75" / 6" / 4.5" OD
LOGGER G. Wharton

NORTHING
EASTING
COORDINATE SYSTEM:
REVIEWER S. Siciliano, P.G., C.E.G.

DEDICATED PUMP SYSTEM:
TYPE/BRAND:
MODEL:
CONTROLLER TYPE:

SEE KEY SHEET FOR SYMBOLS AND ABBREVIATIONS

SEE KEY SHEET FOR SYMBOLS AND ABBREVIATIONS

WELL CONSTRUCTION LOG

DEPTH (ft-bgs)	COMMENTS	GRAPHIC LOG	WELL MATERIAL DEPTH (ft-bgs)	BELOW GROUND SURFACE COMPLETION:	
				SURFACE COMPLETION:	
	1) Groundwater 2) Surge Time 3) Dedicated Pump			TYPE	Monument
	ELEVATION (ft MSL)			WELL CASING DEPTH	3'2"
				FLUSH-MOUNT PROTECTIVE COVER	
				LOCKING WELL CAP	
	Note: The top 1 ft of each bentonite seal is constructed of Cetco #8 bentonite crumbles, the rest of Wyoben medium bentonite chips.			BORING DEPTH	90' bgs
				PILOT BORING DIAMETER	4.5"
				REAM BORING DIAMETER	7.75"
				WELL CONSTRUCTION	
				WELL CONSTRUCTION DATE	10/11/2017
				WELL DEPTH	83' bgs
				WELL CASING DIAMETER	3/4"
				WELL CASING MATERIAL	PVC
				SCREEN SLOT SIZE/DIRECTION	0.020" Horizontal
				TOP OF SCREEN	8' / 30' / 46' / 78' bgs
				BOTTOM OF SCREEN	13' / 35' / 51' / 83' bgs
				END CAP/SUMP LENGTH	2"
				GROUT	
				TOP DEPTH	N/A
				TYPE/BRAND	N/A
				QUANTITY USED	N/A
				VOLUME FLUID USED	N/A
				PLACEMENT METHOD	N/A
				BENTONITE SEAL	
				TOP DEPTH	2' / 14' / 36' / 52' bgs
				TYPE/BRAND	Wyoben Eviroplug Chips/ Cetco #8 Crumbles
				QUANTITY USED	150 / 300 / 150 / 300 lbs.
				VOLUME FLUID USED	~10 gal per seal
				SET-UP TIME	~15 mins per seal
				PLACEMENT METHOD	Tremie
				TRANSITION SAND	
				TOP DEPTH	N/A
				TYPE/BRAND	N/A
				QUANTITY USED	N/A
				PLACEMENT METHOD	N/A
				SAND/GRAVEL PACK	
				TOP DEPTH	7' / 29' / 45' / 77' bgs
				TYPE/BRAND	Cemex Lapis Lustre #3
				QUANTITY USED	250 / 250 / 150 / 75 lbs.
				PLACEMENT METHOD	Tremie
				BOTTOM FILL	
				TOP DEPTH	84' bgs
				TYPE/BRAND	Wyoben Enviroplug Medium
				QUANTITY USED	50 lbs.
				PLACEMENT METHOD	Tremie

CONTRACTOR BC2 Environmental
EQUIPMENT T150
DRILL MTHD Sonic
DIAMETER 7.75" / 6" / 4.5" OD
LOGGER G. Wharton

NORTHING
EASTING
COORDINATE SYSTEM:
REVIEWER S. Siciliano, P.G., C.E.G.

DEDICATED PUMP SYSTEM:
TYPE/BRAND:
MODEL:
CONTROLLER TYPE:

SEE KEY SHEET FOR SYMBOLS AND ABBREVIATIONS

WELL CONSTRUCTION LOG

DEPTH (ft-bgs)	COMMENTS	GRAPHIC LOG	WELL MATERIAL DEPTH (ft-bgs)	BELOW GROUND SURFACE COMPLETION:	
				SURFACE COMPLETION:	
	1) Groundwater ELEVATION 2) Surge Time 3) Dedicated Pump (ft MSL)			FLUSH-MOUNT PROTECTIVE COVER LOCKING WELL CAP	TYPE Monument WELL CASING DEPTH 3'2"
5	Note: The top 1 ft of each bentonite seal is constructed of Cetco #8 bentonite crumbles, the rest of Wyoben medium bentonite chips.		2.0		BORING DEPTH 60' bgs
10	Screen 1		9.0 10.0		PILOT BORING DIAMETER 6"
15			15.0 16.0		REAM BORING DIAMETER 7.75"
20					WELL CONSTRUCTION
25					WELL CONSTRUCTION DATE 10/11/17 - 10/12/17
30	Screen 2		29.0 30.0		WELL DEPTH 57' bgs
35			35.0 36.0		WELL CASING DIAMETER 3/4"
40					WELL CASING MATERIAL PVC
45					SCREEN SLOT SIZE/DIRECTION 0.020" Horizontal
50					TOP OF SCREEN 10' / 30' / 52' bgs
55	Screen 3		51.0 52.0		BOTTOM OF SCREEN 15' / 35' / 57' bgs
60			57.0 58.0 60.0		END CAP/SUMP LENGTH 2"
65					GROUT
70					TOP DEPTH N/A
75					TYPE/BRAND N/A
80					QUANTITY USED N/A
85					VOLUME FLUID USED N/A
90					PLACEMENT METHOD N/A
95					BENTONITE SEAL
100					TOP DEPTH 2' / 16' / 36' bgs
					TYPE/BRAND Wyoben Eviroplug Chips/ Cetco #8 Crumbles
					QUANTITY USED 150 / 300 / 200 lbs.
					VOLUME FLUID USED ~10 gal per seal
					SET-UP TIME ~15 mins per seal
					PLACEMENT METHOD Tremie
					TRANSITION SAND
					TOP DEPTH N/A
					TYPE/BRAND N/A
					QUANTITY USED N/A
					PLACEMENT METHOD N/A
					SAND/GRAVEL PACK
					TOP DEPTH 9' / 29' / 51' bgs
					TYPE/BRAND Cemex Lapis Lustre #3
					QUANTITY USED 250 / 350 / 150 lbs.
					PLACEMENT METHOD Tremie
					BOTTOM FILL
					TOP DEPTH 58' bgs
					TYPE/BRAND Wyoben Enviroplug Medium
					QUANTITY USED 25 lbs.
					PLACEMENT METHOD Tremie

09-WELL COMP BG HR1305D - SV PROBES.GPJ GEOSNTEC.GDT 10/25/17

CONTRACTOR BC2 Environmental
EQUIPMENT T150
DRILL MTHD Sonic
DIAMETER 7.75" / 6" OD
LOGGER G. Wharton

NORTHING
EASTING
COORDINATE SYSTEM:

REVIEWER S. Siciliano, P.G., C.E.G.

DEDICATED PUMP SYSTEM:

TYPE/BRAND:
MODEL:
CONTROLLER TYPE:

SEE KEY SHEET FOR SYMBOLS AND ABBREVIATIONS

WELL CONSTRUCTION LOG

DEPTH (ft-bgs)	COMMENTS	GRAPHIC LOG	WELL MATERIAL DEPTH (ft-bgs)	BELOW GROUND SURFACE COMPLETION:	
				SURFACE COMPLETION:	
	1) Groundwater ELEVATION 2) Surge Time 3) Dedicated Pump (ft MSL)			FLUSH-MOUNT PROTECTIVE COVER LOCKING WELL CAP	TYPE Monument WELL CASING DEPTH 2'11"
5	Note: The top 1 ft of each bentonite seal is constructed of Cetco #8 bentonite crumbles, the rest of Wyoben medium bentonite chips.		2.0		BORING DEPTH 90' bgs
10	Screen 1		9.0 10.0		PILOT BORING DIAMETER 4.5"
15			15.0 16.0		REAM BORING DIAMETER 7.75"
20					WELL CONSTRUCTION
25					WELL CONSTRUCTION DATE 10/13/2017
30					WELL DEPTH 86' bgs
35	Screen 2		34.0 35.0		WELL CASING DIAMETER 3/4"
40			40.0 41.0		WELL CASING MATERIAL PVC
45					SCREEN SLOT SIZE/DIRECTION 0.020" Horizontal
50					TOP OF SCREEN 10' / 35' / 55' / 81' bgs
55	Screen 3		54.0 55.0		BOTTOM OF SCREEN 15' / 40' / 60' / 86' bgs
60			60.0 61.0		END CAP/SUMP LENGTH 2"
65					GROUT
70					TOP DEPTH N/A
75					TYPE/BRAND N/A
80	Screen 4		80.0 81.0		QUANTITY USED N/A
85			86.0 87.0		VOLUME FLUID USED N/A
90			90.0		PLACEMENT METHOD N/A
95					BENTONITE SEAL
100					TOP DEPTH 2' / 16' / 41' / 61' bgs
					TYPE/BRAND Wyoben Eviroplug Chips/ Cetco #8 Crumbles
					QUANTITY USED 100 / 400 / 200 / 150 lbs.
					VOLUME FLUID USED ~10 gal per seal
					SET-UP TIME ~15 mins per seal
					PLACEMENT METHOD Tremie
					TRANSITION SAND
					TOP DEPTH N/A
					TYPE/BRAND N/A
					QUANTITY USED N/A
					PLACEMENT METHOD N/A
					SAND/GRAVEL PACK
					TOP DEPTH 9' / 34' / 54' / 80' bgs
					TYPE/BRAND Cemex Lapis Lustre #3
					QUANTITY USED 250 / 175 / 150 / 100 lbs.
					PLACEMENT METHOD Tremie
					BOTTOM FILL
					TOP DEPTH 87' bgs
					TYPE/BRAND Wyoben Enviroplug Medium
					QUANTITY USED 50 lbs.
					PLACEMENT METHOD Tremie

CONTRACTOR BC2 Environmental
EQUIPMENT T150
DRILL MTHD Sonic
DIAMETER 7.75" / 6" / 4.5" OD
LOGGER G. Wharton

NORTHING
EASTING
COORDINATE SYSTEM:
REVIEWER S. Siciliano, P.G., C.E.G.

DEDICATED PUMP SYSTEM:
TYPE/BRAND:
MODEL:
CONTROLLER TYPE:

SEE KEY SHEET FOR SYMBOLS AND ABBREVIATIONS

WELL CONSTRUCTION LOG

DEPTH (ft-bgs)	COMMENTS	ELEVATION (ft MSL)	GRAPHIC LOG	WELL MATERIAL DEPTH (ft-bgs)	BELOW GROUND SURFACE COMPLETION:	
					SURFACE COMPLETION:	
	1) Groundwater 2) Surge Time 3) Dedicated Pump				FLUSH-MOUNT PROTECTIVE COVER LOCKING WELL CAP	TYPE Monument WELL CASING DEPTH 3'5"
5	Note: The top 1 ft of each bentonite seal is constructed of Cetco #8 bentonite crumbles, the rest of Wyoben medium bentonite chips.			2.0		BORING DEPTH 60' bgs PILOT BORING DIAMETER 6" REAM BORING DIAMETER 7.75"
10	Screen 1			11.0 12.0		WELL CONSTRUCTION WELL CONSTRUCTION DATE 10/12/2017 WELL DEPTH 53' bgs WELL CASING DIAMETER 3/4" WELL CASING MATERIAL PVC SCREEN SLOT SIZE/DIRECTION 0.020" Horizontal TOP OF SCREEN 12' / 30' / 48' bgs BOTTOM OF SCREEN 17' / 35' / 53' bgs END CAP/SUMP LENGTH 2"
15				17.0 18.0		GROUT TOP DEPTH N/A TYPE/BRAND N/A QUANTITY USED N/A VOLUME FLUID USED N/A PLACEMENT METHOD N/A
20				29.0 30.0		BENTONITE SEAL TOP DEPTH 2' / 18' / 37' bgs TYPE/BRAND Wyoben Eviroplug Chips/ Cetco #8 Crumbles QUANTITY USED 150 / 200 / 150 lbs. VOLUME FLUID USED ~10 gal per seal SET-UP TIME ~15 mins per seal PLACEMENT METHOD Tremie
25				35.0 36.0		TRANSITION SAND TOP DEPTH N/A TYPE/BRAND N/A QUANTITY USED N/A PLACEMENT METHOD N/A
30	Screen 2			47.0 48.0		SAND/GRAVEL PACK TOP DEPTH 11' / 29' / 47' bgs TYPE/BRAND Cemex Lapis Lustre #3 QUANTITY USED 250 / 150 / 125 lbs. PLACEMENT METHOD Tremie
35				53.0 54.0		BOTTOM FILL TOP DEPTH 54' bgs TYPE/BRAND Wyoben Eviroplug Medium QUANTITY USED 50 lbs. PLACEMENT METHOD Tremie
40				60.0		
45						
50	Screen 3					
55						
60						
65						
70						
75						
80						
85						
90						
95						
100						

CONTRACTOR BC2 Environmental
EQUIPMENT T150
DRILL MTHD Sonic
DIAMETER 7.75" / 6" OD
LOGGER G. Wharton

NORTHING
EASTING
COORDINATE SYSTEM:
REVIEWER S. Siciliano, P.G., C.E.G

DEDICATED PUMP SYSTEM:
TYPE/BRAND:
MODEL:
CONTROLLER TYPE:

SEE KEY SHEET FOR SYMBOLS AND ABBREVIATIONS

WELL CONSTRUCTION LOG

DEPTH (ft-bgs)	COMMENTS	GRAPHIC LOG	WELL MATERIAL DEPTH (ft-bgs)	BELOW GROUND SURFACE COMPLETION:	
				SURFACE COMPLETION:	
	1) Groundwater ELEVATION 2) Surge Time 3) Dedicated Pump (ft MSL)			FLUSH-MOUNT PROTECTIVE COVER LOCKING WELL CAP	TYPE Monument WELL CASING DEPTH 2'8"
5	Note: The top 1 ft of each bentonite seal is constructed of Cetco #8 bentonite crumbles, the rest of Wyoben medium bentonite chips.		2.0		BORING DEPTH 90' bgs PILOT BORING DIAMETER 4.5" REAM BORING DIAMETER 7.75"
10	Screen 1		11.0 12.0		WELL CONSTRUCTION WELL CONSTRUCTION DATE 10/12/2017 WELL DEPTH 80' bgs WELL CASING DIAMETER 3/4" WELL CASING MATERIAL PVC SCREEN SLOT SIZE/DIRECTION 0.020" Horizontal TOP OF SCREEN 12' / 32' / 52' / 75' bgs BOTTOM OF SCREEN 17' / 37' / 57' / 80' END CAP/SUMP LENGTH 2"
15			17.0 18.0		GROUT TOP DEPTH N/A TYPE/BRAND N/A QUANTITY USED N/A VOLUME FLUID USED N/A PLACEMENT METHOD N/A
20					BENTONITE SEAL TOP DEPTH 2' / 18' / 38' / 58' bgs TYPE/BRAND Wyoben Eviroplug Chips/ Cetco #8 Crumbles QUANTITY USED 150 / 250 / 200 / 400 lbs. VOLUME FLUID USED ~10 gal per seal SET-UP TIME ~15 mins per seal PLACEMENT METHOD Tremie
25			31.0 32.0		TRANSITION SAND TOP DEPTH N/A TYPE/BRAND N/A QUANTITY USED N/A PLACEMENT METHOD N/A
30	Screen 2		37.0 38.0		SAND/GRAVEL PACK TOP DEPTH 11' / 31' / 51' / 74' bgs TYPE/BRAND Cemex Lapis Lustre #3 QUANTITY USED 250 / 350 / 250 / 250 lbs. PLACEMENT METHOD Tremie
35					BOTTOM FILL TOP DEPTH 81' bgs TYPE/BRAND Wyoben Enviroplug Medium QUANTITY USED 100 lbs. PLACEMENT METHOD Tremie
40			51.0 52.0		
45			57.0 58.0		
50	Screen 3				
55			74.0 75.0		
60			80.0 81.0		
65					
70					
75	Screen 4				
80					
85					
90					
95					
100					

CONTRACTOR BC2 Environmental
EQUIPMENT T150
DRILL MTHD Sonic
DIAMETER 7.75" / 6" / 4.5" OD
LOGGER D. Dowd

NORTHING
EASTING
COORDINATE SYSTEM:
REVIEWER S. Siciliano, P.G., C.E.G.

DEDICATED PUMP SYSTEM:
TYPE/BRAND:
MODEL:
CONTROLLER TYPE:

SEE KEY SHEET FOR SYMBOLS AND ABBREVIATIONS

APPENDIX C

Laboratory Reports, Soil



Calscience

Supplemental Report 1

The original report has been revised/corrected.



WORK ORDER NUMBER: 17-10-0625

The difference is service



AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: Geosyntec Consultants

Client Project Name: 777 N. Front Street / HR1305D-01

Attention: Goodwin Wharton
2100 Main Street
Suite 150
Huntington Beach, CA 92648-2460

Approved for release on 11/14/2017 by:
Stephen Nowak
Project Manager

ResultLink ▶

Email your PM ▶

Eurofins Calscience, Inc. (Calscience) certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any defense to any litigation which may arise.

Contents

Client Project Name: 777 N. Front Street / HR1305D-01
 Work Order Number: 17-10-0625

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Condition Upon Receipt:

Samples were received under Chain-of-Custody (COC) on 10/09/17. They were assigned to Work Order 17-10-0625.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

Holding Times:

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of ≤ 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

Quality Control:

All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

Subcontractor Information:

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.

Additional Comments:

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.

Sample Summary

Client:	Geosyntec Consultants	Work Order:	17-10-0625
	2100 Main Street, Suite 150	Project Name:	777 N. Front Street / HR1305D-01
	Huntington Beach, CA 92648-2460	PO Number:	
		Date/Time Received:	10/09/17 17:55
		Number of Containers:	22

Attn: Goodwin Wharton

Sample Identification	Lab Number	Collection Date and Time	Number of Containers	Matrix
NP-1-12	17-10-0625-1	10/09/17 09:20	4	Solid
NP-1-22	17-10-0625-2	10/09/17 09:40	4	Solid
NP-1-50	17-10-0625-3	10/09/17 10:15	4	Solid
NP-1-67	17-10-0625-4	10/09/17 10:45	4	Solid
NP-1-88	17-10-0625-5	10/09/17 11:40	4	Solid
EB-NP-1	17-10-0625-6	10/09/17 14:55	2	Aqueous



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Detections Summary

Client: Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

Work Order: 17-10-0625
Project Name: 777 N. Front Street / HR1305D-01
Received: 10/09/17

Attn: Goodwin Wharton

Page 1 of 1

Client SampleID

<u>Analyte</u>	<u>Result</u>	<u>Qualifiers</u>	<u>RL</u>	<u>Units</u>	<u>Method</u>	<u>Extraction</u>
NP-1-12 (17-10-0625-1)						
Acetone	6.2	J	4.6*	ug/kg	EPA 8260B	EPA 5035
Tetrachloroethene	0.47	J	0.15*	ug/kg	EPA 8260B	EPA 5035
NP-1-22 (17-10-0625-2)						
Acetone	8.0	J	5.0*	ug/kg	EPA 8260B	EPA 5035
Tetrachloroethene	0.31	J	0.17*	ug/kg	EPA 8260B	EPA 5035
NP-1-50 (17-10-0625-3)						
Acetone	5.6	J	5.3*	ug/kg	EPA 8260B	EPA 5035
Benzene	2.9		0.84	ug/kg	EPA 8260B	EPA 5035
2-Butanone	4.9	J	3.2*	ug/kg	EPA 8260B	EPA 5035
Chloromethane	0.28	J	0.26*	ug/kg	EPA 8260B	EPA 5035
Ethylbenzene	0.15	J	0.13*	ug/kg	EPA 8260B	EPA 5035
Toluene	1.4		0.84	ug/kg	EPA 8260B	EPA 5035
p/m-Xylene	0.33	J	0.23*	ug/kg	EPA 8260B	EPA 5035
NP-1-88 (17-10-0625-5)						
Chlorobenzene	0.33	B,J	0.21*	ug/kg	EPA 8260B	EPA 5035

Subcontracted analyses, if any, are not included in this summary.

Return to Contents

* MDL is shown



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Analytical Report

Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

Date Received: 10/09/17
Work Order: 17-10-0625
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Project: 777 N. Front Street / HR1305D-01

Page 1 of 4

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
EB-NP-1	17-10-0625-6-A	10/09/17 14:55	Aqueous	GC/MS JJ	10/12/17	10/13/17 01:00	171012L036

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	20	1.00	
Benzene	ND	0.50	1.00	
Bromobenzene	ND	1.0	1.00	
Bromochloromethane	ND	1.0	1.00	
Bromodichloromethane	ND	1.0	1.00	
Bromoform	ND	1.0	1.00	
Bromomethane	ND	10	1.00	
2-Butanone	ND	10	1.00	
n-Butylbenzene	ND	1.0	1.00	
sec-Butylbenzene	ND	1.0	1.00	
tert-Butylbenzene	ND	1.0	1.00	
Carbon Disulfide	ND	10	1.00	
Carbon Tetrachloride	ND	0.50	1.00	
Chlorobenzene	ND	1.0	1.00	
Chloroethane	ND	5.0	1.00	
Chloroform	ND	1.0	1.00	
Chloromethane	ND	10	1.00	
2-Chlorotoluene	ND	1.0	1.00	
4-Chlorotoluene	ND	1.0	1.00	
Dibromochloromethane	ND	1.0	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.00	
1,2-Dibromoethane	ND	1.0	1.00	
Dibromomethane	ND	1.0	1.00	
1,2-Dichlorobenzene	ND	1.0	1.00	
1,3-Dichlorobenzene	ND	1.0	1.00	
1,4-Dichlorobenzene	ND	1.0	1.00	
Dichlorodifluoromethane	ND	1.0	1.00	
1,1-Dichloroethane	ND	1.0	1.00	
1,2-Dichloroethane	ND	0.50	1.00	
1,1-Dichloroethene	ND	1.0	1.00	
c-1,2-Dichloroethene	ND	1.0	1.00	
t-1,2-Dichloroethene	ND	1.0	1.00	
1,2-Dichloropropane	ND	1.0	1.00	
1,3-Dichloropropane	ND	1.0	1.00	
2,2-Dichloropropane	ND	1.0	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



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Analytical Report

Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

Date Received: 10/09/17
Work Order: 17-10-0625
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Project: 777 N. Front Street / HR1305D-01

Page 2 of 4

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
1,1-Dichloropropene	ND	1.0	1.00	
c-1,3-Dichloropropene	ND	0.50	1.00	
t-1,3-Dichloropropene	ND	0.50	1.00	
Ethylbenzene	ND	1.0	1.00	
2-Hexanone	ND	10	1.00	
Isopropylbenzene	ND	1.0	1.00	
p-Isopropyltoluene	ND	1.0	1.00	
Methylene Chloride	ND	10	1.00	
4-Methyl-2-Pentanone	ND	10	1.00	
Naphthalene	ND	10	1.00	
n-Propylbenzene	ND	1.0	1.00	
Styrene	ND	1.0	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	1.00	
Tetrachloroethene	ND	1.0	1.00	
Toluene	ND	1.0	1.00	
1,2,3-Trichlorobenzene	ND	1.0	1.00	
1,2,4-Trichlorobenzene	ND	1.0	1.00	
1,1,1-Trichloroethane	ND	1.0	1.00	
Hexachloro-1,3-Butadiene	ND	20	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1.00	
1,1,2-Trichloroethane	ND	1.0	1.00	
Trichloroethene	ND	1.0	1.00	
Trichlorofluoromethane	ND	10	1.00	
1,2,3-Trichloropropane	ND	5.0	1.00	
1,2,4-Trimethylbenzene	ND	1.0	1.00	
1,3,5-Trimethylbenzene	ND	1.0	1.00	
Vinyl Acetate	ND	10	1.00	
Vinyl Chloride	ND	0.50	1.00	
p/m-Xylene	ND	1.0	1.00	
o-Xylene	ND	1.0	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	97	78-120	
Dibromofluoromethane	101	80-126	
1,2-Dichloroethane-d4	101	80-129	
Toluene-d8	100	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



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Analytical Report

Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

Date Received: 10/09/17
Work Order: 17-10-0625
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Project: 777 N. Front Street / HR1305D-01

Page 3 of 4

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-14-316-3669	N/A	Aqueous	GC/MS JJ	10/12/17	10/13/17 00:29	171012L036

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	20	1.00	
Benzene	ND	0.50	1.00	
Bromobenzene	ND	1.0	1.00	
Bromochloromethane	ND	1.0	1.00	
Bromodichloromethane	ND	1.0	1.00	
Bromoform	ND	1.0	1.00	
Bromomethane	ND	10	1.00	
2-Butanone	ND	10	1.00	
n-Butylbenzene	ND	1.0	1.00	
sec-Butylbenzene	ND	1.0	1.00	
tert-Butylbenzene	ND	1.0	1.00	
Carbon Disulfide	ND	10	1.00	
Carbon Tetrachloride	ND	0.50	1.00	
Chlorobenzene	ND	1.0	1.00	
Chloroethane	ND	5.0	1.00	
Chloroform	ND	1.0	1.00	
Chloromethane	ND	10	1.00	
2-Chlorotoluene	ND	1.0	1.00	
4-Chlorotoluene	ND	1.0	1.00	
Dibromochloromethane	ND	1.0	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.00	
1,2-Dibromoethane	ND	1.0	1.00	
Dibromomethane	ND	1.0	1.00	
1,2-Dichlorobenzene	ND	1.0	1.00	
1,3-Dichlorobenzene	ND	1.0	1.00	
1,4-Dichlorobenzene	ND	1.0	1.00	
Dichlorodifluoromethane	ND	1.0	1.00	
1,1-Dichloroethane	ND	1.0	1.00	
1,2-Dichloroethane	ND	0.50	1.00	
1,1-Dichloroethene	ND	1.0	1.00	
c-1,2-Dichloroethene	ND	1.0	1.00	
t-1,2-Dichloroethene	ND	1.0	1.00	
1,2-Dichloropropane	ND	1.0	1.00	
1,3-Dichloropropane	ND	1.0	1.00	
2,2-Dichloropropane	ND	1.0	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

Date Received: 10/09/17
Work Order: 17-10-0625
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Project: 777 N. Front Street / HR1305D-01

Page 4 of 4

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
1,1-Dichloropropene	ND	1.0	1.00	
c-1,3-Dichloropropene	ND	0.50	1.00	
t-1,3-Dichloropropene	ND	0.50	1.00	
Ethylbenzene	ND	1.0	1.00	
2-Hexanone	ND	10	1.00	
Isopropylbenzene	ND	1.0	1.00	
p-Isopropyltoluene	ND	1.0	1.00	
Methylene Chloride	ND	10	1.00	
4-Methyl-2-Pentanone	ND	10	1.00	
Naphthalene	ND	10	1.00	
n-Propylbenzene	ND	1.0	1.00	
Styrene	ND	1.0	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	1.00	
Tetrachloroethene	ND	1.0	1.00	
Toluene	ND	1.0	1.00	
1,2,3-Trichlorobenzene	ND	1.0	1.00	
1,2,4-Trichlorobenzene	ND	1.0	1.00	
1,1,1-Trichloroethane	ND	1.0	1.00	
Hexachloro-1,3-Butadiene	ND	20	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1.00	
1,1,2-Trichloroethane	ND	1.0	1.00	
Trichloroethene	ND	1.0	1.00	
Trichlorofluoromethane	ND	10	1.00	
1,2,3-Trichloropropane	ND	5.0	1.00	
1,2,4-Trimethylbenzene	ND	1.0	1.00	
1,3,5-Trimethylbenzene	ND	1.0	1.00	
Vinyl Acetate	ND	10	1.00	
Vinyl Chloride	ND	0.50	1.00	
p/m-Xylene	ND	1.0	1.00	
o-Xylene	ND	1.0	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	100	78-120	
Dibromofluoromethane	102	80-126	
1,2-Dichloroethane-d4	106	80-129	
Toluene-d8	100	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

Date Received: 10/09/17
Work Order: 17-10-0625
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: 777 N. Front Street / HR1305D-01

Page 1 of 14

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
NP-1-12	17-10-0625-1-C	10/09/17 09:20	Solid	GC/MS LL	10/09/17	10/13/17 12:48	171013L009

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	6.2	36	4.6	1.00	J
Benzene	ND	0.73	0.095	1.00	
Bromobenzene	ND	0.73	0.15	1.00	
Bromochloromethane	ND	1.5	0.50	1.00	
Bromodichloromethane	ND	0.73	0.17	1.00	
Bromoform	ND	3.6	0.58	1.00	
Bromomethane	ND	15	6.9	1.00	
2-Butanone	ND	15	2.8	1.00	
n-Butylbenzene	ND	0.73	0.11	1.00	
sec-Butylbenzene	ND	0.73	0.42	1.00	
tert-Butylbenzene	ND	0.73	0.11	1.00	
Carbon Disulfide	ND	7.3	0.22	1.00	
Carbon Tetrachloride	ND	0.73	0.21	1.00	
Chlorobenzene	ND	0.73	0.16	1.00	
Chloroethane	ND	1.5	1.1	1.00	
Chloroform	ND	0.73	0.17	1.00	
Chloromethane	ND	15	0.22	1.00	
2-Chlorotoluene	ND	0.73	0.17	1.00	
4-Chlorotoluene	ND	0.73	0.16	1.00	
Dibromochloromethane	ND	1.5	0.42	1.00	
1,2-Dibromo-3-Chloropropane	ND	3.6	1.3	1.00	
1,2-Dibromoethane	ND	0.73	0.19	1.00	
Dibromomethane	ND	0.73	0.57	1.00	
1,2-Dichlorobenzene	ND	0.73	0.17	1.00	
1,3-Dichlorobenzene	ND	0.73	0.13	1.00	
1,4-Dichlorobenzene	ND	0.73	0.16	1.00	
Dichlorodifluoromethane	ND	1.5	0.32	1.00	
1,1-Dichloroethane	ND	0.73	0.15	1.00	
1,2-Dichloroethane	ND	0.73	0.23	1.00	
1,1-Dichloroethene	ND	0.73	0.25	1.00	
c-1,2-Dichloroethene	ND	0.73	0.20	1.00	
t-1,2-Dichloroethene	ND	0.73	0.37	1.00	
1,2-Dichloropropane	ND	0.73	0.32	1.00	
1,3-Dichloropropane	ND	0.73	0.18	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

Date Received: 10/09/17
Work Order: 17-10-0625
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: 777 N. Front Street / HR1305D-01

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<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>MDL</u>	<u>DF</u>	<u>Qualifiers</u>
2,2-Dichloropropane	ND	3.6	0.24	1.00	
1,1-Dichloropropene	ND	1.5	0.24	1.00	
c-1,3-Dichloropropene	ND	0.73	0.19	1.00	
t-1,3-Dichloropropene	ND	1.5	0.44	1.00	
Ethylbenzene	ND	0.73	0.11	1.00	
2-Hexanone	ND	15	1.3	1.00	
Isopropylbenzene	ND	0.73	0.40	1.00	
p-Isopropyltoluene	ND	0.73	0.46	1.00	
Methylene Chloride	ND	7.3	0.98	1.00	
4-Methyl-2-Pentanone	ND	15	3.2	1.00	
Naphthalene	ND	7.3	0.59	1.00	
n-Propylbenzene	ND	1.5	0.37	1.00	
Styrene	ND	0.73	0.44	1.00	
1,1,1,2-Tetrachloroethane	ND	0.73	0.18	1.00	
1,1,2,2-Tetrachloroethane	ND	1.5	0.25	1.00	
Tetrachloroethene	0.47	0.73	0.15	1.00	J
Toluene	ND	0.73	0.38	1.00	
1,2,3-Trichlorobenzene	ND	1.5	0.67	1.00	
1,2,4-Trichlorobenzene	ND	1.5	0.23	1.00	
1,1,1-Trichloroethane	ND	0.73	0.16	1.00	
1,1,2-Trichloroethane	ND	0.73	0.26	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	7.3	0.26	1.00	
Trichloroethene	ND	1.5	0.22	1.00	
Trichlorofluoromethane	ND	7.3	0.27	1.00	
1,2,3-Trichloropropane	ND	1.5	0.61	1.00	
1,2,4-Trimethylbenzene	ND	1.5	0.43	1.00	
1,3,5-Trimethylbenzene	ND	1.5	0.40	1.00	
Vinyl Acetate	ND	7.3	3.5	1.00	
Vinyl Chloride	ND	0.73	0.37	1.00	
p/m-Xylene	ND	1.5	0.20	1.00	
o-Xylene	ND	0.73	0.41	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.5	0.22	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	97	80-120	
Dibromofluoromethane	104	79-133	
1,2-Dichloroethane-d4	112	71-155	
Toluene-d8	102	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

Date Received: 10/09/17
Work Order: 17-10-0625
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: 777 N. Front Street / HR1305D-01

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
NP-1-22	17-10-0625-2-C	10/09/17 09:40	Solid	GC/MS LL	10/09/17	10/13/17 13:16	171013L009

Comment(s): - Results were evaluated to the MDL (DL), concentrations $\geq$ to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	8.0	40	5.0	1.00	J
Benzene	ND	0.80	0.10	1.00	
Bromobenzene	ND	0.80	0.17	1.00	
Bromochloromethane	ND	1.6	0.55	1.00	
Bromodichloromethane	ND	0.80	0.19	1.00	
Bromoform	ND	4.0	0.63	1.00	
Bromomethane	ND	16	7.5	1.00	
2-Butanone	ND	16	3.0	1.00	
n-Butylbenzene	ND	0.80	0.12	1.00	
sec-Butylbenzene	ND	0.80	0.46	1.00	
tert-Butylbenzene	ND	0.80	0.12	1.00	
Carbon Disulfide	ND	8.0	0.24	1.00	
Carbon Tetrachloride	ND	0.80	0.23	1.00	
Chlorobenzene	ND	0.80	0.18	1.00	
Chloroethane	ND	1.6	1.2	1.00	
Chloroform	ND	0.80	0.19	1.00	
Chloromethane	ND	16	0.24	1.00	
2-Chlorotoluene	ND	0.80	0.18	1.00	
4-Chlorotoluene	ND	0.80	0.17	1.00	
Dibromochloromethane	ND	1.6	0.45	1.00	
1,2-Dibromo-3-Chloropropane	ND	4.0	1.4	1.00	
1,2-Dibromoethane	ND	0.80	0.20	1.00	
Dibromomethane	ND	0.80	0.62	1.00	
1,2-Dichlorobenzene	ND	0.80	0.18	1.00	
1,3-Dichlorobenzene	ND	0.80	0.14	1.00	
1,4-Dichlorobenzene	ND	0.80	0.18	1.00	
Dichlorodifluoromethane	ND	1.6	0.35	1.00	
1,1-Dichloroethane	ND	0.80	0.17	1.00	
1,2-Dichloroethane	ND	0.80	0.25	1.00	
1,1-Dichloroethene	ND	0.80	0.28	1.00	
c-1,2-Dichloroethene	ND	0.80	0.22	1.00	
t-1,2-Dichloroethene	ND	0.80	0.40	1.00	
1,2-Dichloropropane	ND	0.80	0.35	1.00	
1,3-Dichloropropane	ND	0.80	0.20	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

Date Received: 10/09/17
Work Order: 17-10-0625
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: 777 N. Front Street / HR1305D-01

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Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	4.0	0.26	1.00	
1,1-Dichloropropene	ND	1.6	0.26	1.00	
c-1,3-Dichloropropene	ND	0.80	0.20	1.00	
t-1,3-Dichloropropene	ND	1.6	0.48	1.00	
Ethylbenzene	ND	0.80	0.12	1.00	
2-Hexanone	ND	16	1.4	1.00	
Isopropylbenzene	ND	0.80	0.43	1.00	
p-Isopropyltoluene	ND	0.80	0.50	1.00	
Methylene Chloride	ND	8.0	1.1	1.00	
4-Methyl-2-Pentanone	ND	16	3.4	1.00	
Naphthalene	ND	8.0	0.65	1.00	
n-Propylbenzene	ND	1.6	0.40	1.00	
Styrene	ND	0.80	0.48	1.00	
1,1,1,2-Tetrachloroethane	ND	0.80	0.19	1.00	
1,1,2,2-Tetrachloroethane	ND	1.6	0.28	1.00	
Tetrachloroethene	0.31	0.80	0.17	1.00	J
Toluene	ND	0.80	0.41	1.00	
1,2,3-Trichlorobenzene	ND	1.6	0.73	1.00	
1,2,4-Trichlorobenzene	ND	1.6	0.25	1.00	
1,1,1-Trichloroethane	ND	0.80	0.18	1.00	
1,1,2-Trichloroethane	ND	0.80	0.28	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	8.0	0.28	1.00	
Trichloroethene	ND	1.6	0.24	1.00	
Trichlorofluoromethane	ND	8.0	0.30	1.00	
1,2,3-Trichloropropane	ND	1.6	0.66	1.00	
1,2,4-Trimethylbenzene	ND	1.6	0.47	1.00	
1,3,5-Trimethylbenzene	ND	1.6	0.44	1.00	
Vinyl Acetate	ND	8.0	3.8	1.00	
Vinyl Chloride	ND	0.80	0.40	1.00	
p/m-Xylene	ND	1.6	0.21	1.00	
o-Xylene	ND	0.80	0.44	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.6	0.24	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	94	80-120	
Dibromofluoromethane	104	79-133	
1,2-Dichloroethane-d4	108	71-155	
Toluene-d8	102	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

Date Received: 10/09/17
Work Order: 17-10-0625
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: 777 N. Front Street / HR1305D-01

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
NP-1-50	17-10-0625-3-C	10/09/17 10:15	Solid	GC/MS LL	10/09/17	10/13/17 13:45	171013L009

Comment(s): - Results were evaluated to the MDL (DL), concentrations $\geq$ to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	5.6	42	5.3	1.00	J
Benzene	2.9	0.84	0.11	1.00	
Bromobenzene	ND	0.84	0.18	1.00	
Bromochloromethane	ND	1.7	0.58	1.00	
Bromodichloromethane	ND	0.84	0.20	1.00	
Bromoform	ND	4.2	0.67	1.00	
Bromomethane	ND	17	7.9	1.00	
2-Butanone	4.9	17	3.2	1.00	J
n-Butylbenzene	ND	0.84	0.13	1.00	
sec-Butylbenzene	ND	0.84	0.49	1.00	
tert-Butylbenzene	ND	0.84	0.13	1.00	
Carbon Disulfide	ND	8.4	0.26	1.00	
Carbon Tetrachloride	ND	0.84	0.24	1.00	
Chlorobenzene	ND	0.84	0.19	1.00	
Chloroethane	ND	1.7	1.3	1.00	
Chloroform	ND	0.84	0.20	1.00	
Chloromethane	0.28	17	0.26	1.00	J
2-Chlorotoluene	ND	0.84	0.19	1.00	
4-Chlorotoluene	ND	0.84	0.18	1.00	
Dibromochloromethane	ND	1.7	0.48	1.00	
1,2-Dibromo-3-Chloropropane	ND	4.2	1.5	1.00	
1,2-Dibromoethane	ND	0.84	0.21	1.00	
Dibromomethane	ND	0.84	0.65	1.00	
1,2-Dichlorobenzene	ND	0.84	0.19	1.00	
1,3-Dichlorobenzene	ND	0.84	0.15	1.00	
1,4-Dichlorobenzene	ND	0.84	0.19	1.00	
Dichlorodifluoromethane	ND	1.7	0.37	1.00	
1,1-Dichloroethane	ND	0.84	0.18	1.00	
1,2-Dichloroethane	ND	0.84	0.26	1.00	
1,1-Dichloroethene	ND	0.84	0.29	1.00	
c-1,2-Dichloroethene	ND	0.84	0.24	1.00	
t-1,2-Dichloroethene	ND	0.84	0.43	1.00	
1,2-Dichloropropane	ND	0.84	0.37	1.00	
1,3-Dichloropropane	ND	0.84	0.21	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

Date Received: 10/09/17
Work Order: 17-10-0625
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: 777 N. Front Street / HR1305D-01

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<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>MDL</u>	<u>DF</u>	<u>Qualifiers</u>
2,2-Dichloropropane	ND	4.2	0.28	1.00	
1,1-Dichloropropene	ND	1.7	0.28	1.00	
c-1,3-Dichloropropene	ND	0.84	0.21	1.00	
t-1,3-Dichloropropene	ND	1.7	0.51	1.00	
Ethylbenzene	0.15	0.84	0.13	1.00	J
2-Hexanone	ND	17	1.5	1.00	
Isopropylbenzene	ND	0.84	0.46	1.00	
p-Isopropyltoluene	ND	0.84	0.53	1.00	
Methylene Chloride	ND	8.4	1.1	1.00	
4-Methyl-2-Pentanone	ND	17	3.6	1.00	
Naphthalene	ND	8.4	0.69	1.00	
n-Propylbenzene	ND	1.7	0.42	1.00	
Styrene	ND	0.84	0.51	1.00	
1,1,1,2-Tetrachloroethane	ND	0.84	0.20	1.00	
1,1,2,2-Tetrachloroethane	ND	1.7	0.29	1.00	
Tetrachloroethene	ND	0.84	0.18	1.00	
Toluene	1.4	0.84	0.43	1.00	
1,2,3-Trichlorobenzene	ND	1.7	0.77	1.00	
1,2,4-Trichlorobenzene	ND	1.7	0.26	1.00	
1,1,1-Trichloroethane	ND	0.84	0.19	1.00	
1,1,2-Trichloroethane	ND	0.84	0.30	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	8.4	0.30	1.00	
Trichloroethene	ND	1.7	0.25	1.00	
Trichlorofluoromethane	ND	8.4	0.32	1.00	
1,2,3-Trichloropropane	ND	1.7	0.70	1.00	
1,2,4-Trimethylbenzene	ND	1.7	0.49	1.00	
1,3,5-Trimethylbenzene	ND	1.7	0.46	1.00	
Vinyl Acetate	ND	8.4	4.0	1.00	
Vinyl Chloride	ND	0.84	0.42	1.00	
p/m-Xylene	0.33	1.7	0.23	1.00	J
o-Xylene	ND	0.84	0.47	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.7	0.25	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	97	80-120	
Dibromofluoromethane	108	79-133	
1,2-Dichloroethane-d4	113	71-155	
Toluene-d8	103	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

Date Received: 10/09/17
Work Order: 17-10-0625
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: 777 N. Front Street / HR1305D-01

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
NP-1-67	17-10-0625-4-C	10/09/17 10:45	Solid	GC/MS LL	10/09/17	10/13/17 14:14	171013L009

Comment(s): - Results were evaluated to the MDL (DL), concentrations $\geq$ to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	47	5.9	1.00	
Benzene	ND	0.95	0.12	1.00	
Bromobenzene	ND	0.95	0.20	1.00	
Bromochloromethane	ND	1.9	0.65	1.00	
Bromodichloromethane	ND	0.95	0.22	1.00	
Bromoform	ND	4.7	0.75	1.00	
Bromomethane	ND	19	8.9	1.00	
2-Butanone	ND	19	3.6	1.00	
n-Butylbenzene	ND	0.95	0.15	1.00	
sec-Butylbenzene	ND	0.95	0.55	1.00	
tert-Butylbenzene	ND	0.95	0.14	1.00	
Carbon Disulfide	ND	9.5	0.29	1.00	
Carbon Tetrachloride	ND	0.95	0.27	1.00	
Chlorobenzene	ND	0.95	0.21	1.00	
Chloroethane	ND	1.9	1.4	1.00	
Chloroform	ND	0.95	0.23	1.00	
Chloromethane	ND	19	0.29	1.00	
2-Chlorotoluene	ND	0.95	0.22	1.00	
4-Chlorotoluene	ND	0.95	0.20	1.00	
Dibromochloromethane	ND	1.9	0.54	1.00	
1,2-Dibromo-3-Chloropropane	ND	4.7	1.6	1.00	
1,2-Dibromoethane	ND	0.95	0.24	1.00	
Dibromomethane	ND	0.95	0.73	1.00	
1,2-Dichlorobenzene	ND	0.95	0.22	1.00	
1,3-Dichlorobenzene	ND	0.95	0.17	1.00	
1,4-Dichlorobenzene	ND	0.95	0.21	1.00	
Dichlorodifluoromethane	ND	1.9	0.42	1.00	
1,1-Dichloroethane	ND	0.95	0.20	1.00	
1,2-Dichloroethane	ND	0.95	0.30	1.00	
1,1-Dichloroethene	ND	0.95	0.33	1.00	
c-1,2-Dichloroethene	ND	0.95	0.26	1.00	
t-1,2-Dichloroethene	ND	0.95	0.48	1.00	
1,2-Dichloropropane	ND	0.95	0.41	1.00	
1,3-Dichloropropane	ND	0.95	0.24	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

Date Received: 10/09/17
Work Order: 17-10-0625
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: 777 N. Front Street / HR1305D-01

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<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>MDL</u>	<u>DF</u>	<u>Qualifiers</u>
2,2-Dichloropropane	ND	4.7	0.31	1.00	
1,1-Dichloropropene	ND	1.9	0.31	1.00	
c-1,3-Dichloropropene	ND	0.95	0.24	1.00	
t-1,3-Dichloropropene	ND	1.9	0.57	1.00	
Ethylbenzene	ND	0.95	0.14	1.00	
2-Hexanone	ND	19	1.7	1.00	
Isopropylbenzene	ND	0.95	0.52	1.00	
p-Isopropyltoluene	ND	0.95	0.60	1.00	
Methylene Chloride	ND	9.5	1.3	1.00	
4-Methyl-2-Pentanone	ND	19	4.1	1.00	
Naphthalene	ND	9.5	0.77	1.00	
n-Propylbenzene	ND	1.9	0.48	1.00	
Styrene	ND	0.95	0.57	1.00	
1,1,1,2-Tetrachloroethane	ND	0.95	0.23	1.00	
1,1,2,2-Tetrachloroethane	ND	1.9	0.33	1.00	
Tetrachloroethene	ND	0.95	0.20	1.00	
Toluene	ND	0.95	0.49	1.00	
1,2,3-Trichlorobenzene	ND	1.9	0.86	1.00	
1,2,4-Trichlorobenzene	ND	1.9	0.29	1.00	
1,1,1-Trichloroethane	ND	0.95	0.21	1.00	
1,1,2-Trichloroethane	ND	0.95	0.34	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	9.5	0.33	1.00	
Trichloroethene	ND	1.9	0.28	1.00	
Trichlorofluoromethane	ND	9.5	0.36	1.00	
1,2,3-Trichloropropane	ND	1.9	0.79	1.00	
1,2,4-Trimethylbenzene	ND	1.9	0.56	1.00	
1,3,5-Trimethylbenzene	ND	1.9	0.52	1.00	
Vinyl Acetate	ND	9.5	4.5	1.00	
Vinyl Chloride	ND	0.95	0.48	1.00	
p/m-Xylene	ND	1.9	0.25	1.00	
o-Xylene	ND	0.95	0.53	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.9	0.28	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	95	80-120	
Dibromofluoromethane	106	79-133	
1,2-Dichloroethane-d4	112	71-155	
Toluene-d8	101	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

Date Received: 10/09/17
Work Order: 17-10-0625
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: 777 N. Front Street / HR1305D-01

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
NP-1-88	17-10-0625-5-C	10/09/17 11:40	Solid	GC/MS LL	10/09/17	10/14/17 13:51	171014L006

Comment(s): - Results were evaluated to the MDL (DL), concentrations $\geq$ to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	47	5.9	1.00	
Benzene	ND	0.95	0.12	1.00	
Bromobenzene	ND	0.95	0.20	1.00	
Bromochloromethane	ND	1.9	0.66	1.00	
Bromodichloromethane	ND	0.95	0.22	1.00	
Bromoform	ND	4.7	0.75	1.00	
Bromomethane	ND	19	8.9	1.00	
2-Butanone	ND	19	3.6	1.00	
n-Butylbenzene	ND	0.95	0.15	1.00	
sec-Butylbenzene	ND	0.95	0.55	1.00	
tert-Butylbenzene	ND	0.95	0.14	1.00	
Carbon Disulfide	ND	9.5	0.29	1.00	
Carbon Tetrachloride	ND	0.95	0.27	1.00	
Chlorobenzene	0.33	0.95	0.21	1.00	B,J
Chloroethane	ND	1.9	1.4	1.00	
Chloroform	ND	0.95	0.23	1.00	
Chloromethane	ND	19	0.29	1.00	
2-Chlorotoluene	ND	0.95	0.22	1.00	
4-Chlorotoluene	ND	0.95	0.20	1.00	
Dibromochloromethane	ND	1.9	0.54	1.00	
1,2-Dibromo-3-Chloropropane	ND	4.7	1.7	1.00	
1,2-Dibromoethane	ND	0.95	0.24	1.00	
Dibromomethane	ND	0.95	0.73	1.00	
1,2-Dichlorobenzene	ND	0.95	0.22	1.00	
1,3-Dichlorobenzene	ND	0.95	0.17	1.00	
1,4-Dichlorobenzene	ND	0.95	0.21	1.00	
Dichlorodifluoromethane	ND	1.9	0.42	1.00	
1,1-Dichloroethane	ND	0.95	0.20	1.00	
1,2-Dichloroethane	ND	0.95	0.30	1.00	
1,1-Dichloroethene	ND	0.95	0.33	1.00	
c-1,2-Dichloroethene	ND	0.95	0.27	1.00	
t-1,2-Dichloroethene	ND	0.95	0.48	1.00	
1,2-Dichloropropane	ND	0.95	0.42	1.00	
1,3-Dichloropropane	ND	0.95	0.24	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

Date Received: 10/09/17
Work Order: 17-10-0625
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: 777 N. Front Street / HR1305D-01

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<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>MDL</u>	<u>DF</u>	<u>Qualifiers</u>
2,2-Dichloropropane	ND	4.7	0.31	1.00	
1,1-Dichloropropene	ND	1.9	0.31	1.00	
c-1,3-Dichloropropene	ND	0.95	0.24	1.00	
t-1,3-Dichloropropene	ND	1.9	0.57	1.00	
Ethylbenzene	ND	0.95	0.14	1.00	
2-Hexanone	ND	19	1.7	1.00	
Isopropylbenzene	ND	0.95	0.52	1.00	
p-Isopropyltoluene	ND	0.95	0.60	1.00	
Methylene Chloride	ND	9.5	1.3	1.00	
4-Methyl-2-Pentanone	ND	19	4.1	1.00	
Naphthalene	ND	9.5	0.77	1.00	
n-Propylbenzene	ND	1.9	0.48	1.00	
Styrene	ND	0.95	0.57	1.00	
1,1,1,2-Tetrachloroethane	ND	0.95	0.23	1.00	
1,1,2,2-Tetrachloroethane	ND	1.9	0.33	1.00	
Tetrachloroethene	ND	0.95	0.20	1.00	
Toluene	ND	0.95	0.49	1.00	
1,2,3-Trichlorobenzene	ND	1.9	0.87	1.00	
1,2,4-Trichlorobenzene	ND	1.9	0.29	1.00	
1,1,1-Trichloroethane	ND	0.95	0.21	1.00	
1,1,2-Trichloroethane	ND	0.95	0.34	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	9.5	0.33	1.00	
Trichloroethene	ND	1.9	0.29	1.00	
Trichlorofluoromethane	ND	9.5	0.36	1.00	
1,2,3-Trichloropropane	ND	1.9	0.79	1.00	
1,2,4-Trimethylbenzene	ND	1.9	0.56	1.00	
1,3,5-Trimethylbenzene	ND	1.9	0.52	1.00	
Vinyl Acetate	ND	9.5	4.5	1.00	
Vinyl Chloride	ND	0.95	0.48	1.00	
p/m-Xylene	ND	1.9	0.25	1.00	
o-Xylene	ND	0.95	0.53	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.9	0.28	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	91	80-120	
Dibromofluoromethane	111	79-133	
1,2-Dichloroethane-d4	115	71-155	
Toluene-d8	99	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

Date Received: 10/09/17
Work Order: 17-10-0625
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: 777 N. Front Street / HR1305D-01

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-14-312-858	N/A	Solid	GC/MS LL	10/13/17	10/13/17 11:51	171013L009

Comment(s): - Results were evaluated to the MDL (DL), concentrations $\geq$ to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	50	6.2	1.00	
Benzene	ND	1.0	0.13	1.00	
Bromobenzene	ND	1.0	0.21	1.00	
Bromochloromethane	ND	2.0	0.69	1.00	
Bromodichloromethane	ND	1.0	0.23	1.00	
Bromoform	ND	5.0	0.79	1.00	
Bromomethane	ND	20	9.4	1.00	
2-Butanone	ND	20	3.8	1.00	
n-Butylbenzene	ND	1.0	0.16	1.00	
sec-Butylbenzene	ND	1.0	0.58	1.00	
tert-Butylbenzene	ND	1.0	0.15	1.00	
Carbon Disulfide	ND	10	0.31	1.00	
Carbon Tetrachloride	ND	1.0	0.28	1.00	
Chlorobenzene	ND	1.0	0.22	1.00	
Chloroethane	ND	2.0	1.5	1.00	
Chloroform	ND	1.0	0.24	1.00	
Chloromethane	ND	20	0.30	1.00	
2-Chlorotoluene	ND	1.0	0.23	1.00	
4-Chlorotoluene	ND	1.0	0.21	1.00	
Dibromochloromethane	ND	2.0	0.57	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.7	1.00	
1,2-Dibromoethane	ND	1.0	0.26	1.00	
Dibromomethane	ND	1.0	0.77	1.00	
1,2-Dichlorobenzene	ND	1.0	0.23	1.00	
1,3-Dichlorobenzene	ND	1.0	0.18	1.00	
1,4-Dichlorobenzene	ND	1.0	0.22	1.00	
Dichlorodifluoromethane	ND	2.0	0.44	1.00	
1,1-Dichloroethane	ND	1.0	0.21	1.00	
1,2-Dichloroethane	ND	1.0	0.31	1.00	
1,1-Dichloroethene	ND	1.0	0.35	1.00	
c-1,2-Dichloroethene	ND	1.0	0.28	1.00	
t-1,2-Dichloroethene	ND	1.0	0.51	1.00	
1,2-Dichloropropane	ND	1.0	0.44	1.00	
1,3-Dichloropropane	ND	1.0	0.25	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



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Analytical Report

Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

Date Received: 10/09/17
Work Order: 17-10-0625
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: 777 N. Front Street / HR1305D-01

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<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>MDL</u>	<u>DF</u>	<u>Qualifiers</u>
2,2-Dichloropropane	ND	5.0	0.33	1.00	
1,1-Dichloropropene	ND	2.0	0.33	1.00	
c-1,3-Dichloropropene	ND	1.0	0.25	1.00	
t-1,3-Dichloropropene	ND	2.0	0.61	1.00	
Ethylbenzene	ND	1.0	0.15	1.00	
2-Hexanone	ND	20	1.8	1.00	
Isopropylbenzene	ND	1.0	0.55	1.00	
p-Isopropyltoluene	ND	1.0	0.63	1.00	
Methylene Chloride	ND	10	1.3	1.00	
4-Methyl-2-Pentanone	ND	20	4.3	1.00	
Naphthalene	ND	10	0.81	1.00	
n-Propylbenzene	ND	2.0	0.50	1.00	
Styrene	ND	1.0	0.60	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	0.24	1.00	
1,1,2,2-Tetrachloroethane	ND	2.0	0.35	1.00	
Tetrachloroethene	ND	1.0	0.21	1.00	
Toluene	ND	1.0	0.52	1.00	
1,2,3-Trichlorobenzene	ND	2.0	0.91	1.00	
1,2,4-Trichlorobenzene	ND	2.0	0.31	1.00	
1,1,1-Trichloroethane	ND	1.0	0.23	1.00	
1,1,2-Trichloroethane	ND	1.0	0.35	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.35	1.00	
Trichloroethene	ND	2.0	0.30	1.00	
Trichlorofluoromethane	ND	10	0.38	1.00	
1,2,3-Trichloropropane	ND	2.0	0.83	1.00	
1,2,4-Trimethylbenzene	ND	2.0	0.59	1.00	
1,3,5-Trimethylbenzene	ND	2.0	0.55	1.00	
Vinyl Acetate	ND	10	4.7	1.00	
Vinyl Chloride	ND	1.0	0.50	1.00	
p/m-Xylene	ND	2.0	0.27	1.00	
o-Xylene	ND	1.0	0.56	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	2.0	0.30	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	93	80-120	
Dibromofluoromethane	102	79-133	
1,2-Dichloroethane-d4	98	71-155	
Toluene-d8	102	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

Date Received: 10/09/17
Work Order: 17-10-0625
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: 777 N. Front Street / HR1305D-01

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-14-312-862	N/A	Solid	GC/MS LL	10/14/17	10/14/17 12:54	171014L006

Comment(s): - Results were evaluated to the MDL (DL), concentrations $\geq$ to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	50	6.2	1.00	
Benzene	ND	1.0	0.13	1.00	
Bromobenzene	ND	1.0	0.21	1.00	
Bromochloromethane	ND	2.0	0.69	1.00	
Bromodichloromethane	ND	1.0	0.23	1.00	
Bromoform	ND	5.0	0.79	1.00	
Bromomethane	ND	20	9.4	1.00	
2-Butanone	ND	20	3.8	1.00	
n-Butylbenzene	ND	1.0	0.16	1.00	
sec-Butylbenzene	ND	1.0	0.58	1.00	
tert-Butylbenzene	ND	1.0	0.15	1.00	
Carbon Disulfide	ND	10	0.31	1.00	
Carbon Tetrachloride	ND	1.0	0.28	1.00	
Chlorobenzene	0.38	1.0	0.22	1.00	J
Chloroethane	ND	2.0	1.5	1.00	
Chloroform	ND	1.0	0.24	1.00	
Chloromethane	ND	20	0.30	1.00	
2-Chlorotoluene	ND	1.0	0.23	1.00	
4-Chlorotoluene	ND	1.0	0.21	1.00	
Dibromochloromethane	ND	2.0	0.57	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.7	1.00	
1,2-Dibromoethane	ND	1.0	0.26	1.00	
Dibromomethane	ND	1.0	0.77	1.00	
1,2-Dichlorobenzene	ND	1.0	0.23	1.00	
1,3-Dichlorobenzene	ND	1.0	0.18	1.00	
1,4-Dichlorobenzene	ND	1.0	0.22	1.00	
Dichlorodifluoromethane	ND	2.0	0.44	1.00	
1,1-Dichloroethane	ND	1.0	0.21	1.00	
1,2-Dichloroethane	ND	1.0	0.31	1.00	
1,1-Dichloroethene	ND	1.0	0.35	1.00	
c-1,2-Dichloroethene	ND	1.0	0.28	1.00	
t-1,2-Dichloroethene	ND	1.0	0.51	1.00	
1,2-Dichloropropane	ND	1.0	0.44	1.00	
1,3-Dichloropropane	ND	1.0	0.25	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

Date Received: 10/09/17
Work Order: 17-10-0625
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: 777 N. Front Street / HR1305D-01

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<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>MDL</u>	<u>DF</u>	<u>Qualifiers</u>
2,2-Dichloropropane	ND	5.0	0.33	1.00	
1,1-Dichloropropene	ND	2.0	0.33	1.00	
c-1,3-Dichloropropene	ND	1.0	0.25	1.00	
t-1,3-Dichloropropene	ND	2.0	0.61	1.00	
Ethylbenzene	ND	1.0	0.15	1.00	
2-Hexanone	ND	20	1.8	1.00	
Isopropylbenzene	ND	1.0	0.55	1.00	
p-Isopropyltoluene	ND	1.0	0.63	1.00	
Methylene Chloride	ND	10	1.3	1.00	
4-Methyl-2-Pentanone	ND	20	4.3	1.00	
Naphthalene	ND	10	0.81	1.00	
n-Propylbenzene	ND	2.0	0.50	1.00	
Styrene	ND	1.0	0.60	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	0.24	1.00	
1,1,2,2-Tetrachloroethane	ND	2.0	0.35	1.00	
Tetrachloroethene	ND	1.0	0.21	1.00	
Toluene	ND	1.0	0.52	1.00	
1,2,3-Trichlorobenzene	ND	2.0	0.91	1.00	
1,2,4-Trichlorobenzene	ND	2.0	0.31	1.00	
1,1,1-Trichloroethane	ND	1.0	0.23	1.00	
1,1,2-Trichloroethane	ND	1.0	0.35	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.35	1.00	
Trichloroethene	ND	2.0	0.30	1.00	
Trichlorofluoromethane	ND	10	0.38	1.00	
1,2,3-Trichloropropane	ND	2.0	0.83	1.00	
1,2,4-Trimethylbenzene	ND	2.0	0.59	1.00	
1,3,5-Trimethylbenzene	ND	2.0	0.55	1.00	
Vinyl Acetate	ND	10	4.7	1.00	
Vinyl Chloride	ND	1.0	0.50	1.00	
p/m-Xylene	ND	2.0	0.27	1.00	
o-Xylene	ND	1.0	0.56	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	2.0	0.30	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	90	80-120	
Dibromofluoromethane	107	79-133	
1,2-Dichloroethane-d4	105	71-155	
Toluene-d8	98	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Quality Control - Spike/Spike Duplicate

Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

Date Received: 10/09/17
Work Order: 17-10-0625
Preparation: EPA 5030C
Method: EPA 8260B

Project: 777 N. Front Street / HR1305D-01

Page 1 of 2

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
17-10-0679-1	Sample	Aqueous	GC/MS JJ	10/12/17	10/13/17 01:32	171012S014
17-10-0679-1	Matrix Spike	Aqueous	GC/MS JJ	10/12/17	10/12/17 22:24	171012S014
17-10-0679-1	Matrix Spike Duplicate	Aqueous	GC/MS JJ	10/12/17	10/12/17 22:56	171012S014

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Acetone	ND	50.00	55.89	112	57.47	115	34-166	3	0-33	
Benzene	ND	50.00	51.45	103	55.08	110	75-125	7	0-20	
Bromobenzene	ND	50.00	49.82	100	52.23	104	75-125	5	0-20	
Bromochloromethane	ND	50.00	51.94	104	55.91	112	75-125	7	0-20	
Bromodichloromethane	ND	50.00	49.21	98	52.34	105	75-134	6	0-20	
Bromoform	ND	50.00	33.80	68	36.84	74	74-134	9	0-20	3
Bromomethane	ND	50.00	42.43	85	44.99	90	20-168	6	0-40	
2-Butanone	ND	50.00	46.83	94	48.77	98	37-157	4	0-20	
n-Butylbenzene	ND	50.00	47.46	95	49.99	100	73-145	5	0-20	
sec-Butylbenzene	ND	50.00	48.57	97	51.39	103	75-135	6	0-20	
tert-Butylbenzene	ND	50.00	50.93	102	54.03	108	75-136	6	0-20	
Carbon Disulfide	ND	50.00	49.33	99	53.61	107	50-152	8	0-27	
Carbon Tetrachloride	ND	50.00	41.57	83	46.30	93	70-154	11	0-20	
Chlorobenzene	ND	50.00	48.20	96	51.77	104	75-125	7	0-20	
Chloroethane	ND	50.00	48.84	98	51.31	103	41-167	5	0-26	
Chloroform	ND	50.00	47.30	95	51.91	104	75-127	9	0-20	
Chloromethane	ND	50.00	43.63	87	43.63	87	41-149	0	0-20	
2-Chlorotoluene	ND	50.00	50.09	100	52.47	105	75-128	5	0-20	
4-Chlorotoluene	ND	50.00	49.87	100	52.26	105	75-125	5	0-20	
Dibromochloromethane	ND	50.00	41.63	83	45.30	91	75-131	8	0-20	
1,2-Dibromo-3-Chloropropane	ND	50.00	48.27	97	49.16	98	64-142	2	0-20	
1,2-Dibromoethane	ND	50.00	50.39	101	52.92	106	75-129	5	0-20	
Dibromomethane	ND	50.00	48.08	96	51.05	102	75-125	6	0-20	
1,2-Dichlorobenzene	ND	50.00	49.16	98	51.21	102	75-125	4	0-20	
1,3-Dichlorobenzene	ND	50.00	48.70	97	51.35	103	75-125	5	0-20	
1,4-Dichlorobenzene	ND	50.00	48.37	97	50.64	101	75-125	5	0-20	
Dichlorodifluoromethane	ND	50.00	27.33	55	27.24	54	25-157	0	0-26	
1,1-Dichloroethane	ND	50.00	48.26	97	53.17	106	73-139	10	0-20	
1,2-Dichloroethane	ND	50.00	50.09	100	53.37	107	75-125	6	0-20	
1,1-Dichloroethene	ND	50.00	47.48	95	51.28	103	61-145	8	0-20	
c-1,2-Dichloroethene	ND	50.00	47.36	95	51.68	103	75-125	9	0-20	
t-1,2-Dichloroethene	ND	50.00	49.84	100	54.47	109	64-142	9	0-20	
1,2-Dichloropropane	ND	50.00	50.18	100	54.11	108	75-127	8	0-20	
1,3-Dichloropropane	ND	50.00	49.22	98	52.23	104	75-125	6	0-20	
2,2-Dichloropropane	ND	50.00	37.38	75	39.58	79	24-180	6	0-20	

RPD: Relative Percent Difference. CL: Control Limits



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Quality Control - Spike/Spike Duplicate

Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

Date Received: 10/09/17
Work Order: 17-10-0625
Preparation: EPA 5030C
Method: EPA 8260B

Project: 777 N. Front Street / HR1305D-01

Page 2 of 2

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
1,1-Dichloropropene	ND	50.00	47.42	95	51.41	103	75-135	8	0-20	
c-1,3-Dichloropropene	ND	50.00	47.91	96	50.65	101	75-137	6	0-20	
t-1,3-Dichloropropene	ND	50.00	47.51	95	50.52	101	74-146	6	0-20	
Ethylbenzene	ND	50.00	49.84	100	53.16	106	75-129	6	0-20	
2-Hexanone	ND	50.00	49.96	100	51.63	103	47-161	3	0-20	
Isopropylbenzene	ND	50.00	49.84	100	52.74	105	75-135	6	0-20	
p-Isopropyltoluene	ND	50.00	47.95	96	50.72	101	75-136	6	0-20	
Methylene Chloride	ND	50.00	48.50	97	52.87	106	63-141	9	0-20	
4-Methyl-2-Pentanone	ND	50.00	49.75	99	51.70	103	66-138	4	0-20	
Naphthalene	ND	50.00	49.59	99	50.47	101	59-143	2	0-20	
n-Propylbenzene	ND	50.00	49.02	98	51.82	104	75-133	6	0-20	
Styrene	ND	50.00	50.14	100	53.05	106	70-142	6	0-28	
1,1,1,2-Tetrachloroethane	ND	50.00	46.81	94	51.33	103	75-139	9	0-20	
1,1,2,2-Tetrachloroethane	ND	50.00	51.51	103	54.47	109	61-145	6	0-20	
Tetrachloroethene	ND	50.00	43.05	86	46.34	93	47-143	7	0-20	
Toluene	ND	50.00	50.32	101	53.92	108	75-125	7	0-20	
1,2,3-Trichlorobenzene	ND	50.00	47.42	95	49.49	99	73-133	4	0-20	
1,2,4-Trichlorobenzene	ND	50.00	47.99	96	49.40	99	71-137	3	0-20	
1,1,1-Trichloroethane	ND	50.00	46.22	92	50.82	102	75-136	9	0-20	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50.00	38.06	76	40.51	81	42-168	6	0-22	
1,1,2-Trichloroethane	ND	50.00	48.97	98	52.17	104	75-125	6	0-20	
Trichloroethene	ND	50.00	48.69	97	52.26	105	67-139	7	0-20	
Trichlorofluoromethane	ND	50.00	44.21	88	44.79	90	59-155	1	0-20	
1,2,3-Trichloropropane	ND	50.00	49.42	99	51.04	102	75-127	3	0-20	
1,2,4-Trimethylbenzene	ND	50.00	48.46	97	51.21	102	75-133	6	0-20	
1,3,5-Trimethylbenzene	ND	50.00	49.06	98	52.04	104	75-135	6	0-20	
Vinyl Acetate	ND	50.00	26.84	54	27.24	54	54-180	1	0-25	
Vinyl Chloride	ND	50.00	50.28	101	51.48	103	51-153	2	0-20	
p/m-Xylene	ND	100.0	99.85	100	105.8	106	75-133	6	0-20	
o-Xylene	ND	50.00	50.88	102	53.86	108	75-134	6	0-20	
Methyl-t-Butyl Ether (MTBE)	ND	50.00	47.79	96	50.93	102	64-136	6	0-20	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - LCS

Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

Date Received: 10/09/17
Work Order: 17-10-0625
Preparation: EPA 5030C
Method: EPA 8260B

Project: 777 N. Front Street / HR1305D-01

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Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-14-316-3669	LCS	Aqueous	GC/MS JJ	10/12/17	10/12/17 21:53	171012L036
Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Acetone	50.00	52.47	105	50-150	33-167	
Benzene	50.00	52.03	104	78-120	71-127	
Bromobenzene	50.00	51.50	103	80-120	73-127	
Bromochloromethane	50.00	53.41	107	77-125	69-133	
Bromodichloromethane	50.00	48.37	97	80-125	72-132	
Bromoform	50.00	32.57	65	68-128	58-138	ME
Bromomethane	50.00	43.60	87	50-150	33-167	
2-Butanone	50.00	49.17	98	53-137	39-151	
n-Butylbenzene	50.00	49.17	98	78-132	69-141	
sec-Butylbenzene	50.00	49.92	100	80-125	72-132	
tert-Butylbenzene	50.00	48.17	96	80-125	72-132	
Carbon Disulfide	50.00	50.99	102	50-150	33-167	
Carbon Tetrachloride	50.00	43.59	87	67-139	55-151	
Chlorobenzene	50.00	49.74	99	80-120	73-127	
Chloroethane	50.00	49.74	99	64-130	53-141	
Chloroform	50.00	49.01	98	77-120	70-127	
Chloromethane	50.00	41.06	82	56-128	44-140	
2-Chlorotoluene	50.00	51.93	104	80-121	73-128	
4-Chlorotoluene	50.00	50.06	100	80-120	73-127	
Dibromochloromethane	50.00	41.76	84	77-125	69-133	
1,2-Dibromo-3-Chloropropane	50.00	45.34	91	68-128	58-138	
1,2-Dibromoethane	50.00	51.18	102	80-120	73-127	
Dibromomethane	50.00	48.52	97	80-120	73-127	
1,2-Dichlorobenzene	50.00	49.53	99	80-120	73-127	
1,3-Dichlorobenzene	50.00	49.12	98	80-120	73-127	
1,4-Dichlorobenzene	50.00	48.56	97	80-120	73-127	
Dichlorodifluoromethane	50.00	37.06	74	50-150	33-167	
1,1-Dichloroethane	50.00	50.10	100	73-127	64-136	
1,2-Dichloroethane	50.00	50.65	101	75-123	67-131	
1,1-Dichloroethene	50.00	50.64	101	64-136	52-148	
c-1,2-Dichloroethene	50.00	48.82	98	78-120	71-127	
t-1,2-Dichloroethene	50.00	51.30	103	70-130	60-140	
1,2-Dichloropropane	50.00	50.42	101	80-120	73-127	
1,3-Dichloropropane	50.00	50.58	101	80-120	73-127	
2,2-Dichloropropane	50.00	39.73	79	53-155	36-172	
1,1-Dichloropropene	50.00	49.99	100	73-127	64-136	
c-1,3-Dichloropropene	50.00	47.88	96	80-129	72-137	
t-1,3-Dichloropropene	50.00	48.86	98	78-132	69-141	

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - LCS

Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

Date Received: 10/09/17
Work Order: 17-10-0625
Preparation: EPA 5030C
Method: EPA 8260B

Project: 777 N. Front Street / HR1305D-01

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<u>Parameter</u>	<u>Spike Added</u>	<u>Conc. Recovered</u>	<u>LCS %Rec.</u>	<u>%Rec. CL</u>	<u>ME CL</u>	<u>Qualifiers</u>
Ethylbenzene	50.00	51.62	103	80-120	73-127	
2-Hexanone	50.00	49.27	99	59-131	47-143	
Isopropylbenzene	50.00	51.66	103	80-126	72-134	
p-Isopropyltoluene	50.00	49.13	98	80-129	72-137	
Methylene Chloride	50.00	49.83	100	73-127	64-136	
4-Methyl-2-Pentanone	50.00	48.97	98	68-122	59-131	
Naphthalene	50.00	47.76	96	64-136	52-148	
n-Propylbenzene	50.00	51.26	103	80-125	72-132	
Styrene	50.00	51.77	104	80-122	73-129	
1,1,1,2-Tetrachloroethane	50.00	47.14	94	80-126	72-134	
1,1,2,2-Tetrachloroethane	50.00	48.91	98	76-120	69-127	
Tetrachloroethene	50.00	76.14	152	54-144	39-159	ME
Toluene	50.00	51.35	103	80-122	73-129	
1,2,3-Trichlorobenzene	50.00	47.10	94	76-130	67-139	
1,2,4-Trichlorobenzene	50.00	47.49	95	74-134	64-144	
1,1,1-Trichloroethane	50.00	48.34	97	73-127	64-136	
Hexachloro-1,3-Butadiene	50.00	47.67	95	75-135	65-145	
1,1,2-Trichloro-1,2,2-Trifluoroethane	50.00	52.06	104	53-155	36-172	
1,1,2-Trichloroethane	50.00	50.45	101	80-120	73-127	
Trichloroethene	50.00	50.10	100	77-125	69-133	
Trichlorofluoromethane	50.00	50.37	101	69-141	57-153	
1,2,3-Trichloropropane	50.00	49.98	100	77-125	69-133	
1,2,4-Trimethylbenzene	50.00	49.09	98	80-123	73-130	
1,3,5-Trimethylbenzene	50.00	51.32	103	80-126	72-134	
Vinyl Acetate	50.00	24.51	49	50-150	33-167	ME
Vinyl Chloride	50.00	49.03	98	63-135	51-147	
p/m-Xylene	100.0	103.7	104	80-125	72-132	
o-Xylene	50.00	52.53	105	80-125	72-132	
Methyl-t-Butyl Ether (MTBE)	50.00	49.01	98	77-120	70-127	

Total number of LCS compounds: 67

Total number of ME compounds: 3

Total number of ME compounds allowed: 3

LCS ME CL validation result: Pass

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



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Quality Control - LCS/LCSD

Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

Date Received: 10/09/17
Work Order: 17-10-0625
Preparation: EPA 5035
Method: EPA 8260B

Project: 777 N. Front Street / HR1305D-01

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Quality Control Sample ID	Type	Matrix		Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number			
099-14-312-858	LCS	Solid		GC/MS LL	10/13/17	10/13/17 10:25	171013L009			
099-14-312-858	LCSD	Solid		GC/MS LL	10/13/17	10/13/17 10:54	171013L009			
Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	ME CL	RPD	RPD CL	Qualifiers
Acetone	50.00	52.59	105	53.20	106	30-150	10-170	1	0-20	
Benzene	50.00	48.99	98	49.40	99	79-120	72-127	1	0-20	
Bromobenzene	50.00	50.63	101	51.26	103	80-120	73-127	1	0-20	
Bromochloromethane	50.00	55.08	110	56.61	113	80-120	73-127	3	0-20	
Bromodichloromethane	50.00	53.22	106	54.20	108	73-127	64-136	2	0-20	
Bromoform	50.00	50.67	101	50.91	102	55-133	42-146	0	0-20	
Bromomethane	50.00	58.02	116	56.57	113	36-144	18-162	3	0-20	
2-Butanone	50.00	48.07	96	51.40	103	56-176	36-196	7	0-20	
n-Butylbenzene	50.00	52.16	104	51.50	103	78-126	70-134	1	0-20	
sec-Butylbenzene	50.00	54.65	109	54.53	109	79-127	71-135	0	0-20	
tert-Butylbenzene	50.00	53.97	108	53.42	107	80-128	72-136	1	0-20	
Carbon Disulfide	50.00	47.70	95	48.33	97	53-125	41-137	1	0-20	
Carbon Tetrachloride	50.00	48.16	96	48.90	98	58-142	44-156	2	0-20	
Chlorobenzene	50.00	49.75	100	50.34	101	80-120	73-127	1	0-20	
Chloroethane	50.00	42.81	86	44.13	88	60-120	50-130	3	0-20	
Chloroform	50.00	50.09	100	50.51	101	80-120	73-127	1	0-20	
Chloromethane	50.00	41.66	83	42.91	86	50-122	38-134	3	0-20	
2-Chlorotoluene	50.00	51.15	102	52.12	104	80-125	72-132	2	0-20	
4-Chlorotoluene	50.00	52.31	105	52.25	105	80-120	73-127	0	0-20	
Dibromochloromethane	50.00	49.89	100	50.54	101	70-130	60-140	1	0-20	
1,2-Dibromo-3-Chloropropane	50.00	49.05	98	50.30	101	54-132	41-145	3	0-20	
1,2-Dibromoethane	50.00	53.99	108	54.27	109	80-120	73-127	1	0-20	
Dibromomethane	50.00	50.94	102	52.08	104	80-122	73-129	2	0-20	
1,2-Dichlorobenzene	50.00	50.82	102	51.51	103	80-120	73-127	1	0-20	
1,3-Dichlorobenzene	50.00	52.62	105	52.12	104	80-120	73-127	1	0-20	
1,4-Dichlorobenzene	50.00	51.60	103	51.58	103	80-120	73-127	0	0-20	
Dichlorodifluoromethane	50.00	33.87	68	34.82	70	32-158	11-179	3	0-20	
1,1-Dichloroethane	50.00	50.48	101	51.05	102	74-120	66-128	1	0-20	
1,2-Dichloroethane	50.00	46.96	94	48.04	96	79-121	72-128	2	0-20	
1,1-Dichloroethene	50.00	49.28	99	49.46	99	71-125	62-134	0	0-20	
c-1,2-Dichloroethene	50.00	51.10	102	51.56	103	80-123	73-130	1	0-20	
t-1,2-Dichloroethene	50.00	51.39	103	52.37	105	80-120	73-127	2	0-20	
1,2-Dichloropropane	50.00	50.31	101	51.27	103	77-120	70-127	2	0-20	
1,3-Dichloropropane	50.00	48.90	98	50.31	101	80-120	73-127	3	0-20	
2,2-Dichloropropane	50.00	48.19	96	47.88	96	58-142	44-156	1	0-20	
1,1-Dichloropropene	50.00	49.52	99	50.37	101	69-120	60-128	2	0-20	

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - LCS/LCSD

Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

Date Received: 10/09/17
Work Order: 17-10-0625
Preparation: EPA 5035
Method: EPA 8260B

Project: 777 N. Front Street / HR1305D-01

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Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	ME CL	RPD	RPD CL	Qualifiers
c-1,3-Dichloropropene	50.00	47.52	95	48.66	97	74-128	65-137	2	0-20	
t-1,3-Dichloropropene	50.00	47.59	95	47.87	96	66-120	57-129	1	0-20	
Ethylbenzene	50.00	51.29	103	51.98	104	80-120	73-127	1	0-20	
2-Hexanone	50.00	39.40	79	40.48	81	67-151	53-165	3	0-20	
Isopropylbenzene	50.00	52.94	106	53.27	107	80-129	72-137	1	0-20	
p-Isopropyltoluene	50.00	53.68	107	53.08	106	80-122	73-129	1	0-20	
Methylene Chloride	50.00	50.66	101	52.31	105	72-120	64-128	3	0-20	
4-Methyl-2-Pentanone	50.00	45.42	91	47.66	95	72-126	63-135	5	0-20	
Naphthalene	50.00	39.70	79	40.54	81	64-124	54-134	2	0-20	
n-Propylbenzene	50.00	51.80	104	52.15	104	80-122	73-129	1	0-20	
Styrene	50.00	50.43	101	51.11	102	80-123	73-130	1	0-20	
1,1,1,2-Tetrachloroethane	50.00	54.02	108	53.71	107	73-133	63-143	1	0-20	
1,1,2,2-Tetrachloroethane	50.00	51.84	104	53.01	106	77-120	70-127	2	0-20	
Tetrachloroethene	50.00	56.87	114	58.65	117	75-123	67-131	3	0-20	
Toluene	50.00	50.13	100	50.82	102	80-120	73-127	1	0-20	
1,2,3-Trichlorobenzene	50.00	45.59	91	46.36	93	73-127	64-136	2	0-20	
1,2,4-Trichlorobenzene	50.00	47.23	94	47.25	94	74-128	65-137	0	0-20	
1,1,1-Trichloroethane	50.00	48.95	98	49.65	99	71-131	61-141	1	0-20	
1,1,2-Trichloroethane	50.00	48.27	97	49.65	99	80-120	73-127	3	0-20	
1,1,2-Trichloro-1,2,2-Trifluoroethane	50.00	52.34	105	52.65	105	77-125	69-133	1	0-20	
Trichloroethene	50.00	48.69	97	49.44	99	80-120	73-127	2	0-20	
Trichlorofluoromethane	50.00	49.43	99	50.65	101	70-136	59-147	2	0-20	
1,2,3-Trichloropropane	50.00	47.41	95	48.83	98	60-120	50-130	3	0-20	
1,2,4-Trimethylbenzene	50.00	50.40	101	50.33	101	75-123	67-131	0	0-20	
1,3,5-Trimethylbenzene	50.00	50.22	100	51.25	102	80-123	73-130	2	0-20	
Vinyl Acetate	50.00	45.06	90	44.86	90	51-159	33-177	0	0-20	
Vinyl Chloride	50.00	43.74	87	44.62	89	68-120	59-129	2	0-20	
p/m-Xylene	100.0	99.37	99	100.4	100	80-122	73-129	1	0-20	
o-Xylene	50.00	50.49	101	51.06	102	79-127	71-135	1	0-20	
Methyl-t-Butyl Ether (MTBE)	50.00	44.90	90	46.34	93	64-124	54-134	3	0-20	

Total number of LCS compounds: 66

Total number of ME compounds: 0

Total number of ME compounds allowed: 3

LCS ME CL validation result: Pass

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - LCS/LCSD

Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

Date Received: 10/09/17
Work Order: 17-10-0625
Preparation: EPA 5035
Method: EPA 8260B

Project: 777 N. Front Street / HR1305D-01

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Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-14-312-862	LCS	Solid	GC/MS LL	10/14/17	10/14/17 11:28	171014L006
099-14-312-862	LCSD	Solid	GC/MS LL	10/14/17	10/14/17 11:57	171014L006

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	ME CL	RPD	RPD CL	Qualifiers
Acetone	50.00	58.36	117	52.84	106	30-150	10-170	10	0-20	
Benzene	50.00	50.70	101	50.29	101	79-120	72-127	1	0-20	
Bromobenzene	50.00	49.65	99	49.95	100	80-120	73-127	1	0-20	
Bromochloromethane	50.00	57.09	114	56.93	114	80-120	73-127	0	0-20	
Bromodichloromethane	50.00	53.86	108	54.82	110	73-127	64-136	2	0-20	
Bromoform	50.00	48.09	96	51.27	103	55-133	42-146	6	0-20	
Bromomethane	50.00	59.38	119	56.05	112	36-144	18-162	6	0-20	
2-Butanone	50.00	52.39	105	57.47	115	56-176	36-196	9	0-20	
n-Butylbenzene	50.00	54.38	109	52.01	104	78-126	70-134	4	0-20	
sec-Butylbenzene	50.00	54.89	110	54.13	108	79-127	71-135	1	0-20	
tert-Butylbenzene	50.00	53.87	108	53.01	106	80-128	72-136	2	0-20	
Carbon Disulfide	50.00	47.04	94	45.95	92	53-125	41-137	2	0-20	
Carbon Tetrachloride	50.00	51.09	102	49.15	98	58-142	44-156	4	0-20	
Chlorobenzene	50.00	50.20	100	50.10	100	80-120	73-127	0	0-20	
Chloroethane	50.00	42.01	84	40.01	80	60-120	50-130	5	0-20	
Chloroform	50.00	53.31	107	53.42	107	80-120	73-127	0	0-20	
Chloromethane	50.00	39.50	79	37.42	75	50-122	38-134	5	0-20	
2-Chlorotoluene	50.00	51.17	102	50.49	101	80-125	72-132	1	0-20	
4-Chlorotoluene	50.00	52.07	104	51.98	104	80-120	73-127	0	0-20	
Dibromochloromethane	50.00	50.88	102	52.54	105	70-130	60-140	3	0-20	
1,2-Dibromo-3-Chloropropane	50.00	46.56	93	50.37	101	54-132	41-145	8	0-20	
1,2-Dibromoethane	50.00	53.88	108	55.92	112	80-120	73-127	4	0-20	
Dibromomethane	50.00	51.27	103	53.07	106	80-122	73-129	3	0-20	
1,2-Dichlorobenzene	50.00	50.88	102	51.50	103	80-120	73-127	1	0-20	
1,3-Dichlorobenzene	50.00	51.92	104	51.67	103	80-120	73-127	0	0-20	
1,4-Dichlorobenzene	50.00	51.53	103	51.48	103	80-120	73-127	0	0-20	
Dichlorodifluoromethane	50.00	34.61	69	31.62	63	32-158	11-179	9	0-20	
1,1-Dichloroethane	50.00	53.55	107	53.70	107	74-120	66-128	0	0-20	
1,2-Dichloroethane	50.00	48.95	98	49.91	100	79-121	72-128	2	0-20	
1,1-Dichloroethene	50.00	50.39	101	50.44	101	71-125	62-134	0	0-20	
c-1,2-Dichloroethene	50.00	53.61	107	53.95	108	80-123	73-130	1	0-20	
t-1,2-Dichloroethene	50.00	55.35	111	53.96	108	80-120	73-127	3	0-20	
1,2-Dichloropropane	50.00	52.42	105	52.56	105	77-120	70-127	0	0-20	
1,3-Dichloropropane	50.00	50.51	101	52.79	106	80-120	73-127	4	0-20	
2,2-Dichloropropane	50.00	50.21	100	49.06	98	58-142	44-156	2	0-20	
1,1-Dichloropropene	50.00	52.57	105	51.78	104	69-120	60-128	2	0-20	

RPD: Relative Percent Difference. CL: Control Limits



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Quality Control - LCS/LCSD

Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

Date Received: 10/09/17
Work Order: 17-10-0625
Preparation: EPA 5035
Method: EPA 8260B

Project: 777 N. Front Street / HR1305D-01

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Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	ME CL	RPD	RPD CL	Qualifiers
c-1,3-Dichloropropene	50.00	48.16	96	48.27	97	74-128	65-137	0	0-20	
t-1,3-Dichloropropene	50.00	47.62	95	48.91	98	66-120	57-129	3	0-20	
Ethylbenzene	50.00	51.56	103	50.73	101	80-120	73-127	2	0-20	
2-Hexanone	50.00	38.33	77	41.69	83	67-151	53-165	8	0-20	
Isopropylbenzene	50.00	52.47	105	51.75	103	80-129	72-137	1	0-20	
p-Isopropyltoluene	50.00	54.66	109	52.92	106	80-122	73-129	3	0-20	
Methylene Chloride	50.00	51.27	103	51.98	104	72-120	64-128	1	0-20	
4-Methyl-2-Pentanone	50.00	45.16	90	49.13	98	72-126	63-135	8	0-20	
Naphthalene	50.00	42.53	85	45.25	91	64-124	54-134	6	0-20	
n-Propylbenzene	50.00	51.87	104	50.57	101	80-122	73-129	3	0-20	
Styrene	50.00	49.65	99	49.52	99	80-123	73-130	0	0-20	
1,1,1,2-Tetrachloroethane	50.00	54.45	109	54.77	110	73-133	63-143	1	0-20	
1,1,2,2-Tetrachloroethane	50.00	50.93	102	53.95	108	77-120	70-127	6	0-20	
Tetrachloroethene	50.00	59.30	119	59.65	119	75-123	67-131	1	0-20	
Toluene	50.00	49.53	99	49.19	98	80-120	73-127	1	0-20	
1,2,3-Trichlorobenzene	50.00	50.22	100	50.82	102	73-127	64-136	1	0-20	
1,2,4-Trichlorobenzene	50.00	51.11	102	51.84	104	74-128	65-137	1	0-20	
1,1,1-Trichloroethane	50.00	51.66	103	50.99	102	71-131	61-141	1	0-20	
1,1,2-Trichloroethane	50.00	51.21	102	53.34	107	80-120	73-127	4	0-20	
1,1,2-Trichloro-1,2,2-Trifluoroethane	50.00	54.92	110	54.81	110	77-125	69-133	0	0-20	
Trichloroethene	50.00	51.70	103	51.19	102	80-120	73-127	1	0-20	
Trichlorofluoromethane	50.00	51.73	103	48.97	98	70-136	59-147	5	0-20	
1,2,3-Trichloropropane	50.00	45.62	91	48.40	97	60-120	50-130	6	0-20	
1,2,4-Trimethylbenzene	50.00	51.30	103	50.76	102	75-123	67-131	1	0-20	
1,3,5-Trimethylbenzene	50.00	51.24	102	50.29	101	80-123	73-130	2	0-20	
Vinyl Acetate	50.00	45.84	92	46.60	93	51-159	33-177	2	0-20	
Vinyl Chloride	50.00	41.79	84	40.44	81	68-120	59-129	3	0-20	
p/m-Xylene	100.0	99.05	99	97.51	98	80-122	73-129	2	0-20	
o-Xylene	50.00	49.96	100	49.70	99	79-127	71-135	1	0-20	
Methyl-t-Butyl Ether (MTBE)	50.00	47.39	95	49.97	100	64-124	54-134	5	0-20	

Total number of LCS compounds: 66

Total number of ME compounds: 0

Total number of ME compounds allowed: 3

LCS ME CL validation result: Pass

RPD: Relative Percent Difference. CL: Control Limits



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Sample Analysis Summary Report

Work Order: 17-10-0625

Page 1 of 1

<u>Method</u>	<u>Extraction</u>	<u>Chemist ID</u>	<u>Instrument</u>	<u>Analytical Location</u>
EPA 8260B	EPA 5035	867	GC/MS LL	2
EPA 8260B	EPA 5030C	1135	GC/MS JJ	2


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Location 2: 7445 Lampson Avenue, Garden Grove, CA 92841

Glossary of Terms and Qualifiers

Work Order: 17-10-0625

Page 1 of 1

<u>Qualifiers</u>	<u>Definition</u>
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control.
4	The MS/MSD RPD was out of control due to suspected matrix interference.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
BV	Sample received after holding time expired.
CI	See case narrative.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
JA	Analyte positively identified but quantitation is an estimate.
ME	LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean).
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.
	Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.
	Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.
	A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations.

[illegible]

SAMPLE RECEIPT CHECKLIST

COOLER 1 OF 1CLIENT: GeosyntecDATE: 10/9/2017

TEMPERATURE: (Criteria: 0.0°C – 6.0°C, not frozen except sediment/tissue)

Thermometer ID: SC6 (CF: -0.4°C); Temperature (w/o CF): 2.6 °C (w/ CF): 2.2 °C; ☒ Blank ☐ Sample☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____)☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling☐ Sample(s) received at ambient temperature; placed on ice for transport by courierAmbient Temperature: ☐ Air ☐ FilterChecked by: 1091

CUSTODY SEAL:

Cooler ☐ Present and Intact ☐ Present but Not Intact ☒ Not Present ☐ N/AChecked by: 1091Sample(s) ☐ Present and Intact ☐ Present but Not Intact ☒ Not Present ☐ N/AChecked by: 1053

SAMPLE CONDITION:

Chain-of-Custody (COC) document(s) received with samples ☒ Yes ☐ No ☐ N/ACOC document(s) received complete ☒ Yes ☐ No ☐ N/A☐ Sampling date ☐ Sampling time ☐ Matrix ☐ Number of containers☐ No analysis requested ☐ Not relinquished ☐ No relinquished date ☐ No relinquished timeSampler's name indicated on COC ☒ Yes ☐ No ☐ N/ASample container label(s) consistent with COC ☒ Yes ☐ No ☐ N/ASample container(s) intact and in good condition ☒ Yes ☐ No ☐ N/AProper containers for analyses requested ☒ Yes ☐ No ☐ N/ASufficient volume/mass for analyses requested ☒ Yes ☐ No ☐ N/ASamples received within holding time ☒ Yes ☐ No ☐ N/A

Aqueous samples for certain analyses received within 15-minute holding time

☐ pH ☐ Residual Chlorine ☐ Dissolved Sulfide ☐ Dissolved Oxygen ☐ Yes ☐ No ☒ N/AProper preservation chemical(s) noted on COC and/or sample container ☒ Yes ☐ No ☐ N/A

Unpreserved aqueous sample(s) received for certain analyses

☐ Volatile Organics ☐ Total Metals ☐ Dissolved MetalsAcid/base preserved samples - pH within acceptable range ☐ Yes ☐ No ☒ N/AContainer(s) for certain analysis free of headspace ☐ Yes ☒ No ☐ N/A☒ Volatile Organics ☐ Dissolved Gases (RSK-175) ☐ Dissolved Oxygen (SM 4500)☐ Carbon Dioxide (SM 4500) ☐ Ferrous Iron (SM 3500) ☐ Hydrogen Sulfide (Hach)Tedlar™ bag(s) free of condensation ☐ Yes ☐ No ☒ N/A

CONTAINER TYPE:

(Trip Blank Lot Number: _____)

Aqueous: ☐ VOA ☒ VOA_h ☐ VOA_{na2} ☐ 100PJ ☐ 100PJ_{na2} ☐ 125AGB ☐ 125AGB_h ☐ 125AGB_p ☐ 125PB ☐ 125PB_{znna} (pH__9)☐ 250AGB ☐ 250CGB ☐ 250CGB_s (pH__2) ☐ 250PB ☐ 250PB_n (pH__2) ☐ 500AGB ☐ 500AGJ ☐ 500AGJ_s (pH__2) ☐ 500PB☐ 1AGB ☐ 1AGB_{na2} ☐ 1AGB_s (pH__2) ☐ 1AGB_s (O&G) ☐ 1PB ☐ 1PB_{na} (pH__12) ☐ _____ ☐ _____Solid: ☐ 4ozCGJ ☐ 8ozCGJ ☐ 16ozCGJ ☐ Sleeve (____) ☐ EnCores® (____) ☒ TerraCores® (3) ☒ 2 oz PJ ☐ _____ ☐ _____Air: ☐ Tedlar™ ☐ Canister ☐ Sorbent Tube ☐ PUF ☐ _____ Other Matrix (____): ☐ _____ ☐ _____

Container: A = Amber, B = Bottle, C = Clear, E = Envelope, G = Glass, J = Jar, P = Plastic, and Z = Ziploc/Resealable Bag

Preservative: b = buffered, f = filtered, h = HCl, n = HNO₃, na = NaOH, na₂ = Na₂S₂O₃, p = H₃PO₄, Labeled/Checked by: 1053s = H₂SO₄, u = ultra-pure, x = Na₂SO₃+NaHSO₄·H₂O, znna = Zn (CH₃CO₂)₂ + NaOHReviewed by: 689

SAMPLE ANOMALY REPORT

DATE: **10 / 9 / 2017**

SAMPLES, CONTAINERS, AND LABELS:

- ☐ Sample(s) NOT RECEIVED but listed on COC
- ☐ Sample(s) received but NOT LISTED on COC
- ☐ Holding time expired (list client or ECI sample ID and analysis)
- ☐ Insufficient sample amount for requested analysis (list analysis)
- ☐ Improper container(s) used (list analysis)
- ☐ Improper preservative used (list analysis)
- ☐ pH outside acceptable range (list analysis)
- ☐ No preservative noted on COC or label (list analysis and notify lab)
- ☐ Sample container(s) not labeled
- ☐ Client sample label(s) illegible (list container type and analysis)
- ☐ Client sample label(s) do not match COC (comment)
 - ☐ Project information
 - ☐ Client sample ID
 - ☐ Sampling date and/or time
 - ☐ Number of container(s)
 - ☐ Requested analysis
- ☐ Sample container(s) compromised (comment)
 - ☐ Broken
 - ☐ Water present in sample container
- ☐ Air sample container(s) compromised (comment)
 - ☐ Flat
 - ☐ Very low in volume
 - ☐ Leaking (not transferred; duplicate bag submitted)
 - ☐ Leaking (transferred into ECI Tedlar™ bags*)
 - ☐ Leaking (transferred into client's Tedlar™ bags*)

* Transferred at client's request.

MISCELLANEOUS: (Describe)

HEADSPACE:

(Containers with bubble > 6 mm or ¼ inch for volatile organic or dissolved gas analysis)

ECI Sample ID	ECI Container ID	Total Number**	ECI Sample ID	ECI Container ID	Total Number**
6	B	2			

Comments

Comments

(Containers with bubble for other analysis)

ECI Sample ID	ECI Container ID	Total Number**	Requested Analysis

Comments: _____

Reported by: **1053**
Reviewed by: **679**

** Record the total number of containers (i.e., vials or bottles) for the affected sample.



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Supplemental Report 1

The original report has been revised/corrected.



WORK ORDER NUMBER: 17-10-0707

The difference is service



AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: Geosyntec Consultants

Client Project Name: 777 N. Front Street / HR1305D-01

Attention: Goodwin Wharton
2100 Main Street
Suite 150
Huntington Beach, CA 92648-2460

Approved for release on 11/14/2017 by:
Stephen Nowak
Project Manager

ResultLink ▶

Email your PM ▶

Eurofins Calscience, Inc. (Calscience) certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any defense to any litigation which may arise.

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 Work Order Number: 17-10-0707

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Work Order Narrative

Work Order: 17-10-0707

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Condition Upon Receipt:

Samples were received under Chain-of-Custody (COC) on 10/10/17. They were assigned to Work Order 17-10-0707.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

Holding Times:

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of ≤ 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

Quality Control:

All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

Subcontractor Information:

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.

Additional Comments:

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.



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Sample Summary

Client:	Geosyntec Consultants	Work Order:	17-10-0707
	2100 Main Street, Suite 150	Project Name:	777 N. Front Street / HR1305D-01
	Huntington Beach, CA 92648-2460	PO Number:	
		Date/Time Received:	10/10/17 17:40
		Number of Containers:	26

Attn: Goodwin Wharton

Sample Identification	Lab Number	Collection Date and Time	Number of Containers	Matrix
NP-2-6	17-10-0707-1	10/09/17 16:25	4	Solid
NP-2-28	17-10-0707-2	10/09/17 16:45	4	Solid
NP-2-36	17-10-0707-3	10/09/17 17:00	4	Solid
NP-2-50	17-10-0707-4	10/10/17 08:25	4	Solid
NP-2-80	17-10-0707-5	10/10/17 09:55	4	Solid
EB-NP-2	17-10-0707-6	10/10/17 14:05	2	Aqueous
NP-3-12	17-10-0707-7	10/10/17 14:20	4	Solid


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Detections Summary

Client: Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

Work Order: 17-10-0707
Project Name: 777 N. Front Street / HR1305D-01
Received: 10/10/17

Attn: Goodwin Wharton

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Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction
NP-2-6 (17-10-0707-1)						
Acetone	27	J	6.0*	ug/kg	EPA 8260B	EPA 5035
Benzene	0.17	J	0.13*	ug/kg	EPA 8260B	EPA 5035
Tetrachloroethene	30		0.97	ug/kg	EPA 8260B	EPA 5035
NP-2-28 (17-10-0707-2)						
Acetone	7.0	J	5.5*	ug/kg	EPA 8260B	EPA 5035
Benzene	0.20	J	0.11*	ug/kg	EPA 8260B	EPA 5035
Tetrachloroethene	26		0.88	ug/kg	EPA 8260B	EPA 5035
NP-2-36 (17-10-0707-3)						
Acetone	6.6	J	5.4*	ug/kg	EPA 8260B	EPA 5035
Benzene	1.2		0.87	ug/kg	EPA 8260B	EPA 5035
Tetrachloroethene	110		0.87	ug/kg	EPA 8260B	EPA 5035
Toluene	0.58	J	0.45*	ug/kg	EPA 8260B	EPA 5035
Trichloroethene	0.69	J	0.26*	ug/kg	EPA 8260B	EPA 5035
NP-2-50 (17-10-0707-4)						
Acetone	6.1	J	5.6*	ug/kg	EPA 8260B	EPA 5035
Benzene	1.1		0.90	ug/kg	EPA 8260B	EPA 5035
Tetrachloroethene	65		0.90	ug/kg	EPA 8260B	EPA 5035
Toluene	0.50	J	0.46*	ug/kg	EPA 8260B	EPA 5035
Trichloroethene	0.33	J	0.27*	ug/kg	EPA 8260B	EPA 5035
NP-2-80 (17-10-0707-5)						
Acetone	5.8	J	5.7*	ug/kg	EPA 8260B	EPA 5035
Benzene	0.27	J	0.12*	ug/kg	EPA 8260B	EPA 5035
Tetrachloroethene	12		0.91	ug/kg	EPA 8260B	EPA 5035
Trichloroethene	0.29	J	0.27*	ug/kg	EPA 8260B	EPA 5035
NP-3-12 (17-10-0707-7)						
Acetone	8.3	J	6.2*	ug/kg	EPA 8260B	EPA 5035
Benzene	0.19	J	0.13*	ug/kg	EPA 8260B	EPA 5035
Tetrachloroethene	91		1.0	ug/kg	EPA 8260B	EPA 5035
Trichloroethene	0.31	J	0.30*	ug/kg	EPA 8260B	EPA 5035

Subcontracted analyses, if any, are not included in this summary.

* MDL is shown



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Analytical Report

Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

Date Received: 10/10/17
Work Order: 17-10-0707
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Project: 777 N. Front Street / HR1305D-01

Page 1 of 4

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
EB-NP-2	17-10-0707-6-A	10/10/17 14:05	Aqueous	GC/MS WW	10/16/17	10/16/17 16:49	171016L006

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	20	1.00	
Benzene	ND	0.50	1.00	
Bromobenzene	ND	1.0	1.00	
Bromochloromethane	ND	1.0	1.00	
Bromodichloromethane	ND	1.0	1.00	
Bromoform	ND	1.0	1.00	
Bromomethane	ND	10	1.00	
2-Butanone	ND	10	1.00	
n-Butylbenzene	ND	1.0	1.00	
sec-Butylbenzene	ND	1.0	1.00	
tert-Butylbenzene	ND	1.0	1.00	
Carbon Disulfide	ND	10	1.00	
Carbon Tetrachloride	ND	0.50	1.00	
Chlorobenzene	ND	1.0	1.00	
Chloroethane	ND	5.0	1.00	
Chloroform	ND	1.0	1.00	
Chloromethane	ND	10	1.00	
2-Chlorotoluene	ND	1.0	1.00	
4-Chlorotoluene	ND	1.0	1.00	
Dibromochloromethane	ND	1.0	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.00	
1,2-Dibromoethane	ND	1.0	1.00	
Dibromomethane	ND	1.0	1.00	
1,2-Dichlorobenzene	ND	1.0	1.00	
1,3-Dichlorobenzene	ND	1.0	1.00	
1,4-Dichlorobenzene	ND	1.0	1.00	
Dichlorodifluoromethane	ND	1.0	1.00	
1,1-Dichloroethane	ND	1.0	1.00	
1,2-Dichloroethane	ND	0.50	1.00	
1,1-Dichloroethene	ND	1.0	1.00	
c-1,2-Dichloroethene	ND	1.0	1.00	
t-1,2-Dichloroethene	ND	1.0	1.00	
1,2-Dichloropropane	ND	1.0	1.00	
1,3-Dichloropropane	ND	1.0	1.00	
2,2-Dichloropropane	ND	1.0	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



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Analytical Report

Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

Date Received: 10/10/17
Work Order: 17-10-0707
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Project: 777 N. Front Street / HR1305D-01

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<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
1,1-Dichloropropene	ND	1.0	1.00	
c-1,3-Dichloropropene	ND	0.50	1.00	
t-1,3-Dichloropropene	ND	0.50	1.00	
Ethylbenzene	ND	1.0	1.00	
2-Hexanone	ND	10	1.00	
Isopropylbenzene	ND	1.0	1.00	
p-Isopropyltoluene	ND	1.0	1.00	
Methylene Chloride	ND	10	1.00	
4-Methyl-2-Pentanone	ND	10	1.00	
Naphthalene	ND	10	1.00	
n-Propylbenzene	ND	1.0	1.00	
Styrene	ND	1.0	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	1.00	
Tetrachloroethene	ND	1.0	1.00	
Toluene	ND	1.0	1.00	
1,2,3-Trichlorobenzene	ND	1.0	1.00	
1,2,4-Trichlorobenzene	ND	1.0	1.00	
1,1,1-Trichloroethane	ND	1.0	1.00	
Hexachloro-1,3-Butadiene	ND	20	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1.00	
1,1,2-Trichloroethane	ND	1.0	1.00	
Trichloroethene	ND	1.0	1.00	
Trichlorofluoromethane	ND	10	1.00	
1,2,3-Trichloropropane	ND	5.0	1.00	
1,2,4-Trimethylbenzene	ND	1.0	1.00	
1,3,5-Trimethylbenzene	ND	1.0	1.00	
Vinyl Acetate	ND	10	1.00	
Vinyl Chloride	ND	0.50	1.00	
p/m-Xylene	ND	1.0	1.00	
o-Xylene	ND	1.0	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	92	78-120	
Dibromofluoromethane	101	80-126	
1,2-Dichloroethane-d4	108	80-129	
Toluene-d8	101	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

Date Received: 10/10/17
Work Order: 17-10-0707
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Project: 777 N. Front Street / HR1305D-01

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-14-316-3677	N/A	Aqueous	GC/MS WW	10/16/17	10/16/17 11:30	171016L006

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	20	1.00	
Benzene	ND	0.50	1.00	
Bromobenzene	ND	1.0	1.00	
Bromochloromethane	ND	1.0	1.00	
Bromodichloromethane	ND	1.0	1.00	
Bromoform	ND	1.0	1.00	
Bromomethane	ND	10	1.00	
2-Butanone	ND	10	1.00	
n-Butylbenzene	ND	1.0	1.00	
sec-Butylbenzene	ND	1.0	1.00	
tert-Butylbenzene	ND	1.0	1.00	
Carbon Disulfide	ND	10	1.00	
Carbon Tetrachloride	ND	0.50	1.00	
Chlorobenzene	ND	1.0	1.00	
Chloroethane	ND	5.0	1.00	
Chloroform	ND	1.0	1.00	
Chloromethane	ND	10	1.00	
2-Chlorotoluene	ND	1.0	1.00	
4-Chlorotoluene	ND	1.0	1.00	
Dibromochloromethane	ND	1.0	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.00	
1,2-Dibromoethane	ND	1.0	1.00	
Dibromomethane	ND	1.0	1.00	
1,2-Dichlorobenzene	ND	1.0	1.00	
1,3-Dichlorobenzene	ND	1.0	1.00	
1,4-Dichlorobenzene	ND	1.0	1.00	
Dichlorodifluoromethane	ND	1.0	1.00	
1,1-Dichloroethane	ND	1.0	1.00	
1,2-Dichloroethane	ND	0.50	1.00	
1,1-Dichloroethene	ND	1.0	1.00	
c-1,2-Dichloroethene	ND	1.0	1.00	
t-1,2-Dichloroethene	ND	1.0	1.00	
1,2-Dichloropropane	ND	1.0	1.00	
1,3-Dichloropropane	ND	1.0	1.00	
2,2-Dichloropropane	ND	1.0	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

Date Received: 10/10/17
Work Order: 17-10-0707
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Project: 777 N. Front Street / HR1305D-01

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<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
1,1-Dichloropropene	ND	1.0	1.00	
c-1,3-Dichloropropene	ND	0.50	1.00	
t-1,3-Dichloropropene	ND	0.50	1.00	
Ethylbenzene	ND	1.0	1.00	
2-Hexanone	ND	10	1.00	
Isopropylbenzene	ND	1.0	1.00	
p-Isopropyltoluene	ND	1.0	1.00	
Methylene Chloride	ND	10	1.00	
4-Methyl-2-Pentanone	ND	10	1.00	
Naphthalene	ND	10	1.00	
n-Propylbenzene	ND	1.0	1.00	
Styrene	ND	1.0	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	1.00	
Tetrachloroethene	ND	1.0	1.00	
Toluene	ND	1.0	1.00	
1,2,3-Trichlorobenzene	ND	1.0	1.00	
1,2,4-Trichlorobenzene	ND	1.0	1.00	
1,1,1-Trichloroethane	ND	1.0	1.00	
Hexachloro-1,3-Butadiene	ND	20	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1.00	
1,1,2-Trichloroethane	ND	1.0	1.00	
Trichloroethene	ND	1.0	1.00	
Trichlorofluoromethane	ND	10	1.00	
1,2,3-Trichloropropane	ND	5.0	1.00	
1,2,4-Trimethylbenzene	ND	1.0	1.00	
1,3,5-Trimethylbenzene	ND	1.0	1.00	
Vinyl Acetate	ND	10	1.00	
Vinyl Chloride	ND	0.50	1.00	
p/m-Xylene	ND	1.0	1.00	
o-Xylene	ND	1.0	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	92	78-120	
Dibromofluoromethane	97	80-126	
1,2-Dichloroethane-d4	99	80-129	
Toluene-d8	101	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

Date Received: 10/10/17
Work Order: 17-10-0707
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: 777 N. Front Street / HR1305D-01

Page 1 of 14

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
NP-2-6	17-10-0707-1-C	10/09/17 16:25	Solid	GC/MS LL	10/09/17	10/12/17 13:18	171012L010

Comment(s): - Results were evaluated to the MDL (DL), concentrations $\geq$ to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	27	48	6.0	1.00	J
Benzene	0.17	0.97	0.13	1.00	J
Bromobenzene	ND	0.97	0.20	1.00	
Bromochloromethane	ND	1.9	0.67	1.00	
Bromodichloromethane	ND	0.97	0.23	1.00	
Bromoform	ND	4.8	0.77	1.00	
Bromomethane	ND	19	9.1	1.00	
2-Butanone	ND	19	3.6	1.00	
n-Butylbenzene	ND	0.97	0.15	1.00	
sec-Butylbenzene	ND	0.97	0.56	1.00	
tert-Butylbenzene	ND	0.97	0.15	1.00	
Carbon Disulfide	ND	9.7	0.30	1.00	
Carbon Tetrachloride	ND	0.97	0.27	1.00	
Chlorobenzene	ND	0.97	0.22	1.00	
Chloroethane	ND	1.9	1.4	1.00	
Chloroform	ND	0.97	0.23	1.00	
Chloromethane	ND	19	0.29	1.00	
2-Chlorotoluene	ND	0.97	0.22	1.00	
4-Chlorotoluene	ND	0.97	0.21	1.00	
Dibromochloromethane	ND	1.9	0.55	1.00	
1,2-Dibromo-3-Chloropropane	ND	4.8	1.7	1.00	
1,2-Dibromoethane	ND	0.97	0.25	1.00	
Dibromomethane	ND	0.97	0.75	1.00	
1,2-Dichlorobenzene	ND	0.97	0.22	1.00	
1,3-Dichlorobenzene	ND	0.97	0.17	1.00	
1,4-Dichlorobenzene	ND	0.97	0.21	1.00	
Dichlorodifluoromethane	ND	1.9	0.43	1.00	
1,1-Dichloroethane	ND	0.97	0.20	1.00	
1,2-Dichloroethane	ND	0.97	0.30	1.00	
1,1-Dichloroethene	ND	0.97	0.33	1.00	
c-1,2-Dichloroethene	ND	0.97	0.27	1.00	
t-1,2-Dichloroethene	ND	0.97	0.49	1.00	
1,2-Dichloropropane	ND	0.97	0.42	1.00	
1,3-Dichloropropane	ND	0.97	0.24	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

Date Received: 10/10/17
Work Order: 17-10-0707
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: 777 N. Front Street / HR1305D-01

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<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>MDL</u>	<u>DF</u>	<u>Qualifiers</u>
2,2-Dichloropropane	ND	4.8	0.32	1.00	
1,1-Dichloropropene	ND	1.9	0.32	1.00	
c-1,3-Dichloropropene	ND	0.97	0.25	1.00	
t-1,3-Dichloropropene	ND	1.9	0.59	1.00	
Ethylbenzene	ND	0.97	0.15	1.00	
2-Hexanone	ND	19	1.7	1.00	
Isopropylbenzene	ND	0.97	0.53	1.00	
p-Isopropyltoluene	ND	0.97	0.61	1.00	
Methylene Chloride	ND	9.7	1.3	1.00	
4-Methyl-2-Pentanone	ND	19	4.2	1.00	
Naphthalene	ND	9.7	0.79	1.00	
n-Propylbenzene	ND	1.9	0.49	1.00	
Styrene	ND	0.97	0.58	1.00	
1,1,1,2-Tetrachloroethane	ND	0.97	0.23	1.00	
1,1,2,2-Tetrachloroethane	ND	1.9	0.33	1.00	
Tetrachloroethene	30	0.97	0.20	1.00	
Toluene	ND	0.97	0.50	1.00	
1,2,3-Trichlorobenzene	ND	1.9	0.88	1.00	
1,2,4-Trichlorobenzene	ND	1.9	0.30	1.00	
1,1,1-Trichloroethane	ND	0.97	0.22	1.00	
1,1,2-Trichloroethane	ND	0.97	0.34	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	9.7	0.34	1.00	
Trichloroethene	ND	1.9	0.29	1.00	
Trichlorofluoromethane	ND	9.7	0.36	1.00	
1,2,3-Trichloropropane	ND	1.9	0.80	1.00	
1,2,4-Trimethylbenzene	ND	1.9	0.57	1.00	
1,3,5-Trimethylbenzene	ND	1.9	0.53	1.00	
Vinyl Acetate	ND	9.7	4.6	1.00	
Vinyl Chloride	ND	0.97	0.49	1.00	
p/m-Xylene	ND	1.9	0.26	1.00	
o-Xylene	ND	0.97	0.54	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.9	0.29	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	97	80-120	
Dibromofluoromethane	104	79-133	
1,2-Dichloroethane-d4	110	71-155	
Toluene-d8	102	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

Date Received: 10/10/17
Work Order: 17-10-0707
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: 777 N. Front Street / HR1305D-01

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
NP-2-28	17-10-0707-2-C	10/09/17 16:45	Solid	GC/MS LL	10/09/17	10/12/17 13:47	171012L010

Comment(s): - Results were evaluated to the MDL (DL), concentrations $\geq$ to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	7.0	44	5.5	1.00	J
Benzene	0.20	0.88	0.11	1.00	J
Bromobenzene	ND	0.88	0.18	1.00	
Bromochloromethane	ND	1.8	0.61	1.00	
Bromodichloromethane	ND	0.88	0.20	1.00	
Bromoform	ND	4.4	0.70	1.00	
Bromomethane	ND	18	8.3	1.00	
2-Butanone	ND	18	3.3	1.00	
n-Butylbenzene	ND	0.88	0.14	1.00	
sec-Butylbenzene	ND	0.88	0.51	1.00	
tert-Butylbenzene	ND	0.88	0.13	1.00	
Carbon Disulfide	ND	8.8	0.27	1.00	
Carbon Tetrachloride	ND	0.88	0.25	1.00	
Chlorobenzene	ND	0.88	0.20	1.00	
Chloroethane	ND	1.8	1.3	1.00	
Chloroform	ND	0.88	0.21	1.00	
Chloromethane	ND	18	0.27	1.00	
2-Chlorotoluene	ND	0.88	0.20	1.00	
4-Chlorotoluene	ND	0.88	0.19	1.00	
Dibromochloromethane	ND	1.8	0.50	1.00	
1,2-Dibromo-3-Chloropropane	ND	4.4	1.5	1.00	
1,2-Dibromoethane	ND	0.88	0.22	1.00	
Dibromomethane	ND	0.88	0.68	1.00	
1,2-Dichlorobenzene	ND	0.88	0.20	1.00	
1,3-Dichlorobenzene	ND	0.88	0.15	1.00	
1,4-Dichlorobenzene	ND	0.88	0.20	1.00	
Dichlorodifluoromethane	ND	1.8	0.39	1.00	
1,1-Dichloroethane	ND	0.88	0.19	1.00	
1,2-Dichloroethane	ND	0.88	0.28	1.00	
1,1-Dichloroethene	ND	0.88	0.30	1.00	
c-1,2-Dichloroethene	ND	0.88	0.25	1.00	
t-1,2-Dichloroethene	ND	0.88	0.44	1.00	
1,2-Dichloropropane	ND	0.88	0.39	1.00	
1,3-Dichloropropane	ND	0.88	0.22	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

Date Received: 10/10/17
Work Order: 17-10-0707
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: 777 N. Front Street / HR1305D-01

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<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>MDL</u>	<u>DF</u>	<u>Qualifiers</u>
2,2-Dichloropropane	ND	4.4	0.29	1.00	
1,1-Dichloropropene	ND	1.8	0.29	1.00	
c-1,3-Dichloropropene	ND	0.88	0.22	1.00	
t-1,3-Dichloropropene	ND	1.8	0.53	1.00	
Ethylbenzene	ND	0.88	0.13	1.00	
2-Hexanone	ND	18	1.5	1.00	
Isopropylbenzene	ND	0.88	0.48	1.00	
p-Isopropyltoluene	ND	0.88	0.55	1.00	
Methylene Chloride	ND	8.8	1.2	1.00	
4-Methyl-2-Pentanone	ND	18	3.8	1.00	
Naphthalene	ND	8.8	0.72	1.00	
n-Propylbenzene	ND	1.8	0.44	1.00	
Styrene	ND	0.88	0.53	1.00	
1,1,1,2-Tetrachloroethane	ND	0.88	0.21	1.00	
1,1,2,2-Tetrachloroethane	ND	1.8	0.30	1.00	
Tetrachloroethene	26	0.88	0.18	1.00	
Toluene	ND	0.88	0.45	1.00	
1,2,3-Trichlorobenzene	ND	1.8	0.80	1.00	
1,2,4-Trichlorobenzene	ND	1.8	0.27	1.00	
1,1,1-Trichloroethane	ND	0.88	0.20	1.00	
1,1,2-Trichloroethane	ND	0.88	0.31	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	8.8	0.31	1.00	
Trichloroethene	ND	1.8	0.26	1.00	
Trichlorofluoromethane	ND	8.8	0.33	1.00	
1,2,3-Trichloropropane	ND	1.8	0.73	1.00	
1,2,4-Trimethylbenzene	ND	1.8	0.52	1.00	
1,3,5-Trimethylbenzene	ND	1.8	0.48	1.00	
Vinyl Acetate	ND	8.8	4.2	1.00	
Vinyl Chloride	ND	0.88	0.44	1.00	
p/m-Xylene	ND	1.8	0.24	1.00	
o-Xylene	ND	0.88	0.49	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.8	0.26	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	99	80-120	
Dibromofluoromethane	108	79-133	
1,2-Dichloroethane-d4	116	71-155	
Toluene-d8	102	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

Date Received: 10/10/17
Work Order: 17-10-0707
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: 777 N. Front Street / HR1305D-01

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
NP-2-36	17-10-0707-3-C	10/09/17 17:00	Solid	GC/MS LL	10/09/17	10/12/17 14:15	171012L010

Comment(s): - Results were evaluated to the MDL (DL), concentrations $\geq$ to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	6.6	44	5.4	1.00	J
Benzene	1.2	0.87	0.11	1.00	
Bromobenzene	ND	0.87	0.18	1.00	
Bromochloromethane	ND	1.7	0.60	1.00	
Bromodichloromethane	ND	0.87	0.20	1.00	
Bromoform	ND	4.4	0.69	1.00	
Bromomethane	ND	17	8.2	1.00	
2-Butanone	ND	17	3.3	1.00	
n-Butylbenzene	ND	0.87	0.14	1.00	
sec-Butylbenzene	ND	0.87	0.50	1.00	
tert-Butylbenzene	ND	0.87	0.13	1.00	
Carbon Disulfide	ND	8.7	0.27	1.00	
Carbon Tetrachloride	ND	0.87	0.25	1.00	
Chlorobenzene	ND	0.87	0.20	1.00	
Chloroethane	ND	1.7	1.3	1.00	
Chloroform	ND	0.87	0.21	1.00	
Chloromethane	ND	17	0.26	1.00	
2-Chlorotoluene	ND	0.87	0.20	1.00	
4-Chlorotoluene	ND	0.87	0.19	1.00	
Dibromochloromethane	ND	1.7	0.50	1.00	
1,2-Dibromo-3-Chloropropane	ND	4.4	1.5	1.00	
1,2-Dibromoethane	ND	0.87	0.22	1.00	
Dibromomethane	ND	0.87	0.67	1.00	
1,2-Dichlorobenzene	ND	0.87	0.20	1.00	
1,3-Dichlorobenzene	ND	0.87	0.15	1.00	
1,4-Dichlorobenzene	ND	0.87	0.19	1.00	
Dichlorodifluoromethane	ND	1.7	0.39	1.00	
1,1-Dichloroethane	ND	0.87	0.18	1.00	
1,2-Dichloroethane	ND	0.87	0.27	1.00	
1,1-Dichloroethene	ND	0.87	0.30	1.00	
c-1,2-Dichloroethene	ND	0.87	0.24	1.00	
t-1,2-Dichloroethene	ND	0.87	0.44	1.00	
1,2-Dichloropropane	ND	0.87	0.38	1.00	
1,3-Dichloropropane	ND	0.87	0.22	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

Date Received: 10/10/17
Work Order: 17-10-0707
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: 777 N. Front Street / HR1305D-01

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Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	4.4	0.29	1.00	
1,1-Dichloropropene	ND	1.7	0.29	1.00	
c-1,3-Dichloropropene	ND	0.87	0.22	1.00	
t-1,3-Dichloropropene	ND	1.7	0.53	1.00	
Ethylbenzene	ND	0.87	0.13	1.00	
2-Hexanone	ND	17	1.5	1.00	
Isopropylbenzene	ND	0.87	0.48	1.00	
p-Isopropyltoluene	ND	0.87	0.55	1.00	
Methylene Chloride	ND	8.7	1.2	1.00	
4-Methyl-2-Pentanone	ND	17	3.8	1.00	
Naphthalene	ND	8.7	0.71	1.00	
n-Propylbenzene	ND	1.7	0.44	1.00	
Styrene	ND	0.87	0.53	1.00	
1,1,1,2-Tetrachloroethane	ND	0.87	0.21	1.00	
1,1,2,2-Tetrachloroethane	ND	1.7	0.30	1.00	
Tetrachloroethene	110	0.87	0.18	1.00	
Toluene	0.58	0.87	0.45	1.00	J
1,2,3-Trichlorobenzene	ND	1.7	0.80	1.00	
1,2,4-Trichlorobenzene	ND	1.7	0.27	1.00	
1,1,1-Trichloroethane	ND	0.87	0.20	1.00	
1,1,2-Trichloroethane	ND	0.87	0.31	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	8.7	0.31	1.00	
Trichloroethene	0.69	1.7	0.26	1.00	J
Trichlorofluoromethane	ND	8.7	0.33	1.00	
1,2,3-Trichloropropane	ND	1.7	0.72	1.00	
1,2,4-Trimethylbenzene	ND	1.7	0.51	1.00	
1,3,5-Trimethylbenzene	ND	1.7	0.48	1.00	
Vinyl Acetate	ND	8.7	4.1	1.00	
Vinyl Chloride	ND	0.87	0.44	1.00	
p/m-Xylene	ND	1.7	0.23	1.00	
o-Xylene	ND	0.87	0.48	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.7	0.26	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	96	80-120	
Dibromofluoromethane	102	79-133	
1,2-Dichloroethane-d4	113	71-155	
Toluene-d8	102	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

Date Received: 10/10/17
Work Order: 17-10-0707
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: 777 N. Front Street / HR1305D-01

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
NP-2-50	17-10-0707-4-C	10/10/17 08:25	Solid	GC/MS LL	10/10/17	10/12/17 14:44	171012L010

Comment(s): - Results were evaluated to the MDL (DL), concentrations $\geq$ to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	6.1	45	5.6	1.00	J
Benzene	1.1	0.90	0.12	1.00	
Bromobenzene	ND	0.90	0.19	1.00	
Bromochloromethane	ND	1.8	0.62	1.00	
Bromodichloromethane	ND	0.90	0.21	1.00	
Bromoform	ND	4.5	0.71	1.00	
Bromomethane	ND	18	8.5	1.00	
2-Butanone	ND	18	3.4	1.00	
n-Butylbenzene	ND	0.90	0.14	1.00	
sec-Butylbenzene	ND	0.90	0.52	1.00	
tert-Butylbenzene	ND	0.90	0.14	1.00	
Carbon Disulfide	ND	9.0	0.27	1.00	
Carbon Tetrachloride	ND	0.90	0.25	1.00	
Chlorobenzene	ND	0.90	0.20	1.00	
Chloroethane	ND	1.8	1.3	1.00	
Chloroform	ND	0.90	0.21	1.00	
Chloromethane	ND	18	0.27	1.00	
2-Chlorotoluene	ND	0.90	0.21	1.00	
4-Chlorotoluene	ND	0.90	0.19	1.00	
Dibromochloromethane	ND	1.8	0.51	1.00	
1,2-Dibromo-3-Chloropropane	ND	4.5	1.6	1.00	
1,2-Dibromoethane	ND	0.90	0.23	1.00	
Dibromomethane	ND	0.90	0.70	1.00	
1,2-Dichlorobenzene	ND	0.90	0.21	1.00	
1,3-Dichlorobenzene	ND	0.90	0.16	1.00	
1,4-Dichlorobenzene	ND	0.90	0.20	1.00	
Dichlorodifluoromethane	ND	1.8	0.40	1.00	
1,1-Dichloroethane	ND	0.90	0.19	1.00	
1,2-Dichloroethane	ND	0.90	0.28	1.00	
1,1-Dichloroethene	ND	0.90	0.31	1.00	
c-1,2-Dichloroethene	ND	0.90	0.25	1.00	
t-1,2-Dichloroethene	ND	0.90	0.46	1.00	
1,2-Dichloropropane	ND	0.90	0.39	1.00	
1,3-Dichloropropane	ND	0.90	0.23	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

Date Received: 10/10/17
Work Order: 17-10-0707
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: 777 N. Front Street / HR1305D-01

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Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	4.5	0.30	1.00	
1,1-Dichloropropene	ND	1.8	0.30	1.00	
c-1,3-Dichloropropene	ND	0.90	0.23	1.00	
t-1,3-Dichloropropene	ND	1.8	0.54	1.00	
Ethylbenzene	ND	0.90	0.14	1.00	
2-Hexanone	ND	18	1.6	1.00	
Isopropylbenzene	ND	0.90	0.49	1.00	
p-Isopropyltoluene	ND	0.90	0.57	1.00	
Methylene Chloride	ND	9.0	1.2	1.00	
4-Methyl-2-Pentanone	ND	18	3.9	1.00	
Naphthalene	ND	9.0	0.73	1.00	
n-Propylbenzene	ND	1.8	0.45	1.00	
Styrene	ND	0.90	0.54	1.00	
1,1,1,2-Tetrachloroethane	ND	0.90	0.22	1.00	
1,1,2,2-Tetrachloroethane	ND	1.8	0.31	1.00	
Tetrachloroethene	65	0.90	0.19	1.00	
Toluene	0.50	0.90	0.46	1.00	J
1,2,3-Trichlorobenzene	ND	1.8	0.82	1.00	
1,2,4-Trichlorobenzene	ND	1.8	0.28	1.00	
1,1,1-Trichloroethane	ND	0.90	0.20	1.00	
1,1,2-Trichloroethane	ND	0.90	0.32	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	9.0	0.32	1.00	
Trichloroethene	0.33	1.8	0.27	1.00	J
Trichlorofluoromethane	ND	9.0	0.34	1.00	
1,2,3-Trichloropropane	ND	1.8	0.75	1.00	
1,2,4-Trimethylbenzene	ND	1.8	0.53	1.00	
1,3,5-Trimethylbenzene	ND	1.8	0.49	1.00	
Vinyl Acetate	ND	9.0	4.3	1.00	
Vinyl Chloride	ND	0.90	0.45	1.00	
p/m-Xylene	ND	1.8	0.24	1.00	
o-Xylene	ND	0.90	0.50	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.8	0.27	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	95	80-120	
Dibromofluoromethane	104	79-133	
1,2-Dichloroethane-d4	110	71-155	
Toluene-d8	101	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

Date Received: 10/10/17
Work Order: 17-10-0707
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: 777 N. Front Street / HR1305D-01

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
NP-2-80	17-10-0707-5-C	10/10/17 09:55	Solid	GC/MS LL	10/10/17	10/12/17 15:12	171012L010

Comment(s): - Results were evaluated to the MDL (DL), concentrations $\geq$ to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	5.8	46	5.7	1.00	J
Benzene	0.27	0.91	0.12	1.00	J
Bromobenzene	ND	0.91	0.19	1.00	
Bromochloromethane	ND	1.8	0.63	1.00	
Bromodichloromethane	ND	0.91	0.21	1.00	
Bromoform	ND	4.6	0.72	1.00	
Bromomethane	ND	18	8.6	1.00	
2-Butanone	ND	18	3.4	1.00	
n-Butylbenzene	ND	0.91	0.14	1.00	
sec-Butylbenzene	ND	0.91	0.53	1.00	
tert-Butylbenzene	ND	0.91	0.14	1.00	
Carbon Disulfide	ND	9.1	0.28	1.00	
Carbon Tetrachloride	ND	0.91	0.26	1.00	
Chlorobenzene	ND	0.91	0.20	1.00	
Chloroethane	ND	1.8	1.4	1.00	
Chloroform	ND	0.91	0.22	1.00	
Chloromethane	ND	18	0.28	1.00	
2-Chlorotoluene	ND	0.91	0.21	1.00	
4-Chlorotoluene	ND	0.91	0.19	1.00	
Dibromochloromethane	ND	1.8	0.52	1.00	
1,2-Dibromo-3-Chloropropane	ND	4.6	1.6	1.00	
1,2-Dibromoethane	ND	0.91	0.23	1.00	
Dibromomethane	ND	0.91	0.71	1.00	
1,2-Dichlorobenzene	ND	0.91	0.21	1.00	
1,3-Dichlorobenzene	ND	0.91	0.16	1.00	
1,4-Dichlorobenzene	ND	0.91	0.20	1.00	
Dichlorodifluoromethane	ND	1.8	0.40	1.00	
1,1-Dichloroethane	ND	0.91	0.19	1.00	
1,2-Dichloroethane	ND	0.91	0.29	1.00	
1,1-Dichloroethene	ND	0.91	0.32	1.00	
c-1,2-Dichloroethene	ND	0.91	0.26	1.00	
t-1,2-Dichloroethene	ND	0.91	0.46	1.00	
1,2-Dichloropropane	ND	0.91	0.40	1.00	
1,3-Dichloropropane	ND	0.91	0.23	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



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Analytical Report

Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

Date Received: 10/10/17
Work Order: 17-10-0707
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: 777 N. Front Street / HR1305D-01

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<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>MDL</u>	<u>DF</u>	<u>Qualifiers</u>
2,2-Dichloropropane	ND	4.6	0.30	1.00	
1,1-Dichloropropene	ND	1.8	0.30	1.00	
c-1,3-Dichloropropene	ND	0.91	0.23	1.00	
t-1,3-Dichloropropene	ND	1.8	0.55	1.00	
Ethylbenzene	ND	0.91	0.14	1.00	
2-Hexanone	ND	18	1.6	1.00	
Isopropylbenzene	ND	0.91	0.50	1.00	
p-Isopropyltoluene	ND	0.91	0.57	1.00	
Methylene Chloride	ND	9.1	1.2	1.00	
4-Methyl-2-Pentanone	ND	18	3.9	1.00	
Naphthalene	ND	9.1	0.74	1.00	
n-Propylbenzene	ND	1.8	0.46	1.00	
Styrene	ND	0.91	0.55	1.00	
1,1,1,2-Tetrachloroethane	ND	0.91	0.22	1.00	
1,1,2,2-Tetrachloroethane	ND	1.8	0.32	1.00	
Tetrachloroethene	12	0.91	0.19	1.00	
Toluene	ND	0.91	0.47	1.00	
1,2,3-Trichlorobenzene	ND	1.8	0.83	1.00	
1,2,4-Trichlorobenzene	ND	1.8	0.28	1.00	
1,1,1-Trichloroethane	ND	0.91	0.21	1.00	
1,1,2-Trichloroethane	ND	0.91	0.32	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	9.1	0.32	1.00	
Trichloroethene	0.29	1.8	0.27	1.00	J
Trichlorofluoromethane	ND	9.1	0.34	1.00	
1,2,3-Trichloropropane	ND	1.8	0.76	1.00	
1,2,4-Trimethylbenzene	ND	1.8	0.53	1.00	
1,3,5-Trimethylbenzene	ND	1.8	0.50	1.00	
Vinyl Acetate	ND	9.1	4.3	1.00	
Vinyl Chloride	ND	0.91	0.46	1.00	
p/m-Xylene	ND	1.8	0.24	1.00	
o-Xylene	ND	0.91	0.51	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.8	0.27	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	96	80-120	
Dibromofluoromethane	101	79-133	
1,2-Dichloroethane-d4	107	71-155	
Toluene-d8	102	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

Date Received: 10/10/17
Work Order: 17-10-0707
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: 777 N. Front Street / HR1305D-01

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
NP-3-12	17-10-0707-7-C	10/10/17 14:20	Solid	GC/MS LL	10/10/17	10/12/17 15:41	171012L010

Comment(s): - Results were evaluated to the MDL (DL), concentrations $\geq$ to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	8.3	50	6.2	1.00	J
Benzene	0.19	1.0	0.13	1.00	J
Bromobenzene	ND	1.0	0.21	1.00	
Bromochloromethane	ND	2.0	0.69	1.00	
Bromodichloromethane	ND	1.0	0.23	1.00	
Bromoform	ND	5.0	0.79	1.00	
Bromomethane	ND	20	9.4	1.00	
2-Butanone	ND	20	3.8	1.00	
n-Butylbenzene	ND	1.0	0.16	1.00	
sec-Butylbenzene	ND	1.0	0.58	1.00	
tert-Butylbenzene	ND	1.0	0.15	1.00	
Carbon Disulfide	ND	10	0.31	1.00	
Carbon Tetrachloride	ND	1.0	0.28	1.00	
Chlorobenzene	ND	1.0	0.22	1.00	
Chloroethane	ND	2.0	1.5	1.00	
Chloroform	ND	1.0	0.24	1.00	
Chloromethane	ND	20	0.30	1.00	
2-Chlorotoluene	ND	1.0	0.23	1.00	
4-Chlorotoluene	ND	1.0	0.21	1.00	
Dibromochloromethane	ND	2.0	0.57	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.7	1.00	
1,2-Dibromoethane	ND	1.0	0.26	1.00	
Dibromomethane	ND	1.0	0.77	1.00	
1,2-Dichlorobenzene	ND	1.0	0.23	1.00	
1,3-Dichlorobenzene	ND	1.0	0.18	1.00	
1,4-Dichlorobenzene	ND	1.0	0.22	1.00	
Dichlorodifluoromethane	ND	2.0	0.44	1.00	
1,1-Dichloroethane	ND	1.0	0.21	1.00	
1,2-Dichloroethane	ND	1.0	0.31	1.00	
1,1-Dichloroethene	ND	1.0	0.35	1.00	
c-1,2-Dichloroethene	ND	1.0	0.28	1.00	
t-1,2-Dichloroethene	ND	1.0	0.51	1.00	
1,2-Dichloropropane	ND	1.0	0.44	1.00	
1,3-Dichloropropane	ND	1.0	0.25	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

Date Received: 10/10/17
Work Order: 17-10-0707
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: 777 N. Front Street / HR1305D-01

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Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	5.0	0.33	1.00	
1,1-Dichloropropene	ND	2.0	0.33	1.00	
c-1,3-Dichloropropene	ND	1.0	0.25	1.00	
t-1,3-Dichloropropene	ND	2.0	0.61	1.00	
Ethylbenzene	ND	1.0	0.15	1.00	
2-Hexanone	ND	20	1.8	1.00	
Isopropylbenzene	ND	1.0	0.55	1.00	
p-Isopropyltoluene	ND	1.0	0.63	1.00	
Methylene Chloride	ND	10	1.3	1.00	
4-Methyl-2-Pentanone	ND	20	4.3	1.00	
Naphthalene	ND	10	0.81	1.00	
n-Propylbenzene	ND	2.0	0.50	1.00	
Styrene	ND	1.0	0.60	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	0.24	1.00	
1,1,2,2-Tetrachloroethane	ND	2.0	0.35	1.00	
Tetrachloroethene	91	1.0	0.21	1.00	
Toluene	ND	1.0	0.52	1.00	
1,2,3-Trichlorobenzene	ND	2.0	0.91	1.00	
1,2,4-Trichlorobenzene	ND	2.0	0.31	1.00	
1,1,1-Trichloroethane	ND	1.0	0.23	1.00	
1,1,2-Trichloroethane	ND	1.0	0.35	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.35	1.00	
Trichloroethene	0.31	2.0	0.30	1.00	J
Trichlorofluoromethane	ND	10	0.38	1.00	
1,2,3-Trichloropropane	ND	2.0	0.83	1.00	
1,2,4-Trimethylbenzene	ND	2.0	0.59	1.00	
1,3,5-Trimethylbenzene	ND	2.0	0.55	1.00	
Vinyl Acetate	ND	10	4.7	1.00	
Vinyl Chloride	ND	1.0	0.50	1.00	
p/m-Xylene	ND	2.0	0.27	1.00	
o-Xylene	ND	1.0	0.56	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	2.0	0.30	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	95	80-120	
Dibromofluoromethane	103	79-133	
1,2-Dichloroethane-d4	111	71-155	
Toluene-d8	102	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

Date Received: 10/10/17
Work Order: 17-10-0707
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: 777 N. Front Street / HR1305D-01

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-14-312-856	N/A	Solid	GC/MS LL	10/12/17	10/12/17 11:24	171012L010

Comment(s): - Results were evaluated to the MDL (DL), concentrations $\geq$ to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	50	6.2	1.00	
Benzene	ND	1.0	0.13	1.00	
Bromobenzene	ND	1.0	0.21	1.00	
Bromochloromethane	ND	2.0	0.69	1.00	
Bromodichloromethane	ND	1.0	0.23	1.00	
Bromoform	ND	5.0	0.79	1.00	
Bromomethane	ND	20	9.4	1.00	
2-Butanone	ND	20	3.8	1.00	
n-Butylbenzene	ND	1.0	0.16	1.00	
sec-Butylbenzene	ND	1.0	0.58	1.00	
tert-Butylbenzene	ND	1.0	0.15	1.00	
Carbon Disulfide	ND	10	0.31	1.00	
Carbon Tetrachloride	ND	1.0	0.28	1.00	
Chlorobenzene	ND	1.0	0.22	1.00	
Chloroethane	ND	2.0	1.5	1.00	
Chloroform	ND	1.0	0.24	1.00	
Chloromethane	ND	20	0.30	1.00	
2-Chlorotoluene	ND	1.0	0.23	1.00	
4-Chlorotoluene	ND	1.0	0.21	1.00	
Dibromochloromethane	ND	2.0	0.57	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.7	1.00	
1,2-Dibromoethane	ND	1.0	0.26	1.00	
Dibromomethane	ND	1.0	0.77	1.00	
1,2-Dichlorobenzene	ND	1.0	0.23	1.00	
1,3-Dichlorobenzene	ND	1.0	0.18	1.00	
1,4-Dichlorobenzene	ND	1.0	0.22	1.00	
Dichlorodifluoromethane	ND	2.0	0.44	1.00	
1,1-Dichloroethane	ND	1.0	0.21	1.00	
1,2-Dichloroethane	ND	1.0	0.31	1.00	
1,1-Dichloroethene	ND	1.0	0.35	1.00	
c-1,2-Dichloroethene	ND	1.0	0.28	1.00	
t-1,2-Dichloroethene	ND	1.0	0.51	1.00	
1,2-Dichloropropane	ND	1.0	0.44	1.00	
1,3-Dichloropropane	ND	1.0	0.25	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

Date Received: 10/10/17
Work Order: 17-10-0707
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: 777 N. Front Street / HR1305D-01

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<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>MDL</u>	<u>DF</u>	<u>Qualifiers</u>
2,2-Dichloropropane	ND	5.0	0.33	1.00	
1,1-Dichloropropene	ND	2.0	0.33	1.00	
c-1,3-Dichloropropene	ND	1.0	0.25	1.00	
t-1,3-Dichloropropene	ND	2.0	0.61	1.00	
Ethylbenzene	ND	1.0	0.15	1.00	
2-Hexanone	ND	20	1.8	1.00	
Isopropylbenzene	ND	1.0	0.55	1.00	
p-Isopropyltoluene	ND	1.0	0.63	1.00	
Methylene Chloride	ND	10	1.3	1.00	
4-Methyl-2-Pentanone	ND	20	4.3	1.00	
Naphthalene	ND	10	0.81	1.00	
n-Propylbenzene	ND	2.0	0.50	1.00	
Styrene	ND	1.0	0.60	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	0.24	1.00	
1,1,2,2-Tetrachloroethane	ND	2.0	0.35	1.00	
Tetrachloroethene	ND	1.0	0.21	1.00	
Toluene	ND	1.0	0.52	1.00	
1,2,3-Trichlorobenzene	ND	2.0	0.91	1.00	
1,2,4-Trichlorobenzene	ND	2.0	0.31	1.00	
1,1,1-Trichloroethane	ND	1.0	0.23	1.00	
1,1,2-Trichloroethane	ND	1.0	0.35	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.35	1.00	
Trichloroethene	ND	2.0	0.30	1.00	
Trichlorofluoromethane	ND	10	0.38	1.00	
1,2,3-Trichloropropane	ND	2.0	0.83	1.00	
1,2,4-Trimethylbenzene	ND	2.0	0.59	1.00	
1,3,5-Trimethylbenzene	ND	2.0	0.55	1.00	
Vinyl Acetate	ND	10	4.7	1.00	
Vinyl Chloride	ND	1.0	0.50	1.00	
p/m-Xylene	ND	2.0	0.27	1.00	
o-Xylene	ND	1.0	0.56	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	2.0	0.30	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	95	80-120	
Dibromofluoromethane	101	79-133	
1,2-Dichloroethane-d4	97	71-155	
Toluene-d8	101	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Quality Control - Spike/Spike Duplicate

Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

Date Received: 10/10/17
Work Order: 17-10-0707
Preparation: EPA 5030C
Method: EPA 8260B

Project: 777 N. Front Street / HR1305D-01

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Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number				
17-10-0924-6	Sample	Aqueous	GC/MS WW	10/16/17	10/16/17 12:28	171016S002				
17-10-0924-6	Matrix Spike	Aqueous	GC/MS WW	10/16/17	10/16/17 13:26	171016S002				
17-10-0924-6	Matrix Spike Duplicate	Aqueous	GC/MS WW	10/16/17	10/16/17 13:55	171016S002				
Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Acetone	ND	5000	4545	91	4903	98	50-146	8	0-28	
Benzene	53.02	5000	5304	105	5410	107	75-125	2	0-20	
Bromobenzene	ND	5000	5824	116	5937	119	75-125	2	0-20	
Bromochloromethane	ND	5000	5240	105	5370	107	75-127	2	0-20	
Bromodichloromethane	ND	5000	5797	116	6004	120	75-128	4	0-20	
Bromoform	ND	5000	5866	117	6088	122	69-129	4	0-20	
Bromomethane	ND	5000	6395	128	5853	117	26-176	9	0-40	
2-Butanone	ND	5000	4884	98	4914	98	62-134	1	0-20	
n-Butylbenzene	ND	5000	5610	112	5819	116	75-137	4	0-20	
sec-Butylbenzene	ND	5000	5636	113	5801	116	75-131	3	0-20	
tert-Butylbenzene	ND	5000	5571	111	5725	115	75-133	3	0-20	
Carbon Disulfide	ND	5000	5787	116	5904	118	50-152	2	0-31	
Carbon Tetrachloride	ND	5000	5570	111	5766	115	73-145	3	0-20	
Chlorobenzene	ND	5000	5484	110	5545	111	75-125	1	0-20	
Chloroethane	ND	5000	5105	102	5552	111	59-149	8	0-20	
Chloroform	ND	5000	5225	105	5386	108	75-125	3	0-20	
Chloromethane	ND	5000	6273	125	6808	136	55-145	8	0-20	
2-Chlorotoluene	ND	5000	5765	115	5755	115	75-125	0	0-20	
4-Chlorotoluene	ND	5000	5428	109	5653	113	75-125	4	0-20	
Dibromochloromethane	ND	5000	6135	123	6176	124	75-129	1	0-20	
1,2-Dibromo-3-Chloropropane	ND	5000	5539	111	5464	109	69-135	1	0-20	
1,2-Dibromoethane	ND	5000	5513	110	5364	107	75-125	3	0-20	
Dibromomethane	ND	5000	5271	105	5450	109	75-125	3	0-20	
1,2-Dichlorobenzene	ND	5000	5489	110	5664	113	75-125	3	0-20	
1,3-Dichlorobenzene	ND	5000	5433	109	5600	112	75-125	3	0-20	
1,4-Dichlorobenzene	ND	5000	5418	108	5539	111	75-125	2	0-20	
Dichlorodifluoromethane	ND	5000	5942	119	6236	125	25-169	5	0-20	
1,1-Dichloroethane	154.3	5000	5510	107	5476	106	75-125	1	0-20	
1,2-Dichloroethane	59.23	5000	5624	111	5737	114	75-125	2	0-20	
1,1-Dichloroethene	3610	5000	8474	97	8828	104	64-142	4	0-22	
c-1,2-Dichloroethene	18400	5000	21910	70	22900	90	75-128	4	0-20	3
t-1,2-Dichloroethene	ND	5000	5373	107	5476	110	76-136	2	0-20	
1,2-Dichloropropane	ND	5000	5436	109	5573	111	75-125	2	0-20	
1,3-Dichloropropane	ND	5000	5264	105	5269	105	75-125	0	0-20	
2,2-Dichloropropane	ND	5000	5654	113	5587	112	32-170	1	0-20	

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - Spike/Spike Duplicate

Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

Date Received: 10/10/17
Work Order: 17-10-0707
Preparation: EPA 5030C
Method: EPA 8260B

Project: 777 N. Front Street / HR1305D-01

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Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
1,1-Dichloropropene	ND	5000	4979	100	5166	103	75-133	4	0-20	
c-1,3-Dichloropropene	ND	5000	5521	110	5613	112	75-133	2	0-20	
t-1,3-Dichloropropene	ND	5000	5783	116	5692	114	74-140	2	0-20	
Ethylbenzene	ND	5000	5538	111	5609	112	75-125	1	0-20	
2-Hexanone	ND	5000	5356	107	4985	100	59-143	7	0-20	
Isopropylbenzene	ND	5000	5763	115	5869	117	75-133	2	0-20	
p-Isopropyltoluene	ND	5000	5746	115	5899	118	75-132	3	0-20	
Methylene Chloride	ND	5000	5677	114	5834	117	75-130	3	0-20	
4-Methyl-2-Pentanone	ND	5000	4825	96	4996	100	66-138	4	0-20	
Naphthalene	ND	5000	4939	99	5274	105	71-131	7	0-20	
n-Propylbenzene	ND	5000	5944	119	5956	119	75-132	0	0-20	
Styrene	ND	5000	5719	114	5668	113	75-132	1	0-40	
1,1,1,2-Tetrachloroethane	ND	5000	6033	121	6061	121	75-130	0	0-20	
1,1,2,2-Tetrachloroethane	ND	5000	5346	107	5397	108	75-131	1	0-20	
Tetrachloroethene	826.9	5000	5366	91	5337	90	59-131	1	0-20	
Toluene	ND	5000	5429	109	5578	112	75-125	3	0-20	
1,2,3-Trichlorobenzene	ND	5000	5424	108	5658	113	75-129	4	0-20	
1,2,4-Trichlorobenzene	ND	5000	5574	111	5786	116	73-133	4	0-20	
1,1,1-Trichloroethane	ND	5000	5364	107	5586	112	75-132	4	0-20	
Hexachloro-1,3-Butadiene	ND	5000	6590	132	6713	134	68-140	2	0-20	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	5000	5492	110	5491	110	47-161	0	0-24	
1,1,2-Trichloroethane	141.3	5000	5727	112	5521	108	75-125	4	0-20	
Trichloroethene	5004	5000	10470	109	11040	121	75-130	5	0-20	
Trichlorofluoromethane	ND	5000	6535	131	6711	134	60-162	3	0-20	
1,2,3-Trichloropropane	ND	5000	5338	107	5455	109	75-132	2	0-20	
1,2,4-Trimethylbenzene	ND	5000	5350	107	5527	111	75-126	3	0-20	
1,3,5-Trimethylbenzene	ND	5000	5889	118	5980	120	75-133	2	0-20	
Vinyl Acetate	ND	5000	3515	70	3482	70	20-161	1	0-40	
Vinyl Chloride	551.2	5000	5878	107	6167	112	61-151	5	0-20	
p/m-Xylene	ND	10000	11340	113	11430	114	75-133	1	0-20	
o-Xylene	ND	5000	5704	114	5825	116	75-136	2	0-20	
Methyl-t-Butyl Ether (MTBE)	ND	5000	4928	99	5115	102	75-128	4	0-20	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



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Quality Control - LCS

Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

Date Received: 10/10/17
Work Order: 17-10-0707
Preparation: EPA 5030C
Method: EPA 8260B

Project: 777 N. Front Street / HR1305D-01

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Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-14-316-3677	LCS	Aqueous	GC/MS WW	10/16/17	10/16/17 10:04	171016L006
Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Acetone	50.00	53.70	107	50-150	33-167	
Benzene	50.00	45.64	91	78-120	71-127	
Bromobenzene	50.00	51.63	103	80-120	73-127	
Bromochloromethane	50.00	44.84	90	77-125	69-133	
Bromodichloromethane	50.00	49.98	100	80-125	72-132	
Bromoform	50.00	54.15	108	68-128	58-138	
Bromomethane	50.00	49.37	99	50-150	33-167	
2-Butanone	50.00	46.18	92	53-137	39-151	
n-Butylbenzene	50.00	50.09	100	78-132	69-141	
sec-Butylbenzene	50.00	50.12	100	80-125	72-132	
tert-Butylbenzene	50.00	49.37	99	80-125	72-132	
Carbon Disulfide	50.00	50.66	101	50-150	33-167	
Carbon Tetrachloride	50.00	48.94	98	67-139	55-151	
Chlorobenzene	50.00	48.72	97	80-120	73-127	
Chloroethane	50.00	45.75	92	64-130	53-141	
Chloroform	50.00	44.35	89	77-120	70-127	
Chloromethane	50.00	60.73	121	56-128	44-140	
2-Chlorotoluene	50.00	50.09	100	80-121	73-128	
4-Chlorotoluene	50.00	47.54	95	80-120	73-127	
Dibromochloromethane	50.00	53.64	107	77-125	69-133	
1,2-Dibromo-3-Chloropropane	50.00	52.97	106	68-128	58-138	
1,2-Dibromoethane	50.00	49.46	99	80-120	73-127	
Dibromomethane	50.00	45.54	91	80-120	73-127	
1,2-Dichlorobenzene	50.00	48.36	97	80-120	73-127	
1,3-Dichlorobenzene	50.00	48.24	96	80-120	73-127	
1,4-Dichlorobenzene	50.00	47.88	96	80-120	73-127	
Dichlorodifluoromethane	50.00	54.72	109	50-150	33-167	
1,1-Dichloroethane	50.00	46.55	93	73-127	64-136	
1,2-Dichloroethane	50.00	48.71	97	75-123	67-131	
1,1-Dichloroethene	50.00	45.05	90	64-136	52-148	
c-1,2-Dichloroethene	50.00	42.11	84	78-120	71-127	
t-1,2-Dichloroethene	50.00	46.69	93	70-130	60-140	
1,2-Dichloropropane	50.00	47.14	94	80-120	73-127	
1,3-Dichloropropane	50.00	47.12	94	80-120	73-127	
2,2-Dichloropropane	50.00	47.94	96	53-155	36-172	
1,1-Dichloropropene	50.00	43.81	88	73-127	64-136	
c-1,3-Dichloropropene	50.00	48.51	97	80-129	72-137	
t-1,3-Dichloropropene	50.00	51.56	103	78-132	69-141	

RPD: Relative Percent Difference. CL: Control Limits



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Quality Control - LCS

Geosyntec Consultants	Date Received:	10/10/17
2100 Main Street, Suite 150	Work Order:	17-10-0707
Huntington Beach, CA 92648-2460	Preparation:	EPA 5030C
	Method:	EPA 8260B
Project: 777 N. Front Street / HR1305D-01		Page 2 of 4

<u>Parameter</u>	<u>Spike Added</u>	<u>Conc. Recovered</u>	<u>LCS %Rec.</u>	<u>%Rec. CL</u>	<u>ME CL</u>	<u>Qualifiers</u>
Ethylbenzene	50.00	48.36	97	80-120	73-127	
2-Hexanone	50.00	49.40	99	59-131	47-143	
Isopropylbenzene	50.00	51.18	102	80-126	72-134	
p-Isopropyltoluene	50.00	50.54	101	80-129	72-137	
Methylene Chloride	50.00	48.99	98	73-127	64-136	
4-Methyl-2-Pentanone	50.00	46.54	93	68-122	59-131	
Naphthalene	50.00	47.54	95	64-136	52-148	
n-Propylbenzene	50.00	51.24	102	80-125	72-132	
Styrene	50.00	50.26	101	80-122	73-129	
1,1,1,2-Tetrachloroethane	50.00	54.35	109	80-126	72-134	
1,1,2,2-Tetrachloroethane	50.00	47.87	96	76-120	69-127	
Tetrachloroethene	50.00	40.27	81	54-144	39-159	
Toluene	50.00	47.31	95	80-122	73-129	
1,2,3-Trichlorobenzene	50.00	49.40	99	76-130	67-139	
1,2,4-Trichlorobenzene	50.00	50.75	102	74-134	64-144	
1,1,1-Trichloroethane	50.00	46.97	94	73-127	64-136	
Hexachloro-1,3-Butadiene	50.00	55.94	112	75-135	65-145	
1,1,2-Trichloro-1,2,2-Trifluoroethane	50.00	46.03	92	53-155	36-172	
1,1,2-Trichloroethane	50.00	48.35	97	80-120	73-127	
Trichloroethene	50.00	49.30	99	77-125	69-133	
Trichlorofluoromethane	50.00	56.65	113	69-141	57-153	
1,2,3-Trichloropropane	50.00	48.80	98	77-125	69-133	
1,2,4-Trimethylbenzene	50.00	48.26	97	80-123	73-130	
1,3,5-Trimethylbenzene	50.00	51.64	103	80-126	72-134	
Vinyl Acetate	50.00	34.01	68	50-150	33-167	
Vinyl Chloride	50.00	47.29	95	63-135	51-147	
p/m-Xylene	100.0	99.50	99	80-125	72-132	
o-Xylene	50.00	50.67	101	80-125	72-132	
Methyl-t-Butyl Ether (MTBE)	50.00	44.89	90	77-120	70-127	

Total number of LCS compounds: 67

Total number of ME compounds: 0

Total number of ME compounds allowed: 3

LCS ME CL validation result: Pass

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



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Quality Control - LCS/LCSD

Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

Date Received: 10/10/17
Work Order: 17-10-0707
Preparation: EPA 5035
Method: EPA 8260B

Project: 777 N. Front Street / HR1305D-01

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Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-14-312-856	LCS	Solid	GC/MS LL	10/12/17	10/12/17 09:58	171012L010
099-14-312-856	LCSD	Solid	GC/MS LL	10/12/17	10/12/17 10:27	171012L010

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	ME CL	RPD	RPD CL	Qualifiers
Acetone	50.00	49.03	98	52.99	106	30-150	10-170	8	0-20	
Benzene	50.00	50.05	100	49.74	99	79-120	72-127	1	0-20	
Bromobenzene	50.00	52.00	104	52.25	105	80-120	73-127	0	0-20	
Bromochloromethane	50.00	56.77	114	56.52	113	80-120	73-127	0	0-20	
Bromodichloromethane	50.00	52.98	106	53.50	107	73-127	64-136	1	0-20	
Bromoform	50.00	48.31	97	49.52	99	55-133	42-146	2	0-20	
Bromomethane	50.00	62.13	124	59.12	118	36-144	18-162	5	0-20	
2-Butanone	50.00	51.98	104	52.21	104	56-176	36-196	0	0-20	
n-Butylbenzene	50.00	53.33	107	52.02	104	78-126	70-134	2	0-20	
sec-Butylbenzene	50.00	55.49	111	55.24	110	79-127	71-135	0	0-20	
tert-Butylbenzene	50.00	53.95	108	53.93	108	80-128	72-136	0	0-20	
Carbon Disulfide	50.00	50.94	102	50.91	102	53-125	41-137	0	0-20	
Carbon Tetrachloride	50.00	49.66	99	48.82	98	58-142	44-156	2	0-20	
Chlorobenzene	50.00	51.05	102	51.36	103	80-120	73-127	1	0-20	
Chloroethane	50.00	46.15	92	44.64	89	60-120	50-130	3	0-20	
Chloroform	50.00	50.95	102	51.35	103	80-120	73-127	1	0-20	
Chloromethane	50.00	47.19	94	45.48	91	50-122	38-134	4	0-20	
2-Chlorotoluene	50.00	53.12	106	52.90	106	80-125	72-132	0	0-20	
4-Chlorotoluene	50.00	53.16	106	53.04	106	80-120	73-127	0	0-20	
Dibromochloromethane	50.00	49.80	100	50.10	100	70-130	60-140	1	0-20	
1,2-Dibromo-3-Chloropropane	50.00	48.35	97	48.48	97	54-132	41-145	0	0-20	
1,2-Dibromoethane	50.00	54.33	109	54.61	109	80-120	73-127	1	0-20	
Dibromomethane	50.00	52.06	104	52.03	104	80-122	73-129	0	0-20	
1,2-Dichlorobenzene	50.00	51.93	104	51.93	104	80-120	73-127	0	0-20	
1,3-Dichlorobenzene	50.00	52.67	105	53.30	107	80-120	73-127	1	0-20	
1,4-Dichlorobenzene	50.00	52.24	104	52.51	105	80-120	73-127	1	0-20	
Dichlorodifluoromethane	50.00	39.74	79	38.21	76	32-158	11-179	4	0-20	
1,1-Dichloroethane	50.00	51.76	104	52.16	104	74-120	66-128	1	0-20	
1,2-Dichloroethane	50.00	47.75	96	48.05	96	79-121	72-128	1	0-20	
1,1-Dichloroethene	50.00	52.21	104	50.86	102	71-125	62-134	3	0-20	
c-1,2-Dichloroethene	50.00	51.69	103	51.59	103	80-123	73-130	0	0-20	
t-1,2-Dichloroethene	50.00	53.38	107	53.38	107	80-120	73-127	0	0-20	
1,2-Dichloropropane	50.00	50.71	101	51.06	102	77-120	70-127	1	0-20	
1,3-Dichloropropane	50.00	49.90	100	49.74	99	80-120	73-127	0	0-20	
2,2-Dichloropropane	50.00	48.63	97	48.20	96	58-142	44-156	1	0-20	
1,1-Dichloropropene	50.00	52.03	104	51.09	102	69-120	60-128	2	0-20	

RPD: Relative Percent Difference. CL: Control Limits



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Quality Control - LCS/LCSD

Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

Date Received: 10/10/17
Work Order: 17-10-0707
Preparation: EPA 5035
Method: EPA 8260B

Project: 777 N. Front Street / HR1305D-01

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Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	ME CL	RPD	RPD CL	Qualifiers
c-1,3-Dichloropropene	50.00	48.02	96	47.52	95	74-128	65-137	1	0-20	
t-1,3-Dichloropropene	50.00	47.96	96	48.18	96	66-120	57-129	0	0-20	
Ethylbenzene	50.00	53.40	107	53.15	106	80-120	73-127	0	0-20	
2-Hexanone	50.00	40.03	80	40.34	81	67-151	53-165	1	0-20	
Isopropylbenzene	50.00	54.88	110	54.48	109	80-129	72-137	1	0-20	
p-Isopropyltoluene	50.00	54.28	109	54.29	109	80-122	73-129	0	0-20	
Methylene Chloride	50.00	51.90	104	52.71	105	72-120	64-128	2	0-20	
4-Methyl-2-Pentanone	50.00	46.63	93	46.39	93	72-126	63-135	1	0-20	
Naphthalene	50.00	40.30	81	40.44	81	64-124	54-134	0	0-20	
n-Propylbenzene	50.00	54.35	109	53.39	107	80-122	73-129	2	0-20	
Styrene	50.00	52.50	105	52.10	104	80-123	73-130	1	0-20	
1,1,1,2-Tetrachloroethane	50.00	53.22	106	53.61	107	73-133	63-143	1	0-20	
1,1,2,2-Tetrachloroethane	50.00	51.62	103	52.33	105	77-120	70-127	1	0-20	
Tetrachloroethene	50.00	58.51	117	59.76	120	75-123	67-131	2	0-20	
Toluene	50.00	51.18	102	50.81	102	80-120	73-127	1	0-20	
1,2,3-Trichlorobenzene	50.00	45.99	92	45.84	92	73-127	64-136	0	0-20	
1,2,4-Trichlorobenzene	50.00	47.70	95	47.20	94	74-128	65-137	1	0-20	
1,1,1-Trichloroethane	50.00	50.17	100	49.82	100	71-131	61-141	1	0-20	
1,1,2-Trichloroethane	50.00	48.44	97	49.16	98	80-120	73-127	1	0-20	
1,1,2-Trichloro-1,2,2-Trifluoroethane	50.00	56.12	112	54.73	109	77-125	69-133	3	0-20	
Trichloroethene	50.00	50.35	101	49.59	99	80-120	73-127	2	0-20	
Trichlorofluoromethane	50.00	52.12	104	50.92	102	70-136	59-147	2	0-20	
1,2,3-Trichloropropane	50.00	47.56	95	48.43	97	60-120	50-130	2	0-20	
1,2,4-Trimethylbenzene	50.00	50.98	102	51.10	102	75-123	67-131	0	0-20	
1,3,5-Trimethylbenzene	50.00	53.07	106	52.38	105	80-123	73-130	1	0-20	
Vinyl Acetate	50.00	46.40	93	45.39	91	51-159	33-177	2	0-20	
Vinyl Chloride	50.00	47.89	96	46.72	93	68-120	59-129	2	0-20	
p/m-Xylene	100.0	103.9	104	102.3	102	80-122	73-129	2	0-20	
o-Xylene	50.00	52.37	105	51.95	104	79-127	71-135	1	0-20	
Methyl-t-Butyl Ether (MTBE)	50.00	46.36	93	46.81	94	64-124	54-134	1	0-20	

Total number of LCS compounds: 66

Total number of ME compounds: 0

Total number of ME compounds allowed: 3

LCS ME CL validation result: Pass

RPD: Relative Percent Difference. CL: Control Limits



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Sample Analysis Summary Report

Work Order: 17-10-0707

Page 1 of 1

<u>Method</u>	<u>Extraction</u>	<u>Chemist ID</u>	<u>Instrument</u>	<u>Analytical Location</u>
EPA 8260B	EPA 5035	867	GC/MS LL	2
EPA 8260B	EPA 5030C	1055	GC/MS WW	2


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Location 2: 7445 Lampson Avenue, Garden Grove, CA 92841

Glossary of Terms and Qualifiers

Work Order: 17-10-0707

Page 1 of 1

<u>Qualifiers</u>	<u>Definition</u>
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control.
4	The MS/MSD RPD was out of control due to suspected matrix interference.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
BV	Sample received after holding time expired.
CI	See case narrative.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
JA	Analyte positively identified but quantitation is an estimate.
ME	LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean).
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.
	Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.
	Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of ≤ 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.
	A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations.

SAMPLE RECEIPT CHECKLIST

COOLER 1 OF 1CLIENT: GEOSYNTECDATE: 10/10/2017

TEMPERATURE: (Criteria: 0.0°C – 6.0°C, not frozen except sediment/tissue)

Thermometer ID: SC6 (CF: -0.4°C); Temperature (w/o CF): 3.6 °C (w/ CF): 3.2 °C; ☒ Blank ☐ Sample☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____)☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling☐ Sample(s) received at ambient temperature; placed on ice for transport by courierAmbient Temperature: ☐ Air ☐ FilterChecked by: 809

CUSTODY SEAL:

Cooler ☐ Present and Intact ☐ Present but Not Intact ☒ Not Present ☐ N/AChecked by: 809Sample(s) ☐ Present and Intact ☐ Present but Not Intact ☒ Not Present ☐ N/AChecked by: 689

SAMPLE CONDITION:

Chain-of-Custody (COC) document(s) received with samples ☒ Yes ☐ No ☐ N/ACOC document(s) received complete ☒ Yes ☐ No ☐ N/A☐ Sampling date ☐ Sampling time ☐ Matrix ☐ Number of containers☐ No analysis requested ☐ Not relinquished ☐ No relinquished date ☐ No relinquished timeSampler's name indicated on COC ☒ Yes ☐ No ☐ N/ASample container label(s) consistent with COC ☒ Yes ☐ No ☐ N/ASample container(s) intact and in good condition ☒ Yes ☐ No ☐ N/AProper containers for analyses requested ☒ Yes ☐ No ☐ N/ASufficient volume/mass for analyses requested ☒ Yes ☐ No ☐ N/ASamples received within holding time ☒ Yes ☐ No ☐ N/A

Aqueous samples for certain analyses received within 15-minute holding time

☐ pH ☐ Residual Chlorine ☐ Dissolved Sulfide ☐ Dissolved Oxygen ☐ Yes ☐ No ☒ N/AProper preservation chemical(s) noted on COC and/or sample container ☒ Yes ☐ No ☐ N/A

Unpreserved aqueous sample(s) received for certain analyses

☐ Volatile Organics ☐ Total Metals ☐ Dissolved MetalsAcid/base preserved samples - pH within acceptable range ☐ Yes ☐ No ☒ N/AContainer(s) for certain analysis free of headspace ☒ Yes ☐ No ☐ N/A☒ Volatile Organics ☐ Dissolved Gases (RSK-175) ☐ Dissolved Oxygen (SM 4500)☐ Carbon Dioxide (SM 4500) ☐ Ferrous Iron (SM 3500) ☐ Hydrogen Sulfide (Hach)Tedlar™ bag(s) free of condensation ☐ Yes ☐ No ☒ N/A

CONTAINER TYPE:

(Trip Blank Lot Number: _____)

Aqueous: ☐ VOA ☒ VOAh ☐ VOAna₂ ☐ 100PJ ☐ 100PJna₂ ☐ 125AGB ☐ 125AGBh ☐ 125AGBp ☐ 125PB ☐ 125PBznna (pH__9)☐ 250AGB ☐ 250CGB ☐ 250CGBs (pH__2) ☐ 250PB ☐ 250PBn (pH__2) ☐ 500AGB ☐ 500AGJ ☐ 500AGJs (pH__2) ☐ 500PB☐ 1AGB ☐ 1AGBna₂ ☐ 1AGBs (pH__2) ☐ 1AGBs (O&G) ☐ 1PB ☐ 1PBna (pH__12) ☐ _____ ☐ _____Solid: ☐ 4ozCGJ ☐ 8ozCGJ ☐ 16ozCGJ ☐ Sleeve (____) ☐ EnCores® (____) ☒ TerraCores® (3) ☒ 2ozPJ ☐ _____ ☐ _____Air: ☐ Tedlar™ ☐ Canister ☐ Sorbent Tube ☐ PUF ☐ _____ Other Matrix (____): ☐ _____ ☐ _____

Container: A = Amber, B = Bottle, C = Clear, E = Envelope, G = Glass, J = Jar, P = Plastic, and Z = Ziploc/Resealable Bag

Preservative: b = buffered, f = filtered, h = HCl, n = HNO₃, na = NaOH, na₂ = Na₂S₂O₃, p = H₃PO₄, Labeled/Checked by: 689s = H₂SO₄, u = ultra-pure, x = Na₂SO₃+NaHSO₄·H₂O, znna = Zn (CH₃CO₂)₂ + NaOHReviewed by: 778



Supplemental Report 1

The original report has been revised/corrected.

**WORK ORDER NUMBER: 17-10-0812***The difference is service*

AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For**Client:** Geosyntec Consultants**Client Project Name:** 777 N. Front Street / HR1305D-01
Attention: Goodwin Wharton
 2100 Main Street
 Suite 150
 Huntington Beach, CA 92648-2460

A handwritten signature in black ink, appearing to read "S. Nowak".

 Approved for release on 11/03/2017 by:
 Stephen Nowak
 Project Manager

ResultLink ▶

Email your PM ▶

Eurofins Calscience, Inc. (Calscience) certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any defense to any litigation which may arise.

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 Work Order Number: 17-10-0812

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Work Order: 17-10-0812

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Condition Upon Receipt:

Samples were received under Chain-of-Custody (COC) on 10/11/17. They were assigned to Work Order 17-10-0812.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

Holding Times:

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of ≤ 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

Quality Control:

All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

Subcontractor Information:

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.

Additional Comments:

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.



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Sample Summary

Client: Geosyntec Consultants	Work Order: 17-10-0812
2100 Main Street, Suite 150	Project Name: 777 N. Front Street / HR1305D-01
Huntington Beach, CA 92648-2460	PO Number:
	Date/Time Received: 10/11/17 18:45
	Number of Containers: 34

Attn: Goodwin Wharton

Sample Identification	Lab Number	Collection Date and Time	Number of Containers	Matrix
NP-3-16	17-10-0812-1	10/10/17 15:25	4	Solid
NP-3-32	17-10-0812-2	10/10/17 15:30	4	Solid
NP-3-46	17-10-0812-3	10/10/17 15:40	4	Solid
NP-4-10	17-10-0812-4	10/11/17 09:05	4	Solid
NP-4-18	17-10-0812-5	10/11/17 09:35	4	Solid
NP-4-40	17-10-0812-6	10/11/17 09:50	4	Solid
NP-4-58	17-10-0812-7	10/11/17 10:45	4	Solid
NP-4-80	17-10-0812-8	10/11/17 11:10	4	Solid
EB-NP-4	17-10-0812-9	10/11/17 13:20	2	Aqueous


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Detections Summary

Client: Geosyntec Consultants
 2100 Main Street, Suite 150
 Huntington Beach, CA 92648-2460

Work Order: 17-10-0812
 Project Name: 777 N. Front Street / HR1305D-01
 Received: 10/11/17

Attn: Goodwin Wharton

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Client SampleID

<u>Analyte</u>	<u>Result</u>	<u>Qualifiers</u>	<u>RL</u>	<u>Units</u>	<u>Method</u>	<u>Extraction</u>
NP-3-16 (17-10-0812-1)						
Tetrachloroethene	99		47	ug/kg	EPA 8260B	EPA 5035
NP-4-10 (17-10-0812-4)						
Tetrachloroethene	13	J	10*	ug/kg	EPA 8260B	EPA 5035
NP-4-40 (17-10-0812-6)						
Tetrachloroethene	28	J	10*	ug/kg	EPA 8260B	EPA 5035
NP-4-80 (17-10-0812-8)						
Tetrachloroethene	20	J	9.9*	ug/kg	EPA 8260B	EPA 5035

Subcontracted analyses, if any, are not included in this summary.

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* MDL is shown



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Analytical Report

Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

Date Received: 10/11/17
Work Order: 17-10-0812
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Project: 777 N. Front Street / HR1305D-01

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
EB-NP-4	17-10-0812-9-B	10/11/17 13:20	Aqueous	GC/MS XX	10/17/17	10/17/17 19:15	171017L037

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	20	1.00	
Benzene	ND	0.50	1.00	
Bromobenzene	ND	1.0	1.00	
Bromochloromethane	ND	1.0	1.00	
Bromodichloromethane	ND	1.0	1.00	
Bromoform	ND	1.0	1.00	
Bromomethane	ND	10	1.00	
2-Butanone	ND	10	1.00	
n-Butylbenzene	ND	1.0	1.00	
sec-Butylbenzene	ND	1.0	1.00	
tert-Butylbenzene	ND	1.0	1.00	
Carbon Disulfide	ND	10	1.00	
Carbon Tetrachloride	ND	0.50	1.00	
Chlorobenzene	ND	1.0	1.00	
Chloroethane	ND	5.0	1.00	
Chloroform	ND	1.0	1.00	
Chloromethane	ND	10	1.00	
2-Chlorotoluene	ND	1.0	1.00	
4-Chlorotoluene	ND	1.0	1.00	
Dibromochloromethane	ND	1.0	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.00	
1,2-Dibromoethane	ND	1.0	1.00	
Dibromomethane	ND	1.0	1.00	
1,2-Dichlorobenzene	ND	1.0	1.00	
1,3-Dichlorobenzene	ND	1.0	1.00	
1,4-Dichlorobenzene	ND	1.0	1.00	
Dichlorodifluoromethane	ND	1.0	1.00	
1,1-Dichloroethane	ND	1.0	1.00	
1,2-Dichloroethane	ND	0.50	1.00	
1,1-Dichloroethene	ND	1.0	1.00	
c-1,2-Dichloroethene	ND	1.0	1.00	
t-1,2-Dichloroethene	ND	1.0	1.00	
1,2-Dichloropropane	ND	1.0	1.00	
1,3-Dichloropropane	ND	1.0	1.00	
2,2-Dichloropropane	ND	1.0	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



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Analytical Report

Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

Date Received: 10/11/17
Work Order: 17-10-0812
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Project: 777 N. Front Street / HR1305D-01

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<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
1,1-Dichloropropene	ND	1.0	1.00	
c-1,3-Dichloropropene	ND	0.50	1.00	
t-1,3-Dichloropropene	ND	0.50	1.00	
Ethylbenzene	ND	1.0	1.00	
2-Hexanone	ND	10	1.00	
Isopropylbenzene	ND	1.0	1.00	
p-Isopropyltoluene	ND	1.0	1.00	
Methylene Chloride	ND	10	1.00	
4-Methyl-2-Pentanone	ND	10	1.00	
Naphthalene	ND	10	1.00	
n-Propylbenzene	ND	1.0	1.00	
Styrene	ND	1.0	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	1.00	
Tetrachloroethene	ND	1.0	1.00	
Toluene	ND	1.0	1.00	
1,2,3-Trichlorobenzene	ND	1.0	1.00	
1,2,4-Trichlorobenzene	ND	1.0	1.00	
1,1,1-Trichloroethane	ND	1.0	1.00	
Hexachloro-1,3-Butadiene	ND	20	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1.00	
1,1,2-Trichloroethane	ND	1.0	1.00	
Trichloroethene	ND	1.0	1.00	
Trichlorofluoromethane	ND	10	1.00	
1,2,3-Trichloropropane	ND	5.0	1.00	
1,2,4-Trimethylbenzene	ND	1.0	1.00	
1,3,5-Trimethylbenzene	ND	1.0	1.00	
Vinyl Acetate	ND	10	1.00	
Vinyl Chloride	ND	0.50	1.00	
p/m-Xylene	ND	1.0	1.00	
o-Xylene	ND	1.0	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	97	78-120	
Dibromofluoromethane	101	80-126	
1,2-Dichloroethane-d4	103	80-129	
Toluene-d8	99	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



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Analytical Report

Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

Date Received: 10/11/17
Work Order: 17-10-0812
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Project: 777 N. Front Street / HR1305D-01

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-14-316-3685	N/A	Aqueous	GC/MS XX	10/17/17	10/17/17 14:04	171017L037

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	20	1.00	
Benzene	ND	0.50	1.00	
Bromobenzene	ND	1.0	1.00	
Bromochloromethane	ND	1.0	1.00	
Bromodichloromethane	ND	1.0	1.00	
Bromoform	ND	1.0	1.00	
Bromomethane	ND	10	1.00	
2-Butanone	ND	10	1.00	
n-Butylbenzene	ND	1.0	1.00	
sec-Butylbenzene	ND	1.0	1.00	
tert-Butylbenzene	ND	1.0	1.00	
Carbon Disulfide	ND	10	1.00	
Carbon Tetrachloride	ND	0.50	1.00	
Chlorobenzene	ND	1.0	1.00	
Chloroethane	ND	5.0	1.00	
Chloroform	ND	1.0	1.00	
Chloromethane	ND	10	1.00	
2-Chlorotoluene	ND	1.0	1.00	
4-Chlorotoluene	ND	1.0	1.00	
Dibromochloromethane	ND	1.0	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.00	
1,2-Dibromoethane	ND	1.0	1.00	
Dibromomethane	ND	1.0	1.00	
1,2-Dichlorobenzene	ND	1.0	1.00	
1,3-Dichlorobenzene	ND	1.0	1.00	
1,4-Dichlorobenzene	ND	1.0	1.00	
Dichlorodifluoromethane	ND	1.0	1.00	
1,1-Dichloroethane	ND	1.0	1.00	
1,2-Dichloroethane	ND	0.50	1.00	
1,1-Dichloroethene	ND	1.0	1.00	
c-1,2-Dichloroethene	ND	1.0	1.00	
t-1,2-Dichloroethene	ND	1.0	1.00	
1,2-Dichloropropane	ND	1.0	1.00	
1,3-Dichloropropane	ND	1.0	1.00	
2,2-Dichloropropane	ND	1.0	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

Date Received: 10/11/17
Work Order: 17-10-0812
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Project: 777 N. Front Street / HR1305D-01

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<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
1,1-Dichloropropene	ND	1.0	1.00	
c-1,3-Dichloropropene	ND	0.50	1.00	
t-1,3-Dichloropropene	ND	0.50	1.00	
Ethylbenzene	ND	1.0	1.00	
2-Hexanone	ND	10	1.00	
Isopropylbenzene	ND	1.0	1.00	
p-Isopropyltoluene	ND	1.0	1.00	
Methylene Chloride	ND	10	1.00	
4-Methyl-2-Pentanone	ND	10	1.00	
Naphthalene	ND	10	1.00	
n-Propylbenzene	ND	1.0	1.00	
Styrene	ND	1.0	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	1.00	
Tetrachloroethene	ND	1.0	1.00	
Toluene	ND	1.0	1.00	
1,2,3-Trichlorobenzene	ND	1.0	1.00	
1,2,4-Trichlorobenzene	ND	1.0	1.00	
1,1,1-Trichloroethane	ND	1.0	1.00	
Hexachloro-1,3-Butadiene	ND	20	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1.00	
1,1,2-Trichloroethane	ND	1.0	1.00	
Trichloroethene	ND	1.0	1.00	
Trichlorofluoromethane	ND	10	1.00	
1,2,3-Trichloropropane	ND	5.0	1.00	
1,2,4-Trimethylbenzene	ND	1.0	1.00	
1,3,5-Trimethylbenzene	ND	1.0	1.00	
Vinyl Acetate	ND	10	1.00	
Vinyl Chloride	ND	0.50	1.00	
p/m-Xylene	ND	1.0	1.00	
o-Xylene	ND	1.0	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	96	78-120	
Dibromofluoromethane	102	80-126	
1,2-Dichloroethane-d4	103	80-129	
Toluene-d8	99	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

Date Received: 10/11/17
Work Order: 17-10-0812
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: 777 N. Front Street / HR1305D-01

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
NP-3-16	17-10-0812-1-E	10/10/17 15:25	Solid	GC/MS BB	10/10/17	10/12/17 23:16	171012L063

Comment(s): - Results were evaluated to the MDL (DL), concentrations $\geq$ to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	2300	290	50.0	
Benzene	ND	47	6.1	50.0	
Bromobenzene	ND	47	9.8	50.0	
Bromochloromethane	ND	93	32	50.0	
Bromodichloromethane	ND	47	11	50.0	
Bromoform	ND	230	37	50.0	
Bromomethane	ND	930	440	50.0	
2-Butanone	ND	930	180	50.0	
n-Butylbenzene	ND	47	7.3	50.0	
sec-Butylbenzene	ND	47	27	50.0	
tert-Butylbenzene	ND	47	7.0	50.0	
Carbon Disulfide	ND	470	14	50.0	
Carbon Tetrachloride	ND	47	13	50.0	
Chlorobenzene	ND	47	10	50.0	
Chloroethane	ND	93	70	50.0	
Chloroform	ND	47	11	50.0	
Chloromethane	ND	930	14	50.0	
2-Chlorotoluene	ND	47	11	50.0	
4-Chlorotoluene	ND	47	9.9	50.0	
Dibromochloromethane	ND	93	27	50.0	
1,2-Dibromo-3-Chloropropane	ND	230	81	50.0	
1,2-Dibromoethane	ND	47	12	50.0	
Dibromomethane	ND	47	36	50.0	
1,2-Dichlorobenzene	ND	47	11	50.0	
1,3-Dichlorobenzene	ND	47	8.2	50.0	
1,4-Dichlorobenzene	ND	47	10	50.0	
Dichlorodifluoromethane	ND	93	21	50.0	
1,1-Dichloroethane	ND	47	9.9	50.0	
1,2-Dichloroethane	ND	47	15	50.0	
1,1-Dichloroethene	ND	47	16	50.0	
c-1,2-Dichloroethene	ND	47	13	50.0	
t-1,2-Dichloroethene	ND	47	24	50.0	
1,2-Dichloropropane	ND	47	20	50.0	
1,3-Dichloropropane	ND	47	12	50.0	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

Geosyntec Consultants	Date Received:	10/11/17
2100 Main Street, Suite 150	Work Order:	17-10-0812
Huntington Beach, CA 92648-2460	Preparation:	EPA 5035
	Method:	EPA 8260B
	Units:	ug/kg
Project: 777 N. Front Street / HR1305D-01		Page 2 of 20

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>MDL</u>	<u>DF</u>	<u>Qualifiers</u>
2,2-Dichloropropane	ND	230	15	50.0	
1,1-Dichloropropene	ND	93	15	50.0	
c-1,3-Dichloropropene	ND	47	12	50.0	
t-1,3-Dichloropropene	ND	93	28	50.0	
Ethylbenzene	ND	47	7.1	50.0	
2-Hexanone	ND	930	82	50.0	
Isopropylbenzene	ND	47	25	50.0	
p-Isopropyltoluene	ND	47	29	50.0	
Methylene Chloride	ND	470	62	50.0	
4-Methyl-2-Pentanone	ND	930	200	50.0	
Naphthalene	ND	470	38	50.0	
n-Propylbenzene	ND	93	23	50.0	
Styrene	ND	47	28	50.0	
1,1,1,2-Tetrachloroethane	ND	47	11	50.0	
1,1,2,2-Tetrachloroethane	ND	93	16	50.0	
Tetrachloroethene	99	47	9.8	50.0	
Toluene	ND	47	24	50.0	
1,2,3-Trichlorobenzene	ND	93	43	50.0	
1,2,4-Trichlorobenzene	ND	93	14	50.0	
1,1,1-Trichloroethane	ND	47	11	50.0	
1,1,2-Trichloroethane	ND	47	17	50.0	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	470	16	50.0	
Trichloroethene	ND	93	14	50.0	
Trichlorofluoromethane	ND	470	17	50.0	
1,2,3-Trichloropropane	ND	93	39	50.0	
1,2,4-Trimethylbenzene	ND	93	27	50.0	
1,3,5-Trimethylbenzene	ND	93	26	50.0	
Vinyl Acetate	ND	470	220	50.0	
Vinyl Chloride	ND	47	23	50.0	
p/m-Xylene	ND	93	12	50.0	
o-Xylene	ND	47	26	50.0	
Methyl-t-Butyl Ether (MTBE)	ND	93	14	50.0	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	99	80-120	
Dibromofluoromethane	99	79-133	
1,2-Dichloroethane-d4	102	71-155	
Toluene-d8	100	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



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Analytical Report

Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

Date Received: 10/11/17
Work Order: 17-10-0812
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: 777 N. Front Street / HR1305D-01

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
NP-3-32	17-10-0812-2-E	10/10/17 15:30	Solid	GC/MS BB	10/10/17	10/12/17 23:45	171012L063

Comment(s): - Results were evaluated to the MDL (DL), concentrations $\geq$ to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.
- The reporting limits are elevated due to high levels of non-target compounds.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	2400	300	50.0	
Benzene	ND	48	6.2	50.0	
Bromobenzene	ND	48	10	50.0	
Bromochloromethane	ND	96	33	50.0	
Bromodichloromethane	ND	48	11	50.0	
Bromoform	ND	240	38	50.0	
Bromomethane	ND	960	450	50.0	
2-Butanone	ND	960	180	50.0	
n-Butylbenzene	ND	48	7.5	50.0	
sec-Butylbenzene	ND	48	28	50.0	
tert-Butylbenzene	ND	48	7.3	50.0	
Carbon Disulfide	ND	480	15	50.0	
Carbon Tetrachloride	ND	48	14	50.0	
Chlorobenzene	ND	48	11	50.0	
Chloroethane	ND	96	72	50.0	
Chloroform	ND	48	11	50.0	
Chloromethane	ND	960	15	50.0	
2-Chlorotoluene	ND	48	11	50.0	
4-Chlorotoluene	ND	48	10	50.0	
Dibromochloromethane	ND	96	27	50.0	
1,2-Dibromo-3-Chloropropane	ND	240	84	50.0	
1,2-Dibromoethane	ND	48	12	50.0	
Dibromomethane	ND	48	37	50.0	
1,2-Dichlorobenzene	ND	48	11	50.0	
1,3-Dichlorobenzene	ND	48	8.5	50.0	
1,4-Dichlorobenzene	ND	48	11	50.0	
Dichlorodifluoromethane	ND	96	21	50.0	
1,1-Dichloroethane	ND	48	10	50.0	
1,2-Dichloroethane	ND	48	15	50.0	
1,1-Dichloroethene	ND	48	17	50.0	
c-1,2-Dichloroethene	ND	48	13	50.0	
t-1,2-Dichloroethene	ND	48	24	50.0	
1,2-Dichloropropane	ND	48	21	50.0	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

Date Received: 10/11/17
Work Order: 17-10-0812
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: 777 N. Front Street / HR1305D-01

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<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>MDL</u>	<u>DF</u>	<u>Qualifiers</u>
1,3-Dichloropropane	ND	48	12	50.0	
2,2-Dichloropropane	ND	240	16	50.0	
1,1-Dichloropropene	ND	96	16	50.0	
c-1,3-Dichloropropene	ND	48	12	50.0	
t-1,3-Dichloropropene	ND	96	29	50.0	
Ethylbenzene	ND	48	7.3	50.0	
2-Hexanone	ND	960	85	50.0	
Isopropylbenzene	ND	48	26	50.0	
p-Isopropyltoluene	ND	48	30	50.0	
Methylene Chloride	ND	480	64	50.0	
4-Methyl-2-Pentanone	ND	960	210	50.0	
Naphthalene	ND	480	39	50.0	
n-Propylbenzene	ND	96	24	50.0	
Styrene	ND	48	29	50.0	
1,1,1,2-Tetrachloroethane	ND	48	12	50.0	
1,1,2,2-Tetrachloroethane	ND	96	17	50.0	
Tetrachloroethene	ND	48	10	50.0	
Toluene	ND	48	25	50.0	
1,2,3-Trichlorobenzene	ND	96	44	50.0	
1,2,4-Trichlorobenzene	ND	96	15	50.0	
1,1,1-Trichloroethane	ND	48	11	50.0	
1,1,2-Trichloroethane	ND	48	17	50.0	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	480	17	50.0	
Trichloroethene	ND	96	14	50.0	
Trichlorofluoromethane	ND	480	18	50.0	
1,2,3-Trichloropropane	ND	96	40	50.0	
1,2,4-Trimethylbenzene	ND	96	28	50.0	
1,3,5-Trimethylbenzene	ND	96	26	50.0	
Vinyl Acetate	ND	480	230	50.0	
Vinyl Chloride	ND	48	24	50.0	
p/m-Xylene	ND	96	13	50.0	
o-Xylene	ND	48	27	50.0	
Methyl-t-Butyl Ether (MTBE)	ND	96	14	50.0	
<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>		
1,4-Bromofluorobenzene	99	80-120			
Dibromofluoromethane	97	79-133			
1,2-Dichloroethane-d4	101	71-155			
Toluene-d8	100	80-120			

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

Date Received: 10/11/17
Work Order: 17-10-0812
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: 777 N. Front Street / HR1305D-01

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
NP-3-46	17-10-0812-3-E	10/10/17 15:40	Solid	GC/MS BB	10/10/17	10/13/17 00:14	171012L063

Comment(s): - Results were evaluated to the MDL (DL), concentrations $\geq$ to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.
- The reporting limits are elevated due to high levels of non-target compounds.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	2600	330	50.0	
Benzene	ND	52	6.8	50.0	
Bromobenzene	ND	52	11	50.0	
Bromochloromethane	ND	100	36	50.0	
Bromodichloromethane	ND	52	12	50.0	
Bromoform	ND	260	41	50.0	
Bromomethane	ND	1000	490	50.0	
2-Butanone	ND	1000	200	50.0	
n-Butylbenzene	ND	52	8.2	50.0	
sec-Butylbenzene	ND	52	30	50.0	
tert-Butylbenzene	ND	52	7.9	50.0	
Carbon Disulfide	ND	520	16	50.0	
Carbon Tetrachloride	ND	52	15	50.0	
Chlorobenzene	ND	52	12	50.0	
Chloroethane	ND	100	78	50.0	
Chloroform	ND	52	12	50.0	
Chloromethane	ND	1000	16	50.0	
2-Chlorotoluene	ND	52	12	50.0	
4-Chlorotoluene	ND	52	11	50.0	
Dibromochloromethane	ND	100	30	50.0	
1,2-Dibromo-3-Chloropropane	ND	260	91	50.0	
1,2-Dibromoethane	ND	52	13	50.0	
Dibromomethane	ND	52	40	50.0	
1,2-Dichlorobenzene	ND	52	12	50.0	
1,3-Dichlorobenzene	ND	52	9.2	50.0	
1,4-Dichlorobenzene	ND	52	12	50.0	
Dichlorodifluoromethane	ND	100	23	50.0	
1,1-Dichloroethane	ND	52	11	50.0	
1,2-Dichloroethane	ND	52	16	50.0	
1,1-Dichloroethene	ND	52	18	50.0	
c-1,2-Dichloroethene	ND	52	15	50.0	
t-1,2-Dichloroethene	ND	52	26	50.0	
1,2-Dichloropropane	ND	52	23	50.0	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

Date Received: 10/11/17
Work Order: 17-10-0812
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: 777 N. Front Street / HR1305D-01

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<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>MDL</u>	<u>DF</u>	<u>Qualifiers</u>
1,3-Dichloropropane	ND	52	13	50.0	
2,2-Dichloropropane	ND	260	17	50.0	
1,1-Dichloropropene	ND	100	17	50.0	
c-1,3-Dichloropropene	ND	52	13	50.0	
t-1,3-Dichloropropene	ND	100	32	50.0	
Ethylbenzene	ND	52	7.9	50.0	
2-Hexanone	ND	1000	92	50.0	
Isopropylbenzene	ND	52	29	50.0	
p-Isopropyltoluene	ND	52	33	50.0	
Methylene Chloride	ND	520	70	50.0	
4-Methyl-2-Pentanone	ND	1000	230	50.0	
Naphthalene	ND	520	42	50.0	
n-Propylbenzene	ND	100	26	50.0	
Styrene	ND	52	32	50.0	
1,1,1,2-Tetrachloroethane	ND	52	13	50.0	
1,1,2,2-Tetrachloroethane	ND	100	18	50.0	
Tetrachloroethene	ND	52	11	50.0	
Toluene	ND	52	27	50.0	
1,2,3-Trichlorobenzene	ND	100	48	50.0	
1,2,4-Trichlorobenzene	ND	100	16	50.0	
1,1,1-Trichloroethane	ND	52	12	50.0	
1,1,2-Trichloroethane	ND	52	18	50.0	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	520	18	50.0	
Trichloroethene	ND	100	16	50.0	
Trichlorofluoromethane	ND	520	20	50.0	
1,2,3-Trichloropropane	ND	100	43	50.0	
1,2,4-Trimethylbenzene	ND	100	31	50.0	
1,3,5-Trimethylbenzene	ND	100	29	50.0	
Vinyl Acetate	ND	520	250	50.0	
Vinyl Chloride	ND	52	26	50.0	
p/m-Xylene	ND	100	14	50.0	
o-Xylene	ND	52	29	50.0	
Methyl-t-Butyl Ether (MTBE)	ND	100	15	50.0	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	100	80-120	
Dibromofluoromethane	99	79-133	
1,2-Dichloroethane-d4	102	71-155	
Toluene-d8	100	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

Date Received: 10/11/17
Work Order: 17-10-0812
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: 777 N. Front Street / HR1305D-01

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
NP-4-10	17-10-0812-4-E	10/11/17 09:05	Solid	GC/MS BB	10/11/17	10/13/17 00:43	171012L063

Comment(s): - Results were evaluated to the MDL (DL), concentrations $\geq$ to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.
- The reporting limits are elevated due to high levels of non-target compounds.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	2400	300	50.0	
Benzene	ND	49	6.3	50.0	
Bromobenzene	ND	49	10	50.0	
Bromochloromethane	ND	97	34	50.0	
Bromodichloromethane	ND	49	11	50.0	
Bromoform	ND	240	39	50.0	
Bromomethane	ND	970	460	50.0	
2-Butanone	ND	970	180	50.0	
n-Butylbenzene	ND	49	7.6	50.0	
sec-Butylbenzene	ND	49	28	50.0	
tert-Butylbenzene	ND	49	7.3	50.0	
Carbon Disulfide	ND	490	15	50.0	
Carbon Tetrachloride	ND	49	14	50.0	
Chlorobenzene	ND	49	11	50.0	
Chloroethane	ND	97	73	50.0	
Chloroform	ND	49	12	50.0	
Chloromethane	ND	970	15	50.0	
2-Chlorotoluene	ND	49	11	50.0	
4-Chlorotoluene	ND	49	10	50.0	
Dibromochloromethane	ND	97	28	50.0	
1,2-Dibromo-3-Chloropropane	ND	240	85	50.0	
1,2-Dibromoethane	ND	49	12	50.0	
Dibromomethane	ND	49	38	50.0	
1,2-Dichlorobenzene	ND	49	11	50.0	
1,3-Dichlorobenzene	ND	49	8.6	50.0	
1,4-Dichlorobenzene	ND	49	11	50.0	
Dichlorodifluoromethane	ND	97	22	50.0	
1,1-Dichloroethane	ND	49	10	50.0	
1,2-Dichloroethane	ND	49	15	50.0	
1,1-Dichloroethene	ND	49	17	50.0	
c-1,2-Dichloroethene	ND	49	14	50.0	
t-1,2-Dichloroethene	ND	49	25	50.0	
1,2-Dichloropropane	ND	49	21	50.0	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



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Analytical Report

Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

Date Received: 10/11/17
Work Order: 17-10-0812
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: 777 N. Front Street / HR1305D-01

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Parameter	Result	RL	MDL	DF	Qualifiers
1,3-Dichloropropane	ND	49	12	50.0	
2,2-Dichloropropane	ND	240	16	50.0	
1,1-Dichloropropene	ND	97	16	50.0	
c-1,3-Dichloropropene	ND	49	12	50.0	
t-1,3-Dichloropropene	ND	97	29	50.0	
Ethylbenzene	ND	49	7.4	50.0	
2-Hexanone	ND	970	86	50.0	
Isopropylbenzene	ND	49	27	50.0	
p-Isopropyltoluene	ND	49	31	50.0	
Methylene Chloride	ND	490	65	50.0	
4-Methyl-2-Pentanone	ND	970	210	50.0	
Naphthalene	ND	490	40	50.0	
n-Propylbenzene	ND	97	24	50.0	
Styrene	ND	49	29	50.0	
1,1,1,2-Tetrachloroethane	ND	49	12	50.0	
1,1,2,2-Tetrachloroethane	ND	97	17	50.0	
Tetrachloroethene	13	49	10	50.0	J
Toluene	ND	49	25	50.0	
1,2,3-Trichlorobenzene	ND	97	44	50.0	
1,2,4-Trichlorobenzene	ND	97	15	50.0	
1,1,1-Trichloroethane	ND	49	11	50.0	
1,1,2-Trichloroethane	ND	49	17	50.0	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	490	17	50.0	
Trichloroethene	ND	97	15	50.0	
Trichlorofluoromethane	ND	490	18	50.0	
1,2,3-Trichloropropane	ND	97	40	50.0	
1,2,4-Trimethylbenzene	ND	97	29	50.0	
1,3,5-Trimethylbenzene	ND	97	27	50.0	
Vinyl Acetate	ND	490	230	50.0	
Vinyl Chloride	ND	49	24	50.0	
p/m-Xylene	ND	97	13	50.0	
o-Xylene	ND	49	27	50.0	
Methyl-t-Butyl Ether (MTBE)	ND	97	14	50.0	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	101	80-120	
Dibromofluoromethane	97	79-133	
1,2-Dichloroethane-d4	101	71-155	
Toluene-d8	100	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

Date Received: 10/11/17
Work Order: 17-10-0812
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: 777 N. Front Street / HR1305D-01

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
NP-4-18	17-10-0812-5-E	10/11/17 09:35	Solid	GC/MS BB	10/11/17	10/13/17 01:11	171012L063

Comment(s): - Results were evaluated to the MDL (DL), concentrations $\geq$ to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.
- The reporting limits are elevated due to high levels of non-target compounds.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	2600	320	50.0	
Benzene	ND	52	6.7	50.0	
Bromobenzene	ND	52	11	50.0	
Bromochloromethane	ND	100	36	50.0	
Bromodichloromethane	ND	52	12	50.0	
Bromoform	ND	260	41	50.0	
Bromomethane	ND	1000	490	50.0	
2-Butanone	ND	1000	190	50.0	
n-Butylbenzene	ND	52	8.1	50.0	
sec-Butylbenzene	ND	52	30	50.0	
tert-Butylbenzene	ND	52	7.8	50.0	
Carbon Disulfide	ND	520	16	50.0	
Carbon Tetrachloride	ND	52	15	50.0	
Chlorobenzene	ND	52	12	50.0	
Chloroethane	ND	100	77	50.0	
Chloroform	ND	52	12	50.0	
Chloromethane	ND	1000	16	50.0	
2-Chlorotoluene	ND	52	12	50.0	
4-Chlorotoluene	ND	52	11	50.0	
Dibromochloromethane	ND	100	29	50.0	
1,2-Dibromo-3-Chloropropane	ND	260	90	50.0	
1,2-Dibromoethane	ND	52	13	50.0	
Dibromomethane	ND	52	40	50.0	
1,2-Dichlorobenzene	ND	52	12	50.0	
1,3-Dichlorobenzene	ND	52	9.1	50.0	
1,4-Dichlorobenzene	ND	52	11	50.0	
Dichlorodifluoromethane	ND	100	23	50.0	
1,1-Dichloroethane	ND	52	11	50.0	
1,2-Dichloroethane	ND	52	16	50.0	
1,1-Dichloroethene	ND	52	18	50.0	
c-1,2-Dichloroethene	ND	52	14	50.0	
t-1,2-Dichloroethene	ND	52	26	50.0	
1,2-Dichloropropane	ND	52	23	50.0	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

Date Received: 10/11/17
Work Order: 17-10-0812
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: 777 N. Front Street / HR1305D-01

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<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>MDL</u>	<u>DF</u>	<u>Qualifiers</u>
1,3-Dichloropropane	ND	52	13	50.0	
2,2-Dichloropropane	ND	260	17	50.0	
1,1-Dichloropropene	ND	100	17	50.0	
c-1,3-Dichloropropene	ND	52	13	50.0	
t-1,3-Dichloropropene	ND	100	31	50.0	
Ethylbenzene	ND	52	7.8	50.0	
2-Hexanone	ND	1000	91	50.0	
Isopropylbenzene	ND	52	28	50.0	
p-Isopropyltoluene	ND	52	33	50.0	
Methylene Chloride	ND	520	69	50.0	
4-Methyl-2-Pentanone	ND	1000	220	50.0	
Naphthalene	ND	520	42	50.0	
n-Propylbenzene	ND	100	26	50.0	
Styrene	ND	52	31	50.0	
1,1,1,2-Tetrachloroethane	ND	52	12	50.0	
1,1,2,2-Tetrachloroethane	ND	100	18	50.0	
Tetrachloroethene	ND	52	11	50.0	
Toluene	ND	52	27	50.0	
1,2,3-Trichlorobenzene	ND	100	47	50.0	
1,2,4-Trichlorobenzene	ND	100	16	50.0	
1,1,1-Trichloroethane	ND	52	12	50.0	
1,1,2-Trichloroethane	ND	52	18	50.0	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	520	18	50.0	
Trichloroethene	ND	100	16	50.0	
Trichlorofluoromethane	ND	520	19	50.0	
1,2,3-Trichloropropane	ND	100	43	50.0	
1,2,4-Trimethylbenzene	ND	100	30	50.0	
1,3,5-Trimethylbenzene	ND	100	28	50.0	
Vinyl Acetate	ND	520	250	50.0	
Vinyl Chloride	ND	52	26	50.0	
p/m-Xylene	ND	100	14	50.0	
o-Xylene	ND	52	29	50.0	
Methyl-t-Butyl Ether (MTBE)	ND	100	15	50.0	
<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>		
1,4-Bromofluorobenzene	100	80-120			
Dibromofluoromethane	98	79-133			
1,2-Dichloroethane-d4	102	71-155			
Toluene-d8	100	80-120			

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

Date Received: 10/11/17
Work Order: 17-10-0812
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: 777 N. Front Street / HR1305D-01

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
NP-4-40	17-10-0812-6-E	10/11/17 09:50	Solid	GC/MS BB	10/11/17	10/13/17 01:40	171012L063

Comment(s): - Results were evaluated to the MDL (DL), concentrations $\geq$ to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.
- The reporting limits are elevated due to high levels of non-target compounds.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	2500	310	50.0	
Benzene	ND	50	6.5	50.0	
Bromobenzene	ND	50	10	50.0	
Bromochloromethane	ND	99	34	50.0	
Bromodichloromethane	ND	50	12	50.0	
Bromoform	ND	250	39	50.0	
Bromomethane	ND	990	470	50.0	
2-Butanone	ND	990	190	50.0	
n-Butylbenzene	ND	50	7.8	50.0	
sec-Butylbenzene	ND	50	29	50.0	
tert-Butylbenzene	ND	50	7.5	50.0	
Carbon Disulfide	ND	500	15	50.0	
Carbon Tetrachloride	ND	50	14	50.0	
Chlorobenzene	ND	50	11	50.0	
Chloroethane	ND	99	74	50.0	
Chloroform	ND	50	12	50.0	
Chloromethane	ND	990	15	50.0	
2-Chlorotoluene	ND	50	11	50.0	
4-Chlorotoluene	ND	50	11	50.0	
Dibromochloromethane	ND	99	28	50.0	
1,2-Dibromo-3-Chloropropane	ND	250	86	50.0	
1,2-Dibromoethane	ND	50	13	50.0	
Dibromomethane	ND	50	39	50.0	
1,2-Dichlorobenzene	ND	50	11	50.0	
1,3-Dichlorobenzene	ND	50	8.8	50.0	
1,4-Dichlorobenzene	ND	50	11	50.0	
Dichlorodifluoromethane	ND	99	22	50.0	
1,1-Dichloroethane	ND	50	11	50.0	
1,2-Dichloroethane	ND	50	16	50.0	
1,1-Dichloroethene	ND	50	17	50.0	
c-1,2-Dichloroethene	ND	50	14	50.0	
t-1,2-Dichloroethene	ND	50	25	50.0	
1,2-Dichloropropane	ND	50	22	50.0	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

Date Received: 10/11/17
Work Order: 17-10-0812
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: 777 N. Front Street / HR1305D-01

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Parameter	Result	RL	MDL	DF	Qualifiers
1,3-Dichloropropane	ND	50	13	50.0	
2,2-Dichloropropane	ND	250	16	50.0	
1,1-Dichloropropene	ND	99	16	50.0	
c-1,3-Dichloropropene	ND	50	13	50.0	
t-1,3-Dichloropropene	ND	99	30	50.0	
Ethylbenzene	ND	50	7.5	50.0	
2-Hexanone	ND	990	88	50.0	
Isopropylbenzene	ND	50	27	50.0	
p-Isopropyltoluene	ND	50	31	50.0	
Methylene Chloride	ND	500	67	50.0	
4-Methyl-2-Pentanone	ND	990	210	50.0	
Naphthalene	ND	500	40	50.0	
n-Propylbenzene	ND	99	25	50.0	
Styrene	ND	50	30	50.0	
1,1,1,2-Tetrachloroethane	ND	50	12	50.0	
1,1,2,2-Tetrachloroethane	ND	99	17	50.0	
Tetrachloroethene	28	50	10	50.0	J
Toluene	ND	50	26	50.0	
1,2,3-Trichlorobenzene	ND	99	45	50.0	
1,2,4-Trichlorobenzene	ND	99	15	50.0	
1,1,1-Trichloroethane	ND	50	11	50.0	
1,1,2-Trichloroethane	ND	50	18	50.0	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	500	17	50.0	
Trichloroethene	ND	99	15	50.0	
Trichlorofluoromethane	ND	500	19	50.0	
1,2,3-Trichloropropane	ND	99	41	50.0	
1,2,4-Trimethylbenzene	ND	99	29	50.0	
1,3,5-Trimethylbenzene	ND	99	27	50.0	
Vinyl Acetate	ND	500	240	50.0	
Vinyl Chloride	ND	50	25	50.0	
p/m-Xylene	ND	99	13	50.0	
o-Xylene	ND	50	28	50.0	
Methyl-t-Butyl Ether (MTBE)	ND	99	15	50.0	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	98	80-120	
Dibromofluoromethane	98	79-133	
1,2-Dichloroethane-d4	101	71-155	
Toluene-d8	100	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

Date Received: 10/11/17
Work Order: 17-10-0812
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: 777 N. Front Street / HR1305D-01

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
NP-4-58	17-10-0812-7-E	10/11/17 10:45	Solid	GC/MS BB	10/11/17	10/13/17 02:09	171012L063

Comment(s): - Results were evaluated to the MDL (DL), concentrations $\geq$ to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.
- The reporting limits are elevated due to high levels of non-target compounds.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	2900	370	50.0	
Benzene	ND	59	7.6	50.0	
Bromobenzene	ND	59	12	50.0	
Bromochloromethane	ND	120	40	50.0	
Bromodichloromethane	ND	59	14	50.0	
Bromoform	ND	290	47	50.0	
Bromomethane	ND	1200	550	50.0	
2-Butanone	ND	1200	220	50.0	
n-Butylbenzene	ND	59	9.2	50.0	
sec-Butylbenzene	ND	59	34	50.0	
tert-Butylbenzene	ND	59	8.8	50.0	
Carbon Disulfide	ND	590	18	50.0	
Carbon Tetrachloride	ND	59	17	50.0	
Chlorobenzene	ND	59	13	50.0	
Chloroethane	ND	120	87	50.0	
Chloroform	ND	59	14	50.0	
Chloromethane	ND	1200	18	50.0	
2-Chlorotoluene	ND	59	14	50.0	
4-Chlorotoluene	ND	59	12	50.0	
Dibromochloromethane	ND	120	33	50.0	
1,2-Dibromo-3-Chloropropane	ND	290	100	50.0	
1,2-Dibromoethane	ND	59	15	50.0	
Dibromomethane	ND	59	45	50.0	
1,2-Dichlorobenzene	ND	59	13	50.0	
1,3-Dichlorobenzene	ND	59	10	50.0	
1,4-Dichlorobenzene	ND	59	13	50.0	
Dichlorodifluoromethane	ND	120	26	50.0	
1,1-Dichloroethane	ND	59	12	50.0	
1,2-Dichloroethane	ND	59	18	50.0	
1,1-Dichloroethene	ND	59	20	50.0	
c-1,2-Dichloroethene	ND	59	16	50.0	
t-1,2-Dichloroethene	ND	59	30	50.0	
1,2-Dichloropropane	ND	59	26	50.0	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

Geosyntec Consultants	Date Received:	10/11/17
2100 Main Street, Suite 150	Work Order:	17-10-0812
Huntington Beach, CA 92648-2460	Preparation:	EPA 5035
	Method:	EPA 8260B
	Units:	ug/kg
Project: 777 N. Front Street / HR1305D-01		Page 14 of 20

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>MDL</u>	<u>DF</u>	<u>Qualifiers</u>
1,3-Dichloropropane	ND	59	15	50.0	
2,2-Dichloropropane	ND	290	19	50.0	
1,1-Dichloropropene	ND	120	19	50.0	
c-1,3-Dichloropropene	ND	59	15	50.0	
t-1,3-Dichloropropene	ND	120	35	50.0	
Ethylbenzene	ND	59	8.9	50.0	
2-Hexanone	ND	1200	100	50.0	
Isopropylbenzene	ND	59	32	50.0	
p-Isopropyltoluene	ND	59	37	50.0	
Methylene Chloride	ND	590	78	50.0	
4-Methyl-2-Pentanone	ND	1200	250	50.0	
Naphthalene	ND	590	48	50.0	
n-Propylbenzene	ND	120	29	50.0	
Styrene	ND	59	35	50.0	
1,1,1,2-Tetrachloroethane	ND	59	14	50.0	
1,1,2,2-Tetrachloroethane	ND	120	20	50.0	
Tetrachloroethene	ND	59	12	50.0	
Toluene	ND	59	30	50.0	
1,2,3-Trichlorobenzene	ND	120	53	50.0	
1,2,4-Trichlorobenzene	ND	120	18	50.0	
1,1,1-Trichloroethane	ND	59	13	50.0	
1,1,2-Trichloroethane	ND	59	21	50.0	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	590	21	50.0	
Trichloroethene	ND	120	18	50.0	
Trichlorofluoromethane	ND	590	22	50.0	
1,2,3-Trichloropropane	ND	120	49	50.0	
1,2,4-Trimethylbenzene	ND	120	34	50.0	
1,3,5-Trimethylbenzene	ND	120	32	50.0	
Vinyl Acetate	ND	590	280	50.0	
Vinyl Chloride	ND	59	29	50.0	
p/m-Xylene	ND	120	16	50.0	
o-Xylene	ND	59	33	50.0	
Methyl-t-Butyl Ether (MTBE)	ND	120	17	50.0	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	101	80-120	
Dibromofluoromethane	100	79-133	
1,2-Dichloroethane-d4	103	71-155	
Toluene-d8	102	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

Date Received: 10/11/17
Work Order: 17-10-0812
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: 777 N. Front Street / HR1305D-01

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
NP-4-80	17-10-0812-8-E	10/11/17 11:10	Solid	GC/MS BB	10/11/17	10/13/17 18:54	171013L021

Comment(s): - Results were evaluated to the MDL (DL), concentrations $\geq$ to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.
- The reporting limits are elevated due to high levels of non-target compounds.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	2400	290	50.0	
Benzene	ND	47	6.1	50.0	
Bromobenzene	ND	47	9.9	50.0	
Bromochloromethane	ND	94	33	50.0	
Bromodichloromethane	ND	47	11	50.0	
Bromoform	ND	240	37	50.0	
Bromomethane	ND	940	440	50.0	
2-Butanone	ND	940	180	50.0	
n-Butylbenzene	ND	47	7.4	50.0	
sec-Butylbenzene	ND	47	27	50.0	
tert-Butylbenzene	ND	47	7.1	50.0	
Carbon Disulfide	ND	470	14	50.0	
Carbon Tetrachloride	ND	47	13	50.0	
Chlorobenzene	ND	47	11	50.0	
Chloroethane	ND	94	70	50.0	
Chloroform	ND	47	11	50.0	
Chloromethane	ND	940	14	50.0	
2-Chlorotoluene	ND	47	11	50.0	
4-Chlorotoluene	ND	47	10	50.0	
Dibromochloromethane	ND	94	27	50.0	
1,2-Dibromo-3-Chloropropane	ND	240	82	50.0	
1,2-Dibromoethane	ND	47	12	50.0	
Dibromomethane	ND	47	37	50.0	
1,2-Dichlorobenzene	ND	47	11	50.0	
1,3-Dichlorobenzene	ND	47	8.3	50.0	
1,4-Dichlorobenzene	ND	47	10	50.0	
Dichlorodifluoromethane	ND	94	21	50.0	
1,1-Dichloroethane	ND	47	10	50.0	
1,2-Dichloroethane	ND	47	15	50.0	
1,1-Dichloroethene	ND	47	16	50.0	
c-1,2-Dichloroethene	ND	47	13	50.0	
t-1,2-Dichloroethene	ND	47	24	50.0	
1,2-Dichloropropane	ND	47	21	50.0	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

Date Received: 10/11/17
Work Order: 17-10-0812
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: 777 N. Front Street / HR1305D-01

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Parameter	Result	RL	MDL	DF	Qualifiers
1,3-Dichloropropane	ND	47	12	50.0	
2,2-Dichloropropane	ND	240	16	50.0	
1,1-Dichloropropene	ND	94	15	50.0	
c-1,3-Dichloropropene	ND	47	12	50.0	
t-1,3-Dichloropropene	ND	94	29	50.0	
Ethylbenzene	ND	47	7.1	50.0	
2-Hexanone	ND	940	83	50.0	
Isopropylbenzene	ND	47	26	50.0	
p-Isopropyltoluene	ND	47	30	50.0	
Methylene Chloride	ND	470	63	50.0	
4-Methyl-2-Pentanone	ND	940	200	50.0	
Naphthalene	ND	470	38	50.0	
n-Propylbenzene	ND	94	24	50.0	
Styrene	ND	47	29	50.0	
1,1,1,2-Tetrachloroethane	ND	47	11	50.0	
1,1,2,2-Tetrachloroethane	ND	94	16	50.0	
Tetrachloroethene	20	47	9.9	50.0	J
Toluene	ND	47	24	50.0	
1,2,3-Trichlorobenzene	ND	94	43	50.0	
1,2,4-Trichlorobenzene	ND	94	15	50.0	
1,1,1-Trichloroethane	ND	47	11	50.0	
1,1,2-Trichloroethane	ND	47	17	50.0	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	470	17	50.0	
Trichloroethene	ND	94	14	50.0	
Trichlorofluoromethane	ND	470	18	50.0	
1,2,3-Trichloropropane	ND	94	39	50.0	
1,2,4-Trimethylbenzene	ND	94	28	50.0	
1,3,5-Trimethylbenzene	ND	94	26	50.0	
Vinyl Acetate	ND	470	220	50.0	
Vinyl Chloride	ND	47	24	50.0	
p/m-Xylene	ND	94	13	50.0	
o-Xylene	ND	47	26	50.0	
Methyl-t-Butyl Ether (MTBE)	ND	94	14	50.0	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	98	80-120	
Dibromofluoromethane	98	79-133	
1,2-Dichloroethane-d4	102	71-155	
Toluene-d8	99	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

Date Received: 10/11/17
Work Order: 17-10-0812
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: 777 N. Front Street / HR1305D-01

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-14-312-861	N/A	Solid	GC/MS BB	10/12/17	10/12/17 17:19	171012L063

Comment(s): - Results were evaluated to the MDL (DL), concentrations $\geq$ to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	5000	620	50.0	
Benzene	ND	100	13	50.0	
Bromobenzene	ND	100	21	50.0	
Bromochloromethane	ND	200	69	50.0	
Bromodichloromethane	ND	100	23	50.0	
Bromoform	ND	500	79	50.0	
Bromomethane	ND	2000	940	50.0	
2-Butanone	ND	2000	380	50.0	
n-Butylbenzene	ND	100	16	50.0	
sec-Butylbenzene	ND	100	58	50.0	
tert-Butylbenzene	ND	100	15	50.0	
Carbon Disulfide	ND	1000	31	50.0	
Carbon Tetrachloride	ND	100	28	50.0	
Chlorobenzene	ND	100	22	50.0	
Chloroethane	ND	200	150	50.0	
Chloroform	ND	100	24	50.0	
Chloromethane	31	2000	30	50.0	J
2-Chlorotoluene	ND	100	23	50.0	
4-Chlorotoluene	ND	100	21	50.0	
Dibromochloromethane	ND	200	57	50.0	
1,2-Dibromo-3-Chloropropane	ND	500	170	50.0	
1,2-Dibromoethane	ND	100	26	50.0	
Dibromomethane	ND	100	77	50.0	
1,2-Dichlorobenzene	ND	100	23	50.0	
1,3-Dichlorobenzene	ND	100	18	50.0	
1,4-Dichlorobenzene	ND	100	22	50.0	
Dichlorodifluoromethane	ND	200	44	50.0	
1,1-Dichloroethane	ND	100	21	50.0	
1,2-Dichloroethane	ND	100	31	50.0	
1,1-Dichloroethene	ND	100	35	50.0	
c-1,2-Dichloroethene	ND	100	28	50.0	
t-1,2-Dichloroethene	ND	100	51	50.0	
1,2-Dichloropropane	ND	100	44	50.0	
1,3-Dichloropropane	ND	100	25	50.0	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

Date Received: 10/11/17
Work Order: 17-10-0812
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: 777 N. Front Street / HR1305D-01

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<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>MDL</u>	<u>DF</u>	<u>Qualifiers</u>
2,2-Dichloropropane	ND	500	33	50.0	
1,1-Dichloropropene	ND	200	33	50.0	
c-1,3-Dichloropropene	ND	100	25	50.0	
t-1,3-Dichloropropene	ND	200	61	50.0	
Ethylbenzene	ND	100	15	50.0	
2-Hexanone	ND	2000	180	50.0	
Isopropylbenzene	ND	100	55	50.0	
p-Isopropyltoluene	ND	100	63	50.0	
Methylene Chloride	ND	1000	130	50.0	
4-Methyl-2-Pentanone	ND	2000	430	50.0	
Naphthalene	ND	1000	81	50.0	
n-Propylbenzene	ND	200	50	50.0	
Styrene	ND	100	60	50.0	
1,1,1,2-Tetrachloroethane	ND	100	24	50.0	
1,1,2,2-Tetrachloroethane	ND	200	35	50.0	
Tetrachloroethene	ND	100	21	50.0	
Toluene	ND	100	52	50.0	
1,2,3-Trichlorobenzene	ND	200	91	50.0	
1,2,4-Trichlorobenzene	ND	200	31	50.0	
1,1,1-Trichloroethane	ND	100	23	50.0	
1,1,2-Trichloroethane	ND	100	35	50.0	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	1000	35	50.0	
Trichloroethene	ND	200	30	50.0	
Trichlorofluoromethane	ND	1000	38	50.0	
1,2,3-Trichloropropane	ND	200	83	50.0	
1,2,4-Trimethylbenzene	ND	200	59	50.0	
1,3,5-Trimethylbenzene	ND	200	55	50.0	
Vinyl Acetate	ND	1000	470	50.0	
Vinyl Chloride	ND	100	50	50.0	
p/m-Xylene	ND	200	27	50.0	
o-Xylene	ND	100	56	50.0	
Methyl-t-Butyl Ether (MTBE)	ND	200	30	50.0	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	99	80-120	
Dibromofluoromethane	92	79-133	
1,2-Dichloroethane-d4	95	71-155	
Toluene-d8	101	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

Date Received: 10/11/17
Work Order: 17-10-0812
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: 777 N. Front Street / HR1305D-01

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-14-312-859	N/A	Solid	GC/MS BB	10/13/17	10/13/17 17:41	171013L021

Comment(s): - Results were evaluated to the MDL (DL), concentrations $\geq$ to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	5000	620	50.0	
Benzene	ND	100	13	50.0	
Bromobenzene	ND	100	21	50.0	
Bromochloromethane	ND	200	69	50.0	
Bromodichloromethane	ND	100	23	50.0	
Bromoform	ND	500	79	50.0	
Bromomethane	ND	2000	940	50.0	
2-Butanone	ND	2000	380	50.0	
n-Butylbenzene	ND	100	16	50.0	
sec-Butylbenzene	ND	100	58	50.0	
tert-Butylbenzene	ND	100	15	50.0	
Carbon Disulfide	ND	1000	31	50.0	
Carbon Tetrachloride	ND	100	28	50.0	
Chlorobenzene	ND	100	22	50.0	
Chloroethane	ND	200	150	50.0	
Chloroform	ND	100	24	50.0	
Chloromethane	34	2000	30	50.0	J
2-Chlorotoluene	ND	100	23	50.0	
4-Chlorotoluene	ND	100	21	50.0	
Dibromochloromethane	ND	200	57	50.0	
1,2-Dibromo-3-Chloropropane	ND	500	170	50.0	
1,2-Dibromoethane	ND	100	26	50.0	
Dibromomethane	ND	100	77	50.0	
1,2-Dichlorobenzene	ND	100	23	50.0	
1,3-Dichlorobenzene	ND	100	18	50.0	
1,4-Dichlorobenzene	ND	100	22	50.0	
Dichlorodifluoromethane	ND	200	44	50.0	
1,1-Dichloroethane	ND	100	21	50.0	
1,2-Dichloroethane	ND	100	31	50.0	
1,1-Dichloroethene	ND	100	35	50.0	
c-1,2-Dichloroethene	ND	100	28	50.0	
t-1,2-Dichloroethene	ND	100	51	50.0	
1,2-Dichloropropane	ND	100	44	50.0	
1,3-Dichloropropane	ND	100	25	50.0	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

Date Received: 10/11/17
Work Order: 17-10-0812
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: 777 N. Front Street / HR1305D-01

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<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>MDL</u>	<u>DF</u>	<u>Qualifiers</u>
2,2-Dichloropropane	ND	500	33	50.0	
1,1-Dichloropropene	ND	200	33	50.0	
c-1,3-Dichloropropene	ND	100	25	50.0	
t-1,3-Dichloropropene	ND	200	61	50.0	
Ethylbenzene	ND	100	15	50.0	
2-Hexanone	ND	2000	180	50.0	
Isopropylbenzene	ND	100	55	50.0	
p-Isopropyltoluene	ND	100	63	50.0	
Methylene Chloride	ND	1000	130	50.0	
4-Methyl-2-Pentanone	ND	2000	430	50.0	
Naphthalene	ND	1000	81	50.0	
n-Propylbenzene	ND	200	50	50.0	
Styrene	ND	100	60	50.0	
1,1,1,2-Tetrachloroethane	ND	100	24	50.0	
1,1,2,2-Tetrachloroethane	ND	200	35	50.0	
Tetrachloroethene	ND	100	21	50.0	
Toluene	ND	100	52	50.0	
1,2,3-Trichlorobenzene	ND	200	91	50.0	
1,2,4-Trichlorobenzene	ND	200	31	50.0	
1,1,1-Trichloroethane	ND	100	23	50.0	
1,1,2-Trichloroethane	ND	100	35	50.0	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	1000	35	50.0	
Trichloroethene	ND	200	30	50.0	
Trichlorofluoromethane	ND	1000	38	50.0	
1,2,3-Trichloropropane	ND	200	83	50.0	
1,2,4-Trimethylbenzene	ND	200	59	50.0	
1,3,5-Trimethylbenzene	ND	200	55	50.0	
Vinyl Acetate	ND	1000	470	50.0	
Vinyl Chloride	ND	100	50	50.0	
p/m-Xylene	ND	200	27	50.0	
o-Xylene	ND	100	56	50.0	
Methyl-t-Butyl Ether (MTBE)	ND	200	30	50.0	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	101	80-120	
Dibromofluoromethane	99	79-133	
1,2-Dichloroethane-d4	102	71-155	
Toluene-d8	99	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Quality Control - Spike/Spike Duplicate

Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

Date Received: 10/11/17
Work Order: 17-10-0812
Preparation: EPA 5030C
Method: EPA 8260B

Project: 777 N. Front Street / HR1305D-01

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Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number				
17-10-0797-5	Sample	Aqueous	GC/MS XX	10/17/17	10/17/17 14:36	171017S014				
17-10-0797-5	Matrix Spike	Aqueous	GC/MS XX	10/17/17	10/17/17 15:07	171017S014				
17-10-0797-5	Matrix Spike Duplicate	Aqueous	GC/MS XX	10/17/17	10/17/17 15:38	171017S014				
Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Acetone	ND	50.00	59.08	118	61.18	122	34-166	3	0-33	
Benzene	ND	50.00	55.27	111	56.24	112	75-125	2	0-20	
Bromobenzene	ND	50.00	53.71	107	54.93	110	75-125	2	0-20	
Bromochloromethane	ND	50.00	54.32	109	54.77	110	75-125	1	0-20	
Bromodichloromethane	ND	50.00	55.77	112	57.24	114	75-134	3	0-20	
Bromoform	ND	50.00	45.47	91	47.43	95	74-134	4	0-20	
Bromomethane	ND	50.00	53.35	107	51.14	102	20-168	4	0-40	
2-Butanone	ND	50.00	51.56	103	52.51	105	37-157	2	0-20	
n-Butylbenzene	ND	50.00	55.83	112	58.08	116	73-145	4	0-20	
sec-Butylbenzene	ND	50.00	54.31	109	56.20	112	75-135	3	0-20	
tert-Butylbenzene	ND	50.00	55.40	111	57.58	115	75-136	4	0-20	
Carbon Disulfide	ND	50.00	59.19	118	60.83	122	50-152	3	0-27	
Carbon Tetrachloride	ND	50.00	58.68	117	59.55	119	70-154	1	0-20	
Chlorobenzene	ND	50.00	53.16	106	54.35	109	75-125	2	0-20	
Chloroethane	ND	50.00	55.27	111	55.74	111	41-167	1	0-26	
Chloroform	1.023	50.00	54.04	106	54.83	108	75-127	1	0-20	
Chloromethane	ND	50.00	51.84	104	50.95	102	41-149	2	0-20	
2-Chlorotoluene	ND	50.00	54.14	108	55.29	111	75-128	2	0-20	
4-Chlorotoluene	ND	50.00	51.81	104	53.89	108	75-125	4	0-20	
Dibromochloromethane	ND	50.00	56.77	114	57.68	115	75-131	2	0-20	
1,2-Dibromo-3-Chloropropane	ND	50.00	54.72	109	55.79	112	64-142	2	0-20	
1,2-Dibromoethane	ND	50.00	54.48	109	55.16	110	75-129	1	0-20	
Dibromomethane	ND	50.00	52.08	104	52.95	106	75-125	2	0-20	
1,2-Dichlorobenzene	ND	50.00	52.55	105	54.62	109	75-125	4	0-20	
1,3-Dichlorobenzene	ND	50.00	51.27	103	53.29	107	75-125	4	0-20	
1,4-Dichlorobenzene	ND	50.00	50.61	101	52.74	105	75-125	4	0-20	
Dichlorodifluoromethane	ND	50.00	50.50	101	50.12	100	25-157	1	0-26	
1,1-Dichloroethane	ND	50.00	54.70	109	55.68	111	73-139	2	0-20	
1,2-Dichloroethane	ND	50.00	54.65	109	55.15	110	75-125	1	0-20	
1,1-Dichloroethene	ND	50.00	54.69	109	55.19	110	61-145	1	0-20	
c-1,2-Dichloroethene	7.913	50.00	62.76	110	63.23	111	75-125	1	0-20	
t-1,2-Dichloroethene	ND	50.00	57.19	114	58.51	117	64-142	2	0-20	
1,2-Dichloropropane	ND	50.00	54.50	109	54.99	110	75-127	1	0-20	
1,3-Dichloropropane	ND	50.00	52.52	105	52.90	106	75-125	1	0-20	
2,2-Dichloropropane	ND	50.00	62.61	125	61.72	123	24-180	1	0-20	

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - Spike/Spike Duplicate

Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

Date Received: 10/11/17
Work Order: 17-10-0812
Preparation: EPA 5030C
Method: EPA 8260B

Project: 777 N. Front Street / HR1305D-01

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Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
1,1-Dichloropropene	ND	50.00	56.35	113	56.01	112	75-135	1	0-20	
c-1,3-Dichloropropene	ND	50.00	53.07	106	54.67	109	75-137	3	0-20	
t-1,3-Dichloropropene	ND	50.00	53.76	108	55.10	110	74-146	2	0-20	
Ethylbenzene	ND	50.00	55.07	110	56.20	112	75-129	2	0-20	
2-Hexanone	ND	50.00	52.29	105	52.75	106	47-161	1	0-20	
Isopropylbenzene	ND	50.00	55.97	112	57.34	115	75-135	2	0-20	
p-Isopropyltoluene	ND	50.00	54.75	109	56.56	113	75-136	3	0-20	
Methylene Chloride	ND	50.00	53.46	107	53.87	108	63-141	1	0-20	
4-Methyl-2-Pentanone	ND	50.00	51.78	104	52.70	105	66-138	2	0-20	
Naphthalene	ND	50.00	52.61	105	53.75	107	59-143	2	0-20	
n-Propylbenzene	ND	50.00	55.96	112	57.20	114	75-133	2	0-20	
Styrene	ND	50.00	50.44	101	49.51	99	70-142	2	0-28	
1,1,1,2-Tetrachloroethane	ND	50.00	58.03	116	59.43	119	75-139	2	0-20	
1,1,2,2-Tetrachloroethane	ND	50.00	50.86	102	52.33	105	61-145	3	0-20	
Tetrachloroethene	147.5	50.00	180.0	65	183.0	71	47-143	2	0-20	
Toluene	ND	50.00	54.81	110	55.78	112	75-125	2	0-20	
1,2,3-Trichlorobenzene	3.647	50.00	55.52	104	57.14	107	73-133	3	0-20	
1,2,4-Trichlorobenzene	1.771	50.00	55.53	108	57.24	111	71-137	3	0-20	
1,1,1-Trichloroethane	ND	50.00	54.95	110	55.95	112	75-136	2	0-20	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50.00	58.32	117	57.69	115	42-168	1	0-22	
1,1,2-Trichloroethane	ND	50.00	51.86	104	52.28	105	75-125	1	0-20	
Trichloroethene	179.3	50.00	223.7	89	228.1	97	67-139	2	0-20	
Trichlorofluoromethane	ND	50.00	51.82	104	52.47	105	59-155	1	0-20	
1,2,3-Trichloropropane	ND	50.00	52.66	105	54.28	109	75-127	3	0-20	
1,2,4-Trimethylbenzene	ND	50.00	49.58	99	50.78	102	75-133	2	0-20	
1,3,5-Trimethylbenzene	ND	50.00	54.25	109	54.81	110	75-135	1	0-20	
Vinyl Acetate	ND	50.00	43.37	87	44.33	89	54-180	2	0-25	
Vinyl Chloride	ND	50.00	53.51	107	53.81	108	51-153	1	0-20	
p/m-Xylene	ND	100.0	112.9	113	114.7	115	75-133	2	0-20	
o-Xylene	ND	50.00	56.25	112	57.24	114	75-134	2	0-20	
Methyl-t-Butyl Ether (MTBE)	ND	50.00	52.14	104	52.80	106	64-136	1	0-20	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



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Quality Control - LCS

Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

Date Received: 10/11/17
Work Order: 17-10-0812
Preparation: EPA 5030C
Method: EPA 8260B

Project: 777 N. Front Street / HR1305D-01

Page 1 of 6

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-14-316-3685	LCS	Aqueous	GC/MS XX	10/17/17	10/17/17 12:08	171017L037
Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Acetone	50.00	42.16	84	50-150	33-167	
Benzene	50.00	47.31	95	78-120	71-127	
Bromobenzene	50.00	46.58	93	80-120	73-127	
Bromochloromethane	50.00	49.46	99	77-125	69-133	
Bromodichloromethane	50.00	48.85	98	80-125	72-132	
Bromoform	50.00	50.22	100	68-128	58-138	
Bromomethane	50.00	47.31	95	50-150	33-167	
2-Butanone	50.00	42.58	85	53-137	39-151	
n-Butylbenzene	50.00	52.38	105	78-132	69-141	
sec-Butylbenzene	50.00	49.78	100	80-125	72-132	
tert-Butylbenzene	50.00	49.78	100	80-125	72-132	
Carbon Disulfide	50.00	51.99	104	50-150	33-167	
Carbon Tetrachloride	50.00	51.72	103	67-139	55-151	
Chlorobenzene	50.00	46.54	93	80-120	73-127	
Chloroethane	50.00	38.14	76	64-130	53-141	
Chloroform	50.00	45.71	91	77-120	70-127	
Chloromethane	50.00	44.58	89	56-128	44-140	
2-Chlorotoluene	50.00	47.14	94	80-121	73-128	
4-Chlorotoluene	50.00	48.11	96	80-120	73-127	
Dibromochloromethane	50.00	50.70	101	77-125	69-133	
1,2-Dibromo-3-Chloropropane	50.00	45.53	91	68-128	58-138	
1,2-Dibromoethane	50.00	47.37	95	80-120	73-127	
Dibromomethane	50.00	45.94	92	80-120	73-127	
1,2-Dichlorobenzene	50.00	48.01	96	80-120	73-127	
1,3-Dichlorobenzene	50.00	47.94	96	80-120	73-127	
1,4-Dichlorobenzene	50.00	46.66	93	80-120	73-127	
Dichlorodifluoromethane	50.00	45.66	91	50-150	33-167	
1,1-Dichloroethane	50.00	47.63	95	73-127	64-136	
1,2-Dichloroethane	50.00	48.06	96	75-123	67-131	
1,1-Dichloroethene	50.00	48.26	97	64-136	52-148	
c-1,2-Dichloroethene	50.00	47.85	96	78-120	71-127	
t-1,2-Dichloroethene	50.00	50.29	101	70-130	60-140	
1,2-Dichloropropane	50.00	47.72	95	80-120	73-127	
1,3-Dichloropropane	50.00	45.98	92	80-120	73-127	
2,2-Dichloropropane	50.00	52.98	106	53-155	36-172	
1,1-Dichloropropene	50.00	49.18	98	73-127	64-136	
c-1,3-Dichloropropene	50.00	52.21	104	80-129	72-137	
t-1,3-Dichloropropene	50.00	53.91	108	78-132	69-141	

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - LCS

Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

Date Received: 10/11/17
Work Order: 17-10-0812
Preparation: EPA 5030C
Method: EPA 8260B

Project: 777 N. Front Street / HR1305D-01

Page 2 of 6

<u>Parameter</u>	<u>Spike Added</u>	<u>Conc. Recovered</u>	<u>LCS %Rec.</u>	<u>%Rec. CL</u>	<u>ME CL</u>	<u>Qualifiers</u>
Ethylbenzene	50.00	48.50	97	80-120	73-127	
2-Hexanone	50.00	42.13	84	59-131	47-143	
Isopropylbenzene	50.00	49.03	98	80-126	72-134	
p-Isopropyltoluene	50.00	51.14	102	80-129	72-137	
Methylene Chloride	50.00	46.74	93	73-127	64-136	
4-Methyl-2-Pentanone	50.00	41.92	84	68-122	59-131	
Naphthalene	50.00	45.83	92	64-136	52-148	
n-Propylbenzene	50.00	49.47	99	80-125	72-132	
Styrene	50.00	49.36	99	80-122	73-129	
1,1,1,2-Tetrachloroethane	50.00	50.43	101	80-126	72-134	
1,1,2,2-Tetrachloroethane	50.00	44.60	89	76-120	69-127	
Tetrachloroethene	50.00	45.45	91	54-144	39-159	
Toluene	50.00	47.29	95	80-122	73-129	
1,2,3-Trichlorobenzene	50.00	47.07	94	76-130	67-139	
1,2,4-Trichlorobenzene	50.00	50.47	101	74-134	64-144	
1,1,1-Trichloroethane	50.00	47.67	95	73-127	64-136	
Hexachloro-1,3-Butadiene	50.00	51.15	102	75-135	65-145	
1,1,2-Trichloro-1,2,2-Trifluoroethane	50.00	55.78	112	53-155	36-172	
1,1,2-Trichloroethane	50.00	45.00	90	80-120	73-127	
Trichloroethene	50.00	48.00	96	77-125	69-133	
Trichlorofluoromethane	50.00	44.85	90	69-141	57-153	
1,2,3-Trichloropropane	50.00	47.69	95	77-125	69-133	
1,2,4-Trimethylbenzene	50.00	48.47	97	80-123	73-130	
1,3,5-Trimethylbenzene	50.00	49.31	99	80-126	72-134	
Vinyl Acetate	50.00	40.13	80	50-150	33-167	
Vinyl Chloride	50.00	42.93	86	63-135	51-147	
p/m-Xylene	100.0	99.43	99	80-125	72-132	
o-Xylene	50.00	49.31	99	80-125	72-132	
Methyl-t-Butyl Ether (MTBE)	50.00	46.09	92	77-120	70-127	

Total number of LCS compounds: 67

Total number of ME compounds: 0

Total number of ME compounds allowed: 3

LCS ME CL validation result: Pass

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - LCS/LCSD

Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

Date Received: 10/11/17
Work Order: 17-10-0812
Preparation: EPA 5035
Method: EPA 8260B

Project: 777 N. Front Street / HR1305D-01

Page 3 of 6

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-14-312-861	LCS	Solid	GC/MS BB	10/12/17	10/12/17 15:11	171012L063
099-14-312-861	LCSD	Solid	GC/MS BB	10/12/17	10/12/17 15:40	171012L063

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	ME CL	RPD	RPD CL	Qualifiers
Acetone	50.00	54.16	108	56.00	112	30-150	10-170	3	0-20	
Benzene	50.00	52.10	104	54.81	110	79-120	72-127	5	0-20	
Bromobenzene	50.00	54.58	109	56.08	112	80-120	73-127	3	0-20	
Bromochloromethane	50.00	59.23	118	59.91	120	80-120	73-127	1	0-20	
Bromodichloromethane	50.00	57.52	115	60.11	120	73-127	64-136	4	0-20	
Bromoform	50.00	52.22	104	51.92	104	55-133	42-146	1	0-20	
Bromomethane	50.00	49.92	100	47.80	96	36-144	18-162	4	0-20	
2-Butanone	50.00	53.29	107	51.10	102	56-176	36-196	4	0-20	
n-Butylbenzene	50.00	53.24	106	57.69	115	78-126	70-134	8	0-20	
sec-Butylbenzene	50.00	51.42	103	56.23	112	79-127	71-135	9	0-20	
tert-Butylbenzene	50.00	52.99	106	55.18	110	80-128	72-136	4	0-20	
Carbon Disulfide	50.00	57.93	116	60.63	121	53-125	41-137	5	0-20	
Carbon Tetrachloride	50.00	60.45	121	64.52	129	58-142	44-156	7	0-20	
Chlorobenzene	50.00	53.15	106	54.87	110	80-120	73-127	3	0-20	
Chloroethane	50.00	58.41	117	57.14	114	60-120	50-130	2	0-20	
Chloroform	50.00	55.47	111	57.29	115	80-120	73-127	3	0-20	
Chloromethane	50.00	54.19	108	53.50	107	50-122	38-134	1	0-20	
2-Chlorotoluene	50.00	54.11	108	56.88	114	80-125	72-132	5	0-20	
4-Chlorotoluene	50.00	52.48	105	55.07	110	80-120	73-127	5	0-20	
Dibromochloromethane	50.00	58.19	116	58.91	118	70-130	60-140	1	0-20	
1,2-Dibromo-3-Chloropropane	50.00	60.83	122	60.25	120	54-132	41-145	1	0-20	
1,2-Dibromoethane	50.00	56.56	113	57.41	115	80-120	73-127	1	0-20	
Dibromomethane	50.00	53.28	107	53.31	107	80-122	73-129	0	0-20	
1,2-Dichlorobenzene	50.00	52.73	105	54.76	110	80-120	73-127	4	0-20	
1,3-Dichlorobenzene	50.00	51.75	104	54.92	110	80-120	73-127	6	0-20	
1,4-Dichlorobenzene	50.00	51.98	104	54.42	109	80-120	73-127	5	0-20	
Dichlorodifluoromethane	50.00	54.03	108	52.69	105	32-158	11-179	3	0-20	
1,1-Dichloroethane	50.00	54.79	110	57.21	114	74-120	66-128	4	0-20	
1,2-Dichloroethane	50.00	54.37	109	55.32	111	79-121	72-128	2	0-20	
1,1-Dichloroethene	50.00	54.38	109	57.90	116	71-125	62-134	6	0-20	
c-1,2-Dichloroethene	50.00	56.84	114	58.15	116	80-123	73-130	2	0-20	
t-1,2-Dichloroethene	50.00	57.09	114	59.29	119	80-120	73-127	4	0-20	
1,2-Dichloropropane	50.00	55.42	111	57.21	114	77-120	70-127	3	0-20	
1,3-Dichloropropane	50.00	54.50	109	54.01	108	80-120	73-127	1	0-20	
2,2-Dichloropropane	50.00	56.35	113	60.27	121	58-142	44-156	7	0-20	
1,1-Dichloropropene	50.00	55.69	111	58.91	118	69-120	60-128	6	0-20	

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - LCS/LCSD

Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

Date Received: 10/11/17
Work Order: 17-10-0812
Preparation: EPA 5035
Method: EPA 8260B

Project: 777 N. Front Street / HR1305D-01

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Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	ME CL	RPD	RPD CL	Qualifiers
c-1,3-Dichloropropene	50.00	57.45	115	58.33	117	74-128	65-137	2	0-20	ME
t-1,3-Dichloropropene	50.00	61.80	124	61.70	123	66-120	57-129	0	0-20	
Ethylbenzene	50.00	52.75	106	55.86	112	80-120	73-127	6	0-20	
2-Hexanone	50.00	54.51	109	54.60	109	67-151	53-165	0	0-20	
Isopropylbenzene	50.00	52.33	105	55.52	111	80-129	72-137	6	0-20	
p-Isopropyltoluene	50.00	53.60	107	58.01	116	80-122	73-129	8	0-20	
Methylene Chloride	50.00	55.64	111	57.09	114	72-120	64-128	3	0-20	
4-Methyl-2-Pentanone	50.00	54.11	108	54.90	110	72-126	63-135	1	0-20	
Naphthalene	50.00	53.80	108	54.99	110	64-124	54-134	2	0-20	
n-Propylbenzene	50.00	53.45	107	56.64	113	80-122	73-129	6	0-20	
Styrene	50.00	54.79	110	56.46	113	80-123	73-130	3	0-20	
1,1,1,2-Tetrachloroethane	50.00	60.80	122	61.48	123	73-133	63-143	1	0-20	
1,1,2,2-Tetrachloroethane	50.00	53.74	107	54.06	108	77-120	70-127	1	0-20	
Tetrachloroethene	50.00	54.45	109	58.32	117	75-123	67-131	7	0-20	
Toluene	50.00	51.86	104	54.84	110	80-120	73-127	6	0-20	
1,2,3-Trichlorobenzene	50.00	51.73	103	53.73	107	73-127	64-136	4	0-20	
1,2,4-Trichlorobenzene	50.00	55.84	112	57.03	114	74-128	65-137	2	0-20	
1,1,1-Trichloroethane	50.00	55.92	112	58.76	118	71-131	61-141	5	0-20	
1,1,2-Trichloroethane	50.00	56.41	113	56.40	113	80-120	73-127	0	0-20	
1,1,2-Trichloro-1,2,2-Trifluoroethane	50.00	54.98	110	57.51	115	77-125	69-133	4	0-20	
Trichloroethene	50.00	54.21	108	58.32	117	80-120	73-127	7	0-20	
Trichlorofluoromethane	50.00	59.51	119	57.88	116	70-136	59-147	3	0-20	
1,2,3-Trichloropropane	50.00	58.48	117	57.26	115	60-120	50-130	2	0-20	
1,2,4-Trimethylbenzene	50.00	51.04	102	55.08	110	75-123	67-131	8	0-20	
1,3,5-Trimethylbenzene	50.00	53.11	106	56.55	113	80-123	73-130	6	0-20	
Vinyl Acetate	50.00	50.18	100	50.59	101	51-159	33-177	1	0-20	
Vinyl Chloride	50.00	58.96	118	55.39	111	68-120	59-129	6	0-20	
p/m-Xylene	100.0	103.7	104	108.4	108	80-122	73-129	4	0-20	
o-Xylene	50.00	52.35	105	55.27	111	79-127	71-135	5	0-20	
Methyl-t-Butyl Ether (MTBE)	50.00	56.63	113	56.81	114	64-124	54-134	0	0-20	

Total number of LCS compounds: 66

Total number of ME compounds: 1

Total number of ME compounds allowed: 3

LCS ME CL validation result: Pass

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - LCS/LCSD

Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

Date Received: 10/11/17
Work Order: 17-10-0812
Preparation: EPA 5035
Method: EPA 8260B

Project: 777 N. Front Street / HR1305D-01

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Quality Control Sample ID	Type	Matrix		Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number			
099-14-312-859	LCS	Solid		GC/MS BB	10/13/17	10/13/17 15:33	171013L021			
099-14-312-859	LCSD	Solid		GC/MS BB	10/13/17	10/13/17 16:02	171013L021			
Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	ME CL	RPD	RPD CL	Qualifiers
Acetone	50.00	65.71	131	57.49	115	30-150	10-170	13	0-20	
Benzene	50.00	55.54	111	50.33	101	79-120	72-127	10	0-20	
Bromobenzene	50.00	56.48	113	51.58	103	80-120	73-127	9	0-20	
Bromochloromethane	50.00	60.77	122	55.81	112	80-120	73-127	9	0-20	ME
Bromodichloromethane	50.00	59.54	119	54.87	110	73-127	64-136	8	0-20	
Bromoform	50.00	53.97	108	49.33	99	55-133	42-146	9	0-20	
Bromomethane	50.00	49.10	98	42.30	85	36-144	18-162	15	0-20	
2-Butanone	50.00	62.15	124	54.73	109	56-176	36-196	13	0-20	
n-Butylbenzene	50.00	54.27	109	48.69	97	78-126	70-134	11	0-20	
sec-Butylbenzene	50.00	54.67	109	47.78	96	79-127	71-135	13	0-20	
tert-Butylbenzene	50.00	54.96	110	48.88	98	80-128	72-136	12	0-20	
Carbon Disulfide	50.00	59.82	120	53.11	106	53-125	41-137	12	0-20	
Carbon Tetrachloride	50.00	62.23	124	56.59	113	58-142	44-156	9	0-20	
Chlorobenzene	50.00	54.56	109	49.92	100	80-120	73-127	9	0-20	
Chloroethane	50.00	55.34	111	50.03	100	60-120	50-130	10	0-20	
Chloroform	50.00	58.88	118	52.28	105	80-120	73-127	12	0-20	
Chloromethane	50.00	53.28	107	49.51	99	50-122	38-134	7	0-20	
2-Chlorotoluene	50.00	56.14	112	50.79	102	80-125	72-132	10	0-20	
4-Chlorotoluene	50.00	54.38	109	49.34	99	80-120	73-127	10	0-20	
Dibromochloromethane	50.00	60.84	122	55.39	111	70-130	60-140	9	0-20	
1,2-Dibromo-3-Chloropropane	50.00	62.07	124	58.96	118	54-132	41-145	5	0-20	
1,2-Dibromoethane	50.00	60.06	120	54.52	109	80-120	73-127	10	0-20	
Dibromomethane	50.00	56.62	113	51.70	103	80-122	73-129	9	0-20	
1,2-Dichlorobenzene	50.00	54.42	109	49.73	99	80-120	73-127	9	0-20	
1,3-Dichlorobenzene	50.00	54.27	109	49.02	98	80-120	73-127	10	0-20	
1,4-Dichlorobenzene	50.00	54.31	109	48.37	97	80-120	73-127	12	0-20	
Dichlorodifluoromethane	50.00	56.58	113	49.99	100	32-158	11-179	12	0-20	
1,1-Dichloroethane	50.00	59.09	118	52.78	106	74-120	66-128	11	0-20	
1,2-Dichloroethane	50.00	56.88	114	51.94	104	79-121	72-128	9	0-20	
1,1-Dichloroethene	50.00	57.02	114	50.84	102	71-125	62-134	11	0-20	
c-1,2-Dichloroethene	50.00	60.78	122	52.99	106	80-123	73-130	14	0-20	
t-1,2-Dichloroethene	50.00	60.08	120	52.29	105	80-120	73-127	14	0-20	
1,2-Dichloropropane	50.00	59.06	118	53.49	107	77-120	70-127	10	0-20	
1,3-Dichloropropane	50.00	57.91	116	52.50	105	80-120	73-127	10	0-20	
2,2-Dichloropropane	50.00	59.90	120	52.37	105	58-142	44-156	13	0-20	
1,1-Dichloropropene	50.00	59.34	119	52.00	104	69-120	60-128	13	0-20	

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - LCS/LCSD

Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

Date Received: 10/11/17
Work Order: 17-10-0812
Preparation: EPA 5035
Method: EPA 8260B

Project: 777 N. Front Street / HR1305D-01

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Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	ME CL	RPD	RPD CL	Qualifiers
c-1,3-Dichloropropene	50.00	60.44	121	55.13	110	74-128	65-137	9	0-20	ME
t-1,3-Dichloropropene	50.00	64.27	129	59.15	118	66-120	57-129	8	0-20	
Ethylbenzene	50.00	54.53	109	49.81	100	80-120	73-127	9	0-20	
2-Hexanone	50.00	60.26	121	54.61	109	67-151	53-165	10	0-20	ME
Isopropylbenzene	50.00	54.50	109	48.48	97	80-129	72-137	12	0-20	
p-Isopropyltoluene	50.00	55.30	111	48.48	97	80-122	73-129	13	0-20	
Methylene Chloride	50.00	59.84	120	53.83	108	72-120	64-128	11	0-20	ME
4-Methyl-2-Pentanone	50.00	60.58	121	56.04	112	72-126	63-135	8	0-20	
Naphthalene	50.00	57.06	114	52.39	105	64-124	54-134	9	0-20	
n-Propylbenzene	50.00	55.38	111	49.53	99	80-122	73-129	11	0-20	ME
Styrene	50.00	56.50	113	51.70	103	80-123	73-130	9	0-20	
1,1,1,2-Tetrachloroethane	50.00	63.06	126	57.27	115	73-133	63-143	10	0-20	
1,1,2,2-Tetrachloroethane	50.00	58.73	117	51.94	104	77-120	70-127	12	0-20	ME
Tetrachloroethene	50.00	53.18	106	46.19	92	75-123	67-131	14	0-20	
Toluene	50.00	53.65	107	48.43	97	80-120	73-127	10	0-20	
1,2,3-Trichlorobenzene	50.00	53.40	107	49.03	98	73-127	64-136	9	0-20	ME
1,2,4-Trichlorobenzene	50.00	56.25	113	50.57	101	74-128	65-137	11	0-20	
1,1,1-Trichloroethane	50.00	59.19	118	51.48	103	71-131	61-141	14	0-20	
1,1,2-Trichloroethane	50.00	60.19	120	54.10	108	80-120	73-127	11	0-20	ME
1,1,2-Trichloro-1,2,2-Trifluoroethane	50.00	57.34	115	50.76	102	77-125	69-133	12	0-20	
Trichloroethene	50.00	56.92	114	50.58	101	80-120	73-127	12	0-20	
Trichlorofluoromethane	50.00	60.41	121	53.22	106	70-136	59-147	13	0-20	ME
1,2,3-Trichloropropane	50.00	61.76	124	56.34	113	60-120	50-130	9	0-20	
1,2,4-Trimethylbenzene	50.00	53.41	107	47.60	95	75-123	67-131	12	0-20	
1,3,5-Trimethylbenzene	50.00	55.36	111	49.14	98	80-123	73-130	12	0-20	ME
Vinyl Acetate	50.00	54.90	110	50.20	100	51-159	33-177	9	0-20	
Vinyl Chloride	50.00	56.46	113	51.01	102	68-120	59-129	10	0-20	
p/m-Xylene	100.0	105.7	106	95.22	95	80-122	73-129	10	0-20	ME
o-Xylene	50.00	54.53	109	49.16	98	79-127	71-135	10	0-20	
Methyl-t-Butyl Ether (MTBE)	50.00	60.21	120	53.93	108	64-124	54-134	11	0-20	

Total number of LCS compounds: 66

Total number of ME compounds: 3

Total number of ME compounds allowed: 3

LCS ME CL validation result: Pass

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Sample Analysis Summary Report

Work Order: 17-10-0812

Page 1 of 1

<u>Method</u>	<u>Extraction</u>	<u>Chemist ID</u>	<u>Instrument</u>	<u>Analytical Location</u>
EPA 8260B	EPA 5035	1120	GC/MS BB	2
EPA 8260B	EPA 5030C	1135	GC/MS XX	2


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Location 2: 7445 Lampson Avenue, Garden Grove, CA 92841

Glossary of Terms and Qualifiers

Work Order: 17-10-0812

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<u>Qualifiers</u>	<u>Definition</u>
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control.
4	The MS/MSD RPD was out of control due to suspected matrix interference.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
BV	Sample received after holding time expired.
CI	See case narrative.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
JA	Analyte positively identified but quantitation is an estimate.
ME	LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean).
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.
	Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of ≤ 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations.



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Calscience

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For courier service / sample drop off information, contact us26_sales@eurofins.com or call us.

LABORATORY CLIENT:

Geosyntec Consultants

ADDRESS:

2100 Main St # 150

CITY:

Huntington Beach

STATE:

CA

ZIP:

92648

TEL:

714-465-1258

E-MAIL:

jwharton@geosyntec.com

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):

☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☒ STANDARD

EDD

☐ COELT EDF ☐ OTHER

SPECIAL INSTRUCTIONS:

WO NO. / LAB USE ONLY

17-10-0812

CHAIN-OF-CUSTODY RECORD

Date: 10/11/17

Page: 1 of 1

LABORATORY CLIENT:	CLIENT PROJECT NAME / NO.:	P.O. NO.:
Geosyntec Consultants	777 N. Front St.	HR1305D-01
ADDRESS:	PROJECT CONTACT:	LAB CONTACT OR QUOTE NO.:
2100 Main St # 150	Goodwin Wharton	Stephen Nowak
CITY:	GLOBAL ID:	SAMPLER(S) (PRINT)
Huntington Beach		G. Wharton
STATE:	LOG CODE:	
CA		
ZIP:		
92648		
TEL:		
714-465-1258		
E-MAIL:		
jwharton@geosyntec.com		

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING		MATRIX	NO. OF CONT.	Field Filtered		TPH (g) ☐ GRO	TPH (d) ☐ DRO	TPH ☐ C6-C36 ☐ C6-C44	TPH	BTEX / MTBE ☐ 8260 ☐	VOCs (8260)	Oxygenates (8260)	Prep (5035) ☐ En Core ☐ Terra Core	SVOCs (8270)	Pesticides (8081)	PCBs (8082)	PAHs ☐ 8270 ☐ 8270 SIM	T22 Metals ☐ 6010/747X ☐ 6020/747X	Cr(VI) ☐ 7196 ☐ 7199 ☐ 218.6
		DATE	TIME			Unpreserved	Preserved														
1	NP-3-16	10/10/17	15:25	S	4	X							X								
2	NP-3-32	10/10/17	15:30	S	4	X							X								
3	NP-3-46	10/10/17	15:40	S	4	X							X								
4	NP-4-10	10/14/17	09:05	S	4	X							X								
5	NP-4-18	10/14/17	09:35	S	4	X							X								
6	NP-4-40	10/14/17	09:50	S	4	X							X								
7	NP-4-58	10/14/17	10:45	S	4	X							X								
8	NP-4-80	10/14/17	11:10	S	4	X							X								
9	EB-NP-4	10/14/17	13:20	L	2	X							X								

Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date: 10/11/17	Time: 14:50
Goodwin Wharton	[Signature]		
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date: 10/11/17	Time: 1845
[Signature]	[Signature]		
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

SAMPLE RECEIPT CHECKLIST

COOLER 1 OF 1

CLIENT: GEOSYNTEL

DATE: 10/11/2017

TEMPERATURE: (Criteria: 0.0°C – 6.0°C, not frozen except sediment/tissue)

Thermometer ID: SC6 (CF: -0.4°C); Temperature (w/o CF): 3.5 °C (w/ CF): 3.1 °C; ☒ Blank ☐ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____)

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling

☐ Sample(s) received at ambient temperature; placed on ice for transport by courier

Ambient Temperature: ☐ Air ☐ Filter

Checked by: 804

CUSTODY SEAL:

Cooler ☐ Present and Intact ☐ Present but Not Intact ☒ Not Present ☐ N/A

Checked by: 804

Sample(s) ☐ Present and Intact ☐ Present but Not Intact ☒ Not Present ☐ N/A

Checked by: 1140

SAMPLE CONDITION:

	Yes	No	N/A
Chain-of-Custody (COC) document(s) received with samples	☒	☐	☐
COC document(s) received complete	☒	☐	☐
☐ Sampling date ☐ Sampling time ☐ Matrix ☐ Number of containers			
☐ No analysis requested ☐ Not relinquished ☐ No relinquished date ☐ No relinquished time			
Sampler's name indicated on COC	☒	☐	☐
Sample container label(s) consistent with COC	☒	☐	☐
Sample container(s) intact and in good condition	☒	☐	☐
Proper containers for analyses requested	☒	☐	☐
Sufficient volume/mass for analyses requested	☒	☐	☐
Samples received within holding time	☒	☐	☐
Aqueous samples for certain analyses received within 15-minute holding time			
☐ pH ☐ Residual Chlorine ☐ Dissolved Sulfide ☐ Dissolved Oxygen	☐	☐	☒
Proper preservation chemical(s) noted on COC and/or sample container	☒	☐	☐
Unpreserved aqueous sample(s) received for certain analyses			
☐ Volatile Organics ☐ Total Metals ☐ Dissolved Metals			
Acid/base preserved samples - pH within acceptable range	☐	☐	☒
Container(s) for certain analysis free of headspace	☒	☐	☐
☒ Volatile Organics ☐ Dissolved Gases (RSK-175) ☐ Dissolved Oxygen (SM 4500)			
☐ Carbon Dioxide (SM 4500) ☐ Ferrous Iron (SM 3500) ☐ Hydrogen Sulfide (Hach)			
Tedlar™ bag(s) free of condensation	☐	☐	☒

CONTAINER TYPE:

(Trip Blank Lot Number: _____)

Aqueous: ☐ VOA ☒ VOA^h ☐ VOAn₂ ☐ 100PJ ☐ 100PJna₂ ☐ 125AGB ☐ 125AGBh ☐ 125AGBp ☐ 125PB ☐ 125PBznna (pH__9)

☐ 250AGB ☐ 250CGB ☐ 250CGBs (pH__2) ☐ 250PB ☐ 250PBn (pH__2) ☐ 500AGB ☐ 500AGJ ☐ 500AGJs (pH__2) ☐ 500PB

☐ 1AGB ☐ 1AGBna₂ ☐ 1AGBs (pH__2) ☐ 1AGBs (O&G) ☐ 1PB ☐ 1PBna (pH__12) ☐ _____ ☐ _____

Solid: ☐ 4ozCGJ ☐ 8ozCGJ ☐ 16ozCGJ ☐ Sleeve (____) ☐ EnCores® (____) ☒ TerraCores® (3) ☒ 202 PJ ☐ _____ ☐ _____

Air: ☐ Tedlar™ ☐ Canister ☐ Sorbent Tube ☐ PUF ☐ _____ Other Matrix (____): ☐ _____ ☐ _____

Container: A = Amber, B = Bottle, C = Clear, E = Envelope, G = Glass, J = Jar, P = Plastic, and Z = Ziploc/Resealable Bag

Preservative: b = buffered, f = filtered, h = HCl, n = HNO₃, na = NaOH, na₂ = Na₂S₂O₃, p = H₃PO₄, Labeled/Checked by: 1140

s = H₂SO₄, u = ultra-pure, x = Na₂SO₃+NaHSO₄.H₂O, znna = Zn (CH₃CO₂)₂ + NaOH

Reviewed by: 1017



Supplemental Report 1

The original report has been
revised/corrected.

**WORK ORDER NUMBER: 17-10-0916**

The difference is service



AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For**Client:** Geosyntec Consultants**Client Project Name:** 777 N. Front Street / HR1305D-01

Attention: Goodwin Wharton
2100 Main Street
Suite 150
Huntington Beach, CA 92648-2460

A handwritten signature in black ink, appearing to read "S. Nowak".

Approved for release on 11/03/2017 by:
Stephen Nowak
Project Manager

ResultLink ▶

Email your PM ▶

Eurofins Calscience, Inc. (Calscience) certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any defense to any litigation which may arise.

Contents

Client Project Name: 777 N. Front Street / HR1305D-01
Work Order Number: 17-10-0916

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Work Order: 17-10-0916Page 1 of 1

Condition Upon Receipt:

Samples were received under Chain-of-Custody (COC) on 10/12/17. They were assigned to Work Order 17-10-0916.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

Holding Times:

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of ≤ 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

Quality Control:

All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

Subcontractor Information:

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.

Additional Comments:

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.



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Sample Summary

Client:	Geosyntec Consultants	Work Order:	17-10-0916
	2100 Main Street, Suite 150	Project Name:	777 N. Front Street / HR1305D-01
	Huntington Beach, CA 92648-2460	PO Number:	
		Date/Time Received:	10/12/17 17:15
		Number of Containers:	36

Attn: Goodwin Wharton

Sample Identification	Lab Number	Collection Date and Time	Number of Containers	Matrix
NP-5-18	17-10-0916-1	10/11/17 16:05	4	Solid
NP-5-36	17-10-0916-2	10/11/17 16:30	4	Solid
NP-5-45	17-10-0916-3	10/11/17 16:50	4	Solid
NP-5-56	17-10-0916-4	10/11/17 17:00	4	Solid
NP-8-18	17-10-0916-5	10/12/17 09:10	4	Solid
NP-8-24	17-10-0916-6	10/12/17 09:50	4	Solid
NP-8-42	17-10-0916-7	10/12/17 10:05	4	Solid
NP-8-59	17-10-0916-8	10/12/17 10:40	4	Solid
NP-8-81	17-10-0916-9	10/12/17 11:45	4	Solid


Return to Contents



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Detections Summary

Client: Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

Work Order: 17-10-0916
Project Name: 777 N. Front Street / HR1305D-01
Received: 10/12/17

Attn: Goodwin Wharton

Page 1 of 1

Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction
NP-5-45 (17-10-0916-3)						
Acetone	6.6	J	5.7*	ug/kg	EPA 8260B	EPA 5035
Benzene	1.3		0.91	ug/kg	EPA 8260B	EPA 5035
Toluene	1.6		0.91	ug/kg	EPA 8260B	EPA 5035
1,3,5-Trimethylbenzene	0.72	J	0.50*	ug/kg	EPA 8260B	EPA 5035
p/m-Xylene	1.2	J	0.24*	ug/kg	EPA 8260B	EPA 5035
NP-5-56 (17-10-0916-4)						
Acetone	6.2	J	5.5*	ug/kg	EPA 8260B	EPA 5035
Chloroform	0.35	J	0.21*	ug/kg	EPA 8260B	EPA 5035
Tetrachloroethene	2.4		0.88	ug/kg	EPA 8260B	EPA 5035
Trichloroethene	3.0		1.8	ug/kg	EPA 8260B	EPA 5035
NP-8-18 (17-10-0916-5)						
Acetone	29	J	5.0*	ug/kg	EPA 8260B	EPA 5035
Benzene	0.13	J	0.10*	ug/kg	EPA 8260B	EPA 5035
NP-8-24 (17-10-0916-6)						
Acetone	20	J	4.9*	ug/kg	EPA 8260B	EPA 5035
Benzene	0.13	J	0.10*	ug/kg	EPA 8260B	EPA 5035
Tetrachloroethene	0.21	J	0.16*	ug/kg	EPA 8260B	EPA 5035
NP-8-42 (17-10-0916-7)						
Acetone	10	J	5.1*	ug/kg	EPA 8260B	EPA 5035
Benzene	0.33	J	0.11*	ug/kg	EPA 8260B	EPA 5035
Tetrachloroethene	0.19	J	0.17*	ug/kg	EPA 8260B	EPA 5035
NP-8-81 (17-10-0916-9)						
Tetrachloroethene	120		44	ug/kg	EPA 8260B	EPA 5035
Trichloroethene	79	J	13*	ug/kg	EPA 8260B	EPA 5035

Subcontracted analyses, if any, are not included in this summary.

* MDL is shown



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Analytical Report

Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

Date Received: 10/12/17
Work Order: 17-10-0916
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: 777 N. Front Street / HR1305D-01

Page 1 of 22

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
NP-5-18	17-10-0916-1-E	10/11/17 16:05	Solid	GC/MS BB	10/11/17	10/13/17 21:47	171013L021

Comment(s): - Results were evaluated to the MDL (DL), concentrations $\geq$ to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.
- The reporting limits are elevated due to high levels of non-target compounds.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	2400	300	50.0	
Benzene	ND	48	6.3	50.0	
Bromobenzene	ND	48	10	50.0	
Bromochloromethane	ND	97	33	50.0	
Bromodichloromethane	ND	48	11	50.0	
Bromoform	ND	240	38	50.0	
Bromomethane	ND	970	450	50.0	
2-Butanone	ND	970	180	50.0	
n-Butylbenzene	ND	48	7.6	50.0	
sec-Butylbenzene	ND	48	28	50.0	
tert-Butylbenzene	ND	48	7.3	50.0	
Carbon Disulfide	ND	480	15	50.0	
Carbon Tetrachloride	ND	48	14	50.0	
Chlorobenzene	ND	48	11	50.0	
Chloroethane	ND	97	72	50.0	
Chloroform	ND	48	12	50.0	
Chloromethane	ND	970	15	50.0	
2-Chlorotoluene	ND	48	11	50.0	
4-Chlorotoluene	ND	48	10	50.0	
Dibromochloromethane	ND	97	28	50.0	
1,2-Dibromo-3-Chloropropane	ND	240	84	50.0	
1,2-Dibromoethane	ND	48	12	50.0	
Dibromomethane	ND	48	37	50.0	
1,2-Dichlorobenzene	ND	48	11	50.0	
1,3-Dichlorobenzene	ND	48	8.5	50.0	
1,4-Dichlorobenzene	ND	48	11	50.0	
Dichlorodifluoromethane	ND	97	21	50.0	
1,1-Dichloroethane	ND	48	10	50.0	
1,2-Dichloroethane	ND	48	15	50.0	
1,1-Dichloroethene	ND	48	17	50.0	
c-1,2-Dichloroethene	ND	48	14	50.0	
t-1,2-Dichloroethene	ND	48	24	50.0	
1,2-Dichloropropane	ND	48	21	50.0	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



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Analytical Report

Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

Date Received: 10/12/17
Work Order: 17-10-0916
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: 777 N. Front Street / HR1305D-01

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<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>MDL</u>	<u>DF</u>	<u>Qualifiers</u>
1,3-Dichloropropane	ND	48	12	50.0	
2,2-Dichloropropane	ND	240	16	50.0	
1,1-Dichloropropene	ND	97	16	50.0	
c-1,3-Dichloropropene	ND	48	12	50.0	
t-1,3-Dichloropropene	ND	97	29	50.0	
Ethylbenzene	ND	48	7.3	50.0	
2-Hexanone	ND	970	85	50.0	
Isopropylbenzene	ND	48	26	50.0	
p-Isopropyltoluene	ND	48	30	50.0	
Methylene Chloride	ND	480	65	50.0	
4-Methyl-2-Pentanone	ND	970	210	50.0	
Naphthalene	ND	480	39	50.0	
n-Propylbenzene	ND	97	24	50.0	
Styrene	ND	48	29	50.0	
1,1,1,2-Tetrachloroethane	ND	48	12	50.0	
1,1,2,2-Tetrachloroethane	ND	97	17	50.0	
Tetrachloroethene	ND	48	10	50.0	
Toluene	ND	48	25	50.0	
1,2,3-Trichlorobenzene	ND	97	44	50.0	
1,2,4-Trichlorobenzene	ND	97	15	50.0	
1,1,1-Trichloroethane	ND	48	11	50.0	
1,1,2-Trichloroethane	ND	48	17	50.0	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	480	17	50.0	
Trichloroethene	ND	97	15	50.0	
Trichlorofluoromethane	ND	480	18	50.0	
1,2,3-Trichloropropane	ND	97	40	50.0	
1,2,4-Trimethylbenzene	ND	97	28	50.0	
1,3,5-Trimethylbenzene	ND	97	26	50.0	
Vinyl Acetate	ND	480	230	50.0	
Vinyl Chloride	ND	48	24	50.0	
p/m-Xylene	ND	97	13	50.0	
o-Xylene	ND	48	27	50.0	
Methyl-t-Butyl Ether (MTBE)	ND	97	14	50.0	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	98	80-120	
Dibromofluoromethane	96	79-133	
1,2-Dichloroethane-d4	104	71-155	
Toluene-d8	102	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

Date Received: 10/12/17
Work Order: 17-10-0916
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: 777 N. Front Street / HR1305D-01

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
NP-5-36	17-10-0916-2-E	10/11/17 16:30	Solid	GC/MS BB	10/11/17	10/13/17 22:16	171013L021

Comment(s): - Results were evaluated to the MDL (DL), concentrations $\geq$ to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.
- The reporting limits are elevated due to high levels of non-target compounds.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	2300	290	50.0	
Benzene	ND	47	6.0	50.0	
Bromobenzene	ND	47	9.8	50.0	
Bromochloromethane	ND	93	32	50.0	
Bromodichloromethane	ND	47	11	50.0	
Bromoform	ND	230	37	50.0	
Bromomethane	ND	930	440	50.0	
2-Butanone	ND	930	180	50.0	
n-Butylbenzene	ND	47	7.3	50.0	
sec-Butylbenzene	ND	47	27	50.0	
tert-Butylbenzene	ND	47	7.0	50.0	
Carbon Disulfide	ND	470	14	50.0	
Carbon Tetrachloride	ND	47	13	50.0	
Chlorobenzene	ND	47	10	50.0	
Chloroethane	ND	93	69	50.0	
Chloroform	ND	47	11	50.0	
Chloromethane	ND	930	14	50.0	
2-Chlorotoluene	ND	47	11	50.0	
4-Chlorotoluene	ND	47	9.9	50.0	
Dibromochloromethane	ND	93	27	50.0	
1,2-Dibromo-3-Chloropropane	ND	230	81	50.0	
1,2-Dibromoethane	ND	47	12	50.0	
Dibromomethane	ND	47	36	50.0	
1,2-Dichlorobenzene	ND	47	11	50.0	
1,3-Dichlorobenzene	ND	47	8.2	50.0	
1,4-Dichlorobenzene	ND	47	10	50.0	
Dichlorodifluoromethane	ND	93	21	50.0	
1,1-Dichloroethane	ND	47	9.8	50.0	
1,2-Dichloroethane	ND	47	15	50.0	
1,1-Dichloroethene	ND	47	16	50.0	
c-1,2-Dichloroethene	ND	47	13	50.0	
t-1,2-Dichloroethene	ND	47	24	50.0	
1,2-Dichloropropane	ND	47	20	50.0	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

Date Received: 10/12/17
Work Order: 17-10-0916
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: 777 N. Front Street / HR1305D-01

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<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>MDL</u>	<u>DF</u>	<u>Qualifiers</u>
1,3-Dichloropropane	ND	47	12	50.0	
2,2-Dichloropropane	ND	230	15	50.0	
1,1-Dichloropropene	ND	93	15	50.0	
c-1,3-Dichloropropene	ND	47	12	50.0	
t-1,3-Dichloropropene	ND	93	28	50.0	
Ethylbenzene	ND	47	7.1	50.0	
2-Hexanone	ND	930	82	50.0	
Isopropylbenzene	ND	47	25	50.0	
p-Isopropyltoluene	ND	47	29	50.0	
Methylene Chloride	ND	470	62	50.0	
4-Methyl-2-Pentanone	ND	930	200	50.0	
Naphthalene	ND	470	38	50.0	
n-Propylbenzene	ND	93	23	50.0	
Styrene	ND	47	28	50.0	
1,1,1,2-Tetrachloroethane	ND	47	11	50.0	
1,1,2,2-Tetrachloroethane	ND	93	16	50.0	
Tetrachloroethene	ND	47	9.8	50.0	
Toluene	ND	47	24	50.0	
1,2,3-Trichlorobenzene	ND	93	43	50.0	
1,2,4-Trichlorobenzene	ND	93	14	50.0	
1,1,1-Trichloroethane	ND	47	10	50.0	
1,1,2-Trichloroethane	ND	47	16	50.0	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	470	16	50.0	
Trichloroethene	ND	93	14	50.0	
Trichlorofluoromethane	ND	470	17	50.0	
1,2,3-Trichloropropane	ND	93	39	50.0	
1,2,4-Trimethylbenzene	ND	93	27	50.0	
1,3,5-Trimethylbenzene	ND	93	26	50.0	
Vinyl Acetate	ND	470	220	50.0	
Vinyl Chloride	ND	47	23	50.0	
p/m-Xylene	ND	93	12	50.0	
o-Xylene	ND	47	26	50.0	
Methyl-t-Butyl Ether (MTBE)	ND	93	14	50.0	
<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>		
1,4-Bromofluorobenzene	98	80-120			
Dibromofluoromethane	97	79-133			
1,2-Dichloroethane-d4	102	71-155			
Toluene-d8	99	80-120			

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

Date Received: 10/12/17
Work Order: 17-10-0916
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: 777 N. Front Street / HR1305D-01

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
NP-5-45	17-10-0916-3-C	10/11/17 16:50	Solid	GC/MS BB	10/11/17	10/13/17 19:23	171013L020

Comment(s): - Results were evaluated to the MDL (DL), concentrations $\geq$ to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	6.6	45	5.7	1.00	J
Benzene	1.3	0.91	0.12	1.00	
Bromobenzene	ND	0.91	0.19	1.00	
Bromochloromethane	ND	1.8	0.63	1.00	
Bromodichloromethane	ND	0.91	0.21	1.00	
Bromoform	ND	4.5	0.72	1.00	
Bromomethane	ND	18	8.5	1.00	
2-Butanone	ND	18	3.4	1.00	
n-Butylbenzene	ND	0.91	0.14	1.00	
sec-Butylbenzene	ND	0.91	0.52	1.00	
tert-Butylbenzene	ND	0.91	0.14	1.00	
Carbon Disulfide	ND	9.1	0.28	1.00	
Carbon Tetrachloride	ND	0.91	0.26	1.00	
Chlorobenzene	ND	0.91	0.20	1.00	
Chloroethane	ND	1.8	1.4	1.00	
Chloroform	ND	0.91	0.22	1.00	
Chloromethane	ND	18	0.28	1.00	
2-Chlorotoluene	ND	0.91	0.21	1.00	
4-Chlorotoluene	ND	0.91	0.19	1.00	
Dibromochloromethane	ND	1.8	0.52	1.00	
1,2-Dibromo-3-Chloropropane	ND	4.5	1.6	1.00	
1,2-Dibromoethane	ND	0.91	0.23	1.00	
Dibromomethane	ND	0.91	0.70	1.00	
1,2-Dichlorobenzene	ND	0.91	0.21	1.00	
1,3-Dichlorobenzene	ND	0.91	0.16	1.00	
1,4-Dichlorobenzene	ND	0.91	0.20	1.00	
Dichlorodifluoromethane	ND	1.8	0.40	1.00	
1,1-Dichloroethane	ND	0.91	0.19	1.00	
1,2-Dichloroethane	ND	0.91	0.28	1.00	
1,1-Dichloroethene	ND	0.91	0.31	1.00	
c-1,2-Dichloroethene	ND	0.91	0.25	1.00	
t-1,2-Dichloroethene	ND	0.91	0.46	1.00	
1,2-Dichloropropane	ND	0.91	0.40	1.00	
1,3-Dichloropropane	ND	0.91	0.23	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

Date Received: 10/12/17
Work Order: 17-10-0916
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: 777 N. Front Street / HR1305D-01

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<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>MDL</u>	<u>DF</u>	<u>Qualifiers</u>
2,2-Dichloropropane	ND	4.5	0.30	1.00	
1,1-Dichloropropene	ND	1.8	0.30	1.00	
c-1,3-Dichloropropene	ND	0.91	0.23	1.00	
t-1,3-Dichloropropene	ND	1.8	0.55	1.00	
Ethylbenzene	ND	0.91	0.14	1.00	
2-Hexanone	ND	18	1.6	1.00	
Isopropylbenzene	ND	0.91	0.49	1.00	
p-Isopropyltoluene	ND	0.91	0.57	1.00	
Methylene Chloride	ND	9.1	1.2	1.00	
4-Methyl-2-Pentanone	ND	18	3.9	1.00	
Naphthalene	ND	9.1	0.74	1.00	
n-Propylbenzene	ND	1.8	0.45	1.00	
Styrene	ND	0.91	0.55	1.00	
1,1,1,2-Tetrachloroethane	ND	0.91	0.22	1.00	
1,1,2,2-Tetrachloroethane	ND	1.8	0.31	1.00	
Tetrachloroethene	ND	0.91	0.19	1.00	
Toluene	1.6	0.91	0.47	1.00	
1,2,3-Trichlorobenzene	ND	1.8	0.83	1.00	
1,2,4-Trichlorobenzene	ND	1.8	0.28	1.00	
1,1,1-Trichloroethane	ND	0.91	0.20	1.00	
1,1,2-Trichloroethane	ND	0.91	0.32	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	9.1	0.32	1.00	
Trichloroethene	ND	1.8	0.27	1.00	
Trichlorofluoromethane	ND	9.1	0.34	1.00	
1,2,3-Trichloropropane	ND	1.8	0.75	1.00	
1,2,4-Trimethylbenzene	ND	1.8	0.53	1.00	
1,3,5-Trimethylbenzene	0.72	1.8	0.50	1.00	J
Vinyl Acetate	ND	9.1	4.3	1.00	
Vinyl Chloride	ND	0.91	0.46	1.00	
p/m-Xylene	1.2	1.8	0.24	1.00	J
o-Xylene	ND	0.91	0.50	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.8	0.27	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	101	80-120	
Dibromofluoromethane	104	79-133	
1,2-Dichloroethane-d4	112	71-155	
Toluene-d8	100	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

Date Received: 10/12/17
Work Order: 17-10-0916
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: 777 N. Front Street / HR1305D-01

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
NP-5-56	17-10-0916-4-C	10/11/17 17:00	Solid	GC/MS BB	10/11/17	10/13/17 19:52	171013L020

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	6.2	44	5.5	1.00	J
Benzene	ND	0.88	0.11	1.00	
Bromobenzene	ND	0.88	0.18	1.00	
Bromochloromethane	ND	1.8	0.60	1.00	
Bromodichloromethane	ND	0.88	0.20	1.00	
Bromoform	ND	4.4	0.70	1.00	
Bromomethane	ND	18	8.3	1.00	
2-Butanone	ND	18	3.3	1.00	
n-Butylbenzene	ND	0.88	0.14	1.00	
sec-Butylbenzene	ND	0.88	0.51	1.00	
tert-Butylbenzene	ND	0.88	0.13	1.00	
Carbon Disulfide	ND	8.8	0.27	1.00	
Carbon Tetrachloride	ND	0.88	0.25	1.00	
Chlorobenzene	ND	0.88	0.20	1.00	
Chloroethane	ND	1.8	1.3	1.00	
Chloroform	0.35	0.88	0.21	1.00	J
Chloromethane	ND	18	0.27	1.00	
2-Chlorotoluene	ND	0.88	0.20	1.00	
4-Chlorotoluene	ND	0.88	0.19	1.00	
Dibromochloromethane	ND	1.8	0.50	1.00	
1,2-Dibromo-3-Chloropropane	ND	4.4	1.5	1.00	
1,2-Dibromoethane	ND	0.88	0.22	1.00	
Dibromomethane	ND	0.88	0.68	1.00	
1,2-Dichlorobenzene	ND	0.88	0.20	1.00	
1,3-Dichlorobenzene	ND	0.88	0.15	1.00	
1,4-Dichlorobenzene	ND	0.88	0.19	1.00	
Dichlorodifluoromethane	ND	1.8	0.39	1.00	
1,1-Dichloroethane	ND	0.88	0.19	1.00	
1,2-Dichloroethane	ND	0.88	0.27	1.00	
1,1-Dichloroethene	ND	0.88	0.30	1.00	
c-1,2-Dichloroethene	ND	0.88	0.24	1.00	
t-1,2-Dichloroethene	ND	0.88	0.44	1.00	
1,2-Dichloropropane	ND	0.88	0.38	1.00	
1,3-Dichloropropane	ND	0.88	0.22	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

Date Received: 10/12/17
Work Order: 17-10-0916
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: 777 N. Front Street / HR1305D-01

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<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>MDL</u>	<u>DF</u>	<u>Qualifiers</u>
2,2-Dichloropropane	ND	4.4	0.29	1.00	
1,1-Dichloropropene	ND	1.8	0.29	1.00	
c-1,3-Dichloropropene	ND	0.88	0.22	1.00	
t-1,3-Dichloropropene	ND	1.8	0.53	1.00	
Ethylbenzene	ND	0.88	0.13	1.00	
2-Hexanone	ND	18	1.5	1.00	
Isopropylbenzene	ND	0.88	0.48	1.00	
p-Isopropyltoluene	ND	0.88	0.55	1.00	
Methylene Chloride	ND	8.8	1.2	1.00	
4-Methyl-2-Pentanone	ND	18	3.8	1.00	
Naphthalene	ND	8.8	0.71	1.00	
n-Propylbenzene	ND	1.8	0.44	1.00	
Styrene	ND	0.88	0.53	1.00	
1,1,1,2-Tetrachloroethane	ND	0.88	0.21	1.00	
1,1,2,2-Tetrachloroethane	ND	1.8	0.30	1.00	
Tetrachloroethene	2.4	0.88	0.18	1.00	
Toluene	ND	0.88	0.45	1.00	
1,2,3-Trichlorobenzene	ND	1.8	0.80	1.00	
1,2,4-Trichlorobenzene	ND	1.8	0.27	1.00	
1,1,1-Trichloroethane	ND	0.88	0.20	1.00	
1,1,2-Trichloroethane	ND	0.88	0.31	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	8.8	0.31	1.00	
Trichloroethene	3.0	1.8	0.26	1.00	
Trichlorofluoromethane	ND	8.8	0.33	1.00	
1,2,3-Trichloropropane	ND	1.8	0.73	1.00	
1,2,4-Trimethylbenzene	ND	1.8	0.51	1.00	
1,3,5-Trimethylbenzene	ND	1.8	0.48	1.00	
Vinyl Acetate	ND	8.8	4.2	1.00	
Vinyl Chloride	ND	0.88	0.44	1.00	
p/m-Xylene	ND	1.8	0.23	1.00	
o-Xylene	ND	0.88	0.49	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.8	0.26	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	99	80-120	
Dibromofluoromethane	107	79-133	
1,2-Dichloroethane-d4	115	71-155	
Toluene-d8	101	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

Date Received: 10/12/17
Work Order: 17-10-0916
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: 777 N. Front Street / HR1305D-01

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
NP-8-18	17-10-0916-5-C	10/12/17 09:10	Solid	GC/MS BB	10/12/17	10/13/17 20:21	171013L020

Comment(s): - Results were evaluated to the MDL (DL), concentrations $\geq$ to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	29	40	5.0	1.00	J
Benzene	0.13	0.80	0.10	1.00	J
Bromobenzene	ND	0.80	0.17	1.00	
Bromochloromethane	ND	1.6	0.55	1.00	
Bromodichloromethane	ND	0.80	0.19	1.00	
Bromoform	ND	4.0	0.64	1.00	
Bromomethane	ND	16	7.6	1.00	
2-Butanone	ND	16	3.0	1.00	
n-Butylbenzene	ND	0.80	0.13	1.00	
sec-Butylbenzene	ND	0.80	0.46	1.00	
tert-Butylbenzene	ND	0.80	0.12	1.00	
Carbon Disulfide	ND	8.0	0.25	1.00	
Carbon Tetrachloride	ND	0.80	0.23	1.00	
Chlorobenzene	ND	0.80	0.18	1.00	
Chloroethane	ND	1.6	1.2	1.00	
Chloroform	ND	0.80	0.19	1.00	
Chloromethane	ND	16	0.24	1.00	
2-Chlorotoluene	ND	0.80	0.19	1.00	
4-Chlorotoluene	ND	0.80	0.17	1.00	
Dibromochloromethane	ND	1.6	0.46	1.00	
1,2-Dibromo-3-Chloropropane	ND	4.0	1.4	1.00	
1,2-Dibromoethane	ND	0.80	0.20	1.00	
Dibromomethane	ND	0.80	0.62	1.00	
1,2-Dichlorobenzene	ND	0.80	0.18	1.00	
1,3-Dichlorobenzene	ND	0.80	0.14	1.00	
1,4-Dichlorobenzene	ND	0.80	0.18	1.00	
Dichlorodifluoromethane	ND	1.6	0.36	1.00	
1,1-Dichloroethane	ND	0.80	0.17	1.00	
1,2-Dichloroethane	ND	0.80	0.25	1.00	
1,1-Dichloroethene	ND	0.80	0.28	1.00	
c-1,2-Dichloroethene	ND	0.80	0.22	1.00	
t-1,2-Dichloroethene	ND	0.80	0.41	1.00	
1,2-Dichloropropane	ND	0.80	0.35	1.00	
1,3-Dichloropropane	ND	0.80	0.20	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

Date Received: 10/12/17
Work Order: 17-10-0916
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: 777 N. Front Street / HR1305D-01

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<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>MDL</u>	<u>DF</u>	<u>Qualifiers</u>
2,2-Dichloropropane	ND	4.0	0.27	1.00	
1,1-Dichloropropene	ND	1.6	0.26	1.00	
c-1,3-Dichloropropene	ND	0.80	0.20	1.00	
t-1,3-Dichloropropene	ND	1.6	0.49	1.00	
Ethylbenzene	ND	0.80	0.12	1.00	
2-Hexanone	ND	16	1.4	1.00	
Isopropylbenzene	ND	0.80	0.44	1.00	
p-Isopropyltoluene	ND	0.80	0.51	1.00	
Methylene Chloride	ND	8.0	1.1	1.00	
4-Methyl-2-Pentanone	ND	16	3.5	1.00	
Naphthalene	ND	8.0	0.65	1.00	
n-Propylbenzene	ND	1.6	0.40	1.00	
Styrene	ND	0.80	0.49	1.00	
1,1,1,2-Tetrachloroethane	ND	0.80	0.19	1.00	
1,1,2,2-Tetrachloroethane	ND	1.6	0.28	1.00	
Tetrachloroethene	ND	0.80	0.17	1.00	
Toluene	ND	0.80	0.41	1.00	
1,2,3-Trichlorobenzene	ND	1.6	0.73	1.00	
1,2,4-Trichlorobenzene	ND	1.6	0.25	1.00	
1,1,1-Trichloroethane	ND	0.80	0.18	1.00	
1,1,2-Trichloroethane	ND	0.80	0.28	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	8.0	0.28	1.00	
Trichloroethene	ND	1.6	0.24	1.00	
Trichlorofluoromethane	ND	8.0	0.30	1.00	
1,2,3-Trichloropropane	ND	1.6	0.67	1.00	
1,2,4-Trimethylbenzene	ND	1.6	0.47	1.00	
1,3,5-Trimethylbenzene	ND	1.6	0.44	1.00	
Vinyl Acetate	ND	8.0	3.8	1.00	
Vinyl Chloride	ND	0.80	0.40	1.00	
p/m-Xylene	ND	1.6	0.21	1.00	
o-Xylene	ND	0.80	0.45	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.6	0.24	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	100	80-120	
Dibromofluoromethane	102	79-133	
1,2-Dichloroethane-d4	118	71-155	
Toluene-d8	101	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

Date Received: 10/12/17
Work Order: 17-10-0916
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: 777 N. Front Street / HR1305D-01

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
NP-8-24	17-10-0916-6-C	10/12/17 09:50	Solid	GC/MS BB	10/12/17	10/13/17 20:50	171013L020

Comment(s): - Results were evaluated to the MDL (DL), concentrations $\geq$ to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	20	39	4.9	1.00	J
Benzene	0.13	0.78	0.10	1.00	J
Bromobenzene	ND	0.78	0.16	1.00	
Bromochloromethane	ND	1.6	0.54	1.00	
Bromodichloromethane	ND	0.78	0.18	1.00	
Bromoform	ND	3.9	0.62	1.00	
Bromomethane	ND	16	7.4	1.00	
2-Butanone	ND	16	3.0	1.00	
n-Butylbenzene	ND	0.78	0.12	1.00	
sec-Butylbenzene	ND	0.78	0.45	1.00	
tert-Butylbenzene	ND	0.78	0.12	1.00	
Carbon Disulfide	ND	7.8	0.24	1.00	
Carbon Tetrachloride	ND	0.78	0.22	1.00	
Chlorobenzene	ND	0.78	0.18	1.00	
Chloroethane	ND	1.6	1.2	1.00	
Chloroform	ND	0.78	0.19	1.00	
Chloromethane	ND	16	0.24	1.00	
2-Chlorotoluene	ND	0.78	0.18	1.00	
4-Chlorotoluene	ND	0.78	0.17	1.00	
Dibromochloromethane	ND	1.6	0.45	1.00	
1,2-Dibromo-3-Chloropropane	ND	3.9	1.4	1.00	
1,2-Dibromoethane	ND	0.78	0.20	1.00	
Dibromomethane	ND	0.78	0.61	1.00	
1,2-Dichlorobenzene	ND	0.78	0.18	1.00	
1,3-Dichlorobenzene	ND	0.78	0.14	1.00	
1,4-Dichlorobenzene	ND	0.78	0.17	1.00	
Dichlorodifluoromethane	ND	1.6	0.35	1.00	
1,1-Dichloroethane	ND	0.78	0.17	1.00	
1,2-Dichloroethane	ND	0.78	0.25	1.00	
1,1-Dichloroethene	ND	0.78	0.27	1.00	
c-1,2-Dichloroethene	ND	0.78	0.22	1.00	
t-1,2-Dichloroethene	ND	0.78	0.40	1.00	
1,2-Dichloropropane	ND	0.78	0.34	1.00	
1,3-Dichloropropane	ND	0.78	0.20	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

Date Received: 10/12/17
Work Order: 17-10-0916
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: 777 N. Front Street / HR1305D-01

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<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>MDL</u>	<u>DF</u>	<u>Qualifiers</u>
2,2-Dichloropropane	ND	3.9	0.26	1.00	
1,1-Dichloropropene	ND	1.6	0.26	1.00	
c-1,3-Dichloropropene	ND	0.78	0.20	1.00	
t-1,3-Dichloropropene	ND	1.6	0.47	1.00	
Ethylbenzene	ND	0.78	0.12	1.00	
2-Hexanone	ND	16	1.4	1.00	
Isopropylbenzene	ND	0.78	0.43	1.00	
p-Isopropyltoluene	ND	0.78	0.49	1.00	
Methylene Chloride	ND	7.8	1.0	1.00	
4-Methyl-2-Pentanone	ND	16	3.4	1.00	
Naphthalene	ND	7.8	0.64	1.00	
n-Propylbenzene	ND	1.6	0.39	1.00	
Styrene	ND	0.78	0.47	1.00	
1,1,1,2-Tetrachloroethane	ND	0.78	0.19	1.00	
1,1,2,2-Tetrachloroethane	ND	1.6	0.27	1.00	
Tetrachloroethene	0.21	0.78	0.16	1.00	J
Toluene	ND	0.78	0.40	1.00	
1,2,3-Trichlorobenzene	ND	1.6	0.72	1.00	
1,2,4-Trichlorobenzene	ND	1.6	0.24	1.00	
1,1,1-Trichloroethane	ND	0.78	0.18	1.00	
1,1,2-Trichloroethane	ND	0.78	0.28	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	7.8	0.28	1.00	
Trichloroethene	ND	1.6	0.24	1.00	
Trichlorofluoromethane	ND	7.8	0.29	1.00	
1,2,3-Trichloropropane	ND	1.6	0.65	1.00	
1,2,4-Trimethylbenzene	ND	1.6	0.46	1.00	
1,3,5-Trimethylbenzene	ND	1.6	0.43	1.00	
Vinyl Acetate	ND	7.8	3.7	1.00	
Vinyl Chloride	ND	0.78	0.39	1.00	
p/m-Xylene	ND	1.6	0.21	1.00	
o-Xylene	ND	0.78	0.44	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.6	0.23	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	98	80-120	
Dibromofluoromethane	103	79-133	
1,2-Dichloroethane-d4	121	71-155	
Toluene-d8	101	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

Date Received: 10/12/17
Work Order: 17-10-0916
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: 777 N. Front Street / HR1305D-01

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
NP-8-42	17-10-0916-7-C	10/12/17 10:05	Solid	GC/MS BB	10/12/17	10/13/17 21:19	171013L020

Comment(s): - Results were evaluated to the MDL (DL), concentrations $\geq$ to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	10	41	5.1	1.00	J
Benzene	0.33	0.82	0.11	1.00	J
Bromobenzene	ND	0.82	0.17	1.00	
Bromochloromethane	ND	1.6	0.57	1.00	
Bromodichloromethane	ND	0.82	0.19	1.00	
Bromoform	ND	4.1	0.65	1.00	
Bromomethane	ND	16	7.7	1.00	
2-Butanone	ND	16	3.1	1.00	
n-Butylbenzene	ND	0.82	0.13	1.00	
sec-Butylbenzene	ND	0.82	0.47	1.00	
tert-Butylbenzene	ND	0.82	0.12	1.00	
Carbon Disulfide	ND	8.2	0.25	1.00	
Carbon Tetrachloride	ND	0.82	0.23	1.00	
Chlorobenzene	ND	0.82	0.18	1.00	
Chloroethane	ND	1.6	1.2	1.00	
Chloroform	ND	0.82	0.20	1.00	
Chloromethane	ND	16	0.25	1.00	
2-Chlorotoluene	ND	0.82	0.19	1.00	
4-Chlorotoluene	ND	0.82	0.17	1.00	
Dibromochloromethane	ND	1.6	0.47	1.00	
1,2-Dibromo-3-Chloropropane	ND	4.1	1.4	1.00	
1,2-Dibromoethane	ND	0.82	0.21	1.00	
Dibromomethane	ND	0.82	0.64	1.00	
1,2-Dichlorobenzene	ND	0.82	0.19	1.00	
1,3-Dichlorobenzene	ND	0.82	0.14	1.00	
1,4-Dichlorobenzene	ND	0.82	0.18	1.00	
Dichlorodifluoromethane	ND	1.6	0.36	1.00	
1,1-Dichloroethane	ND	0.82	0.17	1.00	
1,2-Dichloroethane	ND	0.82	0.26	1.00	
1,1-Dichloroethene	ND	0.82	0.28	1.00	
c-1,2-Dichloroethene	ND	0.82	0.23	1.00	
t-1,2-Dichloroethene	ND	0.82	0.42	1.00	
1,2-Dichloropropane	ND	0.82	0.36	1.00	
1,3-Dichloropropane	ND	0.82	0.21	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

Date Received: 10/12/17
Work Order: 17-10-0916
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: 777 N. Front Street / HR1305D-01

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<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>MDL</u>	<u>DF</u>	<u>Qualifiers</u>
2,2-Dichloropropane	ND	4.1	0.27	1.00	
1,1-Dichloropropene	ND	1.6	0.27	1.00	
c-1,3-Dichloropropene	ND	0.82	0.21	1.00	
t-1,3-Dichloropropene	ND	1.6	0.50	1.00	
Ethylbenzene	ND	0.82	0.12	1.00	
2-Hexanone	ND	16	1.4	1.00	
Isopropylbenzene	ND	0.82	0.45	1.00	
p-Isopropyltoluene	ND	0.82	0.52	1.00	
Methylene Chloride	ND	8.2	1.1	1.00	
4-Methyl-2-Pentanone	ND	16	3.5	1.00	
Naphthalene	ND	8.2	0.67	1.00	
n-Propylbenzene	ND	1.6	0.41	1.00	
Styrene	ND	0.82	0.50	1.00	
1,1,1,2-Tetrachloroethane	ND	0.82	0.20	1.00	
1,1,2,2-Tetrachloroethane	ND	1.6	0.28	1.00	
Tetrachloroethene	0.19	0.82	0.17	1.00	J
Toluene	ND	0.82	0.42	1.00	
1,2,3-Trichlorobenzene	ND	1.6	0.75	1.00	
1,2,4-Trichlorobenzene	ND	1.6	0.25	1.00	
1,1,1-Trichloroethane	ND	0.82	0.18	1.00	
1,1,2-Trichloroethane	ND	0.82	0.29	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	8.2	0.29	1.00	
Trichloroethene	ND	1.6	0.25	1.00	
Trichlorofluoromethane	ND	8.2	0.31	1.00	
1,2,3-Trichloropropane	ND	1.6	0.68	1.00	
1,2,4-Trimethylbenzene	ND	1.6	0.48	1.00	
1,3,5-Trimethylbenzene	ND	1.6	0.45	1.00	
Vinyl Acetate	ND	8.2	3.9	1.00	
Vinyl Chloride	ND	0.82	0.41	1.00	
p/m-Xylene	ND	1.6	0.22	1.00	
o-Xylene	ND	0.82	0.46	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.6	0.24	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	100	80-120	
Dibromofluoromethane	108	79-133	
1,2-Dichloroethane-d4	123	71-155	
Toluene-d8	100	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

Date Received: 10/12/17
Work Order: 17-10-0916
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: 777 N. Front Street / HR1305D-01

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
NP-8-59	17-10-0916-8-E	10/12/17 10:40	Solid	GC/MS BB	10/12/17	10/13/17 22:45	171013L021

Comment(s): - Results were evaluated to the MDL (DL), concentrations $\geq$ to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.
- The reporting limits are elevated due to high levels of non-target compounds.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	2200	270	50.0	
Benzene	ND	44	5.7	50.0	
Bromobenzene	ND	44	9.2	50.0	
Bromochloromethane	ND	88	30	50.0	
Bromodichloromethane	ND	44	10	50.0	
Bromoform	ND	220	35	50.0	
Bromomethane	ND	880	410	50.0	
2-Butanone	ND	880	170	50.0	
n-Butylbenzene	ND	44	6.9	50.0	
sec-Butylbenzene	ND	44	25	50.0	
tert-Butylbenzene	ND	44	6.6	50.0	
Carbon Disulfide	ND	440	13	50.0	
Carbon Tetrachloride	ND	44	12	50.0	
Chlorobenzene	ND	44	9.9	50.0	
Chloroethane	ND	88	66	50.0	
Chloroform	ND	44	11	50.0	
Chloromethane	ND	880	13	50.0	
2-Chlorotoluene	ND	44	10	50.0	
4-Chlorotoluene	ND	44	9.4	50.0	
Dibromochloromethane	ND	88	25	50.0	
1,2-Dibromo-3-Chloropropane	ND	220	77	50.0	
1,2-Dibromoethane	ND	44	11	50.0	
Dibromomethane	ND	44	34	50.0	
1,2-Dichlorobenzene	ND	44	10	50.0	
1,3-Dichlorobenzene	ND	44	7.8	50.0	
1,4-Dichlorobenzene	ND	44	9.8	50.0	
Dichlorodifluoromethane	ND	88	20	50.0	
1,1-Dichloroethane	ND	44	9.3	50.0	
1,2-Dichloroethane	ND	44	14	50.0	
1,1-Dichloroethene	ND	44	15	50.0	
c-1,2-Dichloroethene	ND	44	12	50.0	
t-1,2-Dichloroethene	ND	44	22	50.0	
1,2-Dichloropropane	ND	44	19	50.0	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



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Analytical Report

Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

Date Received: 10/12/17
Work Order: 17-10-0916
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: 777 N. Front Street / HR1305D-01

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<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>MDL</u>	<u>DF</u>	<u>Qualifiers</u>
1,3-Dichloropropane	ND	44	11	50.0	
2,2-Dichloropropane	ND	220	15	50.0	
1,1-Dichloropropene	ND	88	14	50.0	
c-1,3-Dichloropropene	ND	44	11	50.0	
t-1,3-Dichloropropene	ND	88	27	50.0	
Ethylbenzene	ND	44	6.7	50.0	
2-Hexanone	ND	880	78	50.0	
Isopropylbenzene	ND	44	24	50.0	
p-Isopropyltoluene	ND	44	28	50.0	
Methylene Chloride	ND	440	59	50.0	
4-Methyl-2-Pentanone	ND	880	190	50.0	
Naphthalene	ND	440	36	50.0	
n-Propylbenzene	ND	88	22	50.0	
Styrene	ND	44	27	50.0	
1,1,1,2-Tetrachloroethane	ND	44	11	50.0	
1,1,2,2-Tetrachloroethane	ND	88	15	50.0	
Tetrachloroethene	ND	44	9.2	50.0	
Toluene	ND	44	23	50.0	
1,2,3-Trichlorobenzene	ND	88	40	50.0	
1,2,4-Trichlorobenzene	ND	88	14	50.0	
1,1,1-Trichloroethane	ND	44	9.9	50.0	
1,1,2-Trichloroethane	ND	44	16	50.0	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	440	15	50.0	
Trichloroethene	ND	88	13	50.0	
Trichlorofluoromethane	ND	440	17	50.0	
1,2,3-Trichloropropane	ND	88	37	50.0	
1,2,4-Trimethylbenzene	ND	88	26	50.0	
1,3,5-Trimethylbenzene	ND	88	24	50.0	
Vinyl Acetate	ND	440	210	50.0	
Vinyl Chloride	ND	44	22	50.0	
p/m-Xylene	ND	88	12	50.0	
o-Xylene	ND	44	24	50.0	
Methyl-t-Butyl Ether (MTBE)	ND	88	13	50.0	
<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>		
1,4-Bromofluorobenzene	99	80-120			
Dibromofluoromethane	99	79-133			
1,2-Dichloroethane-d4	105	71-155			
Toluene-d8	102	80-120			

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



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Analytical Report

Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

Date Received: 10/12/17
Work Order: 17-10-0916
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: 777 N. Front Street / HR1305D-01

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
NP-8-81	17-10-0916-9-E	10/12/17 11:45	Solid	GC/MS BB	10/12/17	10/13/17 23:14	171013L021

Comment(s): - Results were evaluated to the MDL (DL), concentrations $\geq$ to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	2200	280	50.0	
Benzene	ND	44	5.8	50.0	
Bromobenzene	ND	44	9.3	50.0	
Bromochloromethane	ND	89	31	50.0	
Bromodichloromethane	ND	44	10	50.0	
Bromoform	ND	220	35	50.0	
Bromomethane	ND	890	420	50.0	
2-Butanone	ND	890	170	50.0	
n-Butylbenzene	ND	44	6.9	50.0	
sec-Butylbenzene	ND	44	26	50.0	
tert-Butylbenzene	ND	44	6.7	50.0	
Carbon Disulfide	ND	440	14	50.0	
Carbon Tetrachloride	ND	44	13	50.0	
Chlorobenzene	ND	44	9.9	50.0	
Chloroethane	ND	89	66	50.0	
Chloroform	ND	44	11	50.0	
Chloromethane	ND	890	13	50.0	
2-Chlorotoluene	ND	44	10	50.0	
4-Chlorotoluene	ND	44	9.4	50.0	
Dibromochloromethane	ND	89	25	50.0	
1,2-Dibromo-3-Chloropropane	ND	220	77	50.0	
1,2-Dibromoethane	ND	44	11	50.0	
Dibromomethane	ND	44	34	50.0	
1,2-Dichlorobenzene	ND	44	10	50.0	
1,3-Dichlorobenzene	ND	44	7.8	50.0	
1,4-Dichlorobenzene	ND	44	9.8	50.0	
Dichlorodifluoromethane	ND	89	20	50.0	
1,1-Dichloroethane	ND	44	9.4	50.0	
1,2-Dichloroethane	ND	44	14	50.0	
1,1-Dichloroethene	ND	44	15	50.0	
c-1,2-Dichloroethene	ND	44	12	50.0	
t-1,2-Dichloroethene	ND	44	22	50.0	
1,2-Dichloropropane	ND	44	19	50.0	
1,3-Dichloropropane	ND	44	11	50.0	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



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Analytical Report

Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

Date Received: 10/12/17
Work Order: 17-10-0916
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: 777 N. Front Street / HR1305D-01

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<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>MDL</u>	<u>DF</u>	<u>Qualifiers</u>
2,2-Dichloropropane	ND	220	15	50.0	
1,1-Dichloropropene	ND	89	15	50.0	
c-1,3-Dichloropropene	ND	44	11	50.0	
t-1,3-Dichloropropene	ND	89	27	50.0	
Ethylbenzene	ND	44	6.7	50.0	
2-Hexanone	ND	890	78	50.0	
Isopropylbenzene	ND	44	24	50.0	
p-Isopropyltoluene	ND	44	28	50.0	
Methylene Chloride	ND	440	59	50.0	
4-Methyl-2-Pentanone	ND	890	190	50.0	
Naphthalene	ND	440	36	50.0	
n-Propylbenzene	ND	89	22	50.0	
Styrene	ND	44	27	50.0	
1,1,1,2-Tetrachloroethane	ND	44	11	50.0	
1,1,2,2-Tetrachloroethane	ND	89	15	50.0	
Tetrachloroethene	120	44	9.3	50.0	
Toluene	ND	44	23	50.0	
1,2,3-Trichlorobenzene	ND	89	40	50.0	
1,2,4-Trichlorobenzene	ND	89	14	50.0	
1,1,1-Trichloroethane	ND	44	10	50.0	
1,1,2-Trichloroethane	ND	44	16	50.0	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	440	16	50.0	
Trichloroethene	79	89	13	50.0	J
Trichlorofluoromethane	ND	440	17	50.0	
1,2,3-Trichloropropane	ND	89	37	50.0	
1,2,4-Trimethylbenzene	ND	89	26	50.0	
1,3,5-Trimethylbenzene	ND	89	24	50.0	
Vinyl Acetate	ND	440	210	50.0	
Vinyl Chloride	ND	44	22	50.0	
p/m-Xylene	ND	89	12	50.0	
o-Xylene	ND	44	25	50.0	
Methyl-t-Butyl Ether (MTBE)	ND	89	13	50.0	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	98	80-120	
Dibromofluoromethane	99	79-133	
1,2-Dichloroethane-d4	103	71-155	
Toluene-d8	101	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



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Analytical Report

Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

Date Received: 10/12/17
Work Order: 17-10-0916
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: 777 N. Front Street / HR1305D-01

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-14-312-860	N/A	Solid	GC/MS BB	10/13/17	10/13/17 17:12	171013L020

Comment(s): - Results were evaluated to the MDL (DL), concentrations $\geq$ to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	50	6.2	1.00	
Benzene	ND	1.0	0.13	1.00	
Bromobenzene	ND	1.0	0.21	1.00	
Bromochloromethane	ND	2.0	0.69	1.00	
Bromodichloromethane	ND	1.0	0.23	1.00	
Bromoform	ND	5.0	0.79	1.00	
Bromomethane	ND	20	9.4	1.00	
2-Butanone	ND	20	3.8	1.00	
n-Butylbenzene	ND	1.0	0.16	1.00	
sec-Butylbenzene	ND	1.0	0.58	1.00	
tert-Butylbenzene	ND	1.0	0.15	1.00	
Carbon Disulfide	ND	10	0.31	1.00	
Carbon Tetrachloride	ND	1.0	0.28	1.00	
Chlorobenzene	ND	1.0	0.22	1.00	
Chloroethane	ND	2.0	1.5	1.00	
Chloroform	ND	1.0	0.24	1.00	
Chloromethane	ND	20	0.30	1.00	
2-Chlorotoluene	ND	1.0	0.23	1.00	
4-Chlorotoluene	ND	1.0	0.21	1.00	
Dibromochloromethane	ND	2.0	0.57	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.7	1.00	
1,2-Dibromoethane	ND	1.0	0.26	1.00	
Dibromomethane	ND	1.0	0.77	1.00	
1,2-Dichlorobenzene	ND	1.0	0.23	1.00	
1,3-Dichlorobenzene	ND	1.0	0.18	1.00	
1,4-Dichlorobenzene	ND	1.0	0.22	1.00	
Dichlorodifluoromethane	ND	2.0	0.44	1.00	
1,1-Dichloroethane	ND	1.0	0.21	1.00	
1,2-Dichloroethane	ND	1.0	0.31	1.00	
1,1-Dichloroethene	ND	1.0	0.35	1.00	
c-1,2-Dichloroethene	ND	1.0	0.28	1.00	
t-1,2-Dichloroethene	ND	1.0	0.51	1.00	
1,2-Dichloropropane	ND	1.0	0.44	1.00	
1,3-Dichloropropane	ND	1.0	0.25	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



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Analytical Report

Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

Date Received: 10/12/17
Work Order: 17-10-0916
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: 777 N. Front Street / HR1305D-01

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<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>MDL</u>	<u>DF</u>	<u>Qualifiers</u>
2,2-Dichloropropane	ND	5.0	0.33	1.00	
1,1-Dichloropropene	ND	2.0	0.33	1.00	
c-1,3-Dichloropropene	ND	1.0	0.25	1.00	
t-1,3-Dichloropropene	ND	2.0	0.61	1.00	
Ethylbenzene	ND	1.0	0.15	1.00	
2-Hexanone	ND	20	1.8	1.00	
Isopropylbenzene	ND	1.0	0.55	1.00	
p-Isopropyltoluene	ND	1.0	0.63	1.00	
Methylene Chloride	ND	10	1.3	1.00	
4-Methyl-2-Pentanone	ND	20	4.3	1.00	
Naphthalene	ND	10	0.81	1.00	
n-Propylbenzene	ND	2.0	0.50	1.00	
Styrene	ND	1.0	0.60	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	0.24	1.00	
1,1,2,2-Tetrachloroethane	ND	2.0	0.35	1.00	
Tetrachloroethene	ND	1.0	0.21	1.00	
Toluene	ND	1.0	0.52	1.00	
1,2,3-Trichlorobenzene	ND	2.0	0.91	1.00	
1,2,4-Trichlorobenzene	ND	2.0	0.31	1.00	
1,1,1-Trichloroethane	ND	1.0	0.23	1.00	
1,1,2-Trichloroethane	ND	1.0	0.35	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.35	1.00	
Trichloroethene	ND	2.0	0.30	1.00	
Trichlorofluoromethane	ND	10	0.38	1.00	
1,2,3-Trichloropropane	ND	2.0	0.83	1.00	
1,2,4-Trimethylbenzene	ND	2.0	0.59	1.00	
1,3,5-Trimethylbenzene	ND	2.0	0.55	1.00	
Vinyl Acetate	ND	10	4.7	1.00	
Vinyl Chloride	ND	1.0	0.50	1.00	
p/m-Xylene	ND	2.0	0.27	1.00	
o-Xylene	ND	1.0	0.56	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	2.0	0.30	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	99	80-120	
Dibromofluoromethane	107	79-133	
1,2-Dichloroethane-d4	109	71-155	
Toluene-d8	100	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

Date Received: 10/12/17
Work Order: 17-10-0916
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: 777 N. Front Street / HR1305D-01

Page 21 of 22

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-14-312-859	N/A	Solid	GC/MS BB	10/13/17	10/13/17 17:41	171013L021

Comment(s): - Results were evaluated to the MDL (DL), concentrations $\geq$ to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	5000	620	50.0	
Benzene	ND	100	13	50.0	
Bromobenzene	ND	100	21	50.0	
Bromochloromethane	ND	200	69	50.0	
Bromodichloromethane	ND	100	23	50.0	
Bromoform	ND	500	79	50.0	
Bromomethane	ND	2000	940	50.0	
2-Butanone	ND	2000	380	50.0	
n-Butylbenzene	ND	100	16	50.0	
sec-Butylbenzene	ND	100	58	50.0	
tert-Butylbenzene	ND	100	15	50.0	
Carbon Disulfide	ND	1000	31	50.0	
Carbon Tetrachloride	ND	100	28	50.0	
Chlorobenzene	ND	100	22	50.0	
Chloroethane	ND	200	150	50.0	
Chloroform	ND	100	24	50.0	
Chloromethane	34	2000	30	50.0	J
2-Chlorotoluene	ND	100	23	50.0	
4-Chlorotoluene	ND	100	21	50.0	
Dibromochloromethane	ND	200	57	50.0	
1,2-Dibromo-3-Chloropropane	ND	500	170	50.0	
1,2-Dibromoethane	ND	100	26	50.0	
Dibromomethane	ND	100	77	50.0	
1,2-Dichlorobenzene	ND	100	23	50.0	
1,3-Dichlorobenzene	ND	100	18	50.0	
1,4-Dichlorobenzene	ND	100	22	50.0	
Dichlorodifluoromethane	ND	200	44	50.0	
1,1-Dichloroethane	ND	100	21	50.0	
1,2-Dichloroethane	ND	100	31	50.0	
1,1-Dichloroethene	ND	100	35	50.0	
c-1,2-Dichloroethene	ND	100	28	50.0	
t-1,2-Dichloroethene	ND	100	51	50.0	
1,2-Dichloropropane	ND	100	44	50.0	
1,3-Dichloropropane	ND	100	25	50.0	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

Date Received: 10/12/17
Work Order: 17-10-0916
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: 777 N. Front Street / HR1305D-01

Page 22 of 22

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>MDL</u>	<u>DF</u>	<u>Qualifiers</u>
2,2-Dichloropropane	ND	500	33	50.0	
1,1-Dichloropropene	ND	200	33	50.0	
c-1,3-Dichloropropene	ND	100	25	50.0	
t-1,3-Dichloropropene	ND	200	61	50.0	
Ethylbenzene	ND	100	15	50.0	
2-Hexanone	ND	2000	180	50.0	
Isopropylbenzene	ND	100	55	50.0	
p-Isopropyltoluene	ND	100	63	50.0	
Methylene Chloride	ND	1000	130	50.0	
4-Methyl-2-Pentanone	ND	2000	430	50.0	
Naphthalene	ND	1000	81	50.0	
n-Propylbenzene	ND	200	50	50.0	
Styrene	ND	100	60	50.0	
1,1,1,2-Tetrachloroethane	ND	100	24	50.0	
1,1,2,2-Tetrachloroethane	ND	200	35	50.0	
Tetrachloroethene	ND	100	21	50.0	
Toluene	ND	100	52	50.0	
1,2,3-Trichlorobenzene	ND	200	91	50.0	
1,2,4-Trichlorobenzene	ND	200	31	50.0	
1,1,1-Trichloroethane	ND	100	23	50.0	
1,1,2-Trichloroethane	ND	100	35	50.0	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	1000	35	50.0	
Trichloroethene	ND	200	30	50.0	
Trichlorofluoromethane	ND	1000	38	50.0	
1,2,3-Trichloropropane	ND	200	83	50.0	
1,2,4-Trimethylbenzene	ND	200	59	50.0	
1,3,5-Trimethylbenzene	ND	200	55	50.0	
Vinyl Acetate	ND	1000	470	50.0	
Vinyl Chloride	ND	100	50	50.0	
p/m-Xylene	ND	200	27	50.0	
o-Xylene	ND	100	56	50.0	
Methyl-t-Butyl Ether (MTBE)	ND	200	30	50.0	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	101	80-120	
Dibromofluoromethane	99	79-133	
1,2-Dichloroethane-d4	102	71-155	
Toluene-d8	99	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Quality Control - LCS/LCSD

Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

Date Received: 10/12/17
Work Order: 17-10-0916
Preparation: EPA 5035
Method: EPA 8260B

Project: 777 N. Front Street / HR1305D-01

Page 1 of 4

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-14-312-860	LCS	Solid	GC/MS BB	10/13/17	10/13/17 15:33	171013L020
099-14-312-860	LCSD	Solid	GC/MS BB	10/13/17	10/13/17 16:02	171013L020

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	ME CL	RPD	RPD CL	Qualifiers
Acetone	50.00	65.71	131	57.49	115	30-150	10-170	13	0-20	
Benzene	50.00	55.54	111	50.33	101	79-120	72-127	10	0-20	
Bromobenzene	50.00	56.48	113	51.58	103	80-120	73-127	9	0-20	
Bromochloromethane	50.00	60.77	122	55.81	112	80-120	73-127	9	0-20	ME
Bromodichloromethane	50.00	59.54	119	54.87	110	73-127	64-136	8	0-20	
Bromoform	50.00	53.97	108	49.33	99	55-133	42-146	9	0-20	
Bromomethane	50.00	49.10	98	42.30	85	36-144	18-162	15	0-20	
2-Butanone	50.00	62.15	124	54.73	109	56-176	36-196	13	0-20	
n-Butylbenzene	50.00	54.27	109	48.69	97	78-126	70-134	11	0-20	
sec-Butylbenzene	50.00	54.67	109	47.78	96	79-127	71-135	13	0-20	
tert-Butylbenzene	50.00	54.96	110	48.88	98	80-128	72-136	12	0-20	
Carbon Disulfide	50.00	59.82	120	53.11	106	53-125	41-137	12	0-20	
Carbon Tetrachloride	50.00	62.23	124	56.59	113	58-142	44-156	9	0-20	
Chlorobenzene	50.00	54.56	109	49.92	100	80-120	73-127	9	0-20	
Chloroethane	50.00	55.34	111	50.03	100	60-120	50-130	10	0-20	
Chloroform	50.00	58.88	118	52.28	105	80-120	73-127	12	0-20	
Chloromethane	50.00	53.28	107	49.51	99	50-122	38-134	7	0-20	
2-Chlorotoluene	50.00	56.14	112	50.79	102	80-125	72-132	10	0-20	
4-Chlorotoluene	50.00	54.38	109	49.34	99	80-120	73-127	10	0-20	
Dibromochloromethane	50.00	60.84	122	55.39	111	70-130	60-140	9	0-20	
1,2-Dibromo-3-Chloropropane	50.00	62.07	124	58.96	118	54-132	41-145	5	0-20	
1,2-Dibromoethane	50.00	60.06	120	54.52	109	80-120	73-127	10	0-20	
Dibromomethane	50.00	56.62	113	51.70	103	80-122	73-129	9	0-20	
1,2-Dichlorobenzene	50.00	54.42	109	49.73	99	80-120	73-127	9	0-20	
1,3-Dichlorobenzene	50.00	54.27	109	49.02	98	80-120	73-127	10	0-20	
1,4-Dichlorobenzene	50.00	54.31	109	48.37	97	80-120	73-127	12	0-20	
Dichlorodifluoromethane	50.00	56.58	113	49.99	100	32-158	11-179	12	0-20	
1,1-Dichloroethane	50.00	59.09	118	52.78	106	74-120	66-128	11	0-20	
1,2-Dichloroethane	50.00	56.88	114	51.94	104	79-121	72-128	9	0-20	
1,1-Dichloroethene	50.00	57.02	114	50.84	102	71-125	62-134	11	0-20	
c-1,2-Dichloroethene	50.00	60.78	122	52.99	106	80-123	73-130	14	0-20	
t-1,2-Dichloroethene	50.00	60.08	120	52.29	105	80-120	73-127	14	0-20	
1,2-Dichloropropane	50.00	59.06	118	53.49	107	77-120	70-127	10	0-20	
1,3-Dichloropropane	50.00	57.91	116	52.50	105	80-120	73-127	10	0-20	
2,2-Dichloropropane	50.00	59.90	120	52.37	105	58-142	44-156	13	0-20	
1,1-Dichloropropene	50.00	59.34	119	52.00	104	69-120	60-128	13	0-20	

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - LCS/LCSD

Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

Date Received: 10/12/17
Work Order: 17-10-0916
Preparation: EPA 5035
Method: EPA 8260B

Project: 777 N. Front Street / HR1305D-01

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Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	ME CL	RPD	RPD CL	Qualifiers
c-1,3-Dichloropropene	50.00	60.44	121	55.13	110	74-128	65-137	9	0-20	ME
t-1,3-Dichloropropene	50.00	64.27	129	59.15	118	66-120	57-129	8	0-20	
Ethylbenzene	50.00	54.53	109	49.81	100	80-120	73-127	9	0-20	
2-Hexanone	50.00	60.26	121	54.61	109	67-151	53-165	10	0-20	
Isopropylbenzene	50.00	54.50	109	48.48	97	80-129	72-137	12	0-20	
p-Isopropyltoluene	50.00	55.30	111	48.48	97	80-122	73-129	13	0-20	
Methylene Chloride	50.00	59.84	120	53.83	108	72-120	64-128	11	0-20	
4-Methyl-2-Pentanone	50.00	60.58	121	56.04	112	72-126	63-135	8	0-20	
Naphthalene	50.00	57.06	114	52.39	105	64-124	54-134	9	0-20	
n-Propylbenzene	50.00	55.38	111	49.53	99	80-122	73-129	11	0-20	
Styrene	50.00	56.50	113	51.70	103	80-123	73-130	9	0-20	ME
1,1,1,2-Tetrachloroethane	50.00	63.06	126	57.27	115	73-133	63-143	10	0-20	
1,1,2,2-Tetrachloroethane	50.00	58.73	117	51.94	104	77-120	70-127	12	0-20	
Tetrachloroethene	50.00	53.18	106	46.19	92	75-123	67-131	14	0-20	
Toluene	50.00	53.65	107	48.43	97	80-120	73-127	10	0-20	
1,2,3-Trichlorobenzene	50.00	53.40	107	49.03	98	73-127	64-136	9	0-20	
1,2,4-Trichlorobenzene	50.00	56.25	113	50.57	101	74-128	65-137	11	0-20	
1,1,1-Trichloroethane	50.00	59.19	118	51.48	103	71-131	61-141	14	0-20	
1,1,2-Trichloroethane	50.00	60.19	120	54.10	108	80-120	73-127	11	0-20	
1,1,2-Trichloro-1,2,2-Trifluoroethane	50.00	57.34	115	50.76	102	77-125	69-133	12	0-20	
Trichloroethene	50.00	56.92	114	50.58	101	80-120	73-127	12	0-20	ME
Trichlorofluoromethane	50.00	60.41	121	53.22	106	70-136	59-147	13	0-20	
1,2,3-Trichloropropane	50.00	61.76	124	56.34	113	60-120	50-130	9	0-20	
1,2,4-Trimethylbenzene	50.00	53.41	107	47.60	95	75-123	67-131	12	0-20	
1,3,5-Trimethylbenzene	50.00	55.36	111	49.14	98	80-123	73-130	12	0-20	
Vinyl Acetate	50.00	54.90	110	50.20	100	51-159	33-177	9	0-20	
Vinyl Chloride	50.00	56.46	113	51.01	102	68-120	59-129	10	0-20	
p/m-Xylene	100.0	105.7	106	95.22	95	80-122	73-129	10	0-20	
o-Xylene	50.00	54.53	109	49.16	98	79-127	71-135	10	0-20	
Methyl-t-Butyl Ether (MTBE)	50.00	60.21	120	53.93	108	64-124	54-134	11	0-20	

Total number of LCS compounds: 66

Total number of ME compounds: 3

Total number of ME compounds allowed: 3

LCS ME CL validation result: Pass

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - LCS/LCSD

Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

Date Received: 10/12/17
Work Order: 17-10-0916
Preparation: EPA 5035
Method: EPA 8260B

Project: 777 N. Front Street / HR1305D-01

Page 3 of 4

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-14-312-859	LCS	Solid	GC/MS BB	10/13/17	10/13/17 15:33	171013L021
099-14-312-859	LCSD	Solid	GC/MS BB	10/13/17	10/13/17 16:02	171013L021

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	ME CL	RPD	RPD CL	Qualifiers
Acetone	50.00	65.71	131	57.49	115	30-150	10-170	13	0-20	
Benzene	50.00	55.54	111	50.33	101	79-120	72-127	10	0-20	
Bromobenzene	50.00	56.48	113	51.58	103	80-120	73-127	9	0-20	
Bromochloromethane	50.00	60.77	122	55.81	112	80-120	73-127	9	0-20	ME
Bromodichloromethane	50.00	59.54	119	54.87	110	73-127	64-136	8	0-20	
Bromoform	50.00	53.97	108	49.33	99	55-133	42-146	9	0-20	
Bromomethane	50.00	49.10	98	42.30	85	36-144	18-162	15	0-20	
2-Butanone	50.00	62.15	124	54.73	109	56-176	36-196	13	0-20	
n-Butylbenzene	50.00	54.27	109	48.69	97	78-126	70-134	11	0-20	
sec-Butylbenzene	50.00	54.67	109	47.78	96	79-127	71-135	13	0-20	
tert-Butylbenzene	50.00	54.96	110	48.88	98	80-128	72-136	12	0-20	
Carbon Disulfide	50.00	59.82	120	53.11	106	53-125	41-137	12	0-20	
Carbon Tetrachloride	50.00	62.23	124	56.59	113	58-142	44-156	9	0-20	
Chlorobenzene	50.00	54.56	109	49.92	100	80-120	73-127	9	0-20	
Chloroethane	50.00	55.34	111	50.03	100	60-120	50-130	10	0-20	
Chloroform	50.00	58.88	118	52.28	105	80-120	73-127	12	0-20	
Chloromethane	50.00	53.28	107	49.51	99	50-122	38-134	7	0-20	
2-Chlorotoluene	50.00	56.14	112	50.79	102	80-125	72-132	10	0-20	
4-Chlorotoluene	50.00	54.38	109	49.34	99	80-120	73-127	10	0-20	
Dibromochloromethane	50.00	60.84	122	55.39	111	70-130	60-140	9	0-20	
1,2-Dibromo-3-Chloropropane	50.00	62.07	124	58.96	118	54-132	41-145	5	0-20	
1,2-Dibromoethane	50.00	60.06	120	54.52	109	80-120	73-127	10	0-20	
Dibromomethane	50.00	56.62	113	51.70	103	80-122	73-129	9	0-20	
1,2-Dichlorobenzene	50.00	54.42	109	49.73	99	80-120	73-127	9	0-20	
1,3-Dichlorobenzene	50.00	54.27	109	49.02	98	80-120	73-127	10	0-20	
1,4-Dichlorobenzene	50.00	54.31	109	48.37	97	80-120	73-127	12	0-20	
Dichlorodifluoromethane	50.00	56.58	113	49.99	100	32-158	11-179	12	0-20	
1,1-Dichloroethane	50.00	59.09	118	52.78	106	74-120	66-128	11	0-20	
1,2-Dichloroethane	50.00	56.88	114	51.94	104	79-121	72-128	9	0-20	
1,1-Dichloroethene	50.00	57.02	114	50.84	102	71-125	62-134	11	0-20	
c-1,2-Dichloroethene	50.00	60.78	122	52.99	106	80-123	73-130	14	0-20	
t-1,2-Dichloroethene	50.00	60.08	120	52.29	105	80-120	73-127	14	0-20	
1,2-Dichloropropane	50.00	59.06	118	53.49	107	77-120	70-127	10	0-20	
1,3-Dichloropropane	50.00	57.91	116	52.50	105	80-120	73-127	10	0-20	
2,2-Dichloropropane	50.00	59.90	120	52.37	105	58-142	44-156	13	0-20	
1,1-Dichloropropene	50.00	59.34	119	52.00	104	69-120	60-128	13	0-20	

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - LCS/LCSD

Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

Date Received: 10/12/17
Work Order: 17-10-0916
Preparation: EPA 5035
Method: EPA 8260B

Project: 777 N. Front Street / HR1305D-01

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Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	ME CL	RPD	RPD CL	Qualifiers
c-1,3-Dichloropropene	50.00	60.44	121	55.13	110	74-128	65-137	9	0-20	ME
t-1,3-Dichloropropene	50.00	64.27	129	59.15	118	66-120	57-129	8	0-20	
Ethylbenzene	50.00	54.53	109	49.81	100	80-120	73-127	9	0-20	
2-Hexanone	50.00	60.26	121	54.61	109	67-151	53-165	10	0-20	
Isopropylbenzene	50.00	54.50	109	48.48	97	80-129	72-137	12	0-20	
p-Isopropyltoluene	50.00	55.30	111	48.48	97	80-122	73-129	13	0-20	
Methylene Chloride	50.00	59.84	120	53.83	108	72-120	64-128	11	0-20	
4-Methyl-2-Pentanone	50.00	60.58	121	56.04	112	72-126	63-135	8	0-20	
Naphthalene	50.00	57.06	114	52.39	105	64-124	54-134	9	0-20	
n-Propylbenzene	50.00	55.38	111	49.53	99	80-122	73-129	11	0-20	
Styrene	50.00	56.50	113	51.70	103	80-123	73-130	9	0-20	ME
1,1,1,2-Tetrachloroethane	50.00	63.06	126	57.27	115	73-133	63-143	10	0-20	
1,1,2,2-Tetrachloroethane	50.00	58.73	117	51.94	104	77-120	70-127	12	0-20	
Tetrachloroethene	50.00	53.18	106	46.19	92	75-123	67-131	14	0-20	
Toluene	50.00	53.65	107	48.43	97	80-120	73-127	10	0-20	
1,2,3-Trichlorobenzene	50.00	53.40	107	49.03	98	73-127	64-136	9	0-20	
1,2,4-Trichlorobenzene	50.00	56.25	113	50.57	101	74-128	65-137	11	0-20	
1,1,1-Trichloroethane	50.00	59.19	118	51.48	103	71-131	61-141	14	0-20	
1,1,2-Trichloroethane	50.00	60.19	120	54.10	108	80-120	73-127	11	0-20	
1,1,2-Trichloro-1,2,2-Trifluoroethane	50.00	57.34	115	50.76	102	77-125	69-133	12	0-20	
Trichloroethene	50.00	56.92	114	50.58	101	80-120	73-127	12	0-20	ME
Trichlorofluoromethane	50.00	60.41	121	53.22	106	70-136	59-147	13	0-20	
1,2,3-Trichloropropane	50.00	61.76	124	56.34	113	60-120	50-130	9	0-20	
1,2,4-Trimethylbenzene	50.00	53.41	107	47.60	95	75-123	67-131	12	0-20	
1,3,5-Trimethylbenzene	50.00	55.36	111	49.14	98	80-123	73-130	12	0-20	
Vinyl Acetate	50.00	54.90	110	50.20	100	51-159	33-177	9	0-20	
Vinyl Chloride	50.00	56.46	113	51.01	102	68-120	59-129	10	0-20	
p/m-Xylene	100.0	105.7	106	95.22	95	80-122	73-129	10	0-20	
o-Xylene	50.00	54.53	109	49.16	98	79-127	71-135	10	0-20	
Methyl-t-Butyl Ether (MTBE)	50.00	60.21	120	53.93	108	64-124	54-134	11	0-20	

Total number of LCS compounds: 66

Total number of ME compounds: 3

Total number of ME compounds allowed: 3

LCS ME CL validation result: Pass

RPD: Relative Percent Difference. CL: Control Limits



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Sample Analysis Summary Report

Work Order: 17-10-0916

Page 1 of 1

<u>Method</u>	<u>Extraction</u>	<u>Chemist ID</u>	<u>Instrument</u>	<u>Analytical Location</u>
EPA 8260B	EPA 5035	1120	GC/MS BB	2


Return to Contents

Location 2: 7445 Lampson Avenue, Garden Grove, CA 92841

Glossary of Terms and Qualifiers

Work Order: 17-10-0916

Page 1 of 1

<u>Qualifiers</u>	<u>Definition</u>
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control.
4	The MS/MSD RPD was out of control due to suspected matrix interference.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
BV	Sample received after holding time expired.
CI	See case narrative.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
JA	Analyte positively identified but quantitation is an estimate.
ME	LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean).
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.
	Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.
	Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.
	A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations.



Calscience

7440 Lincoln Way, Garden Grove, CA 92641-1427 • (714) 895-5494
For courier service / sample drop off information, contact us28_sales@eurofinsus.com or call us.

LABORATORY CLIENT:

ADDRESS: Geosyntec Consultants

CITY: 2100 Main St. #150 STATE: CA ZIP: 92648

TEL: Huntington Beach E-MAIL: JWharton@geosyntec.com

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):

☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☒ STANDARD

EDD ☐ COELT EDF ☐ OTHER

SPECIAL INSTRUCTIONS:

CHAIN-OF-CUSTODY RECORD

WO NO. / LAB USE ONLY

17-10-0916

Date 10/12/17

Page 1 of 1

CLIENT PROJECT NAME / NO.:

777 N. Front St.

PROJECT CONTACT:

Goodwin Wharton

GLOBAL ID:

LOG CODE:

SAMPLER(S): (PRINT)

G. Wharton / D. David

P.O. NO.:

HR130517-01

LAB CONTACT OR QUOTE NO.:

Stephen Nowak

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING		MATRIX	NO. OF CONT.	Field Filtered		Requested Analyses														
		DATE	TIME			Unpreserved	Preserved	TPH (g) ☐ GRO	TPH (d) ☐ DRO	TPH ☐ C6-C36 ☐ C6-C44	TPH	BTEX / MTBE ☐ 8260 ☐	VOCs (8260)	Oxygenates (8260)	Prep (5035) ☐ En Core ☐ Terra Core	SVOCs (8270)	Pesticides (8081)	PCBs (8082)	PAHs ☐ 8270 ☐ 8270 SIM	T22 Metals ☐ 6010/747X ☐ 6020/747X	Cr(VI) ☐ 7196 ☐ 7199 ☐ 218.6	
1	NP-5-18	10/11/17	16:05	S	4		X															
2	NP-5-36	10/14/17	16:30	S	4		X															
3	NP-5-45	10/14/17	16:50	S	4		X															
4	NP-5-56	10/14/17	17:00	S	4		X															
5	NP-8-18	10/12/17	09:10	S	4		X															
6	NP-8-24	10/12/17	09:50	S	4		X															
7	NP-8-42	10/12/17	10:25	S	4		X															
8	NP-8-59	10/12/17	10:40	S	4		X															
9	NP-8-81	10/12/17	11:45	S	4		X															
Relinquished by: (Signature) <u>Goodwin Wharton</u>						Received by: (Signature/Affiliation) <u>Jeff C. Cudde</u>						Date: <u>10/12/17</u> Time: <u>1406</u>										
Relinquished by: (Signature) <u>Goodwin Wharton</u>						Received by: (Signature/Affiliation) <u>Jeff C. Cudde</u>						Date: <u>10/12/17</u> Time: <u>1715</u>										
Relinquished by: (Signature)						Received by: (Signature/Affiliation)						Date: Time:										

SAMPLE RECEIPT CHECKLIST

COOLER 1 OF 1CLIENT: GeosyntecDATE: 10/12/2017

TEMPERATURE: (Criteria: 0.0°C – 6.0°C, not frozen except sediment/tissue)

Thermometer ID: SC6 (CF: -0.4°C); Temperature (w/o CF): 2.2 °C (w/ CF): 1.8 °C; ☒ Blank ☐ Sample☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____)☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling☐ Sample(s) received at ambient temperature; placed on ice for transport by courierAmbient Temperature: ☐ Air ☐ FilterChecked by: 1091

CUSTODY SEAL:

Cooler ☐ Present and Intact ☐ Present but Not Intact ☒ Not Present ☐ N/AChecked by: 1091Sample(s) ☐ Present and Intact ☐ Present but Not Intact ☒ Not Present ☐ N/AChecked by: 1140

SAMPLE CONDITION:

Chain-of-Custody (COC) document(s) received with samples ☒ Yes ☐ No ☐ N/ACOC document(s) received complete ☒ Yes ☐ No ☐ N/A☐ Sampling date ☐ Sampling time ☐ Matrix ☐ Number of containers☐ No analysis requested ☐ Not relinquished ☐ No relinquished date ☐ No relinquished timeSampler's name indicated on COC ☒ Yes ☐ No ☐ N/ASample container label(s) consistent with COC ☒ Yes ☐ No ☐ N/ASample container(s) intact and in good condition ☒ Yes ☐ No ☐ N/AProper containers for analyses requested ☒ Yes ☐ No ☐ N/ASufficient volume/mass for analyses requested ☒ Yes ☐ No ☐ N/ASamples received within holding time ☒ Yes ☐ No ☐ N/A

Aqueous samples for certain analyses received within 15-minute holding time

☐ pH ☐ Residual Chlorine ☐ Dissolved Sulfide ☐ Dissolved Oxygen ☐ Yes ☐ No ☒ N/AProper preservation chemical(s) noted on COC and/or sample container ☒ Yes ☐ No ☐ N/A

Unpreserved aqueous sample(s) received for certain analyses

☐ Volatile Organics ☐ Total Metals ☐ Dissolved MetalsAcid/base preserved samples - pH within acceptable range ☐ Yes ☐ No ☒ N/AContainer(s) for certain analysis free of headspace..... ☐ Yes ☐ No ☒ N/A☐ Volatile Organics ☐ Dissolved Gases (RSK-175) ☐ Dissolved Oxygen (SM 4500)☐ Carbon Dioxide (SM 4500) ☐ Ferrous Iron (SM 3500) ☐ Hydrogen Sulfide (Hach)Tedlar™ bag(s) free of condensation ☐ Yes ☐ No ☒ N/A

CONTAINER TYPE:

(Trip Blank Lot Number: _____)

Aqueous: ☐ VOA ☐ VOA_h ☐ VOA_{na2} ☐ 100PJ ☐ 100PJ_{na2} ☐ 125AGB ☐ 125AGB_h ☐ 125AGB_p ☐ 125PB ☐ 125PB_{znna} (pH__9)☐ 250AGB ☐ 250CGB ☐ 250CGBs (pH__2) ☐ 250PB ☐ 250PB_n (pH__2) ☐ 500AGB ☐ 500AGJ ☐ 500AGJs (pH__2) ☐ 500PB☐ 1AGB ☐ 1AGB_{na2} ☐ 1AGBs (pH__2) ☐ 1AGBs (O&G) ☐ 1PB ☐ 1PB_{na} (pH__12) ☐ _____ ☐ _____ ☐ _____Solid: ☐ 4ozCGJ ☐ 8ozCGJ ☐ 16ozCGJ ☐ Sleeve (____) ☐ EnCores® (____) ☒ TerraCores® (3) ☒ 2 oz PT ☐ _____ ☐ _____Air: ☐ Tedlar™ ☐ Canister ☐ Sorbent Tube ☐ PUF ☐ _____ Other Matrix (____): ☐ _____ ☐ _____ ☐ _____

Container: A = Amber, B = Bottle, C = Clear, E = Envelope, G = Glass, J = Jar, P = Plastic, and Z = Ziploc/Resealable Bag

Preservative: b = buffered, f = filtered, h = HCl, n = HNO₃, na = NaOH, na₂ = Na₂S₂O₃, p = H₃PO₄, Labeled/Checked by: 1140s = H₂SO₄, u = ultra-pure, x = Na₂SO₃+NaHSO₄.H₂O, znna = Zn (CH₃CO₂)₂ + NaOHReviewed by: 728



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Supplemental Report 1

The original report has been revised/corrected.



WORK ORDER NUMBER: 17-10-1049

The difference is service



AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: Geosyntec Consultants

Client Project Name: 777 N. Front Street / HR1305D-01

Attention: Goodwin Wharton
2100 Main Street
Suite 150
Huntington Beach, CA 92648-2460

Approved for release on 11/03/2017 by:
Stephen Nowak
Project Manager

ResultLink ▶

Email your PM ▶

Eurofins Calscience, Inc. (Calscience) certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any defense to any litigation which may arise.

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 Work Order Number: 17-10-1049

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Work Order: 17-10-1049Page 1 of 1

Condition Upon Receipt:

Samples were received under Chain-of-Custody (COC) on 10/13/17. They were assigned to Work Order 17-10-1049.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

Holding Times:

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of ≤ 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

Quality Control:

All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

Subcontractor Information:

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.

Additional Comments:

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.



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Sample Summary

Client: Geosyntec Consultants	Work Order: 17-10-1049
2100 Main Street, Suite 150	Project Name: 777 N. Front Street / HR1305D-01
Huntington Beach, CA 92648-2460	PO Number:
	Date/Time Received: 10/13/17 17:50
	Number of Containers: 34

Attn: Goodwin Wharton

Sample Identification	Lab Number	Collection Date and Time	Number of Containers	Matrix
NP-7-22	17-10-1049-1	10/12/17 16:15	4	Solid
NP-7-34	17-10-1049-2	10/12/17 16:35	4	Solid
NP-7-49	17-10-1049-3	10/12/17 17:05	4	Solid
NP-6-16	17-10-1049-4	10/13/17 08:20	4	Solid
NP-6-26	17-10-1049-5	10/13/17 08:45	4	Solid
NP-6-40	17-10-1049-6	10/13/17 09:05	4	Solid
NP-6-55	17-10-1049-7	10/13/17 09:55	4	Solid
NP-6-88	17-10-1049-8	10/13/17 10:30	4	Solid
EB-NP-6	17-10-1049-9	10/13/17 12:05	2	Aqueous


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Detections Summary

Client: Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

Work Order: 17-10-1049
Project Name: 777 N. Front Street / HR1305D-01
Received: 10/13/17

Attn: Goodwin Wharton

Page 1 of 1

Client SampleID

<u>Analyte</u>	<u>Result</u>	<u>Qualifiers</u>	<u>RL</u>	<u>Units</u>	<u>Method</u>	<u>Extraction</u>
NP-7-22 (17-10-1049-1)						
Acetone	23	J	5.5*	ug/kg	EPA 8260B	EPA 5035
NP-7-34 (17-10-1049-2)						
Acetone	21	J	6.1*	ug/kg	EPA 8260B	EPA 5035
Benzene	0.32	J	0.13*	ug/kg	EPA 8260B	EPA 5035
NP-7-49 (17-10-1049-3)						
Acetone	16	J	5.4*	ug/kg	EPA 8260B	EPA 5035
NP-6-16 (17-10-1049-4)						
Acetone	22	J	5.1*	ug/kg	EPA 8260B	EPA 5035
NP-6-26 (17-10-1049-5)						
Acetone	8.2	J	5.6*	ug/kg	EPA 8260B	EPA 5035
NP-6-40 (17-10-1049-6)						
Acetone	15	J	5.6*	ug/kg	EPA 8260B	EPA 5035
NP-6-55 (17-10-1049-7)						
Acetone	11	J	6.2*	ug/kg	EPA 8260B	EPA 5035
NP-6-88 (17-10-1049-8)						
Acetone	56	J	7.1*	ug/kg	EPA 8260B	EPA 5035
Benzene	0.16	J	0.15*	ug/kg	EPA 8260B	EPA 5035
2-Butanone	14	J	4.3*	ug/kg	EPA 8260B	EPA 5035

Subcontracted analyses, if any, are not included in this summary.

* MDL is shown



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Analytical Report

Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

Date Received: 10/13/17
Work Order: 17-10-1049
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Project: 777 N. Front Street / HR1305D-01

Page 1 of 4

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
EB-NP-6	17-10-1049-9-A	10/13/17 12:05	Aqueous	GC/MS JJ	10/16/17	10/16/17 16:09	171016L013

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	20	1.00	
Benzene	ND	0.50	1.00	
Bromobenzene	ND	1.0	1.00	
Bromochloromethane	ND	1.0	1.00	
Bromodichloromethane	ND	1.0	1.00	
Bromoform	ND	1.0	1.00	
Bromomethane	ND	10	1.00	
2-Butanone	ND	10	1.00	
n-Butylbenzene	ND	1.0	1.00	
sec-Butylbenzene	ND	1.0	1.00	
tert-Butylbenzene	ND	1.0	1.00	
Carbon Disulfide	ND	10	1.00	
Carbon Tetrachloride	ND	0.50	1.00	
Chlorobenzene	ND	1.0	1.00	
Chloroethane	ND	5.0	1.00	
Chloroform	ND	1.0	1.00	
Chloromethane	ND	10	1.00	
2-Chlorotoluene	ND	1.0	1.00	
4-Chlorotoluene	ND	1.0	1.00	
Dibromochloromethane	ND	1.0	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.00	
1,2-Dibromoethane	ND	1.0	1.00	
Dibromomethane	ND	1.0	1.00	
1,2-Dichlorobenzene	ND	1.0	1.00	
1,3-Dichlorobenzene	ND	1.0	1.00	
1,4-Dichlorobenzene	ND	1.0	1.00	
Dichlorodifluoromethane	ND	1.0	1.00	
1,1-Dichloroethane	ND	1.0	1.00	
1,2-Dichloroethane	ND	0.50	1.00	
1,1-Dichloroethene	ND	1.0	1.00	
c-1,2-Dichloroethene	ND	1.0	1.00	
t-1,2-Dichloroethene	ND	1.0	1.00	
1,2-Dichloropropane	ND	1.0	1.00	
1,3-Dichloropropane	ND	1.0	1.00	
2,2-Dichloropropane	ND	1.0	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



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Analytical Report

Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

Date Received: 10/13/17
Work Order: 17-10-1049
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Project: 777 N. Front Street / HR1305D-01

Page 2 of 4

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
1,1-Dichloropropene	ND	1.0	1.00	
c-1,3-Dichloropropene	ND	0.50	1.00	
t-1,3-Dichloropropene	ND	0.50	1.00	
Ethylbenzene	ND	1.0	1.00	
2-Hexanone	ND	10	1.00	
Isopropylbenzene	ND	1.0	1.00	
p-Isopropyltoluene	ND	1.0	1.00	
Methylene Chloride	ND	10	1.00	
4-Methyl-2-Pentanone	ND	10	1.00	
Naphthalene	ND	10	1.00	
n-Propylbenzene	ND	1.0	1.00	
Styrene	ND	1.0	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	1.00	
Tetrachloroethene	ND	1.0	1.00	
Toluene	ND	1.0	1.00	
1,2,3-Trichlorobenzene	ND	1.0	1.00	
1,2,4-Trichlorobenzene	ND	1.0	1.00	
1,1,1-Trichloroethane	ND	1.0	1.00	
Hexachloro-1,3-Butadiene	ND	20	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1.00	
1,1,2-Trichloroethane	ND	1.0	1.00	
Trichloroethene	ND	1.0	1.00	
Trichlorofluoromethane	ND	10	1.00	
1,2,3-Trichloropropane	ND	5.0	1.00	
1,2,4-Trimethylbenzene	ND	1.0	1.00	
1,3,5-Trimethylbenzene	ND	1.0	1.00	
Vinyl Acetate	ND	10	1.00	
Vinyl Chloride	ND	0.50	1.00	
p/m-Xylene	ND	1.0	1.00	
o-Xylene	ND	1.0	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	102	78-120	
Dibromofluoromethane	103	80-126	
1,2-Dichloroethane-d4	107	80-129	
Toluene-d8	102	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



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Analytical Report

Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

Date Received: 10/13/17
Work Order: 17-10-1049
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Project: 777 N. Front Street / HR1305D-01

Page 3 of 4

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-14-316-3679	N/A	Aqueous	GC/MS JJ	10/16/17	10/16/17 11:20	171016L013

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	20	1.00	
Benzene	ND	0.50	1.00	
Bromobenzene	ND	1.0	1.00	
Bromochloromethane	ND	1.0	1.00	
Bromodichloromethane	ND	1.0	1.00	
Bromoform	ND	1.0	1.00	
Bromomethane	ND	10	1.00	
2-Butanone	ND	10	1.00	
n-Butylbenzene	ND	1.0	1.00	
sec-Butylbenzene	ND	1.0	1.00	
tert-Butylbenzene	ND	1.0	1.00	
Carbon Disulfide	ND	10	1.00	
Carbon Tetrachloride	ND	0.50	1.00	
Chlorobenzene	ND	1.0	1.00	
Chloroethane	ND	5.0	1.00	
Chloroform	ND	1.0	1.00	
Chloromethane	ND	10	1.00	
2-Chlorotoluene	ND	1.0	1.00	
4-Chlorotoluene	ND	1.0	1.00	
Dibromochloromethane	ND	1.0	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.00	
1,2-Dibromoethane	ND	1.0	1.00	
Dibromomethane	ND	1.0	1.00	
1,2-Dichlorobenzene	ND	1.0	1.00	
1,3-Dichlorobenzene	ND	1.0	1.00	
1,4-Dichlorobenzene	ND	1.0	1.00	
Dichlorodifluoromethane	ND	1.0	1.00	
1,1-Dichloroethane	ND	1.0	1.00	
1,2-Dichloroethane	ND	0.50	1.00	
1,1-Dichloroethene	ND	1.0	1.00	
c-1,2-Dichloroethene	ND	1.0	1.00	
t-1,2-Dichloroethene	ND	1.0	1.00	
1,2-Dichloropropane	ND	1.0	1.00	
1,3-Dichloropropane	ND	1.0	1.00	
2,2-Dichloropropane	ND	1.0	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

Date Received: 10/13/17
Work Order: 17-10-1049
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Project: 777 N. Front Street / HR1305D-01

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<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
1,1-Dichloropropene	ND	1.0	1.00	
c-1,3-Dichloropropene	ND	0.50	1.00	
t-1,3-Dichloropropene	ND	0.50	1.00	
Ethylbenzene	ND	1.0	1.00	
2-Hexanone	ND	10	1.00	
Isopropylbenzene	ND	1.0	1.00	
p-Isopropyltoluene	ND	1.0	1.00	
Methylene Chloride	ND	10	1.00	
4-Methyl-2-Pentanone	ND	10	1.00	
Naphthalene	ND	10	1.00	
n-Propylbenzene	ND	1.0	1.00	
Styrene	ND	1.0	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	1.00	
Tetrachloroethene	ND	1.0	1.00	
Toluene	ND	1.0	1.00	
1,2,3-Trichlorobenzene	ND	1.0	1.00	
1,2,4-Trichlorobenzene	ND	1.0	1.00	
1,1,1-Trichloroethane	ND	1.0	1.00	
Hexachloro-1,3-Butadiene	ND	20	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1.00	
1,1,2-Trichloroethane	ND	1.0	1.00	
Trichloroethene	ND	1.0	1.00	
Trichlorofluoromethane	ND	10	1.00	
1,2,3-Trichloropropane	ND	5.0	1.00	
1,2,4-Trimethylbenzene	ND	1.0	1.00	
1,3,5-Trimethylbenzene	ND	1.0	1.00	
Vinyl Acetate	ND	10	1.00	
Vinyl Chloride	ND	0.50	1.00	
p/m-Xylene	ND	1.0	1.00	
o-Xylene	ND	1.0	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	104	78-120	
Dibromofluoromethane	104	80-126	
1,2-Dichloroethane-d4	107	80-129	
Toluene-d8	100	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

Date Received: 10/13/17
Work Order: 17-10-1049
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: 777 N. Front Street / HR1305D-01

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
NP-7-22	17-10-1049-1-C	10/12/17 16:15	Solid	GC/MS BB	10/12/17	10/18/17 01:14	171017L013

Comment(s): - Results were evaluated to the MDL (DL), concentrations $\geq$ to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	23	44	5.5	1.00	J
Benzene	ND	0.89	0.12	1.00	
Bromobenzene	ND	0.89	0.19	1.00	
Bromochloromethane	ND	1.8	0.61	1.00	
Bromodichloromethane	ND	0.89	0.21	1.00	
Bromoform	ND	4.4	0.70	1.00	
Bromomethane	ND	18	8.4	1.00	
2-Butanone	ND	18	3.3	1.00	
n-Butylbenzene	ND	0.89	0.14	1.00	
sec-Butylbenzene	ND	0.89	0.51	1.00	
tert-Butylbenzene	ND	0.89	0.13	1.00	
Carbon Disulfide	ND	8.9	0.27	1.00	
Carbon Tetrachloride	ND	0.89	0.25	1.00	
Chlorobenzene	ND	0.89	0.20	1.00	
Chloroethane	ND	1.8	1.3	1.00	
Chloroform	ND	0.89	0.21	1.00	
Chloromethane	ND	18	0.27	1.00	
2-Chlorotoluene	ND	0.89	0.21	1.00	
4-Chlorotoluene	ND	0.89	0.19	1.00	
Dibromochloromethane	ND	1.8	0.51	1.00	
1,2-Dibromo-3-Chloropropane	ND	4.4	1.5	1.00	
1,2-Dibromoethane	ND	0.89	0.23	1.00	
Dibromomethane	ND	0.89	0.69	1.00	
1,2-Dichlorobenzene	ND	0.89	0.20	1.00	
1,3-Dichlorobenzene	ND	0.89	0.16	1.00	
1,4-Dichlorobenzene	ND	0.89	0.20	1.00	
Dichlorodifluoromethane	ND	1.8	0.39	1.00	
1,1-Dichloroethane	ND	0.89	0.19	1.00	
1,2-Dichloroethane	ND	0.89	0.28	1.00	
1,1-Dichloroethene	ND	0.89	0.31	1.00	
c-1,2-Dichloroethene	ND	0.89	0.25	1.00	
t-1,2-Dichloroethene	ND	0.89	0.45	1.00	
1,2-Dichloropropane	ND	0.89	0.39	1.00	
1,3-Dichloropropane	ND	0.89	0.22	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

Date Received: 10/13/17
Work Order: 17-10-1049
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: 777 N. Front Street / HR1305D-01

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<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>MDL</u>	<u>DF</u>	<u>Qualifiers</u>
2,2-Dichloropropane	ND	4.4	0.29	1.00	
1,1-Dichloropropene	ND	1.8	0.29	1.00	
c-1,3-Dichloropropene	ND	0.89	0.23	1.00	
t-1,3-Dichloropropene	ND	1.8	0.54	1.00	
Ethylbenzene	ND	0.89	0.13	1.00	
2-Hexanone	ND	18	1.6	1.00	
Isopropylbenzene	ND	0.89	0.48	1.00	
p-Isopropyltoluene	ND	0.89	0.56	1.00	
Methylene Chloride	ND	8.9	1.2	1.00	
4-Methyl-2-Pentanone	ND	18	3.8	1.00	
Naphthalene	ND	8.9	0.72	1.00	
n-Propylbenzene	ND	1.8	0.44	1.00	
Styrene	ND	0.89	0.54	1.00	
1,1,1,2-Tetrachloroethane	ND	0.89	0.21	1.00	
1,1,2,2-Tetrachloroethane	ND	1.8	0.31	1.00	
Tetrachloroethene	ND	0.89	0.19	1.00	
Toluene	ND	0.89	0.46	1.00	
1,2,3-Trichlorobenzene	ND	1.8	0.81	1.00	
1,2,4-Trichlorobenzene	ND	1.8	0.28	1.00	
1,1,1-Trichloroethane	ND	0.89	0.20	1.00	
1,1,2-Trichloroethane	ND	0.89	0.31	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	8.9	0.31	1.00	
Trichloroethene	ND	1.8	0.27	1.00	
Trichlorofluoromethane	ND	8.9	0.33	1.00	
1,2,3-Trichloropropane	ND	1.8	0.74	1.00	
1,2,4-Trimethylbenzene	ND	1.8	0.52	1.00	
1,3,5-Trimethylbenzene	ND	1.8	0.49	1.00	
Vinyl Acetate	ND	8.9	4.2	1.00	
Vinyl Chloride	ND	0.89	0.45	1.00	
p/m-Xylene	ND	1.8	0.24	1.00	
o-Xylene	ND	0.89	0.49	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.8	0.26	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	99	80-120	
Dibromofluoromethane	128	79-133	
1,2-Dichloroethane-d4	152	71-155	
Toluene-d8	103	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

Date Received: 10/13/17
Work Order: 17-10-1049
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: 777 N. Front Street / HR1305D-01

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
NP-7-34	17-10-1049-2-C	10/12/17 16:35	Solid	GC/MS BB	10/12/17	10/18/17 01:43	171017L013

Comment(s): - Results were evaluated to the MDL (DL), concentrations $\geq$ to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	21	49	6.1	1.00	J
Benzene	0.32	0.97	0.13	1.00	J
Bromobenzene	ND	0.97	0.20	1.00	
Bromochloromethane	ND	1.9	0.67	1.00	
Bromodichloromethane	ND	0.97	0.23	1.00	
Bromoform	ND	4.9	0.77	1.00	
Bromomethane	ND	19	9.2	1.00	
2-Butanone	ND	19	3.7	1.00	
n-Butylbenzene	ND	0.97	0.15	1.00	
sec-Butylbenzene	ND	0.97	0.56	1.00	
tert-Butylbenzene	ND	0.97	0.15	1.00	
Carbon Disulfide	ND	9.7	0.30	1.00	
Carbon Tetrachloride	ND	0.97	0.28	1.00	
Chlorobenzene	ND	0.97	0.22	1.00	
Chloroethane	ND	1.9	1.5	1.00	
Chloroform	ND	0.97	0.23	1.00	
Chloromethane	ND	19	0.30	1.00	
2-Chlorotoluene	ND	0.97	0.23	1.00	
4-Chlorotoluene	ND	0.97	0.21	1.00	
Dibromochloromethane	ND	1.9	0.55	1.00	
1,2-Dibromo-3-Chloropropane	ND	4.9	1.7	1.00	
1,2-Dibromoethane	ND	0.97	0.25	1.00	
Dibromomethane	ND	0.97	0.75	1.00	
1,2-Dichlorobenzene	ND	0.97	0.22	1.00	
1,3-Dichlorobenzene	ND	0.97	0.17	1.00	
1,4-Dichlorobenzene	ND	0.97	0.22	1.00	
Dichlorodifluoromethane	ND	1.9	0.43	1.00	
1,1-Dichloroethane	ND	0.97	0.21	1.00	
1,2-Dichloroethane	ND	0.97	0.31	1.00	
1,1-Dichloroethene	ND	0.97	0.34	1.00	
c-1,2-Dichloroethene	ND	0.97	0.27	1.00	
t-1,2-Dichloroethene	ND	0.97	0.49	1.00	
1,2-Dichloropropane	ND	0.97	0.43	1.00	
1,3-Dichloropropane	ND	0.97	0.25	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

Date Received: 10/13/17
Work Order: 17-10-1049
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: 777 N. Front Street / HR1305D-01

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<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>MDL</u>	<u>DF</u>	<u>Qualifiers</u>
2,2-Dichloropropane	ND	4.9	0.32	1.00	
1,1-Dichloropropene	ND	1.9	0.32	1.00	
c-1,3-Dichloropropene	ND	0.97	0.25	1.00	
t-1,3-Dichloropropene	ND	1.9	0.59	1.00	
Ethylbenzene	ND	0.97	0.15	1.00	
2-Hexanone	ND	19	1.7	1.00	
Isopropylbenzene	ND	0.97	0.53	1.00	
p-Isopropyltoluene	ND	0.97	0.61	1.00	
Methylene Chloride	ND	9.7	1.3	1.00	
4-Methyl-2-Pentanone	ND	19	4.2	1.00	
Naphthalene	ND	9.7	0.79	1.00	
n-Propylbenzene	ND	1.9	0.49	1.00	
Styrene	ND	0.97	0.59	1.00	
1,1,1,2-Tetrachloroethane	ND	0.97	0.23	1.00	
1,1,2,2-Tetrachloroethane	ND	1.9	0.34	1.00	
Tetrachloroethene	ND	0.97	0.20	1.00	
Toluene	ND	0.97	0.50	1.00	
1,2,3-Trichlorobenzene	ND	1.9	0.89	1.00	
1,2,4-Trichlorobenzene	ND	1.9	0.30	1.00	
1,1,1-Trichloroethane	ND	0.97	0.22	1.00	
1,1,2-Trichloroethane	ND	0.97	0.34	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	9.7	0.34	1.00	
Trichloroethene	ND	1.9	0.29	1.00	
Trichlorofluoromethane	ND	9.7	0.36	1.00	
1,2,3-Trichloropropane	ND	1.9	0.81	1.00	
1,2,4-Trimethylbenzene	ND	1.9	0.57	1.00	
1,3,5-Trimethylbenzene	ND	1.9	0.53	1.00	
Vinyl Acetate	ND	9.7	4.6	1.00	
Vinyl Chloride	ND	0.97	0.49	1.00	
p/m-Xylene	ND	1.9	0.26	1.00	
o-Xylene	ND	0.97	0.54	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.9	0.29	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	97	80-120	
Dibromofluoromethane	109	79-133	
1,2-Dichloroethane-d4	128	71-155	
Toluene-d8	104	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

Date Received: 10/13/17
Work Order: 17-10-1049
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: 777 N. Front Street / HR1305D-01

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
NP-7-49	17-10-1049-3-C	10/12/17 17:05	Solid	GC/MS BB	10/12/17	10/18/17 02:12	171017L013

Comment(s): - Results were evaluated to the MDL (DL), concentrations $\geq$ to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	16	43	5.4	1.00	J
Benzene	ND	0.86	0.11	1.00	
Bromobenzene	ND	0.86	0.18	1.00	
Bromochloromethane	ND	1.7	0.59	1.00	
Bromodichloromethane	ND	0.86	0.20	1.00	
Bromoform	ND	4.3	0.68	1.00	
Bromomethane	ND	17	8.1	1.00	
2-Butanone	ND	17	3.2	1.00	
n-Butylbenzene	ND	0.86	0.13	1.00	
sec-Butylbenzene	ND	0.86	0.50	1.00	
tert-Butylbenzene	ND	0.86	0.13	1.00	
Carbon Disulfide	ND	8.6	0.26	1.00	
Carbon Tetrachloride	ND	0.86	0.24	1.00	
Chlorobenzene	ND	0.86	0.19	1.00	
Chloroethane	ND	1.7	1.3	1.00	
Chloroform	ND	0.86	0.20	1.00	
Chloromethane	ND	17	0.26	1.00	
2-Chlorotoluene	ND	0.86	0.20	1.00	
4-Chlorotoluene	ND	0.86	0.18	1.00	
Dibromochloromethane	ND	1.7	0.49	1.00	
1,2-Dibromo-3-Chloropropane	ND	4.3	1.5	1.00	
1,2-Dibromoethane	ND	0.86	0.22	1.00	
Dibromomethane	ND	0.86	0.66	1.00	
1,2-Dichlorobenzene	ND	0.86	0.20	1.00	
1,3-Dichlorobenzene	ND	0.86	0.15	1.00	
1,4-Dichlorobenzene	ND	0.86	0.19	1.00	
Dichlorodifluoromethane	ND	1.7	0.38	1.00	
1,1-Dichloroethane	ND	0.86	0.18	1.00	
1,2-Dichloroethane	ND	0.86	0.27	1.00	
1,1-Dichloroethene	ND	0.86	0.30	1.00	
c-1,2-Dichloroethene	ND	0.86	0.24	1.00	
t-1,2-Dichloroethene	ND	0.86	0.43	1.00	
1,2-Dichloropropane	ND	0.86	0.38	1.00	
1,3-Dichloropropane	ND	0.86	0.22	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

Date Received: 10/13/17
Work Order: 17-10-1049
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: 777 N. Front Street / HR1305D-01

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<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>MDL</u>	<u>DF</u>	<u>Qualifiers</u>
2,2-Dichloropropane	ND	4.3	0.28	1.00	
1,1-Dichloropropene	ND	1.7	0.28	1.00	
c-1,3-Dichloropropene	ND	0.86	0.22	1.00	
t-1,3-Dichloropropene	ND	1.7	0.52	1.00	
Ethylbenzene	ND	0.86	0.13	1.00	
2-Hexanone	ND	17	1.5	1.00	
Isopropylbenzene	ND	0.86	0.47	1.00	
p-Isopropyltoluene	ND	0.86	0.54	1.00	
Methylene Chloride	ND	8.6	1.1	1.00	
4-Methyl-2-Pentanone	ND	17	3.7	1.00	
Naphthalene	ND	8.6	0.70	1.00	
n-Propylbenzene	ND	1.7	0.43	1.00	
Styrene	ND	0.86	0.52	1.00	
1,1,1,2-Tetrachloroethane	ND	0.86	0.21	1.00	
1,1,2,2-Tetrachloroethane	ND	1.7	0.30	1.00	
Tetrachloroethene	ND	0.86	0.18	1.00	
Toluene	ND	0.86	0.44	1.00	
1,2,3-Trichlorobenzene	ND	1.7	0.78	1.00	
1,2,4-Trichlorobenzene	ND	1.7	0.27	1.00	
1,1,1-Trichloroethane	ND	0.86	0.19	1.00	
1,1,2-Trichloroethane	ND	0.86	0.30	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	8.6	0.30	1.00	
Trichloroethene	ND	1.7	0.26	1.00	
Trichlorofluoromethane	ND	8.6	0.32	1.00	
1,2,3-Trichloropropane	ND	1.7	0.71	1.00	
1,2,4-Trimethylbenzene	ND	1.7	0.50	1.00	
1,3,5-Trimethylbenzene	ND	1.7	0.47	1.00	
Vinyl Acetate	ND	8.6	4.1	1.00	
Vinyl Chloride	ND	0.86	0.43	1.00	
p/m-Xylene	ND	1.7	0.23	1.00	
o-Xylene	ND	0.86	0.48	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.7	0.25	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	102	80-120	
Dibromofluoromethane	119	79-133	
1,2-Dichloroethane-d4	146	71-155	
Toluene-d8	104	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

Date Received: 10/13/17
Work Order: 17-10-1049
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: 777 N. Front Street / HR1305D-01

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
NP-6-16	17-10-1049-4-D	10/13/17 08:20	Solid	GC/MS BB	10/13/17	10/18/17 23:09	171018L014

Comment(s): - Results were evaluated to the MDL (DL), concentrations $\geq$ to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	22	41	5.1	1.00	J
Benzene	ND	0.82	0.11	1.00	
Bromobenzene	ND	0.82	0.17	1.00	
Bromochloromethane	ND	1.6	0.56	1.00	
Bromodichloromethane	ND	0.82	0.19	1.00	
Bromoform	ND	4.1	0.65	1.00	
Bromomethane	ND	16	7.7	1.00	
2-Butanone	ND	16	3.1	1.00	
n-Butylbenzene	ND	0.82	0.13	1.00	
sec-Butylbenzene	ND	0.82	0.47	1.00	
tert-Butylbenzene	ND	0.82	0.12	1.00	
Carbon Disulfide	ND	8.2	0.25	1.00	
Carbon Tetrachloride	ND	0.82	0.23	1.00	
Chlorobenzene	ND	0.82	0.18	1.00	
Chloroethane	ND	1.6	1.2	1.00	
Chloroform	ND	0.82	0.20	1.00	
Chloromethane	ND	16	0.25	1.00	
2-Chlorotoluene	ND	0.82	0.19	1.00	
4-Chlorotoluene	ND	0.82	0.17	1.00	
Dibromochloromethane	ND	1.6	0.47	1.00	
1,2-Dibromo-3-Chloropropane	ND	4.1	1.4	1.00	
1,2-Dibromoethane	ND	0.82	0.21	1.00	
Dibromomethane	ND	0.82	0.63	1.00	
1,2-Dichlorobenzene	ND	0.82	0.19	1.00	
1,3-Dichlorobenzene	ND	0.82	0.14	1.00	
1,4-Dichlorobenzene	ND	0.82	0.18	1.00	
Dichlorodifluoromethane	ND	1.6	0.36	1.00	
1,1-Dichloroethane	ND	0.82	0.17	1.00	
1,2-Dichloroethane	ND	0.82	0.26	1.00	
1,1-Dichloroethene	ND	0.82	0.28	1.00	
c-1,2-Dichloroethene	ND	0.82	0.23	1.00	
t-1,2-Dichloroethene	ND	0.82	0.41	1.00	
1,2-Dichloropropane	ND	0.82	0.36	1.00	
1,3-Dichloropropane	ND	0.82	0.21	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



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Analytical Report

Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

Date Received: 10/13/17
Work Order: 17-10-1049
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: 777 N. Front Street / HR1305D-01

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<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>MDL</u>	<u>DF</u>	<u>Qualifiers</u>
2,2-Dichloropropane	ND	4.1	0.27	1.00	
1,1-Dichloropropene	ND	1.6	0.27	1.00	
c-1,3-Dichloropropene	ND	0.82	0.21	1.00	
t-1,3-Dichloropropene	ND	1.6	0.50	1.00	
Ethylbenzene	ND	0.82	0.12	1.00	
2-Hexanone	ND	16	1.4	1.00	
Isopropylbenzene	ND	0.82	0.45	1.00	
p-Isopropyltoluene	ND	0.82	0.52	1.00	
Methylene Chloride	ND	8.2	1.1	1.00	
4-Methyl-2-Pentanone	ND	16	3.5	1.00	
Naphthalene	ND	8.2	0.67	1.00	
n-Propylbenzene	ND	1.6	0.41	1.00	
Styrene	ND	0.82	0.49	1.00	
1,1,1,2-Tetrachloroethane	ND	0.82	0.20	1.00	
1,1,2,2-Tetrachloroethane	ND	1.6	0.28	1.00	
Tetrachloroethene	ND	0.82	0.17	1.00	
Toluene	ND	0.82	0.42	1.00	
1,2,3-Trichlorobenzene	ND	1.6	0.75	1.00	
1,2,4-Trichlorobenzene	ND	1.6	0.25	1.00	
1,1,1-Trichloroethane	ND	0.82	0.18	1.00	
1,1,2-Trichloroethane	ND	0.82	0.29	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	8.2	0.29	1.00	
Trichloroethene	ND	1.6	0.25	1.00	
Trichlorofluoromethane	ND	8.2	0.31	1.00	
1,2,3-Trichloropropane	ND	1.6	0.68	1.00	
1,2,4-Trimethylbenzene	ND	1.6	0.48	1.00	
1,3,5-Trimethylbenzene	ND	1.6	0.45	1.00	
Vinyl Acetate	ND	8.2	3.9	1.00	
Vinyl Chloride	ND	0.82	0.41	1.00	
p/m-Xylene	ND	1.6	0.22	1.00	
o-Xylene	ND	0.82	0.46	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.6	0.24	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	97	80-120	
Dibromofluoromethane	110	79-133	
1,2-Dichloroethane-d4	126	71-155	
Toluene-d8	101	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



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Analytical Report

Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

Date Received: 10/13/17
Work Order: 17-10-1049
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: 777 N. Front Street / HR1305D-01

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
NP-6-26	17-10-1049-5-C	10/13/17 08:45	Solid	GC/MS BB	10/13/17	10/18/17 03:09	171017L013

Comment(s): - Results were evaluated to the MDL (DL), concentrations $\geq$ to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	8.2	45	5.6	1.00	J
Benzene	ND	0.90	0.12	1.00	
Bromobenzene	ND	0.90	0.19	1.00	
Bromochloromethane	ND	1.8	0.62	1.00	
Bromodichloromethane	ND	0.90	0.21	1.00	
Bromoform	ND	4.5	0.72	1.00	
Bromomethane	ND	18	8.5	1.00	
2-Butanone	ND	18	3.4	1.00	
n-Butylbenzene	ND	0.90	0.14	1.00	
sec-Butylbenzene	ND	0.90	0.52	1.00	
tert-Butylbenzene	ND	0.90	0.14	1.00	
Carbon Disulfide	ND	9.0	0.28	1.00	
Carbon Tetrachloride	ND	0.90	0.26	1.00	
Chlorobenzene	ND	0.90	0.20	1.00	
Chloroethane	ND	1.8	1.3	1.00	
Chloroform	ND	0.90	0.22	1.00	
Chloromethane	ND	18	0.27	1.00	
2-Chlorotoluene	ND	0.90	0.21	1.00	
4-Chlorotoluene	ND	0.90	0.19	1.00	
Dibromochloromethane	ND	1.8	0.51	1.00	
1,2-Dibromo-3-Chloropropane	ND	4.5	1.6	1.00	
1,2-Dibromoethane	ND	0.90	0.23	1.00	
Dibromomethane	ND	0.90	0.70	1.00	
1,2-Dichlorobenzene	ND	0.90	0.21	1.00	
1,3-Dichlorobenzene	ND	0.90	0.16	1.00	
1,4-Dichlorobenzene	ND	0.90	0.20	1.00	
Dichlorodifluoromethane	ND	1.8	0.40	1.00	
1,1-Dichloroethane	ND	0.90	0.19	1.00	
1,2-Dichloroethane	ND	0.90	0.28	1.00	
1,1-Dichloroethene	ND	0.90	0.31	1.00	
c-1,2-Dichloroethene	ND	0.90	0.25	1.00	
t-1,2-Dichloroethene	ND	0.90	0.46	1.00	
1,2-Dichloropropane	ND	0.90	0.40	1.00	
1,3-Dichloropropane	ND	0.90	0.23	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

Date Received: 10/13/17
Work Order: 17-10-1049
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: 777 N. Front Street / HR1305D-01

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<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>MDL</u>	<u>DF</u>	<u>Qualifiers</u>
2,2-Dichloropropane	ND	4.5	0.30	1.00	
1,1-Dichloropropene	ND	1.8	0.30	1.00	
c-1,3-Dichloropropene	ND	0.90	0.23	1.00	
t-1,3-Dichloropropene	ND	1.8	0.55	1.00	
Ethylbenzene	ND	0.90	0.14	1.00	
2-Hexanone	ND	18	1.6	1.00	
Isopropylbenzene	ND	0.90	0.49	1.00	
p-Isopropyltoluene	ND	0.90	0.57	1.00	
Methylene Chloride	ND	9.0	1.2	1.00	
4-Methyl-2-Pentanone	ND	18	3.9	1.00	
Naphthalene	ND	9.0	0.73	1.00	
n-Propylbenzene	ND	1.8	0.45	1.00	
Styrene	ND	0.90	0.55	1.00	
1,1,1,2-Tetrachloroethane	ND	0.90	0.22	1.00	
1,1,2,2-Tetrachloroethane	ND	1.8	0.31	1.00	
Tetrachloroethene	ND	0.90	0.19	1.00	
Toluene	ND	0.90	0.46	1.00	
1,2,3-Trichlorobenzene	ND	1.8	0.82	1.00	
1,2,4-Trichlorobenzene	ND	1.8	0.28	1.00	
1,1,1-Trichloroethane	ND	0.90	0.20	1.00	
1,1,2-Trichloroethane	ND	0.90	0.32	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	9.0	0.32	1.00	
Trichloroethene	ND	1.8	0.27	1.00	
Trichlorofluoromethane	ND	9.0	0.34	1.00	
1,2,3-Trichloropropane	ND	1.8	0.75	1.00	
1,2,4-Trimethylbenzene	ND	1.8	0.53	1.00	
1,3,5-Trimethylbenzene	ND	1.8	0.50	1.00	
Vinyl Acetate	ND	9.0	4.3	1.00	
Vinyl Chloride	ND	0.90	0.45	1.00	
p/m-Xylene	ND	1.8	0.24	1.00	
o-Xylene	ND	0.90	0.50	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.8	0.27	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	99	80-120	
Dibromofluoromethane	104	79-133	
1,2-Dichloroethane-d4	119	71-155	
Toluene-d8	103	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

Date Received: 10/13/17
Work Order: 17-10-1049
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: 777 N. Front Street / HR1305D-01

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
NP-6-40	17-10-1049-6-C	10/13/17 09:05	Solid	GC/MS BB	10/13/17	10/18/17 03:38	171017L013

Comment(s): - Results were evaluated to the MDL (DL), concentrations $\geq$ to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	15	45	5.6	1.00	J
Benzene	ND	0.90	0.12	1.00	
Bromobenzene	ND	0.90	0.19	1.00	
Bromochloromethane	ND	1.8	0.62	1.00	
Bromodichloromethane	ND	0.90	0.21	1.00	
Bromoform	ND	4.5	0.71	1.00	
Bromomethane	ND	18	8.5	1.00	
2-Butanone	ND	18	3.4	1.00	
n-Butylbenzene	ND	0.90	0.14	1.00	
sec-Butylbenzene	ND	0.90	0.52	1.00	
tert-Butylbenzene	ND	0.90	0.14	1.00	
Carbon Disulfide	ND	9.0	0.27	1.00	
Carbon Tetrachloride	ND	0.90	0.25	1.00	
Chlorobenzene	ND	0.90	0.20	1.00	
Chloroethane	ND	1.8	1.3	1.00	
Chloroform	ND	0.90	0.21	1.00	
Chloromethane	ND	18	0.27	1.00	
2-Chlorotoluene	ND	0.90	0.21	1.00	
4-Chlorotoluene	ND	0.90	0.19	1.00	
Dibromochloromethane	ND	1.8	0.51	1.00	
1,2-Dibromo-3-Chloropropane	ND	4.5	1.6	1.00	
1,2-Dibromoethane	ND	0.90	0.23	1.00	
Dibromomethane	ND	0.90	0.70	1.00	
1,2-Dichlorobenzene	ND	0.90	0.21	1.00	
1,3-Dichlorobenzene	ND	0.90	0.16	1.00	
1,4-Dichlorobenzene	ND	0.90	0.20	1.00	
Dichlorodifluoromethane	ND	1.8	0.40	1.00	
1,1-Dichloroethane	ND	0.90	0.19	1.00	
1,2-Dichloroethane	ND	0.90	0.28	1.00	
1,1-Dichloroethene	ND	0.90	0.31	1.00	
c-1,2-Dichloroethene	ND	0.90	0.25	1.00	
t-1,2-Dichloroethene	ND	0.90	0.46	1.00	
1,2-Dichloropropane	ND	0.90	0.39	1.00	
1,3-Dichloropropane	ND	0.90	0.23	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

Date Received: 10/13/17
Work Order: 17-10-1049
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: 777 N. Front Street / HR1305D-01

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<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>MDL</u>	<u>DF</u>	<u>Qualifiers</u>
2,2-Dichloropropane	ND	4.5	0.30	1.00	
1,1-Dichloropropene	ND	1.8	0.30	1.00	
c-1,3-Dichloropropene	ND	0.90	0.23	1.00	
t-1,3-Dichloropropene	ND	1.8	0.54	1.00	
Ethylbenzene	ND	0.90	0.14	1.00	
2-Hexanone	ND	18	1.6	1.00	
Isopropylbenzene	ND	0.90	0.49	1.00	
p-Isopropyltoluene	ND	0.90	0.57	1.00	
Methylene Chloride	ND	9.0	1.2	1.00	
4-Methyl-2-Pentanone	ND	18	3.9	1.00	
Naphthalene	ND	9.0	0.73	1.00	
n-Propylbenzene	ND	1.8	0.45	1.00	
Styrene	ND	0.90	0.54	1.00	
1,1,1,2-Tetrachloroethane	ND	0.90	0.22	1.00	
1,1,2,2-Tetrachloroethane	ND	1.8	0.31	1.00	
Tetrachloroethene	ND	0.90	0.19	1.00	
Toluene	ND	0.90	0.46	1.00	
1,2,3-Trichlorobenzene	ND	1.8	0.82	1.00	
1,2,4-Trichlorobenzene	ND	1.8	0.28	1.00	
1,1,1-Trichloroethane	ND	0.90	0.20	1.00	
1,1,2-Trichloroethane	ND	0.90	0.32	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	9.0	0.32	1.00	
Trichloroethene	ND	1.8	0.27	1.00	
Trichlorofluoromethane	ND	9.0	0.34	1.00	
1,2,3-Trichloropropane	ND	1.8	0.75	1.00	
1,2,4-Trimethylbenzene	ND	1.8	0.53	1.00	
1,3,5-Trimethylbenzene	ND	1.8	0.49	1.00	
Vinyl Acetate	ND	9.0	4.3	1.00	
Vinyl Chloride	ND	0.90	0.45	1.00	
p/m-Xylene	ND	1.8	0.24	1.00	
o-Xylene	ND	0.90	0.50	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.8	0.27	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	98	80-120	
Dibromofluoromethane	104	79-133	
1,2-Dichloroethane-d4	118	71-155	
Toluene-d8	103	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

Date Received: 10/13/17
Work Order: 17-10-1049
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: 777 N. Front Street / HR1305D-01

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
NP-6-55	17-10-1049-7-C	10/13/17 09:55	Solid	GC/MS BB	10/13/17	10/18/17 23:37	171018L014

Comment(s): - Results were evaluated to the MDL (DL), concentrations $\geq$ to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	11	50	6.2	1.00	J
Benzene	ND	0.99	0.13	1.00	
Bromobenzene	ND	0.99	0.21	1.00	
Bromochloromethane	ND	2.0	0.68	1.00	
Bromodichloromethane	ND	0.99	0.23	1.00	
Bromoform	ND	5.0	0.79	1.00	
Bromomethane	ND	20	9.3	1.00	
2-Butanone	ND	20	3.7	1.00	
n-Butylbenzene	ND	0.99	0.15	1.00	
sec-Butylbenzene	ND	0.99	0.57	1.00	
tert-Butylbenzene	ND	0.99	0.15	1.00	
Carbon Disulfide	ND	9.9	0.30	1.00	
Carbon Tetrachloride	ND	0.99	0.28	1.00	
Chlorobenzene	ND	0.99	0.22	1.00	
Chloroethane	ND	2.0	1.5	1.00	
Chloroform	ND	0.99	0.24	1.00	
Chloromethane	ND	20	0.30	1.00	
2-Chlorotoluene	ND	0.99	0.23	1.00	
4-Chlorotoluene	ND	0.99	0.21	1.00	
Dibromochloromethane	ND	2.0	0.56	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.7	1.00	
1,2-Dibromoethane	ND	0.99	0.25	1.00	
Dibromomethane	ND	0.99	0.77	1.00	
1,2-Dichlorobenzene	ND	0.99	0.23	1.00	
1,3-Dichlorobenzene	ND	0.99	0.17	1.00	
1,4-Dichlorobenzene	ND	0.99	0.22	1.00	
Dichlorodifluoromethane	ND	2.0	0.44	1.00	
1,1-Dichloroethane	ND	0.99	0.21	1.00	
1,2-Dichloroethane	ND	0.99	0.31	1.00	
1,1-Dichloroethene	ND	0.99	0.34	1.00	
c-1,2-Dichloroethene	ND	0.99	0.28	1.00	
t-1,2-Dichloroethene	ND	0.99	0.50	1.00	
1,2-Dichloropropane	ND	0.99	0.43	1.00	
1,3-Dichloropropane	ND	0.99	0.25	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

Date Received: 10/13/17
Work Order: 17-10-1049
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: 777 N. Front Street / HR1305D-01

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<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>MDL</u>	<u>DF</u>	<u>Qualifiers</u>
2,2-Dichloropropane	ND	5.0	0.33	1.00	
1,1-Dichloropropene	ND	2.0	0.33	1.00	
c-1,3-Dichloropropene	ND	0.99	0.25	1.00	
t-1,3-Dichloropropene	ND	2.0	0.60	1.00	
Ethylbenzene	ND	0.99	0.15	1.00	
2-Hexanone	ND	20	1.7	1.00	
Isopropylbenzene	ND	0.99	0.54	1.00	
p-Isopropyltoluene	ND	0.99	0.62	1.00	
Methylene Chloride	ND	9.9	1.3	1.00	
4-Methyl-2-Pentanone	ND	20	4.3	1.00	
Naphthalene	ND	9.9	0.81	1.00	
n-Propylbenzene	ND	2.0	0.50	1.00	
Styrene	ND	0.99	0.60	1.00	
1,1,1,2-Tetrachloroethane	ND	0.99	0.24	1.00	
1,1,2,2-Tetrachloroethane	ND	2.0	0.34	1.00	
Tetrachloroethene	ND	0.99	0.21	1.00	
Toluene	ND	0.99	0.51	1.00	
1,2,3-Trichlorobenzene	ND	2.0	0.90	1.00	
1,2,4-Trichlorobenzene	ND	2.0	0.31	1.00	
1,1,1-Trichloroethane	ND	0.99	0.22	1.00	
1,1,2-Trichloroethane	ND	0.99	0.35	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	9.9	0.35	1.00	
Trichloroethene	ND	2.0	0.30	1.00	
Trichlorofluoromethane	ND	9.9	0.37	1.00	
1,2,3-Trichloropropane	ND	2.0	0.82	1.00	
1,2,4-Trimethylbenzene	ND	2.0	0.58	1.00	
1,3,5-Trimethylbenzene	ND	2.0	0.54	1.00	
Vinyl Acetate	ND	9.9	4.7	1.00	
Vinyl Chloride	ND	0.99	0.50	1.00	
p/m-Xylene	ND	2.0	0.27	1.00	
o-Xylene	ND	0.99	0.55	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	2.0	0.29	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	97	80-120	
Dibromofluoromethane	111	79-133	
1,2-Dichloroethane-d4	123	71-155	
Toluene-d8	101	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

Date Received: 10/13/17
Work Order: 17-10-1049
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: 777 N. Front Street / HR1305D-01

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
NP-6-88	17-10-1049-8-C	10/13/17 10:30	Solid	GC/MS BB	10/13/17	10/18/17 04:07	171017L013

Comment(s): - Results were evaluated to the MDL (DL), concentrations $\geq$ to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	56	57	7.1	1.00	J
Benzene	0.16	1.1	0.15	1.00	J
Bromobenzene	ND	1.1	0.24	1.00	
Bromochloromethane	ND	2.3	0.79	1.00	
Bromodichloromethane	ND	1.1	0.27	1.00	
Bromoform	ND	5.7	0.91	1.00	
Bromomethane	ND	23	11	1.00	
2-Butanone	14	23	4.3	1.00	J
n-Butylbenzene	ND	1.1	0.18	1.00	
sec-Butylbenzene	ND	1.1	0.66	1.00	
tert-Butylbenzene	ND	1.1	0.17	1.00	
Carbon Disulfide	ND	11	0.35	1.00	
Carbon Tetrachloride	ND	1.1	0.32	1.00	
Chlorobenzene	ND	1.1	0.26	1.00	
Chloroethane	ND	2.3	1.7	1.00	
Chloroform	ND	1.1	0.27	1.00	
Chloromethane	ND	23	0.35	1.00	
2-Chlorotoluene	ND	1.1	0.26	1.00	
4-Chlorotoluene	ND	1.1	0.24	1.00	
Dibromochloromethane	ND	2.3	0.65	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.7	2.0	1.00	
1,2-Dibromoethane	ND	1.1	0.29	1.00	
Dibromomethane	ND	1.1	0.89	1.00	
1,2-Dichlorobenzene	ND	1.1	0.26	1.00	
1,3-Dichlorobenzene	ND	1.1	0.20	1.00	
1,4-Dichlorobenzene	ND	1.1	0.25	1.00	
Dichlorodifluoromethane	ND	2.3	0.51	1.00	
1,1-Dichloroethane	ND	1.1	0.24	1.00	
1,2-Dichloroethane	ND	1.1	0.36	1.00	
1,1-Dichloroethene	ND	1.1	0.40	1.00	
c-1,2-Dichloroethene	ND	1.1	0.32	1.00	
t-1,2-Dichloroethene	ND	1.1	0.58	1.00	
1,2-Dichloropropane	ND	1.1	0.50	1.00	
1,3-Dichloropropane	ND	1.1	0.29	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

Date Received: 10/13/17
Work Order: 17-10-1049
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: 777 N. Front Street / HR1305D-01

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<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>MDL</u>	<u>DF</u>	<u>Qualifiers</u>
2,2-Dichloropropane	ND	5.7	0.38	1.00	
1,1-Dichloropropene	ND	2.3	0.38	1.00	
c-1,3-Dichloropropene	ND	1.1	0.29	1.00	
t-1,3-Dichloropropene	ND	2.3	0.69	1.00	
Ethylbenzene	ND	1.1	0.17	1.00	
2-Hexanone	ND	23	2.0	1.00	
Isopropylbenzene	ND	1.1	0.62	1.00	
p-Isopropyltoluene	ND	1.1	0.72	1.00	
Methylene Chloride	ND	11	1.5	1.00	
4-Methyl-2-Pentanone	ND	23	4.9	1.00	
Naphthalene	ND	11	0.93	1.00	
n-Propylbenzene	ND	2.3	0.57	1.00	
Styrene	ND	1.1	0.69	1.00	
1,1,1,2-Tetrachloroethane	ND	1.1	0.27	1.00	
1,1,2,2-Tetrachloroethane	ND	2.3	0.40	1.00	
Tetrachloroethene	ND	1.1	0.24	1.00	
Toluene	ND	1.1	0.59	1.00	
1,2,3-Trichlorobenzene	ND	2.3	1.0	1.00	
1,2,4-Trichlorobenzene	ND	2.3	0.35	1.00	
1,1,1-Trichloroethane	ND	1.1	0.26	1.00	
1,1,2-Trichloroethane	ND	1.1	0.41	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	11	0.40	1.00	
Trichloroethene	ND	2.3	0.34	1.00	
Trichlorofluoromethane	ND	11	0.43	1.00	
1,2,3-Trichloropropane	ND	2.3	0.95	1.00	
1,2,4-Trimethylbenzene	ND	2.3	0.67	1.00	
1,3,5-Trimethylbenzene	ND	2.3	0.63	1.00	
Vinyl Acetate	ND	11	5.4	1.00	
Vinyl Chloride	ND	1.1	0.58	1.00	
p/m-Xylene	ND	2.3	0.31	1.00	
o-Xylene	ND	1.1	0.64	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	2.3	0.34	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	97	80-120	
Dibromofluoromethane	110	79-133	
1,2-Dichloroethane-d4	125	71-155	
Toluene-d8	101	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

Date Received: 10/13/17
Work Order: 17-10-1049
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: 777 N. Front Street / HR1305D-01

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-14-312-864	N/A	Solid	GC/MS BB	10/17/17	10/17/17 18:56	171017L013

Comment(s): - Results were evaluated to the MDL (DL), concentrations $\geq$ to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	50	6.2	1.00	
Benzene	ND	1.0	0.13	1.00	
Bromobenzene	ND	1.0	0.21	1.00	
Bromochloromethane	ND	2.0	0.69	1.00	
Bromodichloromethane	ND	1.0	0.23	1.00	
Bromoform	ND	5.0	0.79	1.00	
Bromomethane	ND	20	9.4	1.00	
2-Butanone	ND	20	3.8	1.00	
n-Butylbenzene	ND	1.0	0.16	1.00	
sec-Butylbenzene	ND	1.0	0.58	1.00	
tert-Butylbenzene	ND	1.0	0.15	1.00	
Carbon Disulfide	ND	10	0.31	1.00	
Carbon Tetrachloride	ND	1.0	0.28	1.00	
Chlorobenzene	ND	1.0	0.22	1.00	
Chloroethane	ND	2.0	1.5	1.00	
Chloroform	ND	1.0	0.24	1.00	
Chloromethane	ND	20	0.30	1.00	
2-Chlorotoluene	ND	1.0	0.23	1.00	
4-Chlorotoluene	ND	1.0	0.21	1.00	
Dibromochloromethane	ND	2.0	0.57	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.7	1.00	
1,2-Dibromoethane	ND	1.0	0.26	1.00	
Dibromomethane	ND	1.0	0.77	1.00	
1,2-Dichlorobenzene	ND	1.0	0.23	1.00	
1,3-Dichlorobenzene	ND	1.0	0.18	1.00	
1,4-Dichlorobenzene	ND	1.0	0.22	1.00	
Dichlorodifluoromethane	ND	2.0	0.44	1.00	
1,1-Dichloroethane	ND	1.0	0.21	1.00	
1,2-Dichloroethane	ND	1.0	0.31	1.00	
1,1-Dichloroethene	ND	1.0	0.35	1.00	
c-1,2-Dichloroethene	ND	1.0	0.28	1.00	
t-1,2-Dichloroethene	ND	1.0	0.51	1.00	
1,2-Dichloropropane	ND	1.0	0.44	1.00	
1,3-Dichloropropane	ND	1.0	0.25	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

Date Received: 10/13/17
Work Order: 17-10-1049
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: 777 N. Front Street / HR1305D-01

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<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>MDL</u>	<u>DF</u>	<u>Qualifiers</u>
2,2-Dichloropropane	ND	5.0	0.33	1.00	
1,1-Dichloropropene	ND	2.0	0.33	1.00	
c-1,3-Dichloropropene	ND	1.0	0.25	1.00	
t-1,3-Dichloropropene	ND	2.0	0.61	1.00	
Ethylbenzene	ND	1.0	0.15	1.00	
2-Hexanone	ND	20	1.8	1.00	
Isopropylbenzene	ND	1.0	0.55	1.00	
p-Isopropyltoluene	ND	1.0	0.63	1.00	
Methylene Chloride	ND	10	1.3	1.00	
4-Methyl-2-Pentanone	ND	20	4.3	1.00	
Naphthalene	ND	10	0.81	1.00	
n-Propylbenzene	ND	2.0	0.50	1.00	
Styrene	ND	1.0	0.60	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	0.24	1.00	
1,1,2,2-Tetrachloroethane	ND	2.0	0.35	1.00	
Tetrachloroethene	ND	1.0	0.21	1.00	
Toluene	ND	1.0	0.52	1.00	
1,2,3-Trichlorobenzene	ND	2.0	0.91	1.00	
1,2,4-Trichlorobenzene	ND	2.0	0.31	1.00	
1,1,1-Trichloroethane	ND	1.0	0.23	1.00	
1,1,2-Trichloroethane	ND	1.0	0.35	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.35	1.00	
Trichloroethene	ND	2.0	0.30	1.00	
Trichlorofluoromethane	ND	10	0.38	1.00	
1,2,3-Trichloropropane	ND	2.0	0.83	1.00	
1,2,4-Trimethylbenzene	ND	2.0	0.59	1.00	
1,3,5-Trimethylbenzene	ND	2.0	0.55	1.00	
Vinyl Acetate	ND	10	4.7	1.00	
Vinyl Chloride	ND	1.0	0.50	1.00	
p/m-Xylene	ND	2.0	0.27	1.00	
o-Xylene	ND	1.0	0.56	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	2.0	0.30	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	96	80-120	
Dibromofluoromethane	103	79-133	
1,2-Dichloroethane-d4	107	71-155	
Toluene-d8	100	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

Geosyntec Consultants	Date Received:	10/13/17
2100 Main Street, Suite 150	Work Order:	17-10-1049
Huntington Beach, CA 92648-2460	Preparation:	EPA 5035
	Method:	EPA 8260B
	Units:	ug/kg

Project: 777 N. Front Street / HR1305D-01

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-14-312-866	N/A	Solid	GC/MS BB	10/18/17	10/18/17 20:39	171018L014

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	50	6.2	1.00	
Benzene	ND	1.0	0.13	1.00	
Bromobenzene	ND	1.0	0.21	1.00	
Bromochloromethane	ND	2.0	0.69	1.00	
Bromodichloromethane	ND	1.0	0.23	1.00	
Bromoform	ND	5.0	0.79	1.00	
Bromomethane	ND	20	9.4	1.00	
2-Butanone	ND	20	3.8	1.00	
n-Butylbenzene	ND	1.0	0.16	1.00	
sec-Butylbenzene	ND	1.0	0.58	1.00	
tert-Butylbenzene	ND	1.0	0.15	1.00	
Carbon Disulfide	ND	10	0.31	1.00	
Carbon Tetrachloride	ND	1.0	0.28	1.00	
Chlorobenzene	ND	1.0	0.22	1.00	
Chloroethane	ND	2.0	1.5	1.00	
Chloroform	ND	1.0	0.24	1.00	
Chloromethane	ND	20	0.30	1.00	
2-Chlorotoluene	ND	1.0	0.23	1.00	
4-Chlorotoluene	ND	1.0	0.21	1.00	
Dibromochloromethane	ND	2.0	0.57	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.7	1.00	
1,2-Dibromoethane	ND	1.0	0.26	1.00	
Dibromomethane	ND	1.0	0.77	1.00	
1,2-Dichlorobenzene	ND	1.0	0.23	1.00	
1,3-Dichlorobenzene	ND	1.0	0.18	1.00	
1,4-Dichlorobenzene	ND	1.0	0.22	1.00	
Dichlorodifluoromethane	ND	2.0	0.44	1.00	
1,1-Dichloroethane	ND	1.0	0.21	1.00	
1,2-Dichloroethane	ND	1.0	0.31	1.00	
1,1-Dichloroethene	ND	1.0	0.35	1.00	
c-1,2-Dichloroethene	ND	1.0	0.28	1.00	
t-1,2-Dichloroethene	ND	1.0	0.51	1.00	
1,2-Dichloropropane	ND	1.0	0.44	1.00	
1,3-Dichloropropane	ND	1.0	0.25	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

Date Received: 10/13/17
Work Order: 17-10-1049
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: 777 N. Front Street / HR1305D-01

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<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>MDL</u>	<u>DF</u>	<u>Qualifiers</u>
2,2-Dichloropropane	ND	5.0	0.33	1.00	
1,1-Dichloropropene	ND	2.0	0.33	1.00	
c-1,3-Dichloropropene	ND	1.0	0.25	1.00	
t-1,3-Dichloropropene	ND	2.0	0.61	1.00	
Ethylbenzene	ND	1.0	0.15	1.00	
2-Hexanone	ND	20	1.8	1.00	
Isopropylbenzene	ND	1.0	0.55	1.00	
p-Isopropyltoluene	ND	1.0	0.63	1.00	
Methylene Chloride	ND	10	1.3	1.00	
4-Methyl-2-Pentanone	ND	20	4.3	1.00	
Naphthalene	ND	10	0.81	1.00	
n-Propylbenzene	ND	2.0	0.50	1.00	
Styrene	ND	1.0	0.60	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	0.24	1.00	
1,1,2,2-Tetrachloroethane	ND	2.0	0.35	1.00	
Tetrachloroethene	ND	1.0	0.21	1.00	
Toluene	ND	1.0	0.52	1.00	
1,2,3-Trichlorobenzene	ND	2.0	0.91	1.00	
1,2,4-Trichlorobenzene	ND	2.0	0.31	1.00	
1,1,1-Trichloroethane	ND	1.0	0.23	1.00	
1,1,2-Trichloroethane	ND	1.0	0.35	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.35	1.00	
Trichloroethene	ND	2.0	0.30	1.00	
Trichlorofluoromethane	ND	10	0.38	1.00	
1,2,3-Trichloropropane	ND	2.0	0.83	1.00	
1,2,4-Trimethylbenzene	ND	2.0	0.59	1.00	
1,3,5-Trimethylbenzene	ND	2.0	0.55	1.00	
Vinyl Acetate	ND	10	4.7	1.00	
Vinyl Chloride	ND	1.0	0.50	1.00	
p/m-Xylene	ND	2.0	0.27	1.00	
o-Xylene	ND	1.0	0.56	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	2.0	0.30	1.00	

<u>Surrogate</u>	<u>Rec. (%)</u>	<u>Control Limits</u>	<u>Qualifiers</u>
1,4-Bromofluorobenzene	97	80-120	
Dibromofluoromethane	104	79-133	
1,2-Dichloroethane-d4	110	71-155	
Toluene-d8	103	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Quality Control - Spike/Spike Duplicate

Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

Date Received: 10/13/17
Work Order: 17-10-1049
Preparation: EPA 5030C
Method: EPA 8260B

Project: 777 N. Front Street / HR1305D-01

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Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
17-10-0469-2	Sample	Aqueous	GC/MS JJ	10/16/17	10/16/17 11:51	171016S005
17-10-0469-2	Matrix Spike	Aqueous	GC/MS JJ	10/16/17	10/16/17 12:30	171016S005
17-10-0469-2	Matrix Spike Duplicate	Aqueous	GC/MS JJ	10/16/17	10/16/17 13:01	171016S005

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Acetone	ND	50.00	48.62	97	53.11	106	34-166	9	0-33	
Benzene	ND	50.00	50.87	102	53.17	106	75-125	4	0-20	
Bromobenzene	ND	50.00	52.46	105	54.09	108	75-125	3	0-20	
Bromochloromethane	ND	50.00	53.34	107	55.33	111	75-125	4	0-20	
Bromodichloromethane	ND	50.00	53.07	106	55.02	110	75-134	4	0-20	
Bromoform	ND	50.00	39.81	80	40.90	82	74-134	3	0-20	
Bromomethane	ND	50.00	56.94	114	52.14	104	20-168	9	0-40	
2-Butanone	ND	50.00	45.90	92	49.41	99	37-157	7	0-20	
n-Butylbenzene	ND	50.00	51.07	102	52.50	105	73-145	3	0-20	
sec-Butylbenzene	ND	50.00	49.82	100	52.42	105	75-135	5	0-20	
tert-Butylbenzene	ND	50.00	50.46	101	52.75	106	75-136	4	0-20	
Carbon Disulfide	ND	50.00	48.23	96	51.00	102	50-152	6	0-27	
Carbon Tetrachloride	ND	50.00	50.96	102	54.39	109	70-154	7	0-20	
Chlorobenzene	ND	50.00	50.24	100	51.10	102	75-125	2	0-20	
Chloroethane	ND	50.00	64.84	130	64.97	130	41-167	0	0-26	
Chloroform	ND	50.00	50.40	101	53.17	106	75-127	5	0-20	
Chloromethane	ND	50.00	58.43	117	60.84	122	41-149	4	0-20	
2-Chlorotoluene	ND	50.00	54.07	108	55.75	112	75-128	3	0-20	
4-Chlorotoluene	ND	50.00	51.52	103	52.05	104	75-125	1	0-20	
Dibromochloromethane	ND	50.00	48.03	96	49.79	100	75-131	4	0-20	
1,2-Dibromo-3-Chloropropane	ND	50.00	52.33	105	56.60	113	64-142	8	0-20	
1,2-Dibromoethane	ND	50.00	50.69	101	52.15	104	75-129	3	0-20	
Dibromomethane	ND	50.00	50.55	101	51.84	104	75-125	3	0-20	
1,2-Dichlorobenzene	ND	50.00	50.92	102	52.32	105	75-125	3	0-20	
1,3-Dichlorobenzene	ND	50.00	50.67	101	51.25	102	75-125	1	0-20	
1,4-Dichlorobenzene	ND	50.00	50.32	101	51.28	103	75-125	2	0-20	
Dichlorodifluoromethane	ND	50.00	73.98	148	69.01	138	25-157	7	0-26	
1,1-Dichloroethane	ND	50.00	49.30	99	52.50	105	73-139	6	0-20	
1,2-Dichloroethane	ND	50.00	53.18	106	54.56	109	75-125	3	0-20	
1,1-Dichloroethene	ND	50.00	50.42	101	51.82	104	61-145	3	0-20	
c-1,2-Dichloroethene	ND	50.00	49.08	98	51.98	104	75-125	6	0-20	
t-1,2-Dichloroethene	ND	50.00	51.31	103	54.19	108	64-142	5	0-20	
1,2-Dichloropropane	ND	50.00	49.46	99	51.01	102	75-127	3	0-20	
1,3-Dichloropropane	ND	50.00	49.48	99	50.34	101	75-125	2	0-20	
2,2-Dichloropropane	ND	50.00	50.57	101	52.04	104	24-180	3	0-20	

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - Spike/Spike Duplicate

Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

Date Received: 10/13/17
Work Order: 17-10-1049
Preparation: EPA 5030C
Method: EPA 8260B

Project: 777 N. Front Street / HR1305D-01

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Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
1,1-Dichloropropene	ND	50.00	51.32	103	53.06	106	75-135	3	0-20	
c-1,3-Dichloropropene	ND	50.00	49.74	99	50.77	102	75-137	2	0-20	
t-1,3-Dichloropropene	ND	50.00	49.89	100	50.09	100	74-146	0	0-20	
Ethylbenzene	ND	50.00	52.66	105	53.42	107	75-129	1	0-20	
2-Hexanone	ND	50.00	47.08	94	50.06	100	47-161	6	0-20	
Isopropylbenzene	ND	50.00	53.03	106	55.02	110	75-135	4	0-20	
p-Isopropyltoluene	ND	50.00	49.67	99	51.89	104	75-136	4	0-20	
Methylene Chloride	ND	50.00	48.67	97	51.71	103	63-141	6	0-20	
4-Methyl-2-Pentanone	ND	50.00	47.39	95	49.96	100	66-138	5	0-20	
Naphthalene	ND	50.00	51.04	102	53.83	108	59-143	5	0-20	
n-Propylbenzene	ND	50.00	54.05	108	55.39	111	75-133	2	0-20	
Styrene	ND	50.00	52.55	105	53.09	106	70-142	1	0-28	
1,1,1,2-Tetrachloroethane	ND	50.00	48.69	97	51.93	104	75-139	6	0-20	
1,1,2,2-Tetrachloroethane	ND	50.00	48.01	96	50.26	101	61-145	5	0-20	
Tetrachloroethene	ND	50.00	46.40	93	45.91	92	47-143	1	0-20	
Toluene	ND	50.00	51.89	104	53.43	107	75-125	3	0-20	
1,2,3-Trichlorobenzene	ND	50.00	50.52	101	52.98	106	73-133	5	0-20	
1,2,4-Trichlorobenzene	ND	50.00	51.74	103	53.72	107	71-137	4	0-20	
1,1,1-Trichloroethane	ND	50.00	50.40	101	54.15	108	75-136	7	0-20	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50.00	56.61	113	54.56	109	42-168	4	0-22	
1,1,2-Trichloroethane	ND	50.00	49.93	100	50.68	101	75-125	1	0-20	
Trichloroethene	ND	50.00	50.30	101	51.31	103	67-139	2	0-20	
Trichlorofluoromethane	ND	50.00	66.50	133	63.36	127	59-155	5	0-20	
1,2,3-Trichloropropane	ND	50.00	49.88	100	51.26	103	75-127	3	0-20	
1,2,4-Trimethylbenzene	ND	50.00	48.22	96	48.92	98	75-133	1	0-20	
1,3,5-Trimethylbenzene	ND	50.00	52.31	105	54.42	109	75-135	4	0-20	
Vinyl Acetate	ND	50.00	31.21	62	31.97	64	54-180	2	0-25	
Vinyl Chloride	ND	50.00	68.07	136	68.38	137	51-153	0	0-20	
p/m-Xylene	ND	100.0	106.7	107	108.5	109	75-133	2	0-20	
o-Xylene	ND	50.00	53.77	108	54.93	110	75-134	2	0-20	
Methyl-t-Butyl Ether (MTBE)	ND	50.00	48.45	97	50.30	101	64-136	4	0-20	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - LCS

Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

Date Received: 10/13/17
Work Order: 17-10-1049
Preparation: EPA 5030C
Method: EPA 8260B

Project: 777 N. Front Street / HR1305D-01

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Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-14-316-3679	LCS	Aqueous	GC/MS JJ	10/16/17	10/16/17 09:37	171016L013
Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Acetone	50.00	46.45	93	50-150	33-167	
Benzene	50.00	51.23	102	78-120	71-127	
Bromobenzene	50.00	53.38	107	80-120	73-127	
Bromochloromethane	50.00	56.06	112	77-125	69-133	
Bromodichloromethane	50.00	53.99	108	80-125	72-132	
Bromoform	50.00	41.81	84	68-128	58-138	
Bromomethane	50.00	56.94	114	50-150	33-167	
2-Butanone	50.00	43.46	87	53-137	39-151	
n-Butylbenzene	50.00	53.98	108	78-132	69-141	
sec-Butylbenzene	50.00	53.12	106	80-125	72-132	
tert-Butylbenzene	50.00	52.71	105	80-125	72-132	
Carbon Disulfide	50.00	51.35	103	50-150	33-167	
Carbon Tetrachloride	50.00	54.64	109	67-139	55-151	
Chlorobenzene	50.00	50.81	102	80-120	73-127	
Chloroethane	50.00	56.94	114	64-130	53-141	
Chloroform	50.00	51.97	104	77-120	70-127	
Chloromethane	50.00	55.41	111	56-128	44-140	
2-Chlorotoluene	50.00	54.22	108	80-121	73-128	
4-Chlorotoluene	50.00	52.06	104	80-120	73-127	
Dibromochloromethane	50.00	50.09	100	77-125	69-133	
1,2-Dibromo-3-Chloropropane	50.00	49.17	98	68-128	58-138	
1,2-Dibromoethane	50.00	51.44	103	80-120	73-127	
Dibromomethane	50.00	50.24	100	80-120	73-127	
1,2-Dichlorobenzene	50.00	51.89	104	80-120	73-127	
1,3-Dichlorobenzene	50.00	51.55	103	80-120	73-127	
1,4-Dichlorobenzene	50.00	51.84	104	80-120	73-127	
Dichlorodifluoromethane	50.00	68.97	138	50-150	33-167	
1,1-Dichloroethane	50.00	51.61	103	73-127	64-136	
1,2-Dichloroethane	50.00	53.19	106	75-123	67-131	
1,1-Dichloroethene	50.00	52.28	105	64-136	52-148	
c-1,2-Dichloroethene	50.00	50.44	101	78-120	71-127	
t-1,2-Dichloroethene	50.00	53.61	107	70-130	60-140	
1,2-Dichloropropane	50.00	50.09	100	80-120	73-127	
1,3-Dichloropropane	50.00	50.27	101	80-120	73-127	
2,2-Dichloropropane	50.00	53.03	106	53-155	36-172	
1,1-Dichloropropene	50.00	53.39	107	73-127	64-136	
c-1,3-Dichloropropene	50.00	50.81	102	80-129	72-137	
t-1,3-Dichloropropene	50.00	51.19	102	78-132	69-141	

RPD: Relative Percent Difference. CL: Control Limits

Quality Control - LCS

Geosyntec Consultants	Date Received:	10/13/17
2100 Main Street, Suite 150	Work Order:	17-10-1049
Huntington Beach, CA 92648-2460	Preparation:	EPA 5030C
	Method:	EPA 8260B
Project: 777 N. Front Street / HR1305D-01		Page 2 of 6

<u>Parameter</u>	<u>Spike Added</u>	<u>Conc. Recovered</u>	<u>LCS %Rec.</u>	<u>%Rec. CL</u>	<u>ME CL</u>	<u>Qualifiers</u>
Ethylbenzene	50.00	52.98	106	80-120	73-127	
2-Hexanone	50.00	45.33	91	59-131	47-143	
Isopropylbenzene	50.00	53.74	107	80-126	72-134	
p-Isopropyltoluene	50.00	53.13	106	80-129	72-137	
Methylene Chloride	50.00	51.21	102	73-127	64-136	
4-Methyl-2-Pentanone	50.00	44.55	89	68-122	59-131	
Naphthalene	50.00	51.38	103	64-136	52-148	
n-Propylbenzene	50.00	55.02	110	80-125	72-132	
Styrene	50.00	53.41	107	80-122	73-129	
1,1,1,2-Tetrachloroethane	50.00	52.15	104	80-126	72-134	
1,1,2,2-Tetrachloroethane	50.00	47.24	94	76-120	69-127	
Tetrachloroethene	50.00	51.31	103	54-144	39-159	
Toluene	50.00	51.62	103	80-122	73-129	
1,2,3-Trichlorobenzene	50.00	54.06	108	76-130	67-139	
1,2,4-Trichlorobenzene	50.00	56.15	112	74-134	64-144	
1,1,1-Trichloroethane	50.00	52.54	105	73-127	64-136	
Hexachloro-1,3-Butadiene	50.00	57.47	115	75-135	65-145	
1,1,2-Trichloro-1,2,2-Trifluoroethane	50.00	58.77	118	53-155	36-172	
1,1,2-Trichloroethane	50.00	50.20	100	80-120	73-127	
Trichloroethene	50.00	50.79	102	77-125	69-133	
Trichlorofluoromethane	50.00	61.39	123	69-141	57-153	
1,2,3-Trichloropropane	50.00	49.53	99	77-125	69-133	
1,2,4-Trimethylbenzene	50.00	50.57	101	80-123	73-130	
1,3,5-Trimethylbenzene	50.00	54.85	110	80-126	72-134	
Vinyl Acetate	50.00	33.20	66	50-150	33-167	
Vinyl Chloride	50.00	61.83	124	63-135	51-147	
p/m-Xylene	100.0	108.2	108	80-125	72-132	
o-Xylene	50.00	53.97	108	80-125	72-132	
Methyl-t-Butyl Ether (MTBE)	50.00	50.42	101	77-120	70-127	

Total number of LCS compounds: 67

Total number of ME compounds: 0

Total number of ME compounds allowed: 3

LCS ME CL validation result: Pass

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Calscience

Quality Control - LCS/LCSD

Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

Date Received: 10/13/17
Work Order: 17-10-1049
Preparation: EPA 5035
Method: EPA 8260B

Project: 777 N. Front Street / HR1305D-01

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Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-14-312-864	LCS	Solid	GC/MS BB	10/17/17	10/17/17 17:17	171017L013
099-14-312-864	LCSD	Solid	GC/MS BB	10/17/17	10/17/17 17:46	171017L013

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	ME CL	RPD	RPD CL	Qualifiers
Acetone	50.00	48.81	98	57.30	115	30-150	10-170	16	0-20	
Benzene	50.00	46.75	93	49.91	100	79-120	72-127	7	0-20	
Bromobenzene	50.00	50.32	101	53.81	108	80-120	73-127	7	0-20	
Bromochloromethane	50.00	49.92	100	54.36	109	80-120	73-127	9	0-20	
Bromodichloromethane	50.00	52.64	105	57.01	114	73-127	64-136	8	0-20	
Bromoform	50.00	49.58	99	50.74	101	55-133	42-146	2	0-20	
Bromomethane	50.00	38.89	78	43.04	86	36-144	18-162	10	0-20	
2-Butanone	50.00	50.71	101	54.37	109	56-176	36-196	7	0-20	
n-Butylbenzene	50.00	48.10	96	49.91	100	78-126	70-134	4	0-20	
sec-Butylbenzene	50.00	47.13	94	49.69	99	79-127	71-135	5	0-20	
tert-Butylbenzene	50.00	47.50	95	51.12	102	80-128	72-136	7	0-20	
Carbon Disulfide	50.00	45.18	90	49.39	99	53-125	41-137	9	0-20	
Carbon Tetrachloride	50.00	52.11	104	56.44	113	58-142	44-156	8	0-20	
Chlorobenzene	50.00	48.13	96	51.15	102	80-120	73-127	6	0-20	
Chloroethane	50.00	46.67	93	50.55	101	60-120	50-130	8	0-20	
Chloroform	50.00	48.22	96	52.83	106	80-120	73-127	9	0-20	
Chloromethane	50.00	49.46	99	53.45	107	50-122	38-134	8	0-20	
2-Chlorotoluene	50.00	48.96	98	52.51	105	80-125	72-132	7	0-20	
4-Chlorotoluene	50.00	46.65	93	49.81	100	80-120	73-127	7	0-20	
Dibromochloromethane	50.00	55.14	110	58.35	117	70-130	60-140	6	0-20	
1,2-Dibromo-3-Chloropropane	50.00	56.62	113	58.88	118	54-132	41-145	4	0-20	
1,2-Dibromoethane	50.00	52.14	104	54.92	110	80-120	73-127	5	0-20	
Dibromomethane	50.00	47.57	95	51.30	103	80-122	73-129	8	0-20	
1,2-Dichlorobenzene	50.00	48.69	97	51.92	104	80-120	73-127	6	0-20	
1,3-Dichlorobenzene	50.00	47.31	95	49.78	100	80-120	73-127	5	0-20	
1,4-Dichlorobenzene	50.00	47.02	94	49.70	99	80-120	73-127	6	0-20	
Dichlorodifluoromethane	50.00	57.15	114	60.92	122	32-158	11-179	6	0-20	
1,1-Dichloroethane	50.00	47.37	95	51.40	103	74-120	66-128	8	0-20	
1,2-Dichloroethane	50.00	49.34	99	52.24	104	79-121	72-128	6	0-20	
1,1-Dichloroethene	50.00	45.09	90	48.43	97	71-125	62-134	7	0-20	
c-1,2-Dichloroethene	50.00	47.98	96	52.95	106	80-123	73-130	10	0-20	
t-1,2-Dichloroethene	50.00	46.55	93	50.95	102	80-120	73-127	9	0-20	
1,2-Dichloropropane	50.00	50.67	101	53.69	107	77-120	70-127	6	0-20	
1,3-Dichloropropane	50.00	50.86	102	53.32	107	80-120	73-127	5	0-20	
2,2-Dichloropropane	50.00	46.85	94	51.13	102	58-142	44-156	9	0-20	
1,1-Dichloropropene	50.00	47.30	95	51.79	104	69-120	60-128	9	0-20	

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - LCS/LCSD

Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

Date Received: 10/13/17
Work Order: 17-10-1049
Preparation: EPA 5035
Method: EPA 8260B

Project: 777 N. Front Street / HR1305D-01

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Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	ME CL	RPD	RPD CL	Qualifiers
c-1,3-Dichloropropene	50.00	50.18	100	54.08	108	74-128	65-137	7	0-20	
t-1,3-Dichloropropene	50.00	55.64	111	59.27	119	66-120	57-129	6	0-20	
Ethylbenzene	50.00	47.06	94	49.71	99	80-120	73-127	5	0-20	
2-Hexanone	50.00	53.44	107	57.49	115	67-151	53-165	7	0-20	
Isopropylbenzene	50.00	46.63	93	50.09	100	80-129	72-137	7	0-20	
p-Isopropyltoluene	50.00	47.73	95	50.36	101	80-122	73-129	5	0-20	
Methylene Chloride	50.00	48.46	97	52.08	104	72-120	64-128	7	0-20	
4-Methyl-2-Pentanone	50.00	50.50	101	53.12	106	72-126	63-135	5	0-20	
Naphthalene	50.00	50.53	101	52.96	106	64-124	54-134	5	0-20	
n-Propylbenzene	50.00	48.26	97	51.97	104	80-122	73-129	7	0-20	
Styrene	50.00	49.12	98	52.17	104	80-123	73-130	6	0-20	
1,1,1,2-Tetrachloroethane	50.00	55.44	111	59.89	120	73-133	63-143	8	0-20	
1,1,2,2-Tetrachloroethane	50.00	51.20	102	54.99	110	77-120	70-127	7	0-20	
Tetrachloroethene	50.00	44.37	89	48.83	98	75-123	67-131	10	0-20	
Toluene	50.00	45.48	91	49.25	98	80-120	73-127	8	0-20	
1,2,3-Trichlorobenzene	50.00	47.48	95	50.38	101	73-127	64-136	6	0-20	
1,2,4-Trichlorobenzene	50.00	48.39	97	51.35	103	74-128	65-137	6	0-20	
1,1,1-Trichloroethane	50.00	47.62	95	52.01	104	71-131	61-141	9	0-20	
1,1,2-Trichloroethane	50.00	53.02	106	54.44	109	80-120	73-127	3	0-20	
1,1,2-Trichloro-1,2,2-Trifluoroethane	50.00	45.40	91	49.41	99	77-125	69-133	8	0-20	
Trichloroethene	50.00	46.70	93	49.79	100	80-120	73-127	6	0-20	
Trichlorofluoromethane	50.00	50.39	101	53.30	107	70-136	59-147	6	0-20	
1,2,3-Trichloropropane	50.00	54.28	109	56.75	114	60-120	50-130	4	0-20	
1,2,4-Trimethylbenzene	50.00	46.15	92	49.01	98	75-123	67-131	6	0-20	
1,3,5-Trimethylbenzene	50.00	48.04	96	51.20	102	80-123	73-130	6	0-20	
Vinyl Acetate	50.00	45.64	91	49.54	99	51-159	33-177	8	0-20	
Vinyl Chloride	50.00	48.52	97	53.11	106	68-120	59-129	9	0-20	
p/m-Xylene	100.0	91.71	92	97.41	97	80-122	73-129	6	0-20	
o-Xylene	50.00	46.89	94	50.56	101	79-127	71-135	8	0-20	
Methyl-t-Butyl Ether (MTBE)	50.00	48.66	97	53.02	106	64-124	54-134	9	0-20	

Total number of LCS compounds: 66

Total number of ME compounds: 0

Total number of ME compounds allowed: 3

LCS ME CL validation result: Pass

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - LCS/LCSD

Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

Date Received: 10/13/17
Work Order: 17-10-1049
Preparation: EPA 5035
Method: EPA 8260B

Project: 777 N. Front Street / HR1305D-01

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Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-14-312-866	LCS	Solid	GC/MS BB	10/18/17	10/18/17 18:17	171018L014
099-14-312-866	LCSD	Solid	GC/MS BB	10/18/17	10/18/17 19:41	171018L014

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	ME CL	RPD	RPD CL	Qualifiers
Acetone	50.00	48.36	97	56.65	113	30-150	10-170	16	0-20	
Benzene	50.00	51.11	102	51.34	103	79-120	72-127	0	0-20	
Bromobenzene	50.00	56.07	112	56.23	112	80-120	73-127	0	0-20	
Bromochloromethane	50.00	54.04	108	55.46	111	80-120	73-127	3	0-20	
Bromodichloromethane	50.00	56.30	113	56.09	112	73-127	64-136	0	0-20	
Bromoform	50.00	52.87	106	52.27	105	55-133	42-146	1	0-20	
Bromomethane	50.00	45.43	91	47.55	95	36-144	18-162	5	0-20	
2-Butanone	50.00	55.34	111	51.88	104	56-176	36-196	6	0-20	
n-Butylbenzene	50.00	53.48	107	54.65	109	78-126	70-134	2	0-20	
sec-Butylbenzene	50.00	51.45	103	52.49	105	79-127	71-135	2	0-20	
tert-Butylbenzene	50.00	50.83	102	52.89	106	80-128	72-136	4	0-20	
Carbon Disulfide	50.00	49.63	99	50.45	101	53-125	41-137	2	0-20	
Carbon Tetrachloride	50.00	57.73	115	58.20	116	58-142	44-156	1	0-20	
Chlorobenzene	50.00	52.38	105	52.94	106	80-120	73-127	1	0-20	
Chloroethane	50.00	52.70	105	57.08	114	60-120	50-130	8	0-20	
Chloroform	50.00	53.01	106	52.94	106	80-120	73-127	0	0-20	
Chloromethane	50.00	55.75	112	57.81	116	50-122	38-134	4	0-20	
2-Chlorotoluene	50.00	54.44	109	56.42	113	80-125	72-132	4	0-20	
4-Chlorotoluene	50.00	51.60	103	52.28	105	80-120	73-127	1	0-20	
Dibromochloromethane	50.00	57.82	116	58.29	117	70-130	60-140	1	0-20	
1,2-Dibromo-3-Chloropropane	50.00	62.64	125	57.33	115	54-132	41-145	9	0-20	
1,2-Dibromoethane	50.00	54.63	109	54.01	108	80-120	73-127	1	0-20	
Dibromomethane	50.00	50.97	102	50.90	102	80-122	73-129	0	0-20	
1,2-Dichlorobenzene	50.00	53.63	107	52.92	106	80-120	73-127	1	0-20	
1,3-Dichlorobenzene	50.00	52.61	105	52.80	106	80-120	73-127	0	0-20	
1,4-Dichlorobenzene	50.00	52.52	105	52.96	106	80-120	73-127	1	0-20	
Dichlorodifluoromethane	50.00	62.09	124	64.90	130	32-158	11-179	4	0-20	
1,1-Dichloroethane	50.00	52.32	105	52.68	105	74-120	66-128	1	0-20	
1,2-Dichloroethane	50.00	52.94	106	50.88	102	79-121	72-128	4	0-20	
1,1-Dichloroethene	50.00	48.15	96	49.95	100	71-125	62-134	4	0-20	
c-1,2-Dichloroethene	50.00	52.05	104	52.48	105	80-123	73-130	1	0-20	
t-1,2-Dichloroethene	50.00	50.01	100	50.44	101	80-120	73-127	1	0-20	
1,2-Dichloropropane	50.00	54.27	109	55.08	110	77-120	70-127	1	0-20	
1,3-Dichloropropane	50.00	55.00	110	54.31	109	80-120	73-127	1	0-20	
2,2-Dichloropropane	50.00	50.48	101	55.64	111	58-142	44-156	10	0-20	
1,1-Dichloropropene	50.00	49.92	100	52.14	104	69-120	60-128	4	0-20	

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - LCS/LCSD

Geosyntec Consultants
2100 Main Street, Suite 150
Huntington Beach, CA 92648-2460

Date Received: 10/13/17
Work Order: 17-10-1049
Preparation: EPA 5035
Method: EPA 8260B

Project: 777 N. Front Street / HR1305D-01

Page 6 of 6

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	ME CL	RPD	RPD CL	Qualifiers
c-1,3-Dichloropropene	50.00	54.09	108	54.84	110	74-128	65-137	1	0-20	ME
t-1,3-Dichloropropene	50.00	59.32	119	60.71	121	66-120	57-129	2	0-20	
Ethylbenzene	50.00	52.92	106	53.12	106	80-120	73-127	0	0-20	
2-Hexanone	50.00	56.64	113	54.33	109	67-151	53-165	4	0-20	
Isopropylbenzene	50.00	52.48	105	53.59	107	80-129	72-137	2	0-20	
p-Isopropyltoluene	50.00	53.35	107	53.29	107	80-122	73-129	0	0-20	
Methylene Chloride	50.00	54.51	109	54.93	110	72-120	64-128	1	0-20	
4-Methyl-2-Pentanone	50.00	55.11	110	53.95	108	72-126	63-135	2	0-20	
Naphthalene	50.00	54.50	109	52.15	104	64-124	54-134	4	0-20	
n-Propylbenzene	50.00	54.08	108	55.83	112	80-122	73-129	3	0-20	
Styrene	50.00	54.88	110	55.59	111	80-123	73-130	1	0-20	
1,1,1,2-Tetrachloroethane	50.00	61.83	124	62.63	125	73-133	63-143	1	0-20	
1,1,2,2-Tetrachloroethane	50.00	55.72	111	53.21	106	77-120	70-127	5	0-20	
Tetrachloroethene	50.00	48.58	97	48.58	97	75-123	67-131	0	0-20	
Toluene	50.00	50.79	102	51.82	104	80-120	73-127	2	0-20	
1,2,3-Trichlorobenzene	50.00	52.43	105	51.25	103	73-127	64-136	2	0-20	
1,2,4-Trichlorobenzene	50.00	53.73	107	55.31	111	74-128	65-137	3	0-20	
1,1,1-Trichloroethane	50.00	51.54	103	53.19	106	71-131	61-141	3	0-20	
1,1,2-Trichloroethane	50.00	56.17	112	55.16	110	80-120	73-127	2	0-20	
1,1,2-Trichloro-1,2,2-Trifluoroethane	50.00	48.56	97	48.42	97	77-125	69-133	0	0-20	
Trichloroethene	50.00	50.95	102	51.90	104	80-120	73-127	2	0-20	
Trichlorofluoromethane	50.00	55.99	112	61.70	123	70-136	59-147	10	0-20	
1,2,3-Trichloropropane	50.00	60.80	122	59.59	119	60-120	50-130	2	0-20	ME
1,2,4-Trimethylbenzene	50.00	50.82	102	50.65	101	75-123	67-131	0	0-20	
1,3,5-Trimethylbenzene	50.00	53.81	108	54.41	109	80-123	73-130	1	0-20	
Vinyl Acetate	50.00	49.53	99	49.86	100	51-159	33-177	1	0-20	
Vinyl Chloride	50.00	54.12	108	56.39	113	68-120	59-129	4	0-20	
p/m-Xylene	100.0	102.6	103	103.6	104	80-122	73-129	1	0-20	
o-Xylene	50.00	52.43	105	53.48	107	79-127	71-135	2	0-20	
Methyl-t-Butyl Ether (MTBE)	50.00	50.34	101	49.94	100	64-124	54-134	1	0-20	

Total number of LCS compounds: 66

Total number of ME compounds: 2

Total number of ME compounds allowed: 3

LCS ME CL validation result: Pass

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Sample Analysis Summary Report

Work Order: 17-10-1049

Page 1 of 1

<u>Method</u>	<u>Extraction</u>	<u>Chemist ID</u>	<u>Instrument</u>	<u>Analytical Location</u>
EPA 8260B	EPA 5035	1120	GC/MS BB	2
EPA 8260B	EPA 5030C	1135	GC/MS JJ	2


Return to Contents

Location 2: 7445 Lampson Avenue, Garden Grove, CA 92841

Glossary of Terms and Qualifiers

Work Order: 17-10-1049

Page 1 of 1

<u>Qualifiers</u>	<u>Definition</u>
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control.
4	The MS/MSD RPD was out of control due to suspected matrix interference.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
BV	Sample received after holding time expired.
CI	See case narrative.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
JA	Analyte positively identified but quantitation is an estimate.
ME	LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean).
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.
	Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.
	Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.
	A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations.



77440 Lincoln Way, Garden Grove, CA 92841-1427 • (714) 895-5494
For courier service / sample drop off information, contact us28_sales@eurofinsus.com or call us.

Geosyntec Consultants

ADDRESS: 2100 Main St. #150

STATE: CA

TEL: 714-465-1258 E-MAIL: gwharton@gcosyntec.com

☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☒ ~~STANDARD~~☐ COE T EDF ☐ OTHER

SPECIAL INSTRUCTIONS:

Date 10/3/17

Page 1 of 1

17-10-1049

CLIENT PROJECT NAME / NO.:

CLIENT PROJECT NAME / NO.: 777 N. Front St.

PROJECT CONTACT:

Goodwin
Wharston

GLOBAL ID:

LOG CODE:

SAMPLER(S): (PRINT)

P.O. NO.:

HR1305D-01

LAB CONTACT OR QUOTE NO:

Stephan Nowak

SAMPLER(S): (PRINT)
G. Wharton

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY		SAMPLE ID	SAMPLING		MATRIX	NO OF CONT.	ANALYSIS										Unpreserved	Preserved	Field Filtered	□ TPH(g) □ GRO	□ TPH(d) □ DRO	TPH □ C6-C36 □ C8-C44	TPH	BTX / MTBE □ 8260 □	VOCs (8260)	Oxygenates (8260)	Prep (5035) □ En Core □ Terra Core	SVOCs (8270)	Pesticides (8081)	PCBs (8082)	PAHs □ 8270 □ 8270 SIM	T22 Metals □ 6010/747X □ 6020/747X	Cr(VI) □ 7196 □ 7199 □ 218.6																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
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Relinquished by: (Signature) William

Relinquished by: (Signature)

Relinquished by: (Signature)

Received by: (Signature/Affiliation)

Received by: (Signature/Affiliation)

Received by: (Signature/Affiliation)

tey

5

Date: / / Time:

Date: 11/1/11	Time: 1:00
---------------	------------

Date: 11/11/18 Time:

Time:

Time:

Time:

SAMPLE RECEIPT CHECKLIST

COOLER 1 OF 1CLIENT: GEOSYNTECDATE: 10/13/2017

TEMPERATURE: (Criteria: 0.0°C – 6.0°C, not frozen except sediment/tissue)

Thermometer ID: SC6 (CF: -0.4°C); Temperature (w/o CF): 3.6 °C (w/ CF): 3.2 °C; ☒ Blank ☐ Sample☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____)☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling☐ Sample(s) received at ambient temperature; placed on ice for transport by courierAmbient Temperature: ☐ Air ☐ FilterChecked by: 804

CUSTODY SEAL:

Cooler ☐ Present and Intact ☐ Present but Not Intact ☒ Not Present ☐ N/AChecked by: 804Sample(s) ☐ Present and Intact ☐ Present but Not Intact ☒ Not Present ☐ N/AChecked by: 728

SAMPLE CONDITION:

Chain-of-Custody (COC) document(s) received with samples ☒ Yes ☐ No ☐ N/ACOC document(s) received complete ☒ Yes ☐ No ☐ N/A☐ Sampling date ☐ Sampling time ☐ Matrix ☐ Number of containers☐ No analysis requested ☐ Not relinquished ☐ No relinquished date ☐ No relinquished timeSampler's name indicated on COC ☒ Yes ☐ No ☐ N/ASample container label(s) consistent with COC ☒ Yes ☐ No ☐ N/ASample container(s) intact and in good condition ☒ Yes ☐ No ☐ N/AProper containers for analyses requested ☒ Yes ☐ No ☐ N/ASufficient volume/mass for analyses requested ☒ Yes ☐ No ☐ N/ASamples received within holding time ☒ Yes ☐ No ☐ N/A

Aqueous samples for certain analyses received within 15-minute holding time

☐ pH ☐ Residual Chlorine ☐ Dissolved Sulfide ☐ Dissolved Oxygen ☐ Yes ☐ No ☒ N/AProper preservation chemical(s) noted on COC and/or sample container ☒ Yes ☐ No ☐ N/A

Unpreserved aqueous sample(s) received for certain analyses

☐ Volatile Organics ☐ Total Metals ☐ Dissolved MetalsAcid/base preserved samples - pH within acceptable range ☐ Yes ☐ No ☒ N/AContainer(s) for certain analysis free of headspace ☒ Yes ☐ No ☐ N/A☒ Volatile Organics ☐ Dissolved Gases (RSK-175) ☐ Dissolved Oxygen (SM 4500)☐ Carbon Dioxide (SM 4500) ☐ Ferrous Iron (SM 3500) ☐ Hydrogen Sulfide (Hach)Tedlar™ bag(s) free of condensation ☐ Yes ☐ No ☒ N/A

CONTAINER TYPE:

(Trip Blank Lot Number: _____)

Aqueous: ☐ VOA ☒ VOAh ☐ VOAna₂ ☐ 100PJ ☐ 100PJna₂ ☐ 125AGB ☐ 125AGBh ☐ 125AGBp ☐ 125PB ☐ 125PBz₂na (pH__9)☐ 250AGB ☐ 250CGB ☐ 250CGBs (pH__2) ☐ 250PB ☐ 250PBn (pH__2) ☐ 500AGB ☐ 500AGJ ☐ 500AGJs (pH__2) ☐ 500PB☐ 1AGB ☐ 1AGBna₂ ☐ 1AGBs (pH__2) ☐ 1AGBs (O&G) ☐ 1PB ☐ 1PBna (pH__12) ☐ _____ ☐ _____Solid: ☐ 4ozCGJ ☐ 8ozCGJ ☐ 16ozCGJ ☐ Sleeve (____) ☐ EnCores® (____) ☒ TerraCores® (3) ☒ 2 ☐ _____ ☐ _____Air: ☐ Tedlar™ ☐ Canister ☐ Sorbent Tube ☐ PUF ☐ _____ Other Matrix (____): ☐ _____ ☐ _____

Container: A = Amber, B = Bottle, C = Clear, E = Envelope, G = Glass, J = Jar, P = Plastic, and Z = Ziploc/Resealable Bag

Preservative: b = buffered, f = filtered, h = HCl, n = HNO₃, na = NaOH, na₂ = Na₂S₂O₃, p = H₃PO₄, Labeled/Checked by: 728s = H₂SO₄, u = ultra-pure, x = Na₂SO₃+NaHSO₄.H₂O, z₂na = Zn (CH₃CO₂)₂ + NaOHReviewed by: 659

APPENDIX D

Laboratory Reports, Soil Vapor



714-449-9937
562-646-1611
805-399-0060

11007 FOREST PLACE
SANTA FE SPRINGS, CA 90670
WWW.JONESENV.COM

**JONES ENVIRONMENTAL
LABORATORY RESULTS**

Client: Geosyntec Consultants
Client Address: 199 S. Hudson Avenue, Suite 110
Pasadena, CA

Report date: 11/16/2017
JEL Ref. No.: D-1409
Client Ref. No.: HR1305D

Attn: Mital Desai

Date Sampled: 11/16/2017
Date Received: 11/16/2017
Date Analyzed: 11/16/2017
Physical State: Soil Gas

Project Address: 777 North Front Street
Burbank, CA

ANALYSES REQUESTED

1. EPA 8260B – Volatile Organics by GC/MS + Oxygenates

Sampling – Soil Gas samples were collected in glass gas-tight syringes equipped with Teflon plungers.

A tracer gas mixture of n-pentane, n-hexane, and n-heptane was placed at the tubing-surface interface before sampling. These compounds were analyzed during the 8260B analytical run to determine if there were surface leaks into the subsurface due to improper installation of the probe. No n-pentane, n-hexane, or n-heptane was found in any of the samples reported herein.

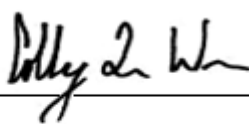
The sampling rate was approximately 200 cc/min, except when noted differently on the chain of custody record, using a glass gas-tight syringe. Purging was completed using a pump set at approximately 200 cc/min, except when noted differently on the chain of custody record. A default of 3 purge volumes was used as recommended by July 2015 DTSC/RWQCB guidance documents.

Prior to purging and sampling of soil gas at each point, a shut-in test was conducted to check for leaks in the above ground fittings. The shut-in test was performed on the above ground apparatus by evacuating the line to a vacuum of 100 inches of water, sealing the entire system and watching the vacuum for at least one minute. A vacuum gauge attached in parallel to the apparatus measured the vacuum. If there was any observable loss of vacuum, the fittings were adjusted as needed until the vacuum did not change noticeably. The soil gas sample was then taken.

No flow conditions occur when a sampling rate greater than 10 mL/min cannot be maintained without applying a vacuum greater than 100 inches of water to the sampling train. The sampling train is left at a vacuum for no less than three minutes. If the vacuum does not subside appreciably after three minutes, the sample location is determined to be a no flow sample.

Analytical – Soil Gas samples were analyzed using EPA Method 8260 that includes extra compounds required by DTSC/RWQCB (such as Freon 113). Instrument Continuing Calibration Verification, QC Reference Standards, Instrument Blanks and Sampling Blanks were analyzed every 12 hours as prescribed by the method. In addition, a Laboratory Control Sample (LCS) and Laboratory Control Sample Duplicate (LCSD) were analyzed with each batch of Soil Gas samples. A duplicate/replicate sample was analyzed each day of the sampling activity. All samples were injected into the GC/MS system within 30 minutes of sampling.

Approval:


Colby Wakeman
QA/QC Manager



714-449-9937
562-646-1611
805-399-0060

11007 FOREST PLACE
SANTA FE SPRINGS, CA 90670
WWW.JONESENV.COM

JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Geosyntec Consultants
Client Address: 199 S. Hudson Avenue, Suite 110
Pasadena, CA

Report date: 11/16/2017
Jones Ref. No.: D-1409
Client Ref. No.: HR1305D

Attn: Mital Desai

Date Sampled: 11/16/2017
Date Received: 11/16/2017
Date Analyzed: 11/16/2017

Project Address: 777 North Front Street
Burbank, CA

Physical State: Soil Gas

EPA 8260B – Volatile Organics by GC/MS + Oxygenates

<u>Sample ID:</u>	NP-8-17	NP-8-37	NP-8-37 REP	NP-8-57	NP-8-80		
<u>Jones ID:</u>	D-1409-01	D-1409-02	D-1409-03	D-1409-04	D-1409-05	<u>Practical Quantitation Limit (MDL)</u>	<u>Units</u>
Analytes:							
Benzene	ND	ND	ND	ND	ND	8 (3)	µg/m3
Bromobenzene	ND	ND	ND	ND	ND	8 (5)	µg/m3
Bromodichloromethane	ND	ND	ND	ND	ND	8 (3)	µg/m3
Bromoform	ND	ND	ND	ND	ND	8 (5)	µg/m3
n-Butylbenzene	ND	ND	ND	ND	ND	8 (4)	µg/m3
sec-Butylbenzene	ND	ND	ND	ND	ND	8 (4)	µg/m3
tert-Butylbenzene	ND	ND	ND	ND	ND	8 (4)	µg/m3
Carbon tetrachloride	30	34	32	9	27	8 (5)	µg/m3
Chlorobenzene	ND	ND	ND	ND	ND	8 (4)	µg/m3
Chloroform	ND	ND	ND	7 J	28	8 (3)	µg/m3
2-Chlorotoluene	ND	ND	ND	ND	ND	8 (4)	µg/m3
4-Chlorotoluene	ND	ND	ND	ND	ND	8 (4)	µg/m3
Dibromochloromethane	ND	ND	ND	ND	ND	8 (4)	µg/m3
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	8 (6)	µg/m3
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	ND	8 (3)	µg/m3
Dibromomethane	ND	ND	ND	ND	ND	8 (3)	µg/m3
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	8 (4)	µg/m3
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	8 (4)	µg/m3
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	8 (3)	µg/m3
Dichlorodifluoromethane	33	184	181	363	450	8 (5)	µg/m3
1,1-Dichloroethane	ND	ND	ND	ND	30	8 (4)	µg/m3
1,2-Dichloroethane	ND	ND	ND	ND	ND	8 (5)	µg/m3
1,1-Dichloroethene	ND	109	103	1210	3840	8 (5)	µg/m3
cis-1,2-Dichloroethene	ND	ND	ND	ND	6 J	8 (3)	µg/m3
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	8 (2)	µg/m3
1,2-Dichloropropane	ND	ND	ND	ND	ND	8 (3)	µg/m3
1,3-Dichloropropane	ND	ND	ND	ND	ND	8 (4)	µg/m3
2,2-Dichloropropane	ND	ND	ND	ND	ND	8 (5)	µg/m3
1,1-Dichloropropene	ND	ND	ND	ND	ND	8 (4)	µg/m3

JONES ENVIRONMENTAL LABORATORY RESULTS

EPA 8260B – Volatile Organics by GC/MS + Oxygenates

Sample ID:

NP-8-17

NP-8-37

NP-8-37
REP

NP-8-57

NP-8-80

Jones ID:

D-1409-01

D-1409-02

D-1409-03

D-1409-04

D-1409-05

**Practical
Quantitation
Limit (MDL)**

Units

Analytes:

cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	8 (3)	µg/m3
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	8 (3)	µg/m3
Ethylbenzene	ND	ND	ND	ND	ND	8 (4)	µg/m3
Freon 113	ND	ND	ND	105	186	40 (5)	µg/m3
Hexachlorobutadiene	ND	ND	ND	ND	ND	8 (8)	µg/m3
Isopropylbenzene	ND	ND	ND	ND	ND	8 (3)	µg/m3
4-Isopropyltoluene	ND	ND	ND	ND	ND	8 (4)	µg/m3
Methylene chloride	ND	ND	ND	ND	ND	8 (3)	µg/m3
Naphthalene	ND	ND	ND	ND	ND	40 (6)	µg/m3
n-Propylbenzene	ND	ND	ND	ND	ND	8 (4)	µg/m3
Styrene	ND	ND	ND	ND	ND	8 (3)	µg/m3
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	8 (4)	µg/m3
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	8 (5)	µg/m3
Tetrachloroethene	2290	3440	2900	3370	5980	8 (3)	µg/m3
Toluene	ND	ND	ND	ND	ND	8 (3)	µg/m3
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	40 (6)	µg/m3
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	8 (5)	µg/m3
1,1,1-Trichloroethane	225	250	242	197	196	8 (4)	µg/m3
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	8 (4)	µg/m3
Trichloroethene	ND	18	17	429	2310	8 (3)	µg/m3
Trichlorofluoromethane	ND	ND	ND	ND	ND	8 (5)	µg/m3
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	8 (4)	µg/m3
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	8 (5)	µg/m3
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	8 (4)	µg/m3
Vinyl chloride	ND	ND	ND	ND	ND	8 (4)	µg/m3
m,p-Xylene	ND	ND	ND	ND	ND	8 (6)	µg/m3
o-Xylene	ND	ND	ND	ND	ND	8 (5)	µg/m3
MTBE	ND	ND	ND	ND	ND	40 (9)	µg/m3
Ethyl-tert-butylether	ND	ND	ND	ND	ND	40 (22)	µg/m3
Di-isopropylether	ND	ND	ND	ND	ND	40 (5)	µg/m3
tert-amylmethylether	ND	ND	ND	ND	ND	40 (6)	µg/m3
tert-Butylalcohol	ND	ND	ND	ND	ND	400 (38)	µg/m3

TIC:

n-Pentane	ND	ND	ND	ND	ND	400	µg/m3
n-Hexane	ND	ND	ND	ND	ND	400	µg/m3
n-Heptane	ND	ND	ND	ND	ND	400	µg/m3

Dilution Factor

1

1

1

1

1

Surrogate Recoveries:

QC Limits

Dibromofluoromethane	95%	98%	94%	95%	95%	60 - 140
Toluene-d8	85%	84%	81%	84%	81%	60 - 140
4-Bromofluorobenzene	81%	83%	79%	81%	80%	60 - 140

D1-111617- D1-111617- D1-111617- D1-111617- D1-111617-
D-1409 D-1409 D-1409 D-1409 D-1409

ND= Not Detected

J Flag = Estimated Value



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Geosyntec Consultants
Client Address: 199 S. Hudson Avenue, Suite 110
Pasadena, CA

Report date: 11/16/2017
Jones Ref. No.: D-1409
Client Ref. No.: HR1305D

Attn: Mital Desai

Date Sampled: 11/16/2017
Date Received: 11/16/2017
Date Analyzed: 11/16/2017

Project Address: 777 North Front Street
Burbank, CA

Physical State: Soil Gas

EPA 8260B – Volatile Organics by GC/MS + Oxygenates

<u>Sample ID:</u>	NP-7-17	NP-7-17 REP	NP-7-35	NP-7-53	NP-6-15		
<u>Jones ID:</u>	D-1409-06	D-1409-07	D-1409-08	D-1409-09	D-1409-10	<u>Practical Quantitation Limit (MDL)</u>	<u>Units</u>
Analytes:							
Benzene	ND	ND	ND	ND	ND	8 (3)	µg/m3
Bromobenzene	ND	ND	ND	ND	ND	8 (5)	µg/m3
Bromodichloromethane	ND	ND	4 J	ND	ND	8 (3)	µg/m3
Bromoform	ND	ND	ND	ND	ND	8 (5)	µg/m3
n-Butylbenzene	ND	ND	ND	ND	ND	8 (4)	µg/m3
sec-Butylbenzene	ND	ND	ND	ND	ND	8 (4)	µg/m3
tert-Butylbenzene	ND	ND	ND	ND	ND	8 (4)	µg/m3
Carbon tetrachloride	ND	ND	ND	14	ND	8 (5)	µg/m3
Chlorobenzene	ND	ND	ND	ND	ND	8 (4)	µg/m3
Chloroform	ND	ND	18	47	ND	8 (3)	µg/m3
2-Chlorotoluene	ND	ND	ND	ND	ND	8 (4)	µg/m3
4-Chlorotoluene	ND	ND	ND	ND	ND	8 (4)	µg/m3
Dibromochloromethane	ND	ND	4 J	ND	ND	8 (4)	µg/m3
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	8 (6)	µg/m3
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	ND	8 (3)	µg/m3
Dibromomethane	ND	ND	ND	ND	ND	8 (3)	µg/m3
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	8 (4)	µg/m3
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	8 (4)	µg/m3
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	8 (3)	µg/m3
Dichlorodifluoromethane	624	625	1830	1040	60	8 (5)	µg/m3
1,1-Dichloroethane	ND	ND	ND	9	ND	8 (4)	µg/m3
1,2-Dichloroethane	ND	ND	ND	ND	ND	8 (5)	µg/m3
1,1-Dichloroethene	ND	ND	134	991	ND	8 (5)	µg/m3
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	8 (3)	µg/m3
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	8 (2)	µg/m3
1,2-Dichloropropane	ND	ND	ND	ND	ND	8 (3)	µg/m3
1,3-Dichloropropane	ND	ND	ND	ND	ND	8 (4)	µg/m3
2,2-Dichloropropane	ND	ND	ND	ND	ND	8 (5)	µg/m3
1,1-Dichloropropene	ND	ND	ND	ND	ND	8 (4)	µg/m3

JONES ENVIRONMENTAL LABORATORY RESULTS

EPA 8260B – Volatile Organics by GC/MS + Oxygenates

Sample ID:

NP-7-17

NP-7-17
REP

NP-7-35

NP-7-53

NP-6-15

Jones ID:

D-1409-06

D-1409-07

D-1409-08

D-1409-09

D-1409-10

**Practical
Quantitation
Limit (MDL)**

Units

Analytes:

cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	8 (3)	µg/m3
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	8 (3)	µg/m3
Ethylbenzene	ND	ND	ND	ND	ND	8 (4)	µg/m3
Freon 113	53	55	159	117	ND	40 (5)	µg/m3
Hexachlorobutadiene	ND	ND	ND	ND	ND	8 (8)	µg/m3
Isopropylbenzene	ND	ND	ND	ND	ND	8 (3)	µg/m3
4-Isopropyltoluene	ND	ND	ND	ND	ND	8 (4)	µg/m3
Methylene chloride	ND	ND	ND	ND	ND	8 (3)	µg/m3
Naphthalene	ND	ND	ND	ND	ND	40 (6)	µg/m3
n-Propylbenzene	ND	ND	ND	ND	ND	8 (4)	µg/m3
Styrene	ND	ND	ND	ND	ND	8 (3)	µg/m3
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	8 (4)	µg/m3
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	8 (5)	µg/m3
Tetrachloroethene	5450	5920	7920	8410	5580	8 (3)	µg/m3
Toluene	ND	ND	ND	ND	ND	8 (3)	µg/m3
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	40 (6)	µg/m3
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	8 (5)	µg/m3
1,1,1-Trichloroethane	19	20	14	20	22	8 (4)	µg/m3
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	8 (4)	µg/m3
Trichloroethene	28	20	1160	3080	13	8 (3)	µg/m3
Trichlorofluoromethane	7 J	8	18	7 J	ND	8 (5)	µg/m3
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	8 (4)	µg/m3
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	8 (5)	µg/m3
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	8 (4)	µg/m3
Vinyl chloride	ND	ND	ND	5 J	ND	8 (4)	µg/m3
m,p-Xylene	ND	ND	ND	ND	ND	8 (6)	µg/m3
o-Xylene	ND	ND	ND	ND	ND	8 (5)	µg/m3
MTBE	ND	ND	ND	ND	ND	40 (9)	µg/m3
Ethyl-tert-butylether	ND	ND	ND	ND	ND	40 (22)	µg/m3
Di-isopropylether	ND	ND	ND	ND	ND	40 (5)	µg/m3
tert-amylmethylether	ND	ND	ND	ND	ND	40 (6)	µg/m3
tert-Butylalcohol	ND	ND	ND	ND	ND	400 (38)	µg/m3

TIC:

n-Pentane	ND	ND	ND	ND	ND	400	µg/m3
n-Hexane	ND	ND	ND	ND	ND	400	µg/m3
n-Heptane	ND	ND	ND	ND	ND	400	µg/m3

Dilution Factor

1

1

1

1

1

Surrogate Recoveries:

QC Limits

Dibromofluoromethane	121%	120%	119%	119%	119%	60 - 140
Toluene-d ₈	97%	98%	92%	97%	97%	60 - 140
4-Bromofluorobenzene	99%	101%	99%	104%	103%	60 - 140

E1-111617- E1-111617- E1-111617- E1-111617- E1-111617-
CHECKS CHECKS CHECKS CHECKS CHECKS

ND= Not Detected

J Flag = Estimated Value



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Geosyntec Consultants
Client Address: 199 S. Hudson Avenue, Suite 110
Pasadena, CA

Report date: 11/16/2017
Jones Ref. No.: D-1409
Client Ref. No.: HR1305D

Attn: Mital Desai

Date Sampled: 11/16/2017
Date Received: 11/16/2017
Date Analyzed: 11/16/2017

Project Address: 777 North Front Street
Burbank, CA

Physical State: Soil Gas

EPA 8260B – Volatile Organics by GC/MS + Oxygenates

<u>Sample ID:</u>	NP-6-40	NP-6-60	NP-6-86	NP-5-15	NP-5-35		
<u>Jones ID:</u>	D-1409-11	D-1409-12	D-1409-13	D-1409-14	D-1409-15	<u>Practical Quantitation Limit (MDL)</u>	<u>Units</u>
Analytes:							
Benzene	ND	ND	ND	ND	ND	8 (3)	µg/m3
Bromobenzene	ND	ND	ND	ND	ND	8 (5)	µg/m3
Bromodichloromethane	ND	4 J	ND	ND	ND	8 (3)	µg/m3
Bromoform	ND	ND	ND	ND	ND	8 (5)	µg/m3
n-Butylbenzene	ND	ND	ND	ND	ND	8 (4)	µg/m3
sec-Butylbenzene	ND	ND	ND	ND	ND	8 (4)	µg/m3
tert-Butylbenzene	ND	ND	ND	ND	ND	8 (4)	µg/m3
Carbon tetrachloride	ND	ND	ND	ND	ND	8 (5)	µg/m3
Chlorobenzene	ND	ND	ND	ND	ND	8 (4)	µg/m3
Chloroform	ND	22	ND	14	120	8 (3)	µg/m3
2-Chlorotoluene	ND	ND	ND	ND	ND	8 (4)	µg/m3
4-Chlorotoluene	ND	ND	ND	ND	ND	8 (4)	µg/m3
Dibromochloromethane	ND	ND	ND	ND	ND	8 (4)	µg/m3
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	8 (6)	µg/m3
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	ND	8 (3)	µg/m3
Dibromomethane	ND	ND	ND	ND	ND	8 (3)	µg/m3
1,2- Dichlorobenzene	ND	ND	ND	ND	ND	8 (4)	µg/m3
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	8 (4)	µg/m3
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	8 (3)	µg/m3
Dichlorodifluoromethane	ND	329	ND	303	1940	8 (5)	µg/m3
1,1-Dichloroethane	ND	ND	ND	ND	ND	8 (4)	µg/m3
1,2-Dichloroethane	ND	ND	ND	ND	ND	8 (5)	µg/m3
1,1-Dichloroethene	462	502	163	ND	102	8 (5)	µg/m3
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	8 (3)	µg/m3
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	8 (2)	µg/m3
1,2-Dichloropropane	ND	ND	ND	ND	ND	8 (3)	µg/m3
1,3-Dichloropropane	ND	ND	ND	ND	ND	8 (4)	µg/m3
2,2-Dichloropropane	ND	ND	ND	ND	ND	8 (5)	µg/m3
1,1-Dichloropropene	ND	ND	ND	ND	ND	8 (4)	µg/m3

JONES ENVIRONMENTAL LABORATORY RESULTS

EPA 8260B – Volatile Organics by GC/MS + Oxygenates

<u>Sample ID:</u>	NP-6-40	NP-6-60	NP-6-86	NP-5-15	NP-5-35		
<u>Jones ID:</u>	D-1409-11	D-1409-12	D-1409-13	D-1409-14	D-1409-15	<u>Practical Quantitation Limit (MDL)</u>	<u>Units</u>
Analytes:							
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	8 (3)	µg/m3
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	8 (3)	µg/m3
Ethylbenzene	ND	ND	ND	ND	ND	8 (4)	µg/m3
Freon 113	21 J	33 J	5 J	42	229	40 (5)	µg/m3
Hexachlorobutadiene	ND	ND	ND	ND	ND	8 (8)	µg/m3
Isopropylbenzene	ND	ND	ND	ND	ND	8 (3)	µg/m3
4-Isopropyltoluene	ND	ND	ND	ND	ND	8 (4)	µg/m3
Methylene chloride	ND	ND	ND	ND	ND	8 (3)	µg/m3
Naphthalene	ND	ND	ND	ND	ND	40 (6)	µg/m3
n-Propylbenzene	ND	ND	ND	ND	ND	8 (4)	µg/m3
Styrene	ND	ND	ND	ND	ND	8 (3)	µg/m3
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	8 (4)	µg/m3
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	8 (5)	µg/m3
Tetrachloroethene	5580	4440	5220	6610	20800	8 (3)	µg/m3
Toluene	ND	ND	ND	ND	ND	8 (3)	µg/m3
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	40 (6)	µg/m3
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	8 (5)	µg/m3
1,1,1-Trichloroethane	ND	13	ND	ND	7 J	8 (4)	µg/m3
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	8 (4)	µg/m3
Trichloroethene	178	678	173	7320	18900	8 (3)	µg/m3
Trichlorofluoromethane	ND	ND	ND	ND	ND	8 (5)	µg/m3
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	8 (4)	µg/m3
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	8 (5)	µg/m3
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	8 (4)	µg/m3
Vinyl chloride	ND	ND	ND	ND	ND	8 (4)	µg/m3
m,p-Xylene	ND	ND	ND	ND	ND	8 (6)	µg/m3
o-Xylene	ND	ND	ND	ND	ND	8 (5)	µg/m3
MTBE	ND	ND	ND	ND	ND	40 (9)	µg/m3
Ethyl-tert-butylether	ND	ND	ND	ND	ND	40 (22)	µg/m3
Di-isopropylether	ND	ND	ND	ND	ND	40 (5)	µg/m3
tert-amylmethylether	ND	ND	ND	ND	ND	40 (6)	µg/m3
tert-Butylalcohol	ND	ND	ND	ND	ND	400 (38)	µg/m3
TIC:							
n-Pentane	ND	ND	ND	ND	ND	400	µg/m3
n-Hexane	ND	ND	ND	ND	ND	400	µg/m3
n-Heptane	ND	ND	ND	ND	ND	400	µg/m3
<u>Dilution Factor</u>	1	1	1	1	1		
Surrogate Recoveries:						<u>QC Limits</u>	
Dibromofluoromethane	108%	116%	101%	97%	93%	60 - 140	
Toluene-d ₈	95%	96%	97%	85%	81%	60 - 140	
4-Bromofluorobenzene	94%	99%	90%	83%	82%	60 - 140	

E2-111617- E1-111617- E2-111617- D1-111617- D1-111617-
CHECKS CHECKS CHECKS D-1409 D-1409

ND= Not Detected

J Flag = Estimated Value



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Geosyntec Consultants
Client Address: 199 S. Hudson Avenue, Suite 110
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Report date: 11/16/2017
Jones Ref. No.: D-1409
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Attn: Mital Desai

Date Sampled: 11/16/2017
Date Received: 11/16/2017
Date Analyzed: 11/16/2017

Project Address: 777 North Front Street
Burbank, CA

Physical State: Soil Gas

EPA 8260B – Volatile Organics by GC/MS + Oxygenates

<u>Sample ID:</u>	NP-5-57	NP-4-13	NP-4-35	NP-4-51	NP-4-83		
<u>Jones ID:</u>	D-1409-16	D-1409-17	D-1409-18	D-1409-19	D-1409-20	<u>Practical Quantitation Limit (MDL)</u>	<u>Units</u>
Analytes:							
Benzene	7 J	ND	ND	ND	4 J	8 (3)	µg/m3
Bromobenzene	ND	ND	ND	ND	ND	8 (5)	µg/m3
Bromodichloromethane	ND	ND	ND	4 J	ND	8 (3)	µg/m3
Bromoform	ND	ND	ND	ND	ND	8 (5)	µg/m3
n-Butylbenzene	ND	ND	ND	ND	ND	8 (4)	µg/m3
sec-Butylbenzene	ND	ND	ND	ND	ND	8 (4)	µg/m3
tert-Butylbenzene	ND	ND	ND	ND	ND	8 (4)	µg/m3
Carbon tetrachloride	ND	ND	ND	ND	ND	8 (5)	µg/m3
Chlorobenzene	ND	ND	ND	ND	ND	8 (4)	µg/m3
Chloroform	457	ND	ND	336	1040	8 (3)	µg/m3
2-Chlorotoluene	ND	ND	ND	ND	ND	8 (4)	µg/m3
4-Chlorotoluene	ND	ND	ND	ND	ND	8 (4)	µg/m3
Dibromochloromethane	ND	ND	ND	ND	ND	8 (4)	µg/m3
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	8 (6)	µg/m3
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	ND	8 (3)	µg/m3
Dibromomethane	ND	ND	ND	ND	ND	8 (3)	µg/m3
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	8 (4)	µg/m3
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	8 (4)	µg/m3
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	8 (3)	µg/m3
Dichlorodifluoromethane	1070	485	ND	762	ND	8 (5)	µg/m3
1,1-Dichloroethane	ND	ND	ND	ND	ND	8 (4)	µg/m3
1,2-Dichloroethane	ND	ND	ND	ND	ND	8 (5)	µg/m3
1,1-Dichloroethene	205	ND	26	22	61	8 (5)	µg/m3
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	8 (3)	µg/m3
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	8 (2)	µg/m3
1,2-Dichloropropane	ND	ND	ND	ND	ND	8 (3)	µg/m3
1,3-Dichloropropane	ND	ND	ND	ND	ND	8 (4)	µg/m3
2,2-Dichloropropane	ND	ND	ND	ND	ND	8 (5)	µg/m3
1,1-Dichloropropene	ND	ND	ND	ND	ND	8 (4)	µg/m3

JONES ENVIRONMENTAL LABORATORY RESULTS

EPA 8260B – Volatile Organics by GC/MS + Oxygenates

<u>Sample ID:</u>	NP-5-57	NP-4-13	NP-4-35	NP-4-51	NP-4-83		
<u>Jones ID:</u>	D-1409-16	D-1409-17	D-1409-18	D-1409-19	D-1409-20	<u>Practical Quantitation Limit (MDL)</u>	<u>Units</u>
Analytes:							
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	8 (3)	µg/m3
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	8 (3)	µg/m3
Ethylbenzene	ND	ND	ND	ND	ND	8 (4)	µg/m3
Freon 113	116	32 J	84	46	71	40 (5)	µg/m3
Hexachlorobutadiene	ND	ND	ND	ND	ND	8 (8)	µg/m3
Isopropylbenzene	ND	ND	ND	ND	ND	8 (3)	µg/m3
4-Isopropyltoluene	ND	ND	ND	ND	ND	8 (4)	µg/m3
Methylene chloride	ND	ND	ND	ND	ND	8 (3)	µg/m3
Naphthalene	ND	ND	ND	ND	ND	40 (6)	µg/m3
n-Propylbenzene	ND	ND	ND	ND	ND	8 (4)	µg/m3
Styrene	ND	ND	ND	ND	ND	8 (3)	µg/m3
1,1,1,2-Tetrachloroethane	ND	ND	5530	124	31	8 (4)	µg/m3
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	8 (5)	µg/m3
Tetrachloroethene	18000	1890000*	1790000*	684000*	781000*	8 (3)	µg/m3
Toluene	5 J	ND	ND	6 J	ND	8 (3)	µg/m3
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	40 (6)	µg/m3
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	8 (5)	µg/m3
1,1,1-Trichloroethane	ND	15	ND	ND	ND	8 (4)	µg/m3
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	8 (4)	µg/m3
Trichloroethene	11700	2340	3430	2550	4950	8 (3)	µg/m3
Trichlorofluoromethane	ND	ND	ND	ND	ND	8 (5)	µg/m3
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	8 (4)	µg/m3
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	8 (5)	µg/m3
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	8 (4)	µg/m3
Vinyl chloride	ND	ND	ND	ND	ND	8 (4)	µg/m3
m,p-Xylene	ND	ND	ND	ND	ND	8 (6)	µg/m3
o-Xylene	ND	ND	ND	ND	ND	8 (5)	µg/m3
MTBE	ND	ND	ND	ND	ND	40 (9)	µg/m3
Ethyl-tert-butylether	ND	ND	ND	ND	ND	40 (22)	µg/m3
Di-isopropylether	ND	ND	ND	ND	ND	40 (5)	µg/m3
tert-amylmethylether	ND	ND	ND	ND	ND	40 (6)	µg/m3
tert-Butylalcohol	ND	ND	ND	ND	ND	400 (38)	µg/m3
TIC:							
n-Pentane	ND	ND	ND	ND	ND	400	µg/m3
n-Hexane	ND	ND	ND	ND	ND	400	µg/m3
n-Heptane	ND	ND	ND	ND	ND	400	µg/m3
<u>Dilution Factor</u>	1	1/250*	1/250*	1/250*	1/250*		
Surrogate Recoveries:						QC Limits	
Dibromofluoromethane	96%	115%	109%	119%	124%	60 - 140	
Toluene-d ₈	84%	95%	96%	94%	96%	60 - 140	
4-Bromofluorobenzene	83%	101%	95%	98%	90%	60 - 140	
D1-111617- D-1409	E1-111617- CHECKS	E2-111617- CHECKS	E1-111617- CHECKS	E2-111617- CHECKS			

ND= Not Detected

J Flag = Estimated Value



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Geosyntec Consultants
Client Address: 199 S. Hudson Avenue, Suite 110
Pasadena, CA

Report date: 11/16/2017
Jones Ref. No.: D-1409
Client Ref. No.: HR1305D

Attn: Mital Desai

Date Sampled: 11/16/2017
Date Received: 11/16/2017
Date Analyzed: 11/16/2017

Project Address: 777 North Front Street
Burbank, CA

Physical State: Soil Gas

EPA 8260B – Volatile Organics by GC/MS + Oxygenates

<u>Sample ID:</u>	NP-3-13	NP-3-33	NP-3-53	NP-2-15	NP-2-37		
<u>Jones ID:</u>	D-1409-21	D-1409-22	D-1409-23	D-1409-24	D-1409-25	<u>Practical Quantitation Limit (MDL)</u>	<u>Units</u>
Analytes:							
Benzene	ND	ND	ND	ND	ND	8 (3)	µg/m3
Bromobenzene	ND	ND	ND	ND	ND	8 (5)	µg/m3
Bromodichloromethane	ND	ND	ND	ND	ND	8 (3)	µg/m3
Bromoform	ND	ND	ND	ND	ND	8 (5)	µg/m3
n-Butylbenzene	ND	ND	ND	ND	ND	8 (4)	µg/m3
sec-Butylbenzene	ND	ND	ND	ND	ND	8 (4)	µg/m3
tert-Butylbenzene	ND	ND	ND	ND	ND	8 (4)	µg/m3
Carbon tetrachloride	ND	ND	ND	ND	ND	8 (5)	µg/m3
Chlorobenzene	ND	ND	ND	ND	ND	8 (4)	µg/m3
Chloroform	83	98	181	29	16	8 (3)	µg/m3
2-Chlorotoluene	ND	ND	ND	ND	ND	8 (4)	µg/m3
4-Chlorotoluene	ND	ND	ND	ND	ND	8 (4)	µg/m3
Dibromochloromethane	ND	ND	ND	ND	ND	8 (4)	µg/m3
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	8 (6)	µg/m3
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	ND	8 (3)	µg/m3
Dibromomethane	ND	ND	ND	ND	ND	8 (3)	µg/m3
1,2- Dichlorobenzene	ND	ND	ND	ND	ND	8 (4)	µg/m3
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	8 (4)	µg/m3
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	8 (3)	µg/m3
Dichlorodifluoromethane	208	471	ND	357	ND	8 (5)	µg/m3
1,1-Dichloroethane	ND	ND	ND	ND	ND	8 (4)	µg/m3
1,2-Dichloroethane	ND	ND	ND	ND	ND	8 (5)	µg/m3
1,1-Dichloroethene	ND	14	ND	ND	ND	8 (5)	µg/m3
cis-1,2-Dichloroethene	ND	20	ND	31	ND	8 (3)	µg/m3
trans-1,2-Dichloroethene	10	10	ND	ND	ND	8 (2)	µg/m3
1,2-Dichloropropane	ND	ND	ND	ND	ND	8 (3)	µg/m3
1,3-Dichloropropane	ND	ND	ND	ND	ND	8 (4)	µg/m3
2,2-Dichloropropane	ND	ND	ND	ND	ND	8 (5)	µg/m3
1,1-Dichloropropene	ND	ND	ND	ND	ND	8 (4)	µg/m3

JONES ENVIRONMENTAL LABORATORY RESULTS

EPA 8260B – Volatile Organics by GC/MS + Oxygenates

<u>Sample ID:</u>	NP-3-13	NP-3-33	NP-3-53	NP-2-15	NP-2-37		
<u>Jones ID:</u>	D-1409-21	D-1409-22	D-1409-23	D-1409-24	D-1409-25	<u>Practical Quantitation Limit (MDL)</u>	<u>Units</u>
Analytes:							
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	8 (3)	µg/m3
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	8 (3)	µg/m3
Ethylbenzene	ND	ND	ND	ND	ND	8 (4)	µg/m3
Freon 113	17 J	37 J	37 J	8 J	41	40 (5)	µg/m3
Hexachlorobutadiene	ND	ND	ND	ND	ND	8 (8)	µg/m3
Isopropylbenzene	ND	ND	ND	ND	ND	8 (3)	µg/m3
4-Isopropyltoluene	ND	ND	ND	ND	ND	8 (4)	µg/m3
Methylene chloride	ND	ND	ND	ND	ND	8 (3)	µg/m3
Naphthalene	ND	ND	ND	ND	ND	40 (6)	µg/m3
n-Propylbenzene	ND	ND	ND	ND	ND	8 (4)	µg/m3
Styrene	ND	ND	ND	ND	ND	8 (3)	µg/m3
1,1,1,2-Tetrachloroethane	502	1240	587	145	147	8 (4)	µg/m3
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	8 (5)	µg/m3
Tetrachloroethene	5120000*	8030000*	3480000*	1270000*	1450000*	8 (3)	µg/m3
Toluene	ND	20	ND	ND	ND	8 (3)	µg/m3
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	40 (6)	µg/m3
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	8 (5)	µg/m3
1,1,1-Trichloroethane	ND	8	ND	ND	ND	8 (4)	µg/m3
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	8 (4)	µg/m3
Trichloroethene	5120	4790	3210	3350	2600	8 (3)	µg/m3
Trichlorofluoromethane	ND	ND	ND	ND	ND	8 (5)	µg/m3
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	8 (4)	µg/m3
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	8 (5)	µg/m3
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	8 (4)	µg/m3
Vinyl chloride	ND	ND	ND	ND	ND	8 (4)	µg/m3
m,p-Xylene	ND	ND	ND	ND	ND	8 (6)	µg/m3
o-Xylene	ND	ND	ND	ND	ND	8 (5)	µg/m3
MTBE	ND	ND	ND	ND	ND	40 (9)	µg/m3
Ethyl-tert-butylether	ND	ND	ND	ND	ND	40 (22)	µg/m3
Di-isopropylether	ND	ND	ND	ND	ND	40 (5)	µg/m3
tert-amylmethylether	ND	ND	ND	ND	ND	40 (6)	µg/m3
tert-Butylalcohol	ND	ND	ND	ND	ND	400 (38)	µg/m3
TIC:							
n-Pentane	ND	ND	ND	ND	ND	400	µg/m3
n-Hexane	ND	ND	ND	ND	ND	400	µg/m3
n-Heptane	ND	ND	ND	ND	ND	400	µg/m3
<u>Dilution Factor</u>	1/2500*	1/2500*	1/2500*	1/250*	1/250*		
Surrogate Recoveries:						<u>QC Limits</u>	
Dibromofluoromethane	98%	102%	126%	119%	132%	60 - 140	
Toluene-d8	87%	85%	99%	94%	104%	60 - 140	
4-Bromofluorobenzene	82%	76%	86%	101%	90%	60 - 140	
D1-111617- D-1409	D1-111617- D-1409	E2-111617- CHECKS	E1-111617- CHECKS	E2-111617- CHECKS			

ND= Not Detected

J Flag = Estimated Value



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Geosyntec Consultants
Client Address: 199 S. Hudson Avenue, Suite 110
Pasadena, CA

Report date: 11/16/2017
Jones Ref. No.: D-1409
Client Ref. No.: HR1305D

Attn: Mital Desai

Date Sampled: 11/16/2017
Date Received: 11/16/2017
Date Analyzed: 11/16/2017

Project Address: 777 North Front Street
Burbank, CA

Physical State: Soil Gas

EPA 8260B – Volatile Organics by GC/MS + Oxygenates

<u>Sample ID:</u>	NP-2-51	NP-2-81	NP-1-19	NP-1-19 REP	NP-1-49		
<u>Jones ID:</u>	D-1409-26	D-1409-27	D-1409-28	D-1409-29	D-1409-30	<u>Practical Quantitation Limit (MDL)</u>	<u>Units</u>
Analytes:							
Benzene	ND	ND	ND	ND	ND	8 (3)	µg/m3
Bromobenzene	ND	ND	ND	ND	ND	8 (5)	µg/m3
Bromodichloromethane	4 J	ND	ND	ND	ND	8 (3)	µg/m3
Bromoform	ND	ND	ND	ND	ND	8 (5)	µg/m3
n-Butylbenzene	ND	ND	ND	ND	ND	8 (4)	µg/m3
sec-Butylbenzene	ND	ND	ND	ND	ND	8 (4)	µg/m3
tert-Butylbenzene	ND	ND	ND	ND	ND	8 (4)	µg/m3
Carbon tetrachloride	ND	ND	ND	ND	ND	8 (5)	µg/m3
Chlorobenzene	ND	ND	ND	ND	ND	8 (4)	µg/m3
Chloroform	93	109	ND	ND	10	8 (3)	µg/m3
2-Chlorotoluene	ND	ND	ND	ND	ND	8 (4)	µg/m3
4-Chlorotoluene	ND	ND	ND	ND	ND	8 (4)	µg/m3
Dibromochloromethane	ND	ND	ND	ND	ND	8 (4)	µg/m3
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	8 (6)	µg/m3
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	ND	8 (3)	µg/m3
Dibromomethane	ND	ND	ND	ND	ND	8 (3)	µg/m3
1,2- Dichlorobenzene	ND	ND	ND	ND	ND	8 (4)	µg/m3
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	8 (4)	µg/m3
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	8 (3)	µg/m3
Dichlorodifluoromethane	ND	ND	79	90	1720	8 (5)	µg/m3
1,1-Dichloroethane	ND	ND	ND	ND	ND	8 (4)	µg/m3
1,2-Dichloroethane	ND	ND	ND	ND	ND	8 (5)	µg/m3
1,1-Dichloroethene	45	129	ND	ND	192	8 (5)	µg/m3
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	8 (3)	µg/m3
trans-1,2-Dichloroethene	8	ND	ND	ND	ND	8 (2)	µg/m3
1,2-Dichloropropane	ND	ND	ND	ND	ND	8 (3)	µg/m3
1,3-Dichloropropane	ND	ND	ND	ND	ND	8 (4)	µg/m3
2,2-Dichloropropane	ND	ND	ND	ND	ND	8 (5)	µg/m3
1,1-Dichloropropene	ND	ND	ND	ND	ND	8 (4)	µg/m3

JONES ENVIRONMENTAL LABORATORY RESULTS

EPA 8260B – Volatile Organics by GC/MS + Oxygenates

<u>Sample ID:</u>	NP-2-51	NP-2-81	NP-1-19	NP-1-19 REP	NP-1-49		
<u>Jones ID:</u>	D-1409-26	D-1409-27	D-1409-28	D-1409-29	D-1409-30	<u>Practical Quantitation Limit (MDL)</u>	<u>Units</u>
Analytes:							
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	8 (3)	µg/m3
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	8 (3)	µg/m3
Ethylbenzene	ND	ND	ND	ND	ND	8 (4)	µg/m3
Freon 113	141	108	ND	ND	76	40 (5)	µg/m3
Hexachlorobutadiene	ND	ND	ND	ND	ND	8 (8)	µg/m3
Isopropylbenzene	ND	ND	ND	ND	ND	8 (3)	µg/m3
4-Isopropyltoluene	ND	ND	ND	ND	ND	8 (4)	µg/m3
Methylene chloride	ND	ND	ND	ND	ND	8 (3)	µg/m3
Naphthalene	ND	ND	ND	ND	ND	40 (6)	µg/m3
n-Propylbenzene	ND	ND	ND	ND	ND	8 (4)	µg/m3
Styrene	ND	ND	ND	ND	ND	8 (3)	µg/m3
1,1,1,2-Tetrachloroethane	514	131	ND	ND	ND	8 (4)	µg/m3
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	8 (5)	µg/m3
Tetrachloroethene	3150000*	1570000*	26500	20000	21800	8 (3)	µg/m3
Toluene	10	ND	ND	ND	ND	8 (3)	µg/m3
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	40 (6)	µg/m3
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	8 (5)	µg/m3
1,1,1-Trichloroethane	ND	ND	1100	1090	1010	8 (4)	µg/m3
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	8 (4)	µg/m3
Trichloroethene	3990	3380	38	82	54	8 (3)	µg/m3
Trichlorofluoromethane	5 J	ND	ND	ND	5 J	8 (5)	µg/m3
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	8 (4)	µg/m3
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	8 (5)	µg/m3
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	8 (4)	µg/m3
Vinyl chloride	ND	ND	ND	ND	ND	8 (4)	µg/m3
m,p-Xylene	ND	ND	ND	ND	ND	8 (6)	µg/m3
o-Xylene	ND	ND	ND	ND	ND	8 (5)	µg/m3
MTBE	ND	ND	ND	ND	ND	40 (9)	µg/m3
Ethyl-tert-butylether	ND	ND	ND	ND	ND	40 (22)	µg/m3
Di-isopropylether	ND	ND	ND	ND	ND	40 (5)	µg/m3
tert-amylmethylether	ND	ND	ND	ND	ND	40 (6)	µg/m3
tert-Butylalcohol	ND	ND	ND	ND	ND	400 (38)	µg/m3
TIC:							
n-Pentane	ND	ND	ND	ND	ND	400	µg/m3
n-Hexane	ND	ND	ND	ND	ND	400	µg/m3
n-Heptane	ND	ND	ND	ND	ND	400	µg/m3
<u>Dilution Factor</u>	1/250*	1/250*	1	1	1		
<u>Surrogate Recoveries:</u>						<u>QC Limits</u>	
Dibromofluoromethane	118%	131%	114%	114%	116%	60 - 140	
Toluene-d8	95%	99%	95%	94%	95%	60 - 140	
4-Bromofluorobenzene	97%	89%	90%	88%	102%	60 - 140	
E1-111617- CHECKS	E2-111617- CHECKS	E2-111617- CHECKS	E2-111617- CHECKS	E2-111617- CHECKS	E1-111617- CHECKS		

ND= Not Detected

J Flag = Estimated Value



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Geosyntec Consultants
Client Address: 199 S. Hudson Avenue, Suite 110
Pasadena, CA

Attn: Mital Desai

Project Address: 777 North Front Street
Burbank, CA

Report date: 11/16/2017
Jones Ref. No.: D-1409
Client Ref. No.: HR1305D

Date Sampled: 11/16/2017
Date Received: 11/16/2017
Date Analyzed: 11/16/2017
Physical State: Soil Gas

EPA 8260B – Volatile Organics by GC/MS + Oxygenates

Sample ID: NP-1-70 NP-1-85

Jones ID: D-1409-31 D-1409-32

Analytes:

			<u>Practical</u> <u>Quantitation</u> <u>Limit (MDL)</u>	<u>Units</u>
Benzene	ND	ND	8 (3)	µg/m3
Bromobenzene	ND	ND	8 (5)	µg/m3
Bromodichloromethane	6 J	5 J	8 (3)	µg/m3
Bromoform	ND	ND	8 (5)	µg/m3
n-Butylbenzene	ND	ND	8 (4)	µg/m3
sec-Butylbenzene	ND	ND	8 (4)	µg/m3
tert-Butylbenzene	ND	ND	8 (4)	µg/m3
Carbon tetrachloride	ND	ND	8 (5)	µg/m3
Chlorobenzene	ND	ND	8 (4)	µg/m3
Chloroform	21	22	8 (3)	µg/m3
2-Chlorotoluene	ND	ND	8 (4)	µg/m3
4-Chlorotoluene	ND	ND	8 (4)	µg/m3
Dibromochloromethane	ND	ND	8 (4)	µg/m3
1,2-Dibromo-3-chloropropane	ND	ND	8 (6)	µg/m3
1,2-Dibromoethane (EDB)	ND	ND	8 (3)	µg/m3
Dibromomethane	ND	ND	8 (3)	µg/m3
1,2-Dichlorobenzene	ND	ND	8 (4)	µg/m3
1,3-Dichlorobenzene	ND	ND	8 (4)	µg/m3
1,4-Dichlorobenzene	ND	ND	8 (3)	µg/m3
Dichlorodifluoromethane	2530	2900	8 (5)	µg/m3
1,1-Dichloroethane	ND	260	8 (4)	µg/m3
1,2-Dichloroethane	ND	ND	8 (5)	µg/m3
1,1-Dichloroethene	443	1090	8 (5)	µg/m3
cis-1,2-Dichloroethene	ND	ND	8 (3)	µg/m3
trans-1,2-Dichloroethene	ND	ND	8 (2)	µg/m3
1,2-Dichloropropane	ND	ND	8 (3)	µg/m3
1,3-Dichloropropane	ND	ND	8 (4)	µg/m3
2,2-Dichloropropane	ND	ND	8 (5)	µg/m3
1,1-Dichloropropene	ND	ND	8 (4)	µg/m3

JONES ENVIRONMENTAL LABORATORY RESULTS

EPA 8260B – Volatile Organics by GC/MS + Oxygenates

Sample ID:	NP-1-70	NP-1-85		
Jones ID:	D-1409-31	D-1409-32	Practical Quantitation Limit (MDL)	Units
Analytes:				
cis-1,3-Dichloropropene	ND	ND	8 (3)	µg/m3
trans-1,3-Dichloropropene	ND	ND	8 (3)	µg/m3
Ethylbenzene	ND	ND	8 (4)	µg/m3
Freon 113	98	34 J	40 (5)	µg/m3
Hexachlorobutadiene	ND	ND	8 (8)	µg/m3
Isopropylbenzene	ND	ND	8 (3)	µg/m3
4-Isopropyltoluene	ND	ND	8 (4)	µg/m3
Methylene chloride	ND	ND	8 (3)	µg/m3
Naphthalene	ND	ND	40 (6)	µg/m3
n-Propylbenzene	ND	ND	8 (4)	µg/m3
Styrene	ND	ND	8 (3)	µg/m3
1,1,1,2-Tetrachloroethane	ND	11	8 (4)	µg/m3
1,1,2,2-Tetrachloroethane	ND	ND	8 (5)	µg/m3
Tetrachloroethene	13200	46200	8 (3)	µg/m3
Toluene	ND	ND	8 (3)	µg/m3
1,2,3-Trichlorobenzene	ND	ND	40 (6)	µg/m3
1,2,4-Trichlorobenzene	ND	ND	8 (5)	µg/m3
1,1,1-Trichloroethane	455	157	8 (4)	µg/m3
1,1,2-Trichloroethane	ND	ND	8 (4)	µg/m3
Trichloroethene	86	508	8 (3)	µg/m3
Trichlorofluoromethane	ND	ND	8 (5)	µg/m3
1,2,3-Trichloropropane	ND	ND	8 (4)	µg/m3
1,2,4-Trimethylbenzene	ND	ND	8 (5)	µg/m3
1,3,5-Trimethylbenzene	ND	ND	8 (4)	µg/m3
Vinyl chloride	ND	ND	8 (4)	µg/m3
m,p-Xylene	ND	ND	8 (6)	µg/m3
o-Xylene	ND	ND	8 (5)	µg/m3
MTBE	ND	ND	40 (9)	µg/m3
Ethyl-tert-butylether	ND	ND	40 (22)	µg/m3
Di-isopropylether	ND	ND	40 (5)	µg/m3
tert-amylmethylether	ND	ND	40 (6)	µg/m3
tert-Butylalcohol	ND	ND	400 (38)	µg/m3
TIC:				
n-Pentane	ND	ND	400	µg/m3
n-Hexane	ND	ND	400	µg/m3
n-Heptane	ND	ND	400	µg/m3
Dilution Factor	1	1		
Surrogate Recoveries:			QC Limits	
Dibromofluoromethane	118%	118%	60 - 140	
Toluene-d ₈	94%	94%	60 - 140	
4-Bromofluorobenzene	101%	101%	60 - 140	
	E1-111617- CHECKS	E1-111617- CHECKS		

ND= Not Detected

J Flag = Estimated Value



714-449-9937
562-646-1611
805-399-0060

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JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

Client: Geosyntec Consultants
Client Address: 199 S. Hudson Avenue, Suite 110
Pasadena, CA

Attn: Mital Desai

Project Address: 777 North Front Street
Burbank, CA

Report date: 11/16/2017
Jones Ref. No.: D-1409
Client Ref. No.: HR1305D

Date Sampled: 11/16/2017
Date Received: 11/16/2017
Date Analyzed: 11/16/2017
Physical State: Soil Gas

EPA 8260B – Volatile Organics by GC/MS + Oxygenates

<u>Sample ID:</u>	METHOD BLANK	SAMPLING BLANK	METHOD BLANK	SAMPLING BLANK	METHOD BLANK	<u>Practical Quantitation Limit (MDL)</u>	<u>Units</u>
<u>Jones ID:</u>	111617- D1MB	111617- D1SB	111617- E1MB	111617- E1SB	111617- E2MB		
Analytes:							
Benzene	ND	ND	ND	ND	ND	8 (3)	µg/m3
Bromobenzene	ND	ND	ND	ND	ND	8 (5)	µg/m3
Bromodichloromethane	ND	ND	ND	ND	ND	8 (3)	µg/m3
Bromoform	ND	ND	ND	ND	ND	8 (5)	µg/m3
n-Butylbenzene	ND	ND	ND	ND	ND	8 (4)	µg/m3
sec-Butylbenzene	ND	ND	ND	ND	ND	8 (4)	µg/m3
tert-Butylbenzene	ND	ND	ND	ND	ND	8 (4)	µg/m3
Carbon tetrachloride	ND	ND	ND	ND	ND	8 (5)	µg/m3
Chlorobenzene	ND	ND	ND	ND	ND	8 (4)	µg/m3
Chloroform	ND	ND	ND	ND	ND	8 (3)	µg/m3
2-Chlorotoluene	ND	ND	ND	ND	ND	8 (4)	µg/m3
4-Chlorotoluene	ND	ND	ND	ND	ND	8 (4)	µg/m3
Dibromochloromethane	ND	ND	ND	ND	ND	8 (4)	µg/m3
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	8 (6)	µg/m3
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	ND	8 (3)	µg/m3
Dibromomethane	ND	ND	ND	ND	ND	8 (3)	µg/m3
1,2- Dichlorobenzene	ND	ND	ND	ND	ND	8 (4)	µg/m3
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	8 (4)	µg/m3
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	8 (3)	µg/m3
Dichlorodifluoromethane	ND	ND	ND	ND	ND	8 (5)	µg/m3
1,1-Dichloroethane	ND	ND	ND	ND	ND	8 (4)	µg/m3
1,2-Dichloroethane	ND	ND	ND	ND	ND	8 (5)	µg/m3
1,1-Dichloroethene	ND	ND	ND	ND	ND	8 (5)	µg/m3
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	8 (3)	µg/m3
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	8 (2)	µg/m3
1,2-Dichloropropane	ND	ND	ND	ND	ND	8 (3)	µg/m3
1,3-Dichloropropane	ND	ND	ND	ND	ND	8 (4)	µg/m3
2,2-Dichloropropane	ND	ND	ND	ND	ND	8 (5)	µg/m3
1,1-Dichloropropene	ND	ND	ND	ND	ND	8 (4)	µg/m3

JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

EPA 8260B – Volatile Organics by GC/MS + Oxygenates

Sample ID:

METHOD SAMPLING METHOD SAMPLING METHOD
BLANK BLANK BLANK BLANK BLANK

Jones ID:

111617-
D1MB

111617-
D1SB

111617-
E1MB

111617-
E1SB

111617-
E2MB

**Practical
Quantitation
Limit (MDL)**

Units

Analytes:

cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	8 (3)	µg/m3
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	8 (3)	µg/m3
Ethylbenzene	ND	ND	ND	ND	ND	8 (4)	µg/m3
Freon 113	ND	ND	ND	ND	ND	40 (5)	µg/m3
Hexachlorobutadiene	ND	ND	ND	ND	ND	8 (8)	µg/m3
Isopropylbenzene	ND	ND	ND	ND	ND	8 (3)	µg/m3
4-Isopropyltoluene	ND	ND	ND	ND	ND	8 (4)	µg/m3
Methylene chloride	ND	ND	ND	ND	ND	8 (3)	µg/m3
Naphthalene	ND	ND	ND	ND	ND	40 (6)	µg/m3
n-Propylbenzene	ND	ND	ND	ND	ND	8 (4)	µg/m3
Styrene	ND	ND	ND	ND	ND	8 (3)	µg/m3
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	8 (4)	µg/m3
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	8 (5)	µg/m3
Tetrachloroethene	ND	ND	ND	ND	ND	8 (3)	µg/m3
Toluene	ND	ND	ND	ND	ND	8 (3)	µg/m3
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	40 (6)	µg/m3
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	8 (5)	µg/m3
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	8 (4)	µg/m3
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	8 (4)	µg/m3
Trichloroethene	ND	ND	ND	ND	ND	8 (3)	µg/m3
Trichlorofluoromethane	ND	ND	ND	ND	ND	8 (5)	µg/m3
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	8 (4)	µg/m3
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	8 (5)	µg/m3
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	8 (4)	µg/m3
Vinyl chloride	ND	ND	ND	ND	ND	8 (4)	µg/m3
m,p-Xylene	ND	ND	ND	ND	ND	8 (6)	µg/m3
o-Xylene	ND	ND	ND	ND	ND	8 (5)	µg/m3
MTBE	ND	ND	ND	ND	ND	40 (9)	µg/m3
Ethyl-tert-butylether	ND	ND	ND	ND	ND	40 (22)	µg/m3
Di-isopropylether	ND	ND	ND	ND	ND	40 (5)	µg/m3
tert-amylmethylether	ND	ND	ND	ND	ND	40 (6)	µg/m3
tert-Butylalcohol	ND	ND	ND	ND	ND	400 (38)	µg/m3

TIC:

n-Pentane	ND	ND	ND	ND	ND	400	µg/m3
n-Hexane	ND	ND	ND	ND	ND	400	µg/m3
n-Heptane	ND	ND	ND	ND	ND	400	µg/m3

Dilution Factor

1 1 1 1 1

Surrogate Recoveries:

Dibromofluoromethane	96%	95%	118%	120%	109%	<u>QC Limits</u>
Toluene-d ₈	85%	87%	99%	98%	96%	60 - 140
4-Bromofluorobenzene	83%	133%	100%	98%	91%	60 - 140

D1-111617- D1-111617- E1-111617- E1-111617- E2-111617-
D-1409 D-1409 CHECKS CHECKS CHECKS

ND= Not Detected

J Flag = Estimated Value



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805-399-0060

11007 FOREST PLACE
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JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

Client: Geosyntec Consultants
Client Address: 199 S. Hudson Avenue, Suite 110
Pasadena, CA

Attn: Mital Desai

Project Address: 777 North Front Street
Burbank, CA

Report date: 11/16/2017
Jones Ref. No.: D-1409
Client Ref. No.: HR1305D

Date Sampled: 11/16/2017
Date Received: 11/16/2017
Date Analyzed: 11/16/2017
Physical State: Soil Gas

EPA 8260B – Volatile Organics by GC/MS + Oxygenates

<u>Sample ID:</u>	SAMPLING BLANK	<u>Practical Quantitation Limit (MDL)</u>	<u>Units</u>
Jones ID:	111617- E2SB		
Analytes:			
Benzene	ND	8 (3)	µg/m3
Bromobenzene	ND	8 (5)	µg/m3
Bromodichloromethane	ND	8 (3)	µg/m3
Bromoform	ND	8 (5)	µg/m3
n-Butylbenzene	ND	8 (4)	µg/m3
sec-Butylbenzene	ND	8 (4)	µg/m3
tert-Butylbenzene	ND	8 (4)	µg/m3
Carbon tetrachloride	ND	8 (5)	µg/m3
Chlorobenzene	ND	8 (4)	µg/m3
Chloroform	ND	8 (3)	µg/m3
2-Chlorotoluene	ND	8 (4)	µg/m3
4-Chlorotoluene	ND	8 (4)	µg/m3
Dibromochloromethane	ND	8 (4)	µg/m3
1,2-Dibromo-3-chloropropane	ND	8 (6)	µg/m3
1,2-Dibromoethane (EDB)	ND	8 (3)	µg/m3
Dibromomethane	ND	8 (3)	µg/m3
1,2-Dichlorobenzene	ND	8 (4)	µg/m3
1,3-Dichlorobenzene	ND	8 (4)	µg/m3
1,4-Dichlorobenzene	ND	8 (3)	µg/m3
Dichlorodifluoromethane	ND	8 (5)	µg/m3
1,1-Dichloroethane	ND	8 (4)	µg/m3
1,2-Dichloroethane	ND	8 (5)	µg/m3
1,1-Dichloroethene	ND	8 (5)	µg/m3
cis-1,2-Dichloroethene	ND	8 (3)	µg/m3
trans-1,2-Dichloroethene	ND	8 (2)	µg/m3
1,2-Dichloropropane	ND	8 (3)	µg/m3
1,3-Dichloropropane	ND	8 (4)	µg/m3
2,2-Dichloropropane	ND	8 (5)	µg/m3
1,1-Dichloropropene	ND	8 (4)	µg/m3

JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

EPA 8260B – Volatile Organics by GC/MS + Oxygenates

<u>Sample ID:</u>	SAMPLING BLANK		
<u>Jones ID:</u>	111617- E2SB	<u>Practical Quantitation Limit (MDL)</u>	<u>Units</u>
Analytes:			
cis-1,3-Dichloropropene	ND	8 (3)	µg/m3
trans-1,3-Dichloropropene	ND	8 (3)	µg/m3
Ethylbenzene	ND	8 (4)	µg/m3
Freon 113	ND	40 (5)	µg/m3
Hexachlorobutadiene	ND	8 (8)	µg/m3
Isopropylbenzene	ND	8 (3)	µg/m3
4-Isopropyltoluene	ND	8 (4)	µg/m3
Methylene chloride	ND	8 (3)	µg/m3
Naphthalene	ND	40 (6)	µg/m3
n-Propylbenzene	ND	8 (4)	µg/m3
Styrene	ND	8 (3)	µg/m3
1,1,1,2-Tetrachloroethane	ND	8 (4)	µg/m3
1,1,2,2-Tetrachloroethane	ND	8 (5)	µg/m3
Tetrachloroethene	ND	8 (3)	µg/m3
Toluene	ND	8 (3)	µg/m3
1,2,3-Trichlorobenzene	ND	40 (6)	µg/m3
1,2,4-Trichlorobenzene	ND	8 (5)	µg/m3
1,1,1-Trichloroethane	ND	8 (4)	µg/m3
1,1,2-Trichloroethane	ND	8 (4)	µg/m3
Trichloroethene	ND	8 (3)	µg/m3
Trichlorofluoromethane	ND	8 (5)	µg/m3
1,2,3-Trichloropropane	ND	8 (4)	µg/m3
1,2,4-Trimethylbenzene	ND	8 (5)	µg/m3
1,3,5-Trimethylbenzene	ND	8 (4)	µg/m3
Vinyl chloride	ND	8 (4)	µg/m3
m,p-Xylene	ND	8 (6)	µg/m3
o-Xylene	ND	8 (5)	µg/m3
MTBE	ND	40 (9)	µg/m3
Ethyl-tert-butylether	ND	40 (22)	µg/m3
Di-isopropylether	ND	40 (5)	µg/m3
tert-amylmethylether	ND	40 (6)	µg/m3
tert-Butylalcohol	ND	400 (38)	µg/m3
TIC:			
n-Pentane	ND	400	µg/m3
n-Hexane	ND	400	µg/m3
n-Heptane	ND	400	µg/m3
<u>Dilution Factor</u>	1		
<u>Surrogate Recoveries:</u>		<u>QC Limits</u>	
Dibromofluoromethane	110%	60 - 140	
Toluene-d8	95%	60 - 140	
4-Bromofluorobenzene	96%	60 - 140	

E2-111617-
CHECKS

ND= Not Detected

J Flag = Estimated Value



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562-646-1611
805-399-0060

11007 FOREST PLACE
SANTA FE SPRINGS, CA 90670
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JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

Client:	Geosyntec Consultants	Report date:	11/16/2017
Client Address:	199 S. Hudson Avenue, Suite 110 Pasadena, CA	Jones Ref. No.:	D-1409
		Client Ref. No.:	HR1305D
Attn:	Mital Desai	Date Sampled:	11/16/2017
		Date Received:	11/16/2017
		Date Analyzed:	11/16/2017
Project Address:	777 North Front Street Burbank, CA	Physical State:	Soil Gas

EPA 8260B – Volatile Organics by GC/MS + Oxygenates

Batch ID:	D1-111617-D-1409					
Jones ID:	111617-D1LCS	111617-D1LCSD			111617-D1CCV	
	LCS	LCSD		Acceptability		Acceptability
<u>Parameter</u>	Recovery (%)	Recovery (%)	<u>RPD</u>	Range (%)	<u>CCV</u>	Range (%)
Vinyl chloride	73%	74%	2.0%	70 - 130	69%	80 - 120
1,1-Dichloroethene	96%	99%	3.3%	70 - 130	97%	80 - 120
Cis-1,2-Dichloroethene	96%	99%	3.0%	70 - 130	88%	80 - 120
1,1,1-Trichloroethane	91%	90%	0.6%	70 - 130	86%	80 - 120
Benzene	107%	110%	3.1%	70 - 130	86%	80 - 120
Trichloroethene	115%	113%	1.8%	70 - 130	99%	80 - 120
Toluene	104%	108%	4.2%	70 - 130	100%	80 - 120
Tetrachloroethene	106%	105%	1.5%	70 - 130	102%	80 - 120
Chlorobenzene	110%	119%	7.8%	70 - 130	100%	80 - 120
Ethylbenzene	115%	122%	6.0%	70 - 130	107%	80 - 120
1,2,4 Trimethylbenzene	121%	124%	3.0%	70 - 130	113%	80 - 120
<u>Surrogate Recovery:</u>						
Dibromofluoromethane	95%	97%		60 - 140	95%	60 - 140
Toluene-d ₈	85%	88%		60 - 140	91%	60 - 140
4-Bromofluorobenzene	87%	91%		60 - 140	95%	60 - 140

LCS = Laboratory Control Sample

LCSD = Laboratory Control Sample Duplicate

CCV = Continuing Calibration Verification

RPD = Relative Percent Difference; Acceptability range for RPD is ≤ 15%



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JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

Client:	Geosyntec Consultants	Report date:	11/16/2017
Client Address:	199 S. Hudson Avenue, Suite 110 Pasadena, CA	Jones Ref. No.:	D-1409
		Client Ref. No.:	HR1305D
Attn:	Mital Desai	Date Sampled:	11/16/2017
		Date Received:	11/16/2017
		Date Analyzed:	11/16/2017
Project Address:	777 North Front Street Burbank, CA	Physical State:	Soil Gas

EPA 8260B – Volatile Organics by GC/MS + Oxygenates

Batch ID:	E1-111617-CHECKS					
Jones ID:	111617-E1LCS	111617-E1LCSD			111617-E1CCV	
	LCS	LCSD		Acceptability		Acceptability
<u>Parameter</u>	Recovery (%)	Recovery (%)	<u>RPD</u>	Range (%)	<u>CCV</u>	Range (%)
Vinyl chloride	80%	81%	0.4%	70 - 130	101%	80 - 120
1,1-Dichloroethene	48%	54%	11.7%	70 - 130	82%	80 - 120
Cis-1,2-Dichloroethene	123%	126%	2.0%	70 - 130	90%	80 - 120
1,1,1-Trichloroethane	116%	115%	0.6%	70 - 130	118%	80 - 120
Benzene	119%	122%	2.4%	70 - 130	120%	80 - 120
Trichloroethene	123%	121%	2.1%	70 - 130	130%	80 - 120
Toluene	134%	133%	0.8%	70 - 130	115%	80 - 120
Tetrachloroethene	130%	128%	1.8%	70 - 130	108%	80 - 120
Chlorobenzene	136%	131%	3.7%	70 - 130	122%	80 - 120
Ethylbenzene	135%	129%	4.2%	70 - 130	112%	80 - 120
1,2,4 Trimethylbenzene	146%	129%	12.0%	70 - 130	123%	80 - 120
<u>Surrogate Recovery:</u>						
Dibromofluoromethane	116%	116%		60 - 140	119%	60 - 140
Toluene-d ₈	95%	95%		60 - 140	94%	60 - 140
4-Bromofluorobenzene	104%	102%		60 - 140	101%	60 - 140

LCS = Laboratory Control Sample

LCSD = Laboratory Control Sample Duplicate

CCV = Continuing Calibration Verification

RPD = Relative Percent Difference; Acceptability range for RPD is ≤ 15%



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JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

Client:	Geosyntec Consultants	Report date:	11/16/2017
Client Address:	199 S. Hudson Avenue, Suite 110 Pasadena, CA	Jones Ref. No.:	D-1409
		Client Ref. No.:	HR1305D
Attn:	Mital Desai	Date Sampled:	11/16/2017
		Date Received:	11/16/2017
		Date Analyzed:	11/16/2017
Project Address:	777 North Front Street Burbank, CA	Physical State:	Soil Gas

EPA 8260B – Volatile Organics by GC/MS + Oxygenates

Batch ID:	E2-111617-CHECKS					
Jones ID:	111617-E2LCS	111617-E2LCSD			111617-E2CCV	
	LCS	LCSD		Acceptability		Acceptability
<u>Parameter</u>	Recovery (%)	Recovery (%)	<u>RPD</u>	Range (%)	<u>CCV</u>	Range (%)
Vinyl chloride	87%	105%	19.2%	70 - 130	112%	80 - 120
1,1-Dichloroethene	133%	126%	5.8%	70 - 130	104%	80 - 120
Cis-1,2-Dichloroethene	134%	139%	3.6%	70 - 130	86%	80 - 120
1,1,1-Trichloroethane	124%	143%	14.4%	70 - 130	127%	80 - 120
Benzene	110%	129%	16.4%	70 - 130	110%	80 - 120
Trichloroethene	118%	134%	13.0%	70 - 130	115%	80 - 120
Toluene	115%	128%	10.7%	70 - 130	110%	80 - 120
Tetrachloroethene	131%	145%	10.4%	70 - 130	115%	80 - 120
Chlorobenzene	116%	132%	12.5%	70 - 130	106%	80 - 120
Ethylbenzene	119%	135%	12.5%	70 - 130	104%	80 - 120
1,2,4 Trimethylbenzene	115%	136%	16.1%	70 - 130	110%	80 - 120
<u>Surrogate Recovery:</u>						
Dibromofluoromethane	105%	117%		60 - 140	103%	60 - 140
Toluene-d ₈	95%	97%		60 - 140	94%	60 - 140
4-Bromofluorobenzene	94%	96%		60 - 140	92%	60 - 140

LCS = Laboratory Control Sample

LCSD = Laboratory Control Sample Duplicate

CCV = Continuing Calibration Verification

RPD = Relative Percent Difference; Acceptability range for RPD is ≤ 15%



11007 Forest Pl.
Santa Fe Springs, CA 90670
(714) 449-9937
Fax (714) 449-9685
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Soil-Gas Chain-of-Custody Record

Client
Geosyntec Consultants

Project Name
777 N. Front Street Supp Inv

Project Address
777 N. Front Street

Burbank, CA

Email

Phone
818-808-6189

Report To
Mital Desai

Sampler
SEJ/AO

Date
11/16/2017

Client Project #
HR1305D

Purge Number:
☐ 1P ☐ 3P ☐ 7P ☐ 10P

Shut-In Test: Y / N

Report Options
EDD _____
EDF* - 10% Surcharge _____

*Global ID _____

LAB USE ONLY

Jones Project #
D-1409

Page
1 of **5**

Sample Container:

Glass Gas Tight Syringes

If different than above, see Notes.

Turn Around Requested

- ☐ Immediate Attention
☐ Rush 24 Hours
☐ Rush 48 Hours
☐ Rush 72 Hours
☐ Normal
☐ Mobile Lab

Tracer

- ☐ n-pentane
☒ n-hexane
☐ n-heptane
☐ Helium
☐ 1,1-DFA
☐ n-propane

Analysis Requested

Soil Gas (SG), Air (A), Material (M)	EPA 8260	Magnehelic Vacuum (in/H ₂ O)	Number of Containers
SG	X	<2	2

Reporting Limits Requested

- ☐ Commercial ☒ Residential

Units

ug/m³

Sample ID	Purge Number	Purge Volume (mL)	Date	Sample Collection Time	Sample Analysis Time	Laboratory Sample ID	Purge Rate (mL/min)	Pump Used	Magnehelic	Sample Matrix: Soil Gas (SG), Air (A), Material (M)	EPA 8260	Magnehelic Vacuum (in/H ₂ O)	Number of Containers	Notes & Special Instructions
NP-8-17	3	72300	11/16/17	7:44	7:55	D-1409-01	4000	BIGPUMP.2	M100-111	SG	X	<2	2	
NP-8-37	3	77500	11/16/17	8:05	8:16	D-1409-02	4000	BIGPUMP.2	M100-111	SG	X	<2	2	
NP-8-37 REP	3	77500	11/16/17	8:11	8:33	D-1409-03	4000	BIGPUMP.2	M100-111	SG	X	<2	2	
NP-8-57	3	55400	11/16/17	8:42	8:52	D-1409-04	4000	BIGPUMP.2	M100-111	SG	X	<2	2	
NP-8-80	3	61400	11/16/17	9:04	9:16	D-1409-05	4000	BIGPUMP.2	M100-111	SG	X	<2	2	
NP-7-17	3	72500	11/16/17	7:58	8:02	D-1409-06	4000	SKC.1	118012	SG	X	<2	2	
NP-7-17 REP	3	72500	11/16/17	8:14	8:19	D-1409-07	4000	SKC.1	118012	SG	X	<2	2	
NP-7-35	3	49900	11/16/17	7:43	7:54	D-1409-08	4000	SKC.1	M100-109	SG	X	<2	2	
NP-7-53	3	54500	11/16/17	8:33	8:46	D-1409-09	4000	SKC.1	M100-109	SG	X	<2	2	
NP-6-15	3	71800	11/16/17	9:01	9:15	D-1409-10	4000	SKC.1	118012	SG	X	<2	2	

Relinquished By (Signature)
Goodwin Wharton

Printed Name
Goodwin Wharton

Company
Geosyntec

Date
11/16/17

Time
14:05

Relinquished By (Signature)

Printed Name

Company

Date

Time

Received By (Signature)
JEL

Printed Name

Company
JEL

Date
11/16/17

Time
14:05

Received By Laboratory (Signature)

Printed Name

Company

Date

Time

20 Total Number of Containers

Client signature on this Chain of Custody form constitutes acknowledgement that the above analyses have been requested, and the information provided herein is correct and accurate.



11007 Forest Pl.
Santa Fe Springs, CA 90670
(714) 449-9937
Fax (714) 449-9685
www.jonesenv.com

Soil-Gas Chain-of-Custody Record

Client
Geosyntec Consultants

Project Name
777 N. Front Street Supp Inv

Project Address
777 N. Front Street

Burbank, CA

Email

Phone
818-808-6189

Date
11/16/2017

Client Project #
HR1305D

Purge Number:
☐ 1P ☒ 3P ☐ 7P ☐ 10P

Shut-In Test: **Y** / N

Report Options
EDD _____
EDF* - 10% Surcharge _____

*Global ID _____

LAB USE ONLY

Jones Project #
D-1409

Page
2 of **5**

Sample Container:

Glass Gas Tight Syringes

If different than above, see Notes.

Report To
Mital Desai

Sampler
SEJ/AO

Turn Around Requested

- ☐ Immediate Attention
☐ Rush 24 Hours
☐ Rush 48 Hours
☐ Rush 72 Hours
☐ Normal
☒ Mobile Lab

Tracer

- ☐ n-pentane
☒ n-hexane
☐ n-heptane
☐ Helium
☐ 1,1-DFA
☐ **n-propane**

Analysis Requested

Sample Matrix:
Soil Gas (SG), Air (A), Material (M)
EPA 8260

Reporting Limits Requested

- ☐ Commercial ☒ Residential

Units
µg/m³

Sample ID	Purge Number	Purge Volume (mL)	Date	Sample Collection Time	Sample Analysis Time	Laboratory Sample ID	Purge Rate (mL/min)	Pump Used	Magnehelic	Sample Matrix: Soil Gas (SG), Air (A), Material (M)	EPA 8260	Magnehelic Vacuum (in/H ₂ O)	Number of Containers	Notes & Special Instructions
NP-6-40	3	71800	11/16/17	9:03	9:07	D-1409-11	4000	SKC.1	M100-109	SG	X	<2	2	
NP-6-60	3	56200	11/16/17	9:26	9:30	D-1409-12	4000	SKC.1	118012	SG	X	<2	2	
NP-6-86	3	45100	11/16/17	9:28	9:31	D-1409-13	4000	SKC.1	M100-109	SG	X	<2	2	
NP-5-15	3	71900	11/16/17	9:34	9:46	D-1409-14	4000	BIGPUMP.2	M100-111	SG	X	<2	2	
NP-5-35	3	77100	11/16/17	9:55	10:07	D-1409-15	4000	BIGPUMP.2	M100-111	SG	X	<2	2	
NP-5-57	3	55500	11/16/17	10:21	10:33	D-1409-16	4000	BIGPUMP.2	M100-111	SG	X	<2	2	
NP-4-13	3	71400	11/16/17	9:57	10:09	D-1409-17	4000	SKC.1	118012	SG	X	<2	2	
NP-4-13 DIL			11/16/17	10:22	10:37	-	4000	SKC.1	M100-109	SG	X	<2	2	
NP-4-35	3	77100	11/16/17	10:00	10:11	D-1409-18	4000	SKC.1	M100-109	SG	X	<2	2	
NP-4-35 DIL			11/16/17	10:28	10:40	-	4000	SKC.1	M100-109	SG	X	<2	2	

Relinquished By (Signature)
Goodwin Wharton

Printed Name
Goodwin Wharton

Company
Geosyntec

Date
11/16/17

Time
14:05

Received By (Signature)
[Signature]

Printed Name
JFC

Company
JFC

Date
11/16/17

Time
14:05

Relinquished By (Signature)

Printed Name

Company

Date

Time

Received By Laboratory (Signature)

Printed Name

Company

Date

Time

Client signature on this Chain of Custody form constitutes acknowledgement that the above analyses have been requested, and the information provided herein is correct and accurate.



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Santa Fe Springs, CA 90670
(714) 449-9937
Fax (714) 449-9685
www.jonesenv.com

Soil-Gas Chain-of-Custody Record

Client Geosyntec Consultants						Date 11/16/2017		Purge Number: ☐ 1P ☐ 3P ☐ 7P ☐ 10P			Report Options EDD _____ EDF* - 10% Surcharge _____			LAB USE ONLY Jones Project # D-1409																									
Project Name 777 N. Front Street Supp Inv						Client Project # HR1305D		Shut-In Test: Y / N			*Global ID _____																												
Project Address 777 N. Front Street																																							
Burbank, CA																																							
Email																																							
Phone 818-808-6189																																							
Report To Mital Desai						Sampler SEJ/AO																																	
Turn Around Requested ☐ Immediate Attention ☐ Rush 24 Hours ☐ Rush 48 Hours ☐ Rush 72 Hours ☐ Normal ☒ Mobile Lab						Tracer ☐ n-pentane ☒ n-hexane ☐ n-heptane ☐ Helium ☐ 1,1-DFA ☐ n-PROPANE		Analysis Requested																															
Reporting Limits Requested ☐ Commercial ☒ Residential						Units µg/m ³																																	
Sample ID						Purge Number		Purge Volume (mL)		Date		Sample Collection Time		Sample Analysis Time		Laboratory Sample ID		Purge Rate (mL/min)		Pump Used		Magnehelic		Sample Matrix: Soil Gas (SG), Air (A), Material (M)		EPA 8260		Magnehelic Vacuum (In/H₂O)		Number of Containers		Notes & Special Instructions							
NP-4-51						3		71200		11/16/17		10:58		11:12		D-1409-19		4000		SKC.1		M100-109		SG		X		<2		2									
NP-4-51 DIL										11/16/17		11:32		11:47		-		4000		SKC.1		M100-109		SG		X		<2		2									
NP-4-83						3		49100		11/16/17		11:00		11:14		D-1409-20		2000		SKC.1		118012		SG		X		<2		2									
NP-4-83 DIL										11/16/17		11:31		11:48		-		2000		SKC.1		118012		SG		X		<2		2									
NP-3-13						3		54000		11/16/17		11:00		11:04		D-1409-21		4000		BIGPUMP.2		M100-111		SG		X		<2		2									
NP-3-13 DIL										11/16/17		11:01		11:22		-		4000		BIGPUMP.2		M100-111		SG		X		<2		2									
NP-3-33						3		49100		11/16/17		13:10		13:21		D-1409-22		2000		BIGPUMP.2		M100-111		SG		X		<2		2									
NP-3-33 DIL										11/16/17		13:27		13:39		-		2000		BIGPUMP.2		M100-111		SG		X		<2		2									
NP-3-53						3		54300		11/16/17		13:03		13:15		D-1409-23		2000		BIGPUMP.2		M100-111		SG		X		<2		2									
NP-3-53 DIL										11/16/17		12:44		12:56		-		2000		BIGPUMP.2		M100-111		SG		X		<2		2									
Relinquished By (Signature) Doodman Wharton						Printed Name Doodman Wharton						Received By (Signature) [Signature]						Printed Name [Signature]						20		Total Number of Containers													
Company Geosyntec						Date 11/16/17						Time 14:05						Company JRI						Date 11/16/17						Time 14:05						Client signature on this Chain of Custody form constitutes acknowledgement that the above analyses have been requested, and the information provided herein is correct and accurate.			
Relinquished By (Signature)						Printed Name						Received By Laboratory (Signature)						Printed Name																					
Company						Date						Time						Company						Date						Time									



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Santa Fe Springs, CA 90670
(714) 449-9937
Fax (714) 449-9685
www.jonesenv.com

Soil-Gas Chain-of-Custody Record

Client
Geosyntec Consultants

Project Name
777 N. Front Street Supp Inv

Project Address
777 N. Front Street

Burbank, CA

Email

Phone
818-808-6189

Report To
Mital Desai

Sampler
SEJ/AO

Date
11/16/2017

Client Project #
HR1305D

Purge Number:
☐ 1P ☐ 3P ☐ 7P ☐ 10P

Shut-In Test: Y / N

Report Options
EDD _____
EDF* - 10% Surcharge _____

*Global ID _____

LAB USE ONLY

Jones Project #

D-1409

Page

4 of 5

Sample Container:

Glass Gas Tight Syringes

If different than above, see Notes.

Turn Around Requested

- ☐ Immediate Attention
☐ Rush 24 Hours
☐ Rush 48 Hours
☐ Rush 72 Hours
☐ Normal
☒ Mobile Lab

Tracer

- ☐ n-pentane
☒ n-hexane
☐ n-heptane
☐ Helium
☐ 1,1-DFA
☐ n-Propane

Analysis Requested

Sample Matrix: Soil Gas (SG), Air (A), Material (M)	EPA 8260	Magnehelic Vacuum (in/H ₂ O)	Number of Containers
SG	X	<2	2
SG	X	<2	2
SG	X	<2	2
SG	X	<2	2
SG	X	<2	2
SG	X	<2	2
SG	X	<2	2
SG	X	<2	2
SG	X	<2	2

Reporting Limits Requested

- ☐ Commercial ☒ Residential

Units

ug/m³

Sample ID	Purge Number	Purge Volume (mL)	Date	Sample Collection Time	Sample Analysis Time	Laboratory Sample ID	Purge Rate (mL/min)	Pump Used	Magnehelic	Sample Matrix: Soil Gas (SG), Air (A), Material (M)	EPA 8260	Magnehelic Vacuum (in/H ₂ O)	Number of Containers	Notes & Special Instructions
NP-2-15	3	71800	11/16/17	10:44	10:55	D-1409-24	4000	SKC.1	M100-109	SG	X	<2	2	
NP-2-15 DIL			11/16/17	11:19	11:30	-	4000	SLC.1	M100-109	SG	X	<2	2	
NP-2-37	3	77500	11/16/17	10:46	10:57	D-1409-25	4000	SKC.1	118012	SG	X	<2	2	
NP-2-37 DIL			11/16/17	11:04	11:31	-	4000	SKC.1	118012	SG	X	<2	2	
NP-2-51	3	53900	11/16/17	11:51	12:05	D-1409-26	2000	SKC.1	M100-109	SG	X	<2	2	
NP-2-51 DIL			11/16/17	12:10	12:22	-	2000	SKC.1	M100-109	SG	X	<2	2	
NP-2-81	3	61700	11/16/17	11:50	12:05	D-1409-27	2000	SKC.1	118012	SG	X	<2	2	
NP-2-81 DIL			11/16/17	12:10	12:22	-	2000	SKC.1	118012	SG	X	<2	2	
NP-1-19	3	72800	11/16/17	12:27	12:39	D-1409-28	4000	SKC.1	M100-109	SG	X	<2	2	
NP-1-19 REP	3	72800	11/16/17	12:44	12:56	D-1409-29	4000	SKC.1	M100-109	SG	X	<2	2	

Relinquished By (Signature)
Goodwin Wharton

Printed Name
Goodwin Wharton

Company
Geosyntec

Date
11/16/17

Time
14:05

Received By (Signature)
JRL

Printed Name
JRL

Company
JRL

Date
11/16/17

Time
14:05

Relinquished By (Signature)

Printed Name

Company

Date

Time

Received By Laboratory (Signature)

Printed Name

Company

Date

Time

Client signature on this Chain of Custody form constitutes acknowledgement that the above analyses have been requested, and the information provided herein is correct and accurate.



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www.jonesenv.com

Soil-Gas Chain-of-Custody Record

Client Geosyntec Consultants						Date 11/16/2017		Purge Number: ☐ 1P ☒ 3P ☐ 7P ☐ 10P				Report Options EDD _____ EDF* - 10% Surcharge _____				LAB USE ONLY Jones Project # D-1409 Page 5 of 5 Sample Container: Glass Gas Tight Syringes If different than above, see Notes.		
Project Name 777 N. Front Street Supp Inv						Client Project # HR1305D		Shut-In Test: (Y) N				*Global ID _____						
Project Address 777 N. Front Street						Turn Around Requested ☐ Immediate Attention ☐ Rush 24 Hours ☐ Rush 48 Hours ☐ Rush 72 Hours ☐ Normal ☒ Mobile Lab		Tracer ☐ n-pentane ☒ n-hexane ☐ n-heptane ☐ Helium ☐ 1,1-DFA ☐ n-Propanol		Analysis Requested Sample Matrix: Soil Gas (SG), Air (A), Material (M) EPA 8260 Magnehelic Vacuum (m/H ₂ O) Number of Containers								
Burbank, CA																		
Email						Reporting Limits Requested ☐ Commercial ☒ Residential		Units mg/m ³		Notes & Special Instructions								
Phone 818-808-6189																		
Report To Mital Desai						Sampler SEJ/AO												
Sample ID	Purge Number	Purge Volume (mL)	Date	Sample Collection Time	Sample Analysis Time	Laboratory Sample ID	Purge Rate (mL/min)	Pump Used	Magnehelic	Sample Matrix: Soil Gas (SG), Air (A), Material (M)	EPA 8260				Magnehelic Vacuum (m/H₂O)	Number of Containers		
NP-1-49	3	80600	11/16/17	12:28	12:40	D-1409-30	4000	SKC.1	M100-109	SG	X				<2	2		
NP-1-70	3	58800	11/16/17	12:46	12:58	D-1409-31	2000	SKC.1	118012	SG	X				<2	2		
NP-1-85	3	57900	11/16/17	13:05	13:16	D-1409-32	2000	SKC.1	M100-109	SG	X				<2	2		
Relinquished By (Signature) <i>Goodwin Wharton</i>						Printed Name Goodwin Wharton		Received By (Signature) <i>[Signature]</i>				Printed Name				6 Total Number of Containers		
Company Geosyntec						Date 11/16/17		Time 14:05		Company JKE				Date 11/16/17		Time 14:05		Client signature on this Chain of Custody form constitutes acknowledgement that the above analyses have been requested, and the information provided herein is correct and accurate.
Relinquished By (Signature)						Printed Name		Received By Laboratory (Signature)				Printed Name						
Company						Date		Time		Company				Date		Time		

Burbank Update ESA

777 Front St

Burbank, CA 91502

Inquiry Number: 5320614.2s

June 04, 2018

The EDR Radius Map™ Report with GeoCheck®



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

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Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

777 FRONT ST
BURBANK, CA 91502

COORDINATES

Latitude (North):	34.1834530 - 34° 11' 0.43"
Longitude (West):	118.3168900 - 118° 19' 0.80"
Universal Transverse Mercator:	Zone 11
UTM X (Meters):	378643.4
UTM Y (Meters):	3783085.8
Elevation:	582 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	5630791 BURBANK, CA
Version Date:	2012

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20140515
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
777 FRONT ST
BURBANK, CA 91502

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	ZERO CORP	777 FRONT ST	FTTS		TP
A2	ZERO CORP.- ZERO WES	777 FRONT	CIWQS		TP
A3	ZERO CORP	777 FRONT ST	HIST FTTS		TP
A4	PACIFIC PIPELINE PRO	777 FRONT	CIWQS		TP
A5	777 NORTH FRONT STRE	777 N FRONT ST	HIST UST, HAZNET		TP
A6	FORD MOTOR LAND DEVE	777 FRONT ST	HAZNET		TP
A7	ZERO CORP	777 N FRONT ST	SEMS-ARCHIVE, RCRA-SQG		TP
A8	T.O.W. PRODUCTIONS C	777 FRONT ST	HAZNET		TP
A9	FORD LEASING DEVELOP	777 FRONT ST	HAZNET		TP
A10	ZERO WEST DIV	777 FRONT ST	CPS-SLIC, SWEEPS UST, HIST UST, HIST CORTESE, WIP		TP
A11	PACIFIC PIPELINE PRO	777 FRONT	FINDS		TP
A12	BURBANK	777 FRONT STREET	ICIS, FINDS, ECHO		TP
A13	ZERO CORP.- ZERO WES	777 FRONT	FINDS		TP
A14	FORD LEASING DEVELOP	777 FRONT STREET	FINDS		TP
A15	ZERO WEST DIVISION	777 FRONT STREET	EMI		TP
A16	JERRY GATES-THE CROW	777 FRONT ST	HAZNET		TP
A17	RED LINE/3RD TIME PR	777 FRONT ST	HAZNET		TP
A18	ZERO WEST DIV	777 N FRONT ST	LOS ANGELES CO. HMS		TP
A19	INDEPENDENCE INC	777 FRONT ST	HAZNET		TP
Reg	SAN FERNANDO VALLEY	CRYSTAL SPRINGS WELL	NPL, SEMS, US ENG CONTROLS, ENVIROSTOR, HIST...	Same	1 ft.
Reg	SAN FERNANDO VALLEY	NORTH HOLLYWOOD WELL	NPL, SEMS, US ENG CONTROLS, US INST CONTROL,...	Same	368, 0.070, WNW
B20	SWANER HARDWOOD COMP	5 WEST MAGNOLIA BLVD	HIST UST	Lower	274, 0.052, SSE
B21	SWANER HARDWOOD CO I	5 W MAGNOLIA BLVD	RCRA-SQG, UST, SWEEPS UST, CA FID UST, FINDS,...	Lower	274, 0.052, SSE
B22	SWANER HARDWOOD COMP	5 W MAGNOLIA BLVD	HIST UST	Lower	274, 0.052, SSE
23	CITY UNIFORM SERV	554 N FIRST ST	DRYCLEANERS	Higher	338, 0.064, East
C24	ARIES PREPARED BEEF	17 W MAGNOLIA BLVD	LOS ANGELES CO. HMS, WIP	Lower	396, 0.075, SSE
D25	UNI-PLATE-INC	6 WEST BURBANK BLVD	HIST UST, HAZNET	Higher	416, 0.079, WNW
D26	UNI-PLATE INCORPORAT	6 W. BURBANK BLVD.	CPS-SLIC, HIST UST, WIP	Higher	416, 0.079, WNW
D27	UNI-PLATE	6 WEST BURBANK BLVD	SEMS	Higher	416, 0.079, WNW
D28	WRIGHT PLASTIC PRODU	100 W BURBANK BLVD	LOS ANGELES CO. HMS, WIP	Higher	421, 0.080, WNW
D29	FILM CONVERTOR CO. O	10 W BURBANK BLVD	LOS ANGELES CO. HMS, WIP	Higher	465, 0.088, WNW
E30	BURBANK YD	4 WEST BURBANK BLVD	HIST UST	Higher	478, 0.091, North
E31	BURBANK YARD	4 W BURBANK BLVD	SWEEPS UST, CA FID UST, LOS ANGELES CO. HMS	Higher	478, 0.091, North
D32	UNION AIRCRAFT COMPA	906 N LAKE ST	LOS ANGELES CO. HMS, WIP	Higher	496, 0.094, West
F33	S & H MACHINE INC.	900 N LAKE ST	WIP	Lower	498, 0.094, West
D34	D&W TUBE BENDING	918 N LAKE ST	LOS ANGELES CO. HMS, WIP	Higher	505, 0.096, WNW
D35	PACIFIC SOUTHERN SIE	904 N LAKE ST	WIP	Higher	511, 0.097, West
D36	MARICHU INCORPORATED	20 W BURBANK BLVD	WIP	Higher	515, 0.098, WNW
F37	KARLEE COMPANY INCOR	826 N LAKE ST	WIP	Lower	537, 0.102, West

MAPPED SITES SUMMARY

Target Property Address:
777 FRONT ST
BURBANK, CA 91502

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
B38	L&D MANUFACTURING CO	432 N VARNEY ST	RCRA-SQG, FINDS, ECHO, LOS ANGELES CO. HMS	Lower	540, 0.102, South
G39	BURBANK WTR RECLM.PL	2 W. CHESTNUT ST.	Notify 65	Lower	545, 0.103, WSW
F40	ALLIED ENVELOPE & CO	828 N LAKE ST	WIP	Lower	550, 0.104, West
H41	BENKORSKI AND SILTAM	350 N BONNYWOOD PL	SWEEPS UST, LOS ANGELES CO. HMS	Higher	550, 0.104, SE
H42	SILTAMAKI, R.W. MFG.	350 N BONNYWOOD PL	HIST UST, WIP	Higher	550, 0.104, SE
D43	1928 JEWELRY COMPANY	1000 N LAKE ST	CPS-SLIC, WIP	Higher	554, 0.105, WNW
F44	HARLAN E. RUSHING IN	818 N LAKE ST	WIP	Lower	557, 0.105, West
I45	THREE D PLASTICS INC	430 N VARNEY ST	RCRA-SQG, FINDS, ECHO, HAZNET, NPDES, WIP, CIWQS	Lower	566, 0.107, South
H46	SOLAR UNLIMITED INCO	56 E MAGNOLIA BLVD	LOS ANGELES CO. HMS, WIP	Higher	583, 0.110, SE
H47	WARREN LEE	56 E MAGNOLIA BLVD	EDR Hist Auto	Higher	583, 0.110, SE
C48	AMERICOLD CORP.	10 W MAGNOLIA	LOS ANGELES CO. HMS, WIP	Lower	589, 0.112, SSE
C49	INTL ELECTRONIC RESE	410 N VARNEY ST	HIST UST, EMI	Lower	590, 0.112, SSE
I50	COWAN PRECISION GRIN	424 N VARNEY ST	WIP	Lower	594, 0.112, South
E51	FRIEND S AUTOMOTIVE	109 E BURBANK BLVD	EDR Hist Auto	Higher	596, 0.113, North
G52	VER SALES INCORPORAT	810 N LAKE ST	WIP	Lower	596, 0.113, WSW
H53	CASPINO CO.	64 E MAGNOLIA BLVD	WIP	Higher	600, 0.114, ESE
F54	PATTERSON GRAPHICS C	903 N LAKE ST	WIP	Higher	611, 0.116, West
I55	RESERVAIR STAR FIRE	422 N VARNEY ST	WIP	Lower	616, 0.117, South
56	MC MASTER B A	5 E MAGNOLIA BLVD	EDR Hist Auto	Higher	626, 0.119, ESE
I57	GAMUT ENGINEERING CO	420 N VARNEY ST	WIP	Lower	627, 0.119, South
F58	COLOR MASTERS PRINTI	901 N LAKE ST	WIP	Higher	628, 0.119, West
I59	COATING FACILITY	410 N VARNEY ST	HIST UST	Lower	630, 0.119, SSE
G60	MARK SMITH CO.	800 N LAKE ST	WIP	Lower	634, 0.120, WSW
F61	G P C	831 N LAKE ST #3	LOS ANGELES CO. HMS, WIP	Higher	635, 0.120, West
I62	ORO AMERICA INC	443 N VARNEY ST	RCRA-SQG, CPS-SLIC, EMI, HAZNET, LOS ANGELES CO....	Lower	643, 0.122, South
F63	CREATIONS	825 N LAKE ST #A	CPS-SLIC, LOS ANGELES CO. HMS, WIP	Lower	652, 0.123, West
I64	G.R.MCCORMICK ENG. &	416 N VARNEY ST	LOS ANGELES CO. HMS, WIP	Lower	656, 0.124, SSE
I65	THREE D PLASTICS INC	440 N VARNEY ST	RCRA-SQG, FINDS, ECHO, HAZNET	Lower	656, 0.124, South
F66	PACIFIC SOUTHERN SIE	821 N LAKE ST	WIP	Lower	677, 0.128, West
J67	CARRIER CORPORATION	1020 N LAKE	RCRA-SQG, FINDS, ECHO, HAZNET	Higher	680, 0.129, WNW
H68	PLASTI-GRAPH PRODUCT	350 BONNYWOOD PL	WIP	Higher	693, 0.131, SE
F69	VIACOM PRODUCTIONS	817 N LAKE ST	WIP	Lower	698, 0.132, WSW
E70	CHUCK MERCIER'S UNIO	901 N SAN FERNANDO B	UST	Higher	699, 0.132, North
E71	CHUCK MERCIER UNOCAL	901 N SAN FERNANDO B	SWEEPS UST, CA FID UST	Higher	699, 0.132, North
E72	UNION OIL SERVICE ST	901 N SAN FERNANDO B	HIST UST	Higher	699, 0.132, North
E73	SERVICE STATION 2477	901 N SAN FERNANDO B	HIST UST	Higher	699, 0.132, North
G74	TRUSSELL COMPANY INC	732 N LAKE ST	WIP	Lower	724, 0.137, SW
K75	RASMUSSEN'S GARAGE	110 W BURBANK BLVD	LOS ANGELES CO. HMS, WIP	Higher	726, 0.138, WNW
K76	R.C. MERCER FILM PAT	106 W BURBANK BLVD	WIP	Higher	727, 0.138, WNW

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MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
F77	AGFA DIVISION BAYER	914 NORTH VICTORY BL	RCRA-SQG	Higher	730, 0.138, West
F78	HORIZON PRODUCTIONS	914 N VICTORY BLVD	CPS-SLIC, HAZNET, WIP	Higher	730, 0.138, West
G79	PC NEWS AGENCY	728 N LAKE ST	WIP	Lower	739, 0.140, SW
G80	MARK HINES COMPANY	724 N LAKE ST	WIP	Lower	743, 0.141, SW
L81	BURBANK ENGRAVERS IN	120 W CYPRESS AVE	WIP	Lower	743, 0.141, SSW
E82	SERVICE STATION 2477	901 N SAN FERNANDO R	HIST UST, HAZNET	Higher	745, 0.141, North
83	CITY OF BURBANK RECY	720 N LAKE ST	SWEEPS UST, LOS ANGELES CO. HMS, WIP	Lower	748, 0.142, SW
J84	NORTH LAKE STAGE	1011 N LAKE ST	WIP	Higher	751, 0.142, WNW
I85	CRAIG'S MACHINING	419 N VARNEY ST	LOS ANGELES CO. HMS, WIP	Lower	754, 0.143, South
J86	BUCONE CORP.	1017 N LAKE ST	LOS ANGELES CO. HMS, WIP	Higher	781, 0.148, WNW
L87	BURBANK SIGN COMPANY	454 N MOSS ST	WIP	Lower	788, 0.149, South
H88	FAB-IT MFG INC.	53 E PALM AVE	LOS ANGELES CO. HMS, WIP	Higher	788, 0.149, SE
I89	ACCENT ON WINDOWS	423 N VARNEY ST #A	LOS ANGELES CO. HMS, WIP	Lower	790, 0.150, South
J90	PIONEER TECHNOLOGY C	1021 N LAKE ST	LOS ANGELES CO. HMS, WIP	Higher	805, 0.152, WNW
M91	CROWN 1HR CLEANERS	928 N SAN FERNANDO R	RCRA-SQG, FINDS, ECHO	Higher	813, 0.154, North
M92	CROWN 1 HR. CLEANERS	928 N SAN FERNANDO R	DRYCLEANERS	Higher	813, 0.154, North
M93	BURBANK CLEANERS	928 N SAN FERNANDO	DRYCLEANERS	Higher	813, 0.154, North
K94	CITY OF BURBANK	124 E BURBANK BLVD	SWEEPS UST, LOS ANGELES CO. HMS, WIP	Higher	821, 0.155, WNW
L95	LEE ENGINEERING CO.	440 N MOSS ST	LOS ANGELES CO. HMS, WIP	Lower	828, 0.157, South
J96	G & M GRINDING CO.	1025 N LAKE ST	WIP	Higher	830, 0.157, WNW
J97	B.M.PEARCE COMPANY	107 W BURBANK BLVD	WIP	Higher	853, 0.162, WNW
J98	ZEPCO	101 W BURBANK BLVD	LOS ANGELES CO. HMS, WIP	Higher	853, 0.162, WNW
N99	CVS PHARMACY #9601	1015 N SAN FERNANDO	RCRA-LQG, FINDS, ECHO, HAZNET	Higher	854, 0.162, NNW
M100	KMART 3834	1000 SAN FERNANDO RO	RCRA-CESQG	Higher	862, 0.163, North
O101	IKEA FURNITURE	600 N SAN FERNANDO	SWEEPS UST, CA FID UST	Higher	864, 0.164, ENE
O102	IKEA	600 N SAN FERNANDO B	UST, EMI, HAZNET	Higher	864, 0.164, ENE
J103	MASTERCRAFT METAL	1010 VICTORY PL.	CPS-SLIC, EMI, ENF, LOS ANGELES CO. HMS, WIP	Higher	878, 0.166, WNW
P104	GENERAL FACILITIES I	40 E PALM AVE	LOS ANGELES CO. HMS, WIP	Higher	879, 0.166, SE
Q105	BWP MAGNOLIA POWER P	110 W MAGNOLIA BLVD	AST	Lower	884, 0.167, SSE
P106	TOUCH-FLO MANUFACTUR	75 E PALM AVE	LOS ANGELES CO. HMS, WIP	Higher	887, 0.168, ESE
Q107	CTS ELECTRONIC COMPO	413 N MOSS ST	RCRA-SQG, FINDS, ECHO, LOS ANGELES CO. HMS, WDS	Lower	904, 0.171, South
Q108	INTL ELECTRONIC RESE	135 W MAGNOLIA BL	CPS-SLIC, EMI	Lower	904, 0.171, South
L109	ANDREWS INTERNATIONAL	455 N MOSS ST	RCRA-SQG	Lower	917, 0.174, SSW
P110	FLIGHT CENTER	72 E PALM AVE	RCRA-SQG, FINDS, ECHO, LOS ANGELES CO. HMS, WIP	Higher	920, 0.174, ESE
R111	TERRY LUMBER CO	640 N VICTORY BLVD	SWEEPS UST, WIP	Lower	922, 0.175, SSW
R112	TERRY LUMBER	640 N VICTORY BLVD	UST	Lower	922, 0.175, SSW
J113	R C PRIVISION INC	1016 VICTORY PL	LOS ANGELES CO. HMS, WIP	Higher	922, 0.175, WNW
N114	KEYSTON BROTHERS	1100 SCOTT RD	LOS ANGELES CO. HMS, WIP	Higher	935, 0.177, NNW
K115	CHEVRON #9-5538	923 VICTORY	LUST, HIST CORTESE	Higher	945, 0.179, West

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S116	MICHAEL ALGAZY	428 MOSS ST	RCRA NonGen / NLR, FINDS, ECHO	Lower	974, 0.184, South
T117	CANTEBURY TERMITE &	1048 N LAKE ST	WIP	Higher	977, 0.185, WNW
S118	JOHN W. TORRANCE COM	441 N MOSS ST	WIP	Lower	980, 0.186, South
P119	L.E.C. TRADERS	249 N FIRST ST	WIP	Higher	987, 0.187, ESE
S120	MARK'S OFF ROAD ENTE	437 N MOSS ST	LOS ANGELES CO. HMS, WIP	Lower	990, 0.188, South
121	ALL AMERICAN SPORTS	1000 N SAN FERNANDO	RCRA-SQG, FINDS, ECHO	Higher	995, 0.188, North
U122	EFX SYSTEMS	919 N VICTORY BLVD	WIP	Higher	1004, 0.190, West
T123	LOCKHEED AIR TERMNAL		ENVIROSTOR	Higher	1018, 0.193, NW
T124	LOCKHEED-CALIFORNIA		ENVIROSTOR	Higher	1018, 0.193, NW
T125	AFP #14, STORAGE ANN		ENVIROSTOR	Higher	1018, 0.193, NW
126	HYRAIL	415 N. FRONT ST.	CPS-SLIC, WIP	Lower	1033, 0.196, SE
V127	ACME AUTOWORK	738 N. VICTORY BLVD.	CPS-SLIC, ENF, LOS ANGELES CO. HMS, WIP	Lower	1039, 0.197, WSW
W128	FOUR WHEEL PARTS WHO	825 N VICTORY BLVD	RCRA-SQG, SWEEPS UST, LOS ANGELES CO. HMS	Higher	1041, 0.197, WSW
W129	VORELCO INC.	825 N. VICTORY BLVD.	CPS-SLIC, HIST UST, WIP	Higher	1041, 0.197, WSW
W130	VOLKSWAGON OF AMERIC	825 N VICTORY BLVD	HIST UST, HAZNET	Higher	1041, 0.197, WSW
U131	OMNIA	903 N VICTORY BLVD	HAZNET, WIP	Higher	1044, 0.198, West
X132	L & M BLACK OXIDE CO	1019 VICTORY PL	CPS-SLIC, RCRA NonGen / NLR, ENF, WIP	Higher	1050, 0.199, WNW
P133	KOVACS TOOL & DIE	231 N FIRST ST	WIP	Higher	1051, 0.199, ESE
P134	ROTORDYNE	231 N FIRST ST	WIP	Higher	1051, 0.199, ESE
T135	MONARCH ATHLETIC SUP	1040 N VICTORY PL	WIP	Higher	1051, 0.199, WNW
U136	SERVICE STATION 0881	900 W BURBANK BLVD	HIST UST	Higher	1053, 0.199, West
U137	UNION OIL SERVICE ST	900 W BURBANK BLVD	HIST UST	Higher	1053, 0.199, West
U138	SERVICE STATION 0881	900 WEST BURBANK BLV	HIST UST	Higher	1053, 0.199, West
U139	MERCIERS UNOCAL #II	900 W BURBANK BLVD	SWEEPS UST, CA FID UST, WIP	Higher	1053, 0.199, West
U140	UNION OIL SERVICE ST	900 WEST BURBANK BLV	HIST UST	Higher	1053, 0.199, West
Y141	PRECISION MILLING CO	161 W CYPRESS AVE	LOS ANGELES CO. HMS, NPDES, WDS, WIP, CIWQS	Lower	1069, 0.202, SSW
T142	STUDIO SPECTRUM INCO	1056 N LAKE ST	WIP	Higher	1070, 0.203, WNW
Y143	GEORGIANA	150 W CYPRESS AVE #F	LOS ANGELES CO. HMS, WIP	Lower	1070, 0.203, SSW
P144	ROADWAY MFG. CO. INC	33 E ORANGE GROVE AV	WIP	Higher	1103, 0.209, SE
S145	NONE	151 WEST MAGNOLIA BL	HIST UST	Lower	1105, 0.209, South
S146	DEBURRING	151 W MAGNOLIA BLVD	HIST UST	Lower	1105, 0.209, South
X147	MACH TECH,INC.	1021 N VICTORY PL	WIP	Higher	1108, 0.210, WNW
Q148	PSD	164 W MAGNOLIA BLVD	UST	Lower	1113, 0.211, South
Q149	MAGNOLIA POWER PLANT	164 WEST MAGNOLIA BL	ENVIROSTOR, VCP, HIST UST	Lower	1113, 0.211, South
Q150	BURBANK PUBLIC SERVI	164 W MAGNOLIA BLVD	HIST UST	Lower	1113, 0.211, South
Q151	BURBANK CITY, BURBAN	164 W MAGNOLIA BLVD	LUST, CPS-SLIC, AST, SWEEPS UST, CA FID UST,...	Lower	1113, 0.211, South
Q152		164 W MAGNOLIA BLVD	AST	Lower	1113, 0.211, South
Q153	BWP BURBANK STATION	164 W MAGNOLIA BLVD	AST	Lower	1113, 0.211, South
Q154	BURBANK WATER AND PO	164 W MAGNOLIA BLVD	RCRA-SQG, PADS, ICIS, US AIRS, LOS ANGELES CO....	Lower	1113, 0.211, South

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X155	PLASTI WARE COMPANY	1033 N VICTORY PL	WIP	Higher	1113, 0.211, WNW
Z156	PHOTO STOP	1121E N SAN FERNANDO	RCRA-SQG, HAZNET	Higher	1116, 0.211, NNW
X157	INTERTEK METALLURGIC	1023 N VICTORY PL	WIP	Higher	1125, 0.213, WNW
T158	FIRING LINE	1060 N LAKE ST	LOS ANGELES CO. HMS, WIP	Higher	1134, 0.215, WNW
U159	PMI PROP MASTER INC	912 ISABEL ST	CPS-SLIC, WIP	Higher	1138, 0.216, West
U160	AERO INDUSTRIAL CO I	912 ISABEL ST	RCRA NonGen / NLR, FINDS, ECHO	Higher	1138, 0.216, West
X161	FOUR X DOCTOR	1031 VICTORY PL	RCRA-SQG, FINDS, ECHO	Higher	1139, 0.216, WNW
X162	MIKE DUNCAN'S FOUR X	1031 N VICTORY PL	WIP	Higher	1139, 0.216, WNW
AA163	MARJON INDUSTRIES	1120 SCOTT RD	RCRA-SQG, HIST UST, CA FID UST, FINDS, ECHO, WIP	Higher	1142, 0.216, NNW
AA164	MARJON INDUSTRIES IN	1120 SCOTT RD	SWEEPS UST, LOS ANGELES CO. HMS	Higher	1142, 0.216, NNW
P165	TOUCH-FLO MFG.	59 E ORANGE GROVE AV	WIP	Higher	1143, 0.216, SE
AA166	CANNON EQUIPMENT INC	1122 SCOTT RD	WIP	Higher	1148, 0.217, NNW
AB167	UNOCAL #0881	900 BURBANK BLVD W	LUST	Higher	1150, 0.218, West
R168	IMAGE ENGINEERING IN	632 N VICTORY BLVD	EMI, WIP	Lower	1150, 0.218, SSW
169	EXPRESSLY PORTRAITS	201 E MAGNOLIA UNIT	RCRA-SQG, FINDS, ECHO	Higher	1152, 0.218, East
U170	MATO PLASTICS	919 ISABEL ST	WIP	Higher	1156, 0.219, West
U171	CAL CLIMATE CORP.	919 ISABEL ST	WIP	Higher	1156, 0.219, West
U172	NORMAN GRIFFIN STUDI	919 ISABEL ST	WIP	Higher	1156, 0.219, West
U173	SHAMPANORE PRESS	919 W ISABEL ST	WIP	Higher	1156, 0.219, West
AC174	BURBANK PUBLIC SERVI	164 MAGNOLIA BLVD W	LUST, HIST CORTESE	Lower	1167, 0.221, South
T175	WILSONS METAL EXCHAN	1062 N VICTORY PL	WDS, WIP	Higher	1173, 0.222, WNW
S176	ORO AMERICA	413 N. MOSS ST	WIP	Lower	1176, 0.223, South
V177	CON-FERR PRODUCTS IN	733 N VICTORY BLVD	LOS ANGELES CO. HMS, WIP	Higher	1176, 0.223, WSW
AD178	MEDI RIDE INC	700 N VICTORY BLVD	RCRA-SQG, FINDS, ECHO	Lower	1177, 0.223, SW
AD179	ECONOMY ROOF & INSUL	700 N VICTORY BLVD	WIP	Lower	1177, 0.223, SW
X180	NELSON AEROSPACE INC	1037 N VICTORY PL	WIP	Higher	1185, 0.224, WNW
U181	MAGNOLIA HOUSING PRO		ENVIROSTOR	Higher	1206, 0.228, West
AB182	95538	923 W BURBANK BLVD	HIST UST	Higher	1211, 0.229, West
AB183	95538	923 BURBANK BLVD	SWEEPS UST, HIST UST	Higher	1211, 0.229, West
Z184	MALY'S OF CALIFORNIA	1121 N SAN FERNANDO	LUST, LOS ANGELES CO. HMS, WIP	Higher	1228, 0.233, NNW
AE185	CRAFT PRECISION PROD	1045 N VICTORY PL	WIP	Higher	1235, 0.234, WNW
V186	B M S AIRCRAFT CO.	717 N VICTORY BLVD	WIP	Lower	1240, 0.235, SW
Z187	RALPHS GROCERY COMPA	1100 N SAN FERNANDO	RCRA-LQG	Higher	1243, 0.235, NNW
Z188	RALPHS #712	1100 N SAN FERNANDO	RCRA-LQG, FINDS, ECHO	Higher	1243, 0.235, NNW
Z189	RALPHS GROCERY COMPA	1100 N SAN FERNANDO	SWRCY, HAZNET	Higher	1243, 0.235, NNW
AC190	TOP RANK COLLISION	163 WEST MAGNOLIA BL	CPS-SLIC	Lower	1243, 0.235, South
AF191	SWISS DANE CORP	36 E ORANGE GROVE AV	RCRA-SQG, FINDS, ECHO	Higher	1246, 0.236, SE
X192	COSTCO WHOLESALE NO	1051 BURBANK BLVD	RCRA-LQG, FINDS, ECHO, HAZNET	Higher	1247, 0.236, WNW
193	KESSLER JEWELERS & M	313 N GOLDEN MALL	WIP	Higher	1251, 0.237, ESE

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AF194	WESTERN KING MANUFAC	48 E ORANGE GROVE AV	WIP	Higher	1258, 0.238, SE
AG195	ARRIFLEX CORP	600 N VICTORY BLVD	RCRA-SQG, FINDS, ECHO, WIP	Lower	1260, 0.239, SSW
AG196	FOAM MART	628 N VICTORY BLVD	WIP	Lower	1261, 0.239, SSW
AG197	FREMONT PRESS	624 N VICTORY BLVD	WIP	Lower	1263, 0.239, SSW
AF198	STERLING TIRE CO	201 N 1ST ST	RCRA-SQG, LUST, FINDS, ECHO, HIST CORTESE	Higher	1282, 0.243, ESE
W199	SPENCE ELECTROPLATIN	917 W CHESTNUT ST	CPS-SLIC, WIP	Higher	1283, 0.243, WSW
V200	EXCELLENT AUTO BODY	912 CHESTNUT ST	LOS ANGELES CO. HMS, WIP	Higher	1288, 0.244, SSW
AF201	ALTA ENGINEERING IN	60 E ORANGE GROVE AV	WIP	Higher	1289, 0.244, SE
Y202	ARDENT SHEET METAL	156 W CYPRESS AVE	WIP	Lower	1290, 0.244, SSW
AH203	BIEKER MACHINE SHOP	918 CHESTNUT ST	LOS ANGELES CO. HMS, WIP	Higher	1295, 0.245, WSW
AE204	DICK CEPEK	1055 N VICTORY PL	WIP	Higher	1308, 0.248, WNW
Z205	CELEBRITY CLEANERS	1121 N SAN FERNANDO	DRYCLEANERS	Higher	1313, 0.249, NNW
Z206	CELEBRITY CLEANERS,	1121 N SAN FERNANDO	DRYCLEANERS	Higher	1313, 0.249, NNW
Z207	CELEBRITY 1 HOUR CLE	1121 N SAN FERNANDO	DRYCLEANERS	Higher	1313, 0.249, NNW
Z208	CELEBRITY CLEANERS	1121 SAN FERNANDO RD	RCRA NonGen / NLR, FINDS, ECHO, DRYCLEANERS	Higher	1313, 0.249, NNW
Z209	CELEBRITY 1 HOUR CLE	1121 N SAN FERNANDO	DRYCLEANERS	Higher	1313, 0.249, NNW
Z210	CELEBRITY CLEANERS	1121 N SAN FERNANDO	EMI, WIP	Higher	1313, 0.249, NNW
AH211	SPENCE ELECTROPLATIN	1001 CHESTNUT ST.	RCRA-LQG, ENVIROSTOR, CPS-SLIC, HIST UST, FINDS,...	Higher	1405, 0.266, WSW
AI212	BURBANK TRANSIT CENT	201 N FRONT ST	ENVIROSTOR, HWP, WIP	Lower	1422, 0.269, SE
AI213	SANDOVAL DIESEL CO	201 A NO FRONT STREE	DEED, HAZNET	Lower	1422, 0.269, SE
AI214	RAILCHEM	201 N. FRONT ST.	SEMS-ARCHIVE, CORRACTS, RCRA-TSDF, RCRA-SQG,...	Lower	1422, 0.269, SE
AI215	METRO LINK STATION	201 FRONT ST	CPS-SLIC, HAZNET	Lower	1422, 0.269, SE
AJ216	SUN ART PLATING CO.	1021 ISABEL ST	CPS-SLIC, WIP	Higher	1580, 0.299, West
AJ217	MIDWEST COMMUNICATIO	1117 ISABEL ST.	CPS-SLIC, CHMIRS, WIP	Higher	1638, 0.310, WSW
218	CITY OF BURBANK	5 OLIVE ST W	LUST, HIST CORTESE	Lower	1659, 0.314, SSE
219	ACSCO PRODUCTS INC	313 N LAKE ST	CPS-SLIC, LOS ANGELES CO. HMS, WIP	Lower	1663, 0.315, South
220	BURBANK GATEWAY CENT	0 3RD & MAGNOLIA BLV	CPS-SLIC	Higher	1669, 0.316, East
AJ221	DYNAMIC PLATING INC	1100-02 ISABEL ST	SEMS, RCRA-SQG, PRP	Higher	1689, 0.320, WSW
AJ222	FORMER DYNAMIC PLATI	1102 WEST ISABEL STR	RESPONSE, ENVIROSTOR, LIENS, Cortese	Higher	1689, 0.320, WSW
AJ223	DYNAMIC PLATING, INC	1102 ISABEL	CPS-SLIC, ENF, WIP	Higher	1689, 0.320, WSW
AK224	TEXACO FOOD MART #02	400 VICTORY BLVD N	LUST, HIST CORTESE	Lower	1740, 0.330, SSW
AL225	AFP #14		ENVIROSTOR	Higher	1747, 0.331, NW
AL226	AF PLANT #14		FUDS	Higher	1749, 0.331, NW
227	VERADYNE CORP.	330 N. VICTORY BLVD.	CPS-SLIC, WIP	Lower	1840, 0.348, South
AK228	MAGNOLIA CAR WASH	910 MAGNOLIA BLVD W	LUST, HIST CORTESE	Lower	1877, 0.355, SSW
AM229	CALIFORNIA COAST COL	1121 ISABEL ST.	CPS-SLIC, CHMIRS, ENF	Higher	1954, 0.370, West
230	L & M EDITORIAL	222 W. PALM AVE.	CPS-SLIC, WIP	Lower	1960, 0.371, South
AN231	RAIL CHEMICAL DIVISI	201 FRONT STREET	ENVIROSTOR	Lower	2007, 0.380, SE
AM232	COMET PLATING CO INC	1207 ISABEL	RCRA-SQG, CPS-SLIC, FINDS, ECHO, ENF, HAZNET	Higher	2089, 0.396, WSW

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AO233	CITY OF BURBANK PUBL	124 S. LAKE ST.	RCRA-SQG, LUST, HIST CORTESE	Lower	2161, 0.409, SSE
AO234	BURBANK CITY, PUB WK	124 S LAKE ST	SWF/LF, SWEEPS UST, HIST UST, EMI, NPDES, CIWQS	Lower	2161, 0.409, SSE
AP235	CIRCUIT CRAFT COMPAN	205 SOUTH FLOWER STR	ENVIROSTOR, ENF, HIST CORTESE	Lower	2187, 0.414, SE
AP236	CIRCUIT CRAFT CORP	205 S FLOWER ST	SEMS-ARCHIVE, RCRA NonGen / NLR, FINDS, ECHO	Lower	2187, 0.414, SE
AP237	GILDERFLUKE & CO.	205 S. FLOWER ST.	CPS-SLIC, WIP	Lower	2187, 0.414, SE
AN238	PACIFIC AIRMOTIVE	217 SOUTH FRONT STRE	ENVIROSTOR	Lower	2206, 0.418, SE
AN239	PACIFIC AIRMOTIVE	217 S FRONT ST	SEMS-ARCHIVE	Lower	2206, 0.418, SE
240	ALERT PLATING CO INC	730 N MARIPOSA	CPS-SLIC, RCRA NonGen / NLR, HAZNET	Higher	2287, 0.433, WSW
AQ241	MENASCO MANUFACTURIN		ENVIROSTOR	Higher	2321, 0.440, East
AQ242	BURBANK FIRE STATION	353 OLIVE AVE E	LUST	Higher	2526, 0.478, East
AQ243	BURBANK FIRE STATION	353 OLIVE	HIST CORTESE	Higher	2526, 0.478, East
244	DREWRY PHOTOCOLOR CO	211 S LAKE ST	ENVIROSTOR, HIST UST	Lower	2641, 0.500, SSE
245	315 S FLOWER ST CURR	315 S FLOWER	RCRA-SQG, ENVIROSTOR, CPS-SLIC, DEED, FINDS, ECHO,.	Lower	2715, 0.514, SE
246	ABIDANK MNFG. COMP.	210 S. VICTORY BLVD.	EMI, Notify 65	Lower	3091, 0.585, South
247	J&M ANODIZING, INC	525 S. FLOWER STREET	RCRA-LQG, ENVIROSTOR, CPS-SLIC, ENF	Lower	3554, 0.673, SE
AR248	LOCKHEED PLANT B1	1705 VICTORY PL.	ENVIROSTOR, CPS-SLIC, SWEEPS UST, CA FID UST, ENF,...	Higher	3580, 0.678, NW
AR249	LOCKHEED MARTIN SITE	1705 N VICTORY PLACE	SEMS-ARCHIVE, CORRACTS, RCRA-TSDF, RCRA-SQG, 2020	Higher	3580, 0.678, NW
250	OVROM PARK AND SCHOO	601 SOUTH SAN FERNAN	ENVIROSTOR, SCH	Lower	3782, 0.716, ESE
251	FIBER RESIN CORP MIC	170 W. PROVIDENCIA A	ENVIROSTOR, CPS-SLIC, EMI, WIP	Lower	3855, 0.730, SSE
252	A-H PLATING	1837 NORTH VICTORY P	RCRA-LQG, ENVIROSTOR, CPS-SLIC, SWEEPS UST, FINDS,.	Higher	4387, 0.831, NW

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 8 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
ZERO CORP 777 FRONT ST BURBANK, CA 91503	FTTS Database: FTTS INSP, Date of Government Version: 04/09/2009	N/A
ZERO CORP.- ZERO WES 777 FRONT BURBANK, CA 91502	CIWQS	N/A
ZERO CORP 777 FRONT ST BURBANK, CA 91503	HIST FTTS Database: HIST FTTS INSP, Date of Government Version: 10/19/2006	N/A
PACIFIC PIPELINE PRO 777 FRONT LOS ANGELES, CA 91502	CIWQS	N/A
777 NORTH FRONT STRE 777 N FRONT ST BURBANK, CA 91502	HIST UST Facility Id: 00000063868 HAZNET GEPAID: CAC002870719	N/A
FORD MOTOR LAND DEVE 777 FRONT ST BURBANK, CA 91502	HAZNET GEPAID: CAC002575491	N/A
ZERO CORP 777 N FRONT ST BURBANK, CA 91503	SEMS-ARCHIVE Site ID: 0901003 EPA Id: CAD008255069 RCRA-SQG EPA ID:: CAD008255069	CAD008255069
T.O.W. PRODUCTIONS C 777 FRONT ST BURBANK, CA 91502	HAZNET GEPAID: CAC000766376	N/A
FORD LEASING DEVELOP 777 FRONT ST BURBANK, CA 91502	HAZNET GEPAID: CAC002602332	N/A

EXECUTIVE SUMMARY

ZERO WEST DIV 777 FRONT ST BURBANK, CA 91502	CPS-SLIC Database: CPS-SLIC, Date of Government Version: 03/12/2018 Global Id: SL0611181789 Facility Status: Open - Site Assessment SWEEPS UST Status: A Comp Number: 9653 HIST UST HIST CORTESE Reg Id: 3118 WIP Facility Status: Backlog	N/A
PACIFIC PIPELINE PRO 777 FRONT LOS ANGELES, CA 91502	FINDS Registry ID:: 110066737785	N/A
BURBANK 777 FRONT STREET BURBANK, CA 91502	ICIS FRS ID:: 110002142556 FINDS Registry ID:: 110002142556 ECHO Registry ID: 110002142556	N/A
ZERO CORP. - ZERO WES 777 FRONT BURBANK, CA 91502	FINDS Registry ID:: 110065522401	N/A
FORD LEASING DEVELOP 777 FRONT STREET BURBANK, CA 91502	FINDS Registry ID:: 110066016028	N/A
ZERO WEST DIVISION 777 FRONT STREET BURBANK, CA 91502	EMI Facility Id: 9056	N/A
JERRY GATES-THE CROW 777 FRONT ST BURBANK, CA 91503	HAZNET GEPAID: CAC001056584	N/A
RED LINE/3RD TIME PR 777 FRONT ST BURBANK, CA 91502	HAZNET GEPAID: CAC001442384	N/A
ZERO WEST DIV 777 N FRONT ST BURBANK, CA 91502	LOS ANGELES CO. HMS	N/A

EXECUTIVE SUMMARY

Facility ID: 009812-009653

INDEPENDENCE INC
777 FRONT ST
BURBANK, CA 91502

HAZNET
GEPAID: CAC001217472

N/A

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

Proposed NPL..... Proposed National Priority List Sites
NPL LIENS..... Federal Superfund Liens

Federal Delisted NPL site list

Delisted NPL..... National Priority List Deletions

Federal CERCLIS list

FEDERAL FACILITY..... Federal Facility Site Information listing

Federal institutional controls / engineering controls registries

LUCIS..... Land Use Control Information System

Federal ERNS list

ERNS..... Emergency Response Notification System

State and tribal leaking storage tank lists

INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land

State and tribal registered storage tank lists

FEMA UST..... Underground Storage Tank Listing
INDIAN UST..... Underground Storage Tanks on Indian Land

State and tribal voluntary cleanup sites

INDIAN VCP..... Voluntary Cleanup Priority Listing

EXECUTIVE SUMMARY

State and tribal Brownfields sites

BROWNFIELDS..... Considered Brownfields Sites Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS..... A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT..... Waste Management Unit Database
HAULERS..... Registered Waste Tire Haulers Listing
INDIAN ODI..... Report on the Status of Open Dumps on Indian Lands
ODI..... Open Dump Inventory
DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations
IHS OPEN DUMPS..... Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

AOCONCERN..... San Gabriel Valley Areas of Concern
US HIST CDL..... Delisted National Clandestine Laboratory Register
SCH..... School Property Evaluation Program
CDL..... Clandestine Drug Labs
Toxic Pits..... Toxic Pits Cleanup Act Sites
US CDL..... National Clandestine Laboratory Register

Local Land Records

LIENS..... Environmental Liens Listing
LIENS 2..... CERCLA Lien Information

Records of Emergency Release Reports

HMIRS..... Hazardous Materials Information Reporting System
CHMIRS..... California Hazardous Material Incident Report System
LDS..... Land Disposal Sites Listing
MCS..... Military Cleanup Sites Listing
SPILLS 90..... SPILLS 90 data from FirstSearch

Other Ascertainable Records

DOD..... Department of Defense Sites
SCRD DRYCLEANERS..... State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR..... Financial Assurance Information
EPA WATCH LIST..... EPA WATCH LIST
2020 COR ACTION..... 2020 Corrective Action Program List
TSCA..... Toxic Substances Control Act
TRIS..... Toxic Chemical Release Inventory System
SSTS..... Section 7 Tracking Systems
RMP..... Risk Management Plans
RAATS..... RCRA Administrative Action Tracking System

EXECUTIVE SUMMARY

PRP.....	Potentially Responsible Parties
PADS.....	PCB Activity Database System
MLTS.....	Material Licensing Tracking System
COAL ASH DOE.....	Steam-Electric Plant Operation Data
COAL ASH EPA.....	Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER.....	PCB Transformer Registration Database
RADINFO.....	Radiation Information Database
DOT OPS.....	Incident and Accident Data
INDIAN RESERV.....	Indian Reservations
FUSRAP.....	Formerly Utilized Sites Remedial Action Program
UMTRA.....	Uranium Mill Tailings Sites
LEAD SMELTERS.....	Lead Smelter Sites
US AIRS.....	Aerometric Information Retrieval System Facility Subsystem
US MINES.....	Mines Master Index File
ABANDONED MINES.....	Abandoned Mines
DOCKET HWC.....	Hazardous Waste Compliance Docket Listing
UXO.....	Unexploded Ordnance Sites
FUELS PROGRAM.....	EPA Fuels Program Registered Listing
CA BOND EXP. PLAN.....	Bond Expenditure Plan
CUPA Listings.....	CUPA Resources List
ENF.....	Enforcement Action Listing
Financial Assurance.....	Financial Assurance Information Listing
ICE.....	ICE
HWT.....	Registered Hazardous Waste Transporter Database
MINES.....	Mines Site Location Listing
MWMP.....	Medical Waste Management Program Listing
NPDES.....	NPDES Permits Listing
PEST LIC.....	Pesticide Regulation Licenses Listing
PROC.....	Certified Processors Database
LA Co. Site Mitigation.....	Site Mitigation List
UIC.....	UIC Listing
WASTEWATER PITS.....	Oil Wastewater Pits Listing
WDS.....	Waste Discharge System
WELL STIM PROJ.....	Well Stimulation Project (GEOTRACKER)
PROJECT.....	PROJECT (GEOTRACKER)
MILITARY PRIV SITES.....	MILITARY PRIV SITES (GEOTRACKER)
NON-CASE INFO.....	NON-CASE INFO (GEOTRACKER)
OTHER OIL GAS.....	OTHER OIL & GAS (GEOTRACKER)
PROD WATER PONDS.....	PROD WATER PONDS (GEOTRACKER)
SAMPLING POINT.....	SAMPLING POINT (GEOTRACKER)
UIC GEO.....	UIC GEO (GEOTRACKER)

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP.....	EDR Proprietary Manufactured Gas Plants
EDR Hist Cleaner.....	EDR Exclusive Historical Cleaners

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF.....	Recovered Government Archive Solid Waste Facilities List
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EXECUTIVE SUMMARY

RGA LUST..... Recovered Government Archive Leaking Underground Storage Tank

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.

Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: Also known as Superfund, the National Priority List database is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund program. The source of this database is the U.S. EPA.

A review of the NPL list, as provided by EDR, and dated 12/11/2017 has revealed that there are 2 NPL sites within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>SAN FERNANDO VALLEY</i>	<i>CRYSTAL SPRINGS WELL</i>	<i>0 - 1/8 (0.000 mi.)</i>	<i>0</i>	<i>25</i>
<i>SAN FERNANDO VALLEY</i>	<i>NORTH HOLLYWOOD WELL</i>	<i>WNW 0 - 1/8 (0.070 mi.)</i>	<i>0</i>	<i>62</i>

Federal CERCLIS list

SEMS: SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly known as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

A review of the SEMS list, as provided by EDR, and dated 01/09/2018 has revealed that there are 4 SEMS sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>SAN FERNANDO VALLEY</i>	<i>CRYSTAL SPRINGS WELL</i>	<i>0 - 1/8 (0.000 mi.)</i>	<i>0</i>	<i>25</i>
<i>SAN FERNANDO VALLEY</i>	<i>NORTH HOLLYWOOD WELL</i>	<i>WNW 0 - 1/8 (0.070 mi.)</i>	<i>0</i>	<i>62</i>
<i>UNI-PLATE</i>	<i>6 WEST BURBANK BLVD</i>	<i>WNW 0 - 1/8 (0.079 mi.)</i>	<i>D27</i>	<i>110</i>
<i>DYNAMIC PLATING INC</i>	<i>1100-02 ISABEL ST</i>	<i>WSW 1/4 - 1/2 (0.320 mi.)</i>	<i>AJ221</i>	<i>399</i>

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Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be potential NPL site.

A review of the SEMS-ARCHIVE list, as provided by EDR, and dated 01/09/2018 has revealed that there are 3 SEMS-ARCHIVE sites within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
RAILCHEM	201 N. FRONT ST.	SE 1/4 - 1/2 (0.269 mi.)	AI214	384
CIRCUIT CRAFT CORP	205 S FLOWER ST	SE 1/4 - 1/2 (0.414 mi.)	AP236	451
PACIFIC AIRMOTIVE	217 S FRONT ST	SE 1/4 - 1/2 (0.418 mi.)	AN239	455

Federal RCRA CORRACTS facilities list

CORRACTS: CORRACTS is a list of handlers with RCRA Corrective Action Activity. This report shows which nationally-defined corrective action core events have occurred for every handler that has had corrective action activity.

A review of the CORRACTS list, as provided by EDR, and dated 12/11/2017 has revealed that there are 2 CORRACTS sites within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
LOCKHEED MARTIN SITE	1705 N VICTORY PLACE	NW 1/2 - 1 (0.678 mi.)	AR249	497
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
RAILCHEM	201 N. FRONT ST.	SE 1/4 - 1/2 (0.269 mi.)	AI214	384

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

A review of the RCRA-TSDF list, as provided by EDR, and dated 12/11/2017 has revealed that there is 1 RCRA-TSDF site within approximately 0.5 miles of the target property.

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<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
RAILCHEM	201 N. FRONT ST.	SE 1/4 - 1/2 (0.269 mi.)	AI214	384

Federal RCRA generators list

RCRA-LQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

A review of the RCRA-LQG list, as provided by EDR, and dated 12/11/2017 has revealed that there are 4 RCRA-LQG sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
CVS PHARMACY #9601	1015 N SAN FERNANDO	NNW 1/8 - 1/4 (0.162 mi.)	N99	163
RALPHS GROCERY COMPA	1100 N SAN FERNANDO	NNW 1/8 - 1/4 (0.235 mi.)	Z187	325
RALPHS #712	1100 N SAN FERNANDO	NNW 1/8 - 1/4 (0.235 mi.)	Z188	328
COSTCO WHOLESALE NO	1051 BURBANK BLVD	WNW 1/8 - 1/4 (0.236 mi.)	X192	339

RCRA-SQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

A review of the RCRA-SQG list, as provided by EDR, and dated 12/11/2017 has revealed that there are 22 RCRA-SQG sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
CARRIER CORPORATION	1020 N LAKE	WNW 1/8 - 1/4 (0.129 mi.)	J67	141
AGFA DIVISION BAYER	914 NORTH VICTORY BL	W 1/8 - 1/4 (0.138 mi.)	F77	149
CROWN 1HR CLEANERS	928 N SAN FERNANDO R	N 1/8 - 1/4 (0.154 mi.)	M91	158
FLIGHT CENTER	72 E PALM AVE	ESE 1/8 - 1/4 (0.174 mi.)	P110	191
ALL AMERICAN SPORTS	1000 N SAN FERNANDO	N 1/8 - 1/4 (0.188 mi.)	121	202
FOUR WHEEL PARTS WHO	825 N VICTORY BLVD	WSW 1/8 - 1/4 (0.197 mi.)	W128	210
PHOTO STOP	1121E N SAN FERNANDO	NNW 1/8 - 1/4 (0.211 mi.)	Z156	298
FOUR X DOCTOR	1031 VICTORY PL	WNW 1/8 - 1/4 (0.216 mi.)	X161	304
MARJON INDUSTRIES	1120 SCOTT RD	NNW 1/8 - 1/4 (0.216 mi.)	AA163	306
EXPRESSLY PORTRAITS	201 E MAGNOLIA UNIT	E 1/8 - 1/4 (0.218 mi.)	169	311
SWISS DANE CORP	36 E ORANGE GROVE AV	SE 1/8 - 1/4 (0.236 mi.)	AF191	338
STERLING TIRE CO	201 N 1ST ST	ESE 1/8 - 1/4 (0.243 mi.)	AF198	355

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
SWANER HARDWOOD CO I	5 W MAGNOLIA BLVD	SSE 0 - 1/8 (0.052 mi.)	B21	100
L&D MANUFACTURING CO	432 N VARNEY ST	S 0 - 1/8 (0.102 mi.)	B38	115
THREE D PLASTICS INC	430 N VARNEY ST	S 0 - 1/8 (0.107 mi.)	I45	119
ORO AMERICA INC	443 N VARNEY ST	S 0 - 1/8 (0.122 mi.)	I62	132
THREE D PLASTICS INC	440 N VARNEY ST	S 0 - 1/8 (0.124 mi.)	I65	137
CTS ELECTRONIC COMPO	413 N MOSS ST	S 1/8 - 1/4 (0.171 mi.)	Q107	184

EXECUTIVE SUMMARY

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
ANDREWS INTERNATIONAL	455 N MOSS ST	SSW 1/8 - 1/4 (0.174 mi.)	L109	189
BURBANK WATER AND PO	164 W MAGNOLIA BLVD	S 1/8 - 1/4 (0.211 mi.)	Q154	262
MEDI RIDE INC	700 N VICTORY BLVD	SW 1/8 - 1/4 (0.223 mi.)	AD178	318
ARRIFLEX CORP	600 N VICTORY BLVD	SSW 1/8 - 1/4 (0.239 mi.)	AG195	353

RCRA-CESQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

A review of the RCRA-CESQG list, as provided by EDR, and dated 12/11/2017 has revealed that there is 1 RCRA-CESQG site within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
KMART 3834	1000 SAN FERNANDO RO	N 1/8 - 1/4 (0.163 mi.)	M100	173

Federal institutional controls / engineering controls registries

US ENG CONTROLS: A listing of sites with engineering controls in place.

A review of the US ENG CONTROLS list, as provided by EDR, and dated 02/13/2018 has revealed that there are 2 US ENG CONTROLS sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
SAN FERNANDO VALLEY	CRYSTAL SPRINGS WELL	0 - 1/8 (0.000 mi.)	0	25
SAN FERNANDO VALLEY	NORTH HOLLYWOOD WELL	WNW 0 - 1/8 (0.070 mi.)	0	62

US INST CONTROL: A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

A review of the US INST CONTROL list, as provided by EDR, and dated 02/13/2018 has revealed that there is 1 US INST CONTROL site within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
SAN FERNANDO VALLEY	NORTH HOLLYWOOD WELL	WNW 0 - 1/8 (0.070 mi.)	0	62

State- and tribal - equivalent NPL

RESPONSE: Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.

A review of the RESPONSE list, as provided by EDR, has revealed that there is 1 RESPONSE site within

EXECUTIVE SUMMARY

approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
FORMER DYNAMIC PLATI Database: RESPONSE, Date of Government Version: 01/30/2018 Status: Active Facility Id: 60000535	1102 WEST ISABEL STR	WSW 1/4 - 1/2 (0.320 mi.)	AJ222	401

State- and tribal - equivalent CERCLIS

ENVIROSTOR: The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifies sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

A review of the ENVIROSTOR list, as provided by EDR, and dated 01/30/2018 has revealed that there are 22 ENVIROSTOR sites within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
SAN FERNANDO VALLEY Facility Id: 19990012 Status: Active	CRYSTAL SPRINGS WELL	0 - 1/8 (0.000 mi.)	0	25
SAN FERNANDO VALLEY Facility Id: 19990011 Status: Active	NORTH HOLLYWOOD WELL	WNW 0 - 1/8 (0.070 mi.)	0	62
LOCKHEED AIR TERMINAL Facility Id: 80000302 Status: Inactive - Needs Evaluation		NW 1/8 - 1/4 (0.193 mi.)	T123	204
LOCKHEED-CALIFORNIA Facility Id: 80000022 Status: Inactive - Needs Evaluation		NW 1/8 - 1/4 (0.193 mi.)	T124	205
AFP #14, STORAGE ANN Facility Id: 80000066 Status: Inactive - Needs Evaluation		NW 1/8 - 1/4 (0.193 mi.)	T125	206
MAGNOLIA HOUSING PRO Facility Id: 80001032 Status: Inactive - Needs Evaluation		W 1/8 - 1/4 (0.228 mi.)	U181	320
SPENCE ELECTROPLATIN Facility Id: 71002184 Status: Refer: Other Agency	1001 CHESTNUT ST.	WSW 1/4 - 1/2 (0.266 mi.)	AH211	367
FORMER DYNAMIC PLATI Facility Id: 60000535 Status: Active	1102 WEST ISABEL STR	WSW 1/4 - 1/2 (0.320 mi.)	AJ222	401
AFP #14		NW 1/4 - 1/2 (0.331 mi.)	AL225	412

EXECUTIVE SUMMARY

Facility Id: 80000065 Status: Inactive - Needs Evaluation				
MENASCO MANUFACTURIN Facility Id: 80001103 Status: Inactive - Needs Evaluation		E 1/4 - 1/2 (0.440 mi.)	AQ241	460
LOCKHEED PLANT B1 Facility Id: 80001390 Status: Refer: RWQCB	1705 VICTORY PL.	NW 1/2 - 1 (0.678 mi.)	AR248	479
A-H PLATING Facility Id: 71002653 Status: Refer: Other Agency	1837 NORTH VICTORY P	NW 1/2 - 1 (0.831 mi.)	252	514
Lower Elevation	Address	Direction / Distance	Map ID	Page
MAGNOLIA POWER PLANT Facility Id: 19490250 Status: No Further Action	164 WEST MAGNOLIA BL	S 1/8 - 1/4 (0.211 mi.)	Q149	234
BURBANK TRANSIT CENT Facility Id: 80001671 Status: Active	201 N FRONT ST	SE 1/4 - 1/2 (0.269 mi.)	AI212	380
RAIL CHEMICAL DIVISI Facility Id: 19281146 Status: Refer: RCRA	201 FRONT STREET	SE 1/4 - 1/2 (0.380 mi.)	AN231	423
CIRCUIT CRAFT COMPAN Facility Id: 19360483 Status: Refer: Other Agency	205 SOUTH FLOWER STR	SE 1/4 - 1/2 (0.414 mi.)	AP235	448
PACIFIC AIRMOTIVE Facility Id: 19760013 Status: Refer: Other Agency	217 SOUTH FRONT STRE	SE 1/4 - 1/2 (0.418 mi.)	AN238	454
DREWRY PHOTOCOLOR CO Facility Id: 71003123 Status: Refer: Other Agency	211 S LAKE ST	SSE 1/2 - 1 (0.500 mi.)	244	463
315 S FLOWER ST CURR Facility Id: 19990049 Status: Refer: 1248 Local Agency	315 S FLOWER	SE 1/2 - 1 (0.514 mi.)	245	465
J&M ANODIZING, INC Facility Id: 71002183 Status: Refer: Other Agency	525 S. FLOWER STREET	SE 1/2 - 1 (0.673 mi.)	247	473
OVRON PARK AND SCHOO Facility Id: 19750100 Status: Certified	601 SOUTH SAN FERNAN	ESE 1/2 - 1 (0.716 mi.)	250	507
FIBER RESIN CORP MIC Facility Id: 19280578 Status: No Further Action	170 W. PROVIDENCIA A	SSE 1/2 - 1 (0.730 mi.)	251	512

EXECUTIVE SUMMARY

State and tribal landfill and/or solid waste disposal site lists

SWF/LF: The Solid Waste Facilities/Landfill Sites records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. The data come from the Integrated Waste Management Board's Solid Waste Information System (SWIS) database.

A review of the SWF/LF list, as provided by EDR, has revealed that there is 1 SWF/LF site within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
BURBANK CITY, PUB WK Database: LOS ANGELES CO. LF, Date of Government Version: 01/16/2018 Site ID: 277 Status: Active	124 S LAKE ST	SSE 1/4 - 1/2 (0.409 mi.)	AO234	437

State and tribal leaking storage tank lists

LUST: Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

A review of the LUST list, as provided by EDR, has revealed that there are 11 LUST sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
CHEVRON #9-5538 Database: LUST REG 4, Date of Government Version: 09/07/2004 Database: LUST, Date of Government Version: 03/12/2018 Status: Completed - Case Closed Facility Id: 915020143 Facility Id: 915020143A Status: Case Closed Global Id: T0603702507 Global Id: T0603702508 Global ID: T0603702507 Global ID: T0603702508	923 VICTORY	W 1/8 - 1/4 (0.179 mi.)	K115	195
UNOCAL #0881 Database: LUST, Date of Government Version: 03/12/2018 Status: Open - Site Assessment Global Id: T10000005385	900 BURBANK BLVD W	W 1/8 - 1/4 (0.218 mi.)	AB167	310
MALY'S OF CALIFORNIA Database: LUST REG 5, Date of Government Version: 07/01/2008 Database: LUST, Date of Government Version: 03/12/2018 Status: Completed - Case Closed Status: Case Closed Global Id: T0609900236	1121 N SAN FERNANDO	NNW 1/8 - 1/4 (0.233 mi.)	Z184	323
STERLING TIRE CO Database: LUST REG 4, Date of Government Version: 09/07/2004 Database: LUST, Date of Government Version: 03/12/2018 Status: Completed - Case Closed	201 N 1ST ST	ESE 1/8 - 1/4 (0.243 mi.)	AF198	355

EXECUTIVE SUMMARY

Facility Id: 915020043
 Status: Case Closed
 Global Id: T0603702498
 Global ID: T0603702498

BURBANK FIRE STATION 353 OLIVE AVE E E 1/4 - 1/2 (0.478 mi.) AQ242 461
 Database: LUST REG 4, Date of Government Version: 09/07/2004
 Database: LUST, Date of Government Version: 03/12/2018
 Status: Completed - Case Closed
 Facility Id: 915020161
 Status: Preliminary site assessment workplan submitted
 Global Id: T0603702510
 Global ID: T0603702510

Lower Elevation	Address	Direction / Distance	Map ID	Page
BURBANK CITY, BURBAN Database: LUST, Date of Government Version: 03/12/2018 Status: Completed - Case Closed Global Id: T10000001482	164 W MAGNOLIA BLVD	S 1/8 - 1/4 (0.211 mi.)	Q151	239
BURBANK PUBLIC SERVI Database: LUST REG 4, Date of Government Version: 09/07/2004 Database: LUST, Date of Government Version: 03/12/2018 Status: Completed - Case Closed Facility Id: 915020070 Status: Pollution Characterization Global Id: T0603702501 Global ID: T0603702501	164 MAGNOLIA BLVD W	S 1/8 - 1/4 (0.221 mi.)	AC174	314
CITY OF BURBANK Database: LUST REG 4, Date of Government Version: 09/07/2004 Database: LUST, Date of Government Version: 03/12/2018 Status: Completed - Case Closed Facility Id: 915020034 Status: Case Closed Global Id: T0603702497 Global ID: T0603702497	5 OLIVE ST W	SSE 1/4 - 1/2 (0.314 mi.)	218	395
TEXACO FOOD MART #02 Database: LUST REG 4, Date of Government Version: 09/07/2004 Database: LUST, Date of Government Version: 03/12/2018 Status: Completed - Case Closed Facility Id: 915020170 Status: Remedial action (cleanup) Underway Global Id: T0603792930 Global ID: T0603792930	400 VICTORY BLVD N	SSW 1/4 - 1/2 (0.330 mi.)	AK224	409
MAGNOLIA CAR WASH Database: LUST REG 4, Date of Government Version: 09/07/2004 Database: LUST, Date of Government Version: 03/12/2018 Status: Open - Site Assessment Facility Id: 915060098 Status: Pollution Characterization Global Id: T0603702540 Global ID: T0603702540	910 MAGNOLIA BLVD W	SSW 1/4 - 1/2 (0.355 mi.)	AK228	415
CITY OF BURBANK PUBL Database: LUST REG 4, Date of Government Version: 09/07/2004 Database: LUST, Date of Government Version: 03/12/2018	124 S. LAKE ST.	SSE 1/4 - 1/2 (0.409 mi.)	AO233	431

EXECUTIVE SUMMARY

Status: Completed - Case Closed
 Facility Id: 915020061
 Status: Case Closed
 Global Id: T0603702500
 Global Id: T0603709486
 Global ID: T0603702500

CPS-SLIC: Cleanup Program Sites (CPS; also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

A review of the CPS-SLIC list, as provided by EDR, has revealed that there are 28 CPS-SLIC sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
UNI-PLATE INCORPORAT Database: CPS-SLIC, Date of Government Version: 03/12/2018 Global Id: SL603798633 Facility Status: Completed - Case Closed	6 W. BURBANK BLVD.	WNW 0 - 1/8 (0.079 mi.)	D26	109
1928 JEWELRY COMPANY Database: CPS-SLIC, Date of Government Version: 03/12/2018 Global Id: SL603798638 Facility Status: Completed - Case Closed	1000 N LAKE ST	WNW 0 - 1/8 (0.105 mi.)	D43	119
HORIZON PRODUCTIONS Database: CPS-SLIC, Date of Government Version: 03/12/2018 Global Id: SL603798981 Facility Status: Completed - Case Closed	914 N VICTORY BLVD	W 1/8 - 1/4 (0.138 mi.)	F78	150
MASTERCRAFT METAL Database: CPS-SLIC, Date of Government Version: 03/12/2018 Global Id: SL603798617 Facility Status: Completed - Case Closed	1010 VICTORY PL.	WNW 1/8 - 1/4 (0.166 mi.)	J103	180
VORELCO INC. Database: CPS-SLIC, Date of Government Version: 03/12/2018 Global Id: SL603798997 Facility Status: Completed - Case Closed	825 N. VICTORY BLVD.	WSW 1/8 - 1/4 (0.197 mi.)	W129	212
L & M BLACK OXIDE CO Database: CPS-SLIC, Date of Government Version: 03/12/2018 Global Id: SL603798613 Facility Status: Completed - Case Closed	1019 VICTORY PL	WNW 1/8 - 1/4 (0.199 mi.)	X132	216
PMI PROP MASTER INC Database: CPS-SLIC, Date of Government Version: 03/12/2018 Global Id: SL603798998 Facility Status: Completed - Case Closed	912 ISABEL ST	W 1/8 - 1/4 (0.216 mi.)	U159	302
SPENCE ELECTROPLATIN Database: CPS-SLIC, Date of Government Version: 03/12/2018 Global Id: SL603798999 Facility Status: Completed - Case Closed	917 W CHESTNUT ST	WSW 1/8 - 1/4 (0.243 mi.)	W199	359
SPENCE ELECTROPLATIN Database: CPS-SLIC, Date of Government Version: 03/12/2018	1001 CHESTNUT ST.	WSW 1/4 - 1/2 (0.266 mi.)	AH211	367

EXECUTIVE SUMMARY

Global Id: SL603799003 Facility Status: Completed - Case Closed				
SUN ART PLATING CO.	1021 ISABEL ST	W 1/4 - 1/2 (0.299 mi.)	AJ216	393
Database: CPS-SLIC, Date of Government Version: 03/12/2018 Global Id: SL603798993 Facility Status: Completed - Case Closed				
MIDWEST COMMUNICATIO	1117 ISABEL ST.	WSW 1/4 - 1/2 (0.310 mi.)	AJ217	393
Database: CPS-SLIC, Date of Government Version: 03/12/2018 Global Id: SL603798994 Facility Status: Completed - Case Closed				
BURBANK GATEWAY CENT	0 3RD & MAGNOLIA BLV	E 1/4 - 1/2 (0.316 mi.)	220	398
Database: CPS-SLIC, Date of Government Version: 03/12/2018 Global Id: SL603799001 Facility Status: Completed - Case Closed				
DYNAMIC PLATING, INC	1102 ISABEL	WSW 1/4 - 1/2 (0.320 mi.)	AJ223	407
Database: CPS-SLIC, Date of Government Version: 03/12/2018 Global Id: SL603798987 Facility Status: Completed - Case Closed				
CALIFORNIA COAST COL	1121 ISABEL ST.	W 1/4 - 1/2 (0.370 mi.)	AM229	419
Database: CPS-SLIC, Date of Government Version: 03/12/2018 Global Id: SL603798598 Facility Status: Completed - Case Closed				
COMET PLATING CO INC	1207 ISABEL	WSW 1/4 - 1/2 (0.396 mi.)	AM232	424
Database: CPS-SLIC, Date of Government Version: 03/12/2018 Global Id: SL603798986 Facility Status: Open - Inactive				
ALERT PLATING CO INC	730 N MARIPOSA	WSW 1/4 - 1/2 (0.433 mi.)	240	456
Database: CPS-SLIC, Date of Government Version: 03/12/2018 Global Id: SL603798982 Facility Status: Completed - Case Closed				
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
ORO AMERICA INC	443 N VARNEY ST	S 0 - 1/8 (0.122 mi.)	I62	132
Database: CPS-SLIC, Date of Government Version: 03/12/2018 Global Id: SL603798989 Facility Status: Completed - Case Closed				
CREATIONS	825 N LAKE ST #A	W 0 - 1/8 (0.123 mi.)	F63	136
Database: CPS-SLIC, Date of Government Version: 03/12/2018 Global Id: SL603799000 Facility Status: Completed - Case Closed				
INTL ELECTRONIC RESE	135 W MAGNOLIA BL	S 1/8 - 1/4 (0.171 mi.)	Q108	188
Database: CPS-SLIC, Date of Government Version: 03/12/2018 Global Id: SL603798988 Facility Status: Open - Inactive				
HYRAIL	415 N. FRONT ST.	SE 1/8 - 1/4 (0.196 mi.)	126	207
Database: CPS-SLIC, Date of Government Version: 03/12/2018 Global Id: SL603798983 Facility Status: Completed - Case Closed				
ACME AUTOWORK	738 N. VICTORY BLVD.	WSW 1/8 - 1/4 (0.197 mi.)	V127	207
Database: CPS-SLIC, Date of Government Version: 03/12/2018				

EXECUTIVE SUMMARY

Global Id: SL603798644

Facility Status: Open - Inactive

BURBANK CITY, BURBAN **164 W MAGNOLIA BLVD** **S 1/8 - 1/4 (0.211 mi.)** **Q151** **239**

Database: CPS-SLIC, Date of Government Version: 03/12/2018

Global Id: SL603798996

Facility Status: Open - Inactive

TOP RANK COLLISION **163 WEST MAGNOLIA BL** **S 1/8 - 1/4 (0.235 mi.)** **AC190** **337**

Database: CPS-SLIC, Date of Government Version: 03/12/2018

Global Id: T10000010464

Facility Status: Completed - Case Closed

METRO LINK STATION **201 FRONT ST** **SE 1/4 - 1/2 (0.269 mi.)** **AI215** **391**

Database: CPS-SLIC, Date of Government Version: 03/12/2018

Global Id: T10000004619

Facility Status: Completed - Case Closed

ACSCO PRODUCTS INC **313 N LAKE ST** **S 1/4 - 1/2 (0.315 mi.)** **219** **398**

Database: CPS-SLIC, Date of Government Version: 03/12/2018

Global Id: SL603798591

Facility Status: Completed - Case Closed

VERADYNE CORP. **330 N. VICTORY BLVD.** **S 1/4 - 1/2 (0.348 mi.)** **227** **414**

Database: CPS-SLIC, Date of Government Version: 03/12/2018

Global Id: SL603798991

Facility Status: Completed - Case Closed

L & M EDITORIAL **222 W. PALM AVE.** **S 1/4 - 1/2 (0.371 mi.)** **230** **422**

Database: CPS-SLIC, Date of Government Version: 03/12/2018

Global Id: SL603799002

Facility Status: Completed - Case Closed

GILDERFLUKE & CO. **205 S. FLOWER ST.** **SE 1/4 - 1/2 (0.414 mi.)** **AP237** **453**

Database: CPS-SLIC, Date of Government Version: 03/12/2018

Global Id: SL603798985

Facility Status: Completed - Case Closed

State and tribal registered storage tank lists

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the State Water Resources Control Board's Hazardous Substance Storage Container Database.

A review of the UST list, as provided by EDR, has revealed that there are 5 UST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
CHUCK MERCIER'S UNIO Database: UST, Date of Government Version: 03/12/2018 Facility Id: 9981 Facility Id: 00496	901 N SAN FERNANDO B	N 1/8 - 1/4 (0.132 mi.)	E70	145
IKEA Database: UST, Date of Government Version: 03/12/2018 Facility Id: 600	600 N SAN FERNANDO B	ENE 1/8 - 1/4 (0.164 mi.)	O102	177
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
SWANER HARDWOOD CO I Database: UST, Date of Government Version: 03/12/2018	5 W MAGNOLIA BLVD	SSE 0 - 1/8 (0.052 mi.)	B21	100

EXECUTIVE SUMMARY

Facility Id: 9549				
TERRY LUMBER	640 N VICTORY BLVD	SSW 1/8 - 1/4 (0.175 mi.)	R112	194
Database: UST, Date of Government Version: 03/12/2018				
Facility Id: 14089				
PSD	164 W MAGNOLIA BLVD	S 1/8 - 1/4 (0.211 mi.)	Q148	234
Database: UST, Date of Government Version: 03/12/2018				
Facility Id: 9677				
Facility Id: LACoFA0016866				

AST: A listing of aboveground storage tank petroleum storage tank locations.

A review of the AST list, as provided by EDR, has revealed that there are 4 AST sites within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
BWP MAGNOLIA POWER P	110 W MAGNOLIA BLVD	SSE 1/8 - 1/4 (0.167 mi.)	Q105	183
Database: AST, Date of Government Version: 07/06/2016				
BURBANK CITY, BURBAN	164 W MAGNOLIA BLVD	S 1/8 - 1/4 (0.211 mi.)	Q151	239
Database: AST, Date of Government Version: 07/06/2016				
Not reported	164 W MAGNOLIA BLVD	S 1/8 - 1/4 (0.211 mi.)	Q152	260
Database: AST, Date of Government Version: 07/06/2016				
BWP BURBANK STATION	164 W MAGNOLIA BLVD	S 1/8 - 1/4 (0.211 mi.)	Q153	261
Database: AST, Date of Government Version: 07/06/2016				

State and tribal voluntary cleanup sites

VCP: Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

A review of the VCP list, as provided by EDR, and dated 01/30/2018 has revealed that there is 1 VCP site within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
MAGNOLIA POWER PLANT	164 WEST MAGNOLIA BL	S 1/8 - 1/4 (0.211 mi.)	Q149	234
Status: No Further Action				
Facility Id: 19490250				

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Landfill / Solid Waste Disposal Sites

SWRCY: A listing of recycling facilities in California.

A review of the SWRCY list, as provided by EDR, and dated 03/12/2018 has revealed that there is 1

EXECUTIVE SUMMARY

SWRCY site within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
RALPHS GROCERY COMPA Cert Id: RC156087.001	1100 N SAN FERNANDO	NNW 1/8 - 1/4 (0.235 mi.)	Z189	334

Local Lists of Hazardous waste / Contaminated Sites

HIST Cal-Sites: Formerly known as ASPIS, this database contains both known and potential hazardous substance sites. The source is the California Department of Toxic Substance Control. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

A review of the HIST Cal-Sites list, as provided by EDR, and dated 08/08/2005 has revealed that there are 2 HIST Cal-Sites sites within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
SAN FERNANDO VALLEY	CRYSTAL SPRINGS WELL	0 - 1/8 (0.000 mi.)	0	25
SAN FERNANDO VALLEY	NORTH HOLLYWOOD WELL	WNW 0 - 1/8 (0.070 mi.)	0	62

Local Lists of Registered Storage Tanks

SWEEPS UST: Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

A review of the SWEEPS UST list, as provided by EDR, and dated 06/01/1994 has revealed that there are 13 SWEEPS UST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
BURBANK YARD Status: A Tank Status: A Comp Number: 11543	4 W BURBANK BLVD	N 0 - 1/8 (0.091 mi.)	E31	112
BENKORSKI AND SILTAM Status: A Comp Number: 14661	350 N BONNYWOOD PL	SE 0 - 1/8 (0.104 mi.)	H41	117
CHUCK MERCIER UNOCAL Status: A Tank Status: A Comp Number: 9810	901 N SAN FERNANDO B	N 1/8 - 1/4 (0.132 mi.)	E71	145
CITY OF BURBANK Status: A Comp Number: 12145	124 E BURBANK BLVD	WNW 1/8 - 1/4 (0.155 mi.)	K94	161
IKEA FURNITURE Status: A Tank Status: A Comp Number: 600	600 N SAN FERNANDO	ENE 1/8 - 1/4 (0.164 mi.)	O101	177
FOUR WHEEL PARTS WHO	825 N VICTORY BLVD	WSW 1/8 - 1/4 (0.197 mi.)	W128	210

EXECUTIVE SUMMARY

Comp Number: 12810				
MERCIERS UNOCAL #II	900 W BURBANK BLVD	W 1/8 - 1/4 (0.199 mi.)	U139	225
Comp Number: 900000				
MARJON INDUSTRIES IN	1120 SCOTT RD	NNW 1/8 - 1/4 (0.216 mi.)	AA164	309
Status: A				
Tank Status: A				
Comp Number: 11909				
95538	923 BURBANK BLVD	W 1/8 - 1/4 (0.229 mi.)	AB183	322
Status: A				
Tank Status: A				
Comp Number: 9328				
Lower Elevation	Address	Direction / Distance	Map ID	Page
SWANER HARDWOOD CO I	5 W MAGNOLIA BLVD	SSE 0 - 1/8 (0.052 mi.)	B21	100
Status: A				
Tank Status: A				
Comp Number: 9549				
CITY OF BURBANK RECY	720 N LAKE ST	SW 1/8 - 1/4 (0.142 mi.)	83	154
Status: A				
Comp Number: 13661				
TERRY LUMBER CO	640 N VICTORY BLVD	SSW 1/8 - 1/4 (0.175 mi.)	R111	193
Status: A				
Tank Status: A				
Comp Number: 14089				
BURBANK CITY, BURBAN	164 W MAGNOLIA BLVD	S 1/8 - 1/4 (0.211 mi.)	Q151	239
Status: A				
Tank Status: A				
Comp Number: 9677				

HIST UST: Historical UST Registered Database.

A review of the HIST UST list, as provided by EDR, and dated 10/15/1990 has revealed that there are 24 HIST UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
UNI-PLATE-INC	6 WEST BURBANK BLVD	WNW 0 - 1/8 (0.079 mi.)	D25	107
UNI-PLATE INCORPORAT	6 W. BURBANK BLVD.	WNW 0 - 1/8 (0.079 mi.)	D26	109
Facility Id: 00000050927				
BURBANK YD	4 WEST BURBANK BLVD	N 0 - 1/8 (0.091 mi.)	E30	111
Facility Id: 00000041507				
SILTAMAKI, R.W. MFG.	350 N BONNYWOOD PL	SE 0 - 1/8 (0.104 mi.)	H42	118
Facility Id: 00000047096				
UNION OIL SERVICE ST	901 N SAN FERNANDO B	N 1/8 - 1/4 (0.132 mi.)	E72	146
Facility Id: 00000056082				
SERVICE STATION 2477	901 N SAN FERNANDO B	N 1/8 - 1/4 (0.132 mi.)	E73	147
Facility Id: 00000029319				
SERVICE STATION 2477	901 N SAN FERNANDO R	N 1/8 - 1/4 (0.141 mi.)	E82	152
VORELCO INC.	825 N. VICTORY BLVD.	WSW 1/8 - 1/4 (0.197 mi.)	W129	212

EXECUTIVE SUMMARY

Facility Id: 00000041143				
VOLKSWAGON OF AMERIC	825 N VICTORY BLVD	WSW 1/8 - 1/4 (0.197 mi.)	W130	213
SERVICE STATION 0881	900 W BURBANK BLVD	W 1/8 - 1/4 (0.199 mi.)	U136	223
Facility Id: 00000003933				
UNION OIL SERVICE ST	900 W BURBANK BLVD	W 1/8 - 1/4 (0.199 mi.)	U137	224
Facility Id: 00000055711				
SERVICE STATION 0881	900 WEST BURBANK BLV	W 1/8 - 1/4 (0.199 mi.)	U138	225
UNION OIL SERVICE ST	900 WEST BURBANK BLV	W 1/8 - 1/4 (0.199 mi.)	U140	227
MARJON INDUSTRIES	1120 SCOTT RD	NNW 1/8 - 1/4 (0.216 mi.)	AA163	306
Facility Id: 00000050907				
95538	923 W BURBANK BLVD	W 1/8 - 1/4 (0.229 mi.)	AB182	321
Facility Id: 00000062766				
95538	923 BURBANK BLVD	W 1/8 - 1/4 (0.229 mi.)	AB183	322
Lower Elevation	Address	Direction / Distance	Map ID	Page
SWANER HARDWOOD COMP	5 WEST MAGNOLIA BLVD	SSE 0 - 1/8 (0.052 mi.)	B20	99
SWANER HARDWOOD COMP	5 W MAGNOLIA BLVD	SSE 0 - 1/8 (0.052 mi.)	B22	105
Facility Id: 00000000416				
INTL ELECTRONIC RESE	410 N VARNEY ST	SSE 0 - 1/8 (0.112 mi.)	C49	127
Facility Id: 00000017537				
COATING FACILITY	410 N VARNEY ST	SSE 0 - 1/8 (0.119 mi.)	I59	130
Facility Id: 00000064190				
NONE	151 WEST MAGNOLIA BL	S 1/8 - 1/4 (0.209 mi.)	S145	233
DEBURRING	151 W MAGNOLIA BLVD	S 1/8 - 1/4 (0.209 mi.)	S146	233
Facility Id: 00000017538				
MAGNOLIA POWER PLANT	164 WEST MAGNOLIA BL	S 1/8 - 1/4 (0.211 mi.)	Q149	234
BURBANK PUBLIC SERVI	164 W MAGNOLIA BLVD	S 1/8 - 1/4 (0.211 mi.)	Q150	237
Facility Id: 00000029228				

CA FID UST: The Facility Inventory Database contains active and inactive underground storage tank locations. The source is the State Water Resource Control Board.

A review of the CA FID UST list, as provided by EDR, and dated 10/31/1994 has revealed that there are 7 CA FID UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
BURBANK YARD	4 W BURBANK BLVD	N 0 - 1/8 (0.091 mi.)	E31	112
Facility Id: 19005870				
Status: A				
CHUCK MERCIER UNOCAL	901 N SAN FERNANDO B	N 1/8 - 1/4 (0.132 mi.)	E71	145
Facility Id: 19023133				
Status: A				
IKEA FURNITURE	600 N SAN FERNANDO	ENE 1/8 - 1/4 (0.164 mi.)	O101	177
Facility Id: 19055190				
Status: A				
MERCIERS UNOCAL #II	900 W BURBANK BLVD	W 1/8 - 1/4 (0.199 mi.)	U139	225
Facility Id: 19023213				
Status: A				
MARJON INDUSTRIES	1120 SCOTT RD	NNW 1/8 - 1/4 (0.216 mi.)	AA163	306

EXECUTIVE SUMMARY

Facility Id: 19006134
Status: A

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
SWANER HARDWOOD CO I Facility Id: 19010682 Status: A	5 W MAGNOLIA BLVD	SSE 0 - 1/8 (0.052 mi.)	B21	100
BURBANK CITY, BURBAN Facility Id: 19001855 Status: A	164 W MAGNOLIA BLVD	S 1/8 - 1/4 (0.211 mi.)	Q151	239

Local Land Records

DEED: The use of recorded land use restrictions is one of the methods the DTSC uses to protect the public from unsafe exposures to hazardous substances and wastes .

A review of the DEED list, as provided by EDR, and dated 02/08/2018 has revealed that there is 1 DEED site within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
SANDOVAL DIESEL CO Status: CLOSED Envirostor ID: CAD075275180	201 A NO FRONT STREE	SE 1/4 - 1/2 (0.269 mi.)	AI213	383

Other Ascertainable Records

RCRA NonGen / NLR: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 12/11/2017 has revealed that there are 4 RCRA NonGen / NLR sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
L & M BLACK OXIDE CO	1019 VICTORY PL	WNW 1/8 - 1/4 (0.199 mi.)	X132	216
AERO INDUSTRIAL CO I	912 ISABEL ST	W 1/8 - 1/4 (0.216 mi.)	U160	303
CELEBRITY CLEANERS	1121 SAN FERNANDO RD	NNW 1/8 - 1/4 (0.249 mi.)	Z208	363
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
MICHAEL ALGAZY	428 MOSS ST	S 1/8 - 1/4 (0.184 mi.)	S116	199

EXECUTIVE SUMMARY

FUDS: The Listing includes locations of Formerly Used Defense Sites Properties where the US Army Corps Of Engineers is actively working or will take necessary cleanup actions.

A review of the FUDS list, as provided by EDR, and dated 01/31/2015 has revealed that there is 1 FUDS site within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
AF PLANT #14		NW 1/4 - 1/2 (0.331 mi.)	AL226	413

ROD: Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid the cleanup.

A review of the ROD list, as provided by EDR, and dated 01/09/2018 has revealed that there are 2 ROD sites within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>SAN FERNANDO VALLEY</i>	<i>CRYSTAL SPRINGS WELL</i>	<i>0 - 1/8 (0.000 mi.)</i>	<i>0</i>	<i>25</i>
<i>SAN FERNANDO VALLEY</i>	<i>NORTH HOLLYWOOD WELL</i>	<i>WNW 0 - 1/8 (0.070 mi.)</i>	<i>0</i>	<i>62</i>

CONSENT: Major Legal settlements that establish responsibility and standards for cleanup at NPL (superfund) sites. Released periodically by U.S. District Courts after settlement by parties to litigation matters.

A review of the CONSENT list, as provided by EDR, and dated 12/31/2017 has revealed that there is 1 CONSENT site within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>SAN FERNANDO VALLEY</i>	<i>NORTH HOLLYWOOD WELL</i>	<i>WNW 0 - 1/8 (0.070 mi.)</i>	<i>0</i>	<i>62</i>

Cortese: The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

A review of the Cortese list, as provided by EDR, and dated 03/26/2018 has revealed that there are 3 Cortese sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>SAN FERNANDO VALLEY</i> Envirostor Id: 19990012 Cleanup Status: ACTIVE	<i>CRYSTAL SPRINGS WELL</i>	<i>0 - 1/8 (0.000 mi.)</i>	<i>0</i>	<i>25</i>
<i>SAN FERNANDO VALLEY</i> Envirostor Id: 19990011 Cleanup Status: ACTIVE	<i>NORTH HOLLYWOOD WELL</i>	<i>WNW 0 - 1/8 (0.070 mi.)</i>	<i>0</i>	<i>62</i>
<i>FORMER DYNAMIC PLATI</i> Envirostor Id: 60000535 Cleanup Status: ACTIVE	<i>1102 WEST ISABEL STR</i>	<i>WSW 1/4 - 1/2 (0.320 mi.)</i>	<i>AJ222</i>	<i>401</i>

EXECUTIVE SUMMARY

DRYCLEANERS: A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaners' agents; linen supply; coin-operated laundries and cleaning; drycleaning plants except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

A review of the DRYCLEANERS list, as provided by EDR, has revealed that there are 8 DRYCLEANERS sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
CITY UNIFORM SERV Database: DRYCLEAN SOUTH COAST, Date of Government Version: 03/16/2018	554 N FIRST ST	E 0 - 1/8 (0.064 mi.)	23	106
CROWN 1 HR. CLEANERS Database: DRYCLEAN SOUTH COAST, Date of Government Version: 03/16/2018	928 N SAN FERNANDO R	N 1/8 - 1/4 (0.154 mi.)	M92	160
BURBANK CLEANERS Database: DRYCLEAN SOUTH COAST, Date of Government Version: 03/16/2018	928 N SAN FERNANDO	N 1/8 - 1/4 (0.154 mi.)	M93	160
CELEBRITY CLEANERS Database: DRYCLEAN SOUTH COAST, Date of Government Version: 03/16/2018	1121 N SAN FERNANDO	NNW 1/8 - 1/4 (0.249 mi.)	Z205	362
CELEBRITY CLEANERS, Database: DRYCLEAN SOUTH COAST, Date of Government Version: 03/16/2018	1121 N SAN FERNANDO	NNW 1/8 - 1/4 (0.249 mi.)	Z206	362
CELEBRITY 1 HOUR CLE Database: DRYCLEAN SOUTH COAST, Date of Government Version: 03/16/2018	1121 N SAN FERNANDO	NNW 1/8 - 1/4 (0.249 mi.)	Z207	363
CELEBRITY CLEANERS Database: DRYCLEANERS, Date of Government Version: 03/27/2018 EPA Id: CAD981635592 EPA Id: CAL000335406	1121 SAN FERNANDO RD	NNW 1/8 - 1/4 (0.249 mi.)	Z208	363
CELEBRITY 1 HOUR CLE Database: DRYCLEAN SOUTH COAST, Date of Government Version: 03/16/2018	1121 N SAN FERNANDO	NNW 1/8 - 1/4 (0.249 mi.)	Z209	366

HIST CORTESE: The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

A review of the HIST CORTESE list, as provided by EDR, and dated 04/01/2001 has revealed that there are 9 HIST CORTESE sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
CHEVRON #9-5538 Reg Id: 915020143 Reg Id: 915020143A	923 VICTORY	W 1/8 - 1/4 (0.179 mi.)	K115	195
STERLING TIRE CO Reg Id: 915020043	201 N 1ST ST	ESE 1/8 - 1/4 (0.243 mi.)	AF198	355
BURBANK FIRE STATION Reg Id: 915020161	353 OLIVE	E 1/4 - 1/2 (0.478 mi.)	AQ243	463
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
BURBANK PUBLIC SERVI Reg Id: 915020070	164 MAGNOLIA BLVD W	S 1/8 - 1/4 (0.221 mi.)	AC174	314
CITY OF BURBANK	5 OLIVE ST W	SSE 1/4 - 1/2 (0.314 mi.)	218	395

EXECUTIVE SUMMARY

Reg Id: 915020034				
TEXACO FOOD MART #02	400 VICTORY BLVD N	SSW 1/4 - 1/2 (0.330 mi.)	AK224	409
Reg Id: 032566				
MAGNOLIA CAR WASH	910 MAGNOLIA BLVD W	SSW 1/4 - 1/2 (0.355 mi.)	AK228	415
Reg Id: 915060098				
CITY OF BURBANK PUBL	124 S. LAKE ST.	SSE 1/4 - 1/2 (0.409 mi.)	AO233	431
Reg Id: 915020061				
CIRCUIT CRAFT COMPAN	205 SOUTH FLOWER STR	SE 1/4 - 1/2 (0.414 mi.)	AP235	448
Reg Id: 19360483				

HWP: Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

A review of the HWP list, as provided by EDR, and dated 02/20/2018 has revealed that there are 2 HWP sites within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
LOCKHEED PLANT B1 EPA Id: CAD045256187 Cleanup Status: CLOSED	1705 VICTORY PL.	NW 1/2 - 1 (0.678 mi.)	AR248	479
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
BURBANK TRANSIT CENT EPA Id: CAD075275180 Cleanup Status: CLOSED	201 N FRONT ST	SE 1/4 - 1/2 (0.269 mi.)	AI212	380

Notify 65: Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

A review of the Notify 65 list, as provided by EDR, and dated 03/23/2018 has revealed that there are 2 Notify 65 sites within approximately 1 mile of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
BURBANK WTR RECLM.PL	2 W. CHESTNUT ST.	WSW 0 - 1/8 (0.103 mi.)	G39	117
ABIDANK MNFG. COMP.	210 S. VICTORY BLVD.	S 1/2 - 1 (0.585 mi.)	246	472

WIP: Well Investigation Program case in the San Gabriel and San Fernando Valley area.

A review of the WIP list, as provided by EDR, and dated 07/03/2009 has revealed that there are 112 WIP sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
UNI-PLATE INCORPORAT Facility Status: Backlog	6 W. BURBANK BLVD.	WNW 0 - 1/8 (0.079 mi.)	D26	109
WRIGHT PLASTIC PRODU	100 W BURBANK BLVD	WNW 0 - 1/8 (0.080 mi.)	D28	111

EXECUTIVE SUMMARY

Facility Status: Historical				
FILM CONVERTOR CO. O	10 W BURBANK BLVD	WNW 0 - 1/8 (0.088 mi.)	D29	111
Facility Status: Historical				
UNION AIRCRAFT COMPA	906 N LAKE ST	W 0 - 1/8 (0.094 mi.)	D32	113
Facility Status: Historical				
D&W TUBE BENDING	918 N LAKE ST	WNW 0 - 1/8 (0.096 mi.)	D34	114
Facility Status: Historical				
PACIFIC SOUTHERN SIE	904 N LAKE ST	W 0 - 1/8 (0.097 mi.)	D35	114
Facility Status: Historical				
MARICHU INCORPORATED	20 W BURBANK BLVD	WNW 0 - 1/8 (0.098 mi.)	D36	114
Facility Status: Historical				
SILTAMAKI, R.W. MFG.	350 N BONNYWOOD PL	SE 0 - 1/8 (0.104 mi.)	H42	118
Facility Status: Historical				
1928 JEWELRY COMPANY	1000 N LAKE ST	WNW 0 - 1/8 (0.105 mi.)	D43	119
Facility Status: Backlog				
SOLAR UNLIMITED INCO	56 E MAGNOLIA BLVD	SE 0 - 1/8 (0.110 mi.)	H46	126
Facility Status: Historical				
CASPINO CO.	64 E MAGNOLIA BLVD	ESE 0 - 1/8 (0.114 mi.)	H53	129
Facility Status: Historical				
PATTERSON GRAPHICS C	903 N LAKE ST	W 0 - 1/8 (0.116 mi.)	F54	129
Facility Status: Historical				
COLOR MASTERS PRINTI	901 N LAKE ST	W 0 - 1/8 (0.119 mi.)	F58	130
Facility Status: Historical				
G P C	831 N LAKE ST #3	W 0 - 1/8 (0.120 mi.)	F61	131
Facility Status: Historical				
PLASTI-GRAPH PRODUCT	350 BONNYWOOD PL	SE 1/8 - 1/4 (0.131 mi.)	H68	144
Facility Status: Historical				
RASMUSSEN'S GARAGE	110 W BURBANK BLVD	WNW 1/8 - 1/4 (0.138 mi.)	K75	148
Facility Status: Historical				
R.C. MERCER FILM PAT	106 W BURBANK BLVD	WNW 1/8 - 1/4 (0.138 mi.)	K76	148
Facility Status: Historical				
HORIZON PRODUCTIONS	914 N VICTORY BLVD	W 1/8 - 1/4 (0.138 mi.)	F78	150
Facility Status: Backlog				
NORTH LAKE STAGE	1011 N LAKE ST	WNW 1/8 - 1/4 (0.142 mi.)	J84	155
Facility Status: Historical				
BUCONE CORP.	1017 N LAKE ST	WNW 1/8 - 1/4 (0.148 mi.)	J86	156
Facility Status: Historical				
FAB-IT MFG INC.	53 E PALM AVE	SE 1/8 - 1/4 (0.149 mi.)	H88	157
Facility Status: Historical				
PIONEER TECHNOLOGY C	1021 N LAKE ST	WNW 1/8 - 1/4 (0.152 mi.)	J90	158
Facility Status: Historical				
CITY OF BURBANK	124 E BURBANK BLVD	WNW 1/8 - 1/4 (0.155 mi.)	K94	161
Facility Status: Historical				
G & M GRINDING CO.	1025 N LAKE ST	WNW 1/8 - 1/4 (0.157 mi.)	J96	162
Facility Status: Historical				
B.M.PEARCE COMPANY	107 W BURBANK BLVD	WNW 1/8 - 1/4 (0.162 mi.)	J97	162

EXECUTIVE SUMMARY

Facility Status: Historical				
ZEPKO	101 W BURBANK BLVD	WNW 1/8 - 1/4 (0.162 mi.)	J98	163
Facility Status: Historical				
MASTERCRAFT METAL	1010 VICTORY PL.	WNW 1/8 - 1/4 (0.166 mi.)	J103	180
Facility Status: Backlog				
GENERAL FACILITIES I	40 E PALM AVE	SE 1/8 - 1/4 (0.166 mi.)	P104	183
Facility Status: Historical				
TOUCH-FLO MANUFACTUR	75 E PALM AVE	ESE 1/8 - 1/4 (0.168 mi.)	P106	184
Facility Status: Historical				
FLIGHT CENTER	72 E PALM AVE	ESE 1/8 - 1/4 (0.174 mi.)	P110	191
Facility Status: Historical				
R C PRIVISION INC	1016 VICTORY PL	WNW 1/8 - 1/4 (0.175 mi.)	J113	194
Facility Status: Historical				
KEYSTON BROTHERS	1100 SCOTT RD	NNW 1/8 - 1/4 (0.177 mi.)	N114	194
Facility Status: Historical				
CANTEBURY TERMITE &	1048 N LAKE ST	WNW 1/8 - 1/4 (0.185 mi.)	T117	201
Facility Status: Historical				
L.E.C. TRADERS	249 N FIRST ST	ESE 1/8 - 1/4 (0.187 mi.)	P119	201
Facility Status: Historical				
EFX SYSTEMS	919 N VICTORY BLVD	W 1/8 - 1/4 (0.190 mi.)	U122	204
Facility Status: Historical				
VORELCO INC.	825 N. VICTORY BLVD.	WSW 1/8 - 1/4 (0.197 mi.)	W129	212
Facility Status: Active				
OMNIA	903 N VICTORY BLVD	W 1/8 - 1/4 (0.198 mi.)	U131	215
Facility Status: Historical				
L & M BLACK OXIDE CO	1019 VICTORY PL	WNW 1/8 - 1/4 (0.199 mi.)	X132	216
Facility Status: Backlog				
KOVACS TOOL & DIE	231 N FIRST ST	ESE 1/8 - 1/4 (0.199 mi.)	P133	223
Facility Status: Historical				
ROTORDYNE	231 N FIRST ST	ESE 1/8 - 1/4 (0.199 mi.)	P134	223
Facility Status: Historical				
MONARCH ATHLETIC SUP	1040 N VICTORY PL	WNW 1/8 - 1/4 (0.199 mi.)	T135	223
Facility Status: Historical				
MERCIERS UNOCAL #II	900 W BURBANK BLVD	W 1/8 - 1/4 (0.199 mi.)	U139	225
Facility Status: Historical				
STUDIO SPECTRUM INCO	1056 N LAKE ST	WNW 1/8 - 1/4 (0.203 mi.)	T142	231
Facility Status: Historical				
ROADWAY MFG. CO. INC	33 E ORANGE GROVE AV	SE 1/8 - 1/4 (0.209 mi.)	P144	232
Facility Status: Historical				
MACH TECH,INC.	1021 N VICTORY PL	WNW 1/8 - 1/4 (0.210 mi.)	X147	234
Facility Status: Historical				
PLASTI WARE COMPANY	1033 N VICTORY PL	WNW 1/8 - 1/4 (0.211 mi.)	X155	298
Facility Status: Historical				
INTERTEK METALLURGIC	1023 N VICTORY PL	WNW 1/8 - 1/4 (0.213 mi.)	X157	301
Facility Status: Historical				
FIRING LINE	1060 N LAKE ST	WNW 1/8 - 1/4 (0.215 mi.)	T158	301

EXECUTIVE SUMMARY

Facility Status: Historical				
PMI PROP MASTER INC	912 ISABEL ST	W 1/8 - 1/4 (0.216 mi.)	U159	302
Facility Status: Active				
MIKE DUNCAN'S FOUR X	1031 N VICTORY PL	WNW 1/8 - 1/4 (0.216 mi.)	X162	306
Facility Status: Historical				
MARJON INDUSTRIES	1120 SCOTT RD	NNW 1/8 - 1/4 (0.216 mi.)	AA163	306
Facility Status: Historical				
TOUCH-FLO MFG.	59 E ORANGE GROVE AV	SE 1/8 - 1/4 (0.216 mi.)	P165	309
Facility Status: Historical				
CANNON EQUIPMENT INC	1122 SCOTT RD	NNW 1/8 - 1/4 (0.217 mi.)	AA166	309
Facility Status: Historical				
MATO PLASTICS	919 ISABEL ST	W 1/8 - 1/4 (0.219 mi.)	U170	313
Facility Status: Historical				
CAL CLIMATE CORP.	919 ISABEL ST	W 1/8 - 1/4 (0.219 mi.)	U171	313
Facility Status: Historical				
NORMAN GRIFFIN STUDI	919 ISABEL ST	W 1/8 - 1/4 (0.219 mi.)	U172	313
Facility Status: Historical				
SHAMPANORE PRESS	919 W ISABEL ST	W 1/8 - 1/4 (0.219 mi.)	U173	314
Facility Status: Historical				
WILSONS METAL EXCHAN	1062 N VICTORY PL	WNW 1/8 - 1/4 (0.222 mi.)	T175	316
Facility Status: Historical				
CON-FERR PRODUCTS IN	733 N VICTORY BLVD	WSW 1/8 - 1/4 (0.223 mi.)	V177	318
Facility Status: Historical				
NELSON AEROSPACE INC	1037 N VICTORY PL	WNW 1/8 - 1/4 (0.224 mi.)	X180	320
Facility Status: Historical				
MALY'S OF CALIFORNIA	1121 N SAN FERNANDO	NNW 1/8 - 1/4 (0.233 mi.)	Z184	323
Facility Status: Historical				
CRAFT PRECISION PROD	1045 N VICTORY PL	WNW 1/8 - 1/4 (0.234 mi.)	AE185	325
Facility Status: Historical				
KESSLER JEWELERS & M	313 N GOLDEN MALL	ESE 1/8 - 1/4 (0.237 mi.)	193	352
Facility Status: Historical				
WESTERN KING MANUFAC	48 E ORANGE GROVE AV	SE 1/8 - 1/4 (0.238 mi.)	AF194	352
Facility Status: Historical				
SPENCE ELECTROPLATIN	917 W CHESTNUT ST	WSW 1/8 - 1/4 (0.243 mi.)	W199	359
Facility Status: Backlog				
EXCELLENT AUTO BODY	912 CHESTNUT ST	WSW 1/8 - 1/4 (0.244 mi.)	V200	360
Facility Status: Historical				
ALTA ENGINEERING IN	60 E ORANGE GROVE AV	SE 1/8 - 1/4 (0.244 mi.)	AF201	360
Facility Status: Historical				
BIEKER MACHINE SHOP	918 CHESTNUT ST	WSW 1/8 - 1/4 (0.245 mi.)	AH203	361
Facility Status: Historical				
DICK CEPEK	1055 N VICTORY PL	WNW 1/8 - 1/4 (0.248 mi.)	AE204	361
Facility Status: Historical				
CELEBRITY CLEANERS	1121 N SAN FERNANDO	NNW 1/8 - 1/4 (0.249 mi.)	Z210	367
Facility Status: Historical				
Lower Elevation	Address	Direction / Distance	Map ID	Page
ARIES PREPARED BEEF	17 W MAGNOLIA BLVD	SSE 0 - 1/8 (0.075 mi.)	C24	106

EXECUTIVE SUMMARY

Facility Status: Historical				
S & H MACHINE INC.	900 N LAKE ST	W 0 - 1/8 (0.094 mi.)	F33	113
Facility Status: Historical				
KARLEE COMPANY INCOR	826 N LAKE ST	W 0 - 1/8 (0.102 mi.)	F37	115
Facility Status: Historical				
ALLIED ENVELOPE & CO	828 N LAKE ST	W 0 - 1/8 (0.104 mi.)	F40	117
Facility Status: Historical				
HARLAN E. RUSHING IN	818 N LAKE ST	W 0 - 1/8 (0.105 mi.)	F44	119
Facility Status: Historical				
THREE D PLASTICS INC	430 N VARNEY ST	S 0 - 1/8 (0.107 mi.)	I45	119
Facility Status: Historical				
AMERICOLD CORP.	10 W MAGNOLIA	SSE 0 - 1/8 (0.112 mi.)	C48	126
Facility Status: Historical				
COWAN PRECISION GRIN	424 N VARNEY ST	S 0 - 1/8 (0.112 mi.)	I50	128
Facility Status: Historical				
VER SALES INCORPORAT	810 N LAKE ST	WSW 0 - 1/8 (0.113 mi.)	G52	129
Facility Status: Historical				
RESERVAIR STAR FIRE	422 N VARNEY ST	S 0 - 1/8 (0.117 mi.)	I55	129
Facility Status: Historical				
GAMUT ENGINEERING CO	420 N VARNEY ST	S 0 - 1/8 (0.119 mi.)	I57	130
Facility Status: Historical				
MARK SMITH CO.	800 N LAKE ST	WSW 0 - 1/8 (0.120 mi.)	G60	131
Facility Status: Historical				
ORO AMERICA INC	443 N VARNEY ST	S 0 - 1/8 (0.122 mi.)	I62	132
Facility Status: Active				
CREATIONS	825 N LAKE ST #A	W 0 - 1/8 (0.123 mi.)	F63	136
Facility Status: Historical				
Facility Status: Backlog				
G.R.MCCORMICK ENG. &	416 N VARNEY ST	SSE 0 - 1/8 (0.124 mi.)	I64	137
Facility Status: Historical				
PACIFIC SOUTHERN SIE	821 N LAKE ST	W 1/8 - 1/4 (0.128 mi.)	F66	141
Facility Status: Historical				
VIACOM PRODUCTIONS	817 N LAKE ST	WSW 1/8 - 1/4 (0.132 mi.)	F69	144
Facility Status: Historical				
TRUSSELL COMPANY INC	732 N LAKE ST	SW 1/8 - 1/4 (0.137 mi.)	G74	148
Facility Status: Historical				
PC NEWS AGENCY	728 N LAKE ST	SW 1/8 - 1/4 (0.140 mi.)	G79	151
Facility Status: Historical				
MARK HINES COMPANY	724 N LAKE ST	SW 1/8 - 1/4 (0.141 mi.)	G80	152
Facility Status: Historical				
BURBANK ENGRAVERS IN	120 W CYPRESS AVE	SSW 1/8 - 1/4 (0.141 mi.)	L81	152
Facility Status: Historical				
CITY OF BURBANK RECY	720 N LAKE ST	SW 1/8 - 1/4 (0.142 mi.)	83	154
Facility Status: Historical				
CRAIG'S MACHINING	419 N VARNEY ST	S 1/8 - 1/4 (0.143 mi.)	I85	156
Facility Status: Historical				
BURBANK SIGN COMPANY	454 N MOSS ST	S 1/8 - 1/4 (0.149 mi.)	L87	157

EXECUTIVE SUMMARY

Facility Status: Historical				
ACCENT ON WINDOWS	423 N VARNEY ST #A	S 1/8 - 1/4 (0.150 mi.)	I89	157
Facility Status: Historical				
LEE ENGINEERING CO.	440 N MOSS ST	S 1/8 - 1/4 (0.157 mi.)	L95	162
Facility Status: Historical				
TERRY LUMBER CO	640 N VICTORY BLVD	SSW 1/8 - 1/4 (0.175 mi.)	R111	193
Facility Status: Historical				
JOHN W. TORRANCE COM	441 N MOSS ST	S 1/8 - 1/4 (0.186 mi.)	S118	201
Facility Status: Historical				
MARK'S OFF ROAD ENTE	437 N MOSS ST	S 1/8 - 1/4 (0.188 mi.)	S120	201
Facility Status: Historical				
HYRAIL	415 N. FRONT ST.	SE 1/8 - 1/4 (0.196 mi.)	126	207
Facility Status: Active				
ACME AUTOWORK	738 N. VICTORY BLVD.	WSW 1/8 - 1/4 (0.197 mi.)	V127	207
Facility Status: Backlog				
PRECISION MILLING CO	161 W CYPRESS AVE	SSW 1/8 - 1/4 (0.202 mi.)	Y141	227
Facility Status: Historical				
GEORGIANA	150 W CYPRESS AVE #F	SSW 1/8 - 1/4 (0.203 mi.)	Y143	232
Facility Status: Historical				
BURBANK CITY, BURBAN	164 W MAGNOLIA BLVD	S 1/8 - 1/4 (0.211 mi.)	Q151	239
Facility Status: Backlog				
IMAGE ENGINEERING IN	632 N VICTORY BLVD	SSW 1/8 - 1/4 (0.218 mi.)	R168	311
Facility Status: Historical				
ORO AMERICA	413 N. MOSS ST	S 1/8 - 1/4 (0.223 mi.)	S176	317
Facility Status: Backlog				
ECONOMY ROOF & INSUL	700 N VICTORY BLVD	SW 1/8 - 1/4 (0.223 mi.)	AD179	319
Facility Status: Historical				
B M S AIRCRAFT CO.	717 N VICTORY BLVD	SW 1/8 - 1/4 (0.235 mi.)	V186	325
Facility Status: Historical				
ARRIFLEX CORP	600 N VICTORY BLVD	SSW 1/8 - 1/4 (0.239 mi.)	AG195	353
Facility Status: Historical				
FOAM MART	628 N VICTORY BLVD	SSW 1/8 - 1/4 (0.239 mi.)	AG196	355
Facility Status: Historical				
FREMONT PRESS	624 N VICTORY BLVD	SSW 1/8 - 1/4 (0.239 mi.)	AG197	355
Facility Status: Historical				
ARDENT SHEET METAL	156 W CYPRESS AVE	SSW 1/8 - 1/4 (0.244 mi.)	Y202	361
Facility Status: Historical				

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR Hist Auto: EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR

EXECUTIVE SUMMARY

researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

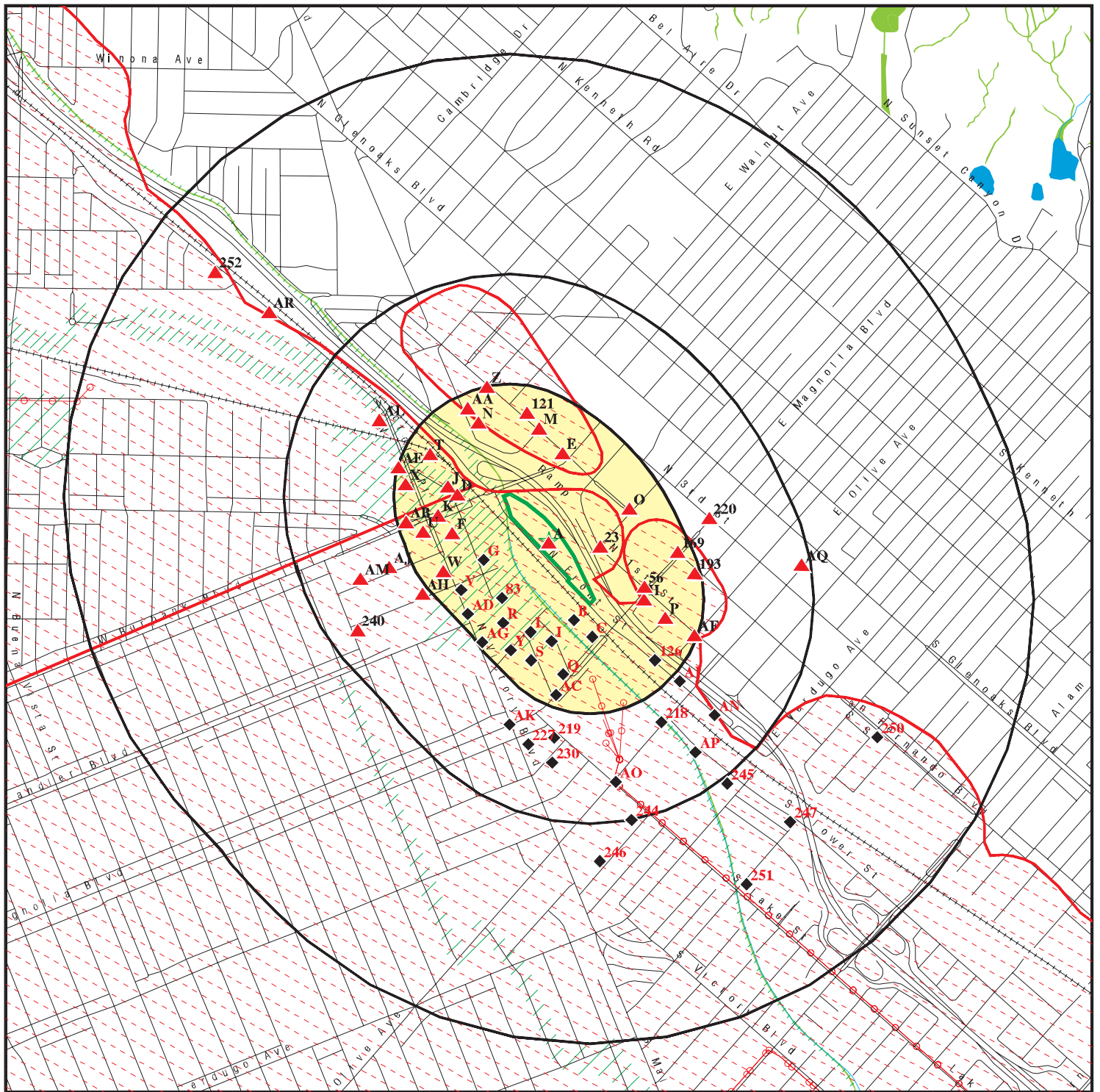
A review of the EDR Hist Auto list, as provided by EDR, has revealed that there are 3 EDR Hist Auto sites within approximately 0.125 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
WARREN LEE	56 E MAGNOLIA BLVD	SE 0 - 1/8 (0.110 mi.)	H47	126
FRIEND S AUTOMOTIVE	109 E BURBANK BLVD	N 0 - 1/8 (0.113 mi.)	E51	128
MC MASTER B A	5 E MAGNOLIA BLVD	ESE 0 - 1/8 (0.119 mi.)	56	130

EXECUTIVE SUMMARY

There were no unmapped sites in this report.

OVERVIEW MAP - 5320614.2S



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

National Priority List Sites

Dept. Defense Sites

Indian Reservations BIA

Power transmission lines

100-year flood zone

500-year flood zone

National Wetland Inventory

State Wetlands

Upgradient Area

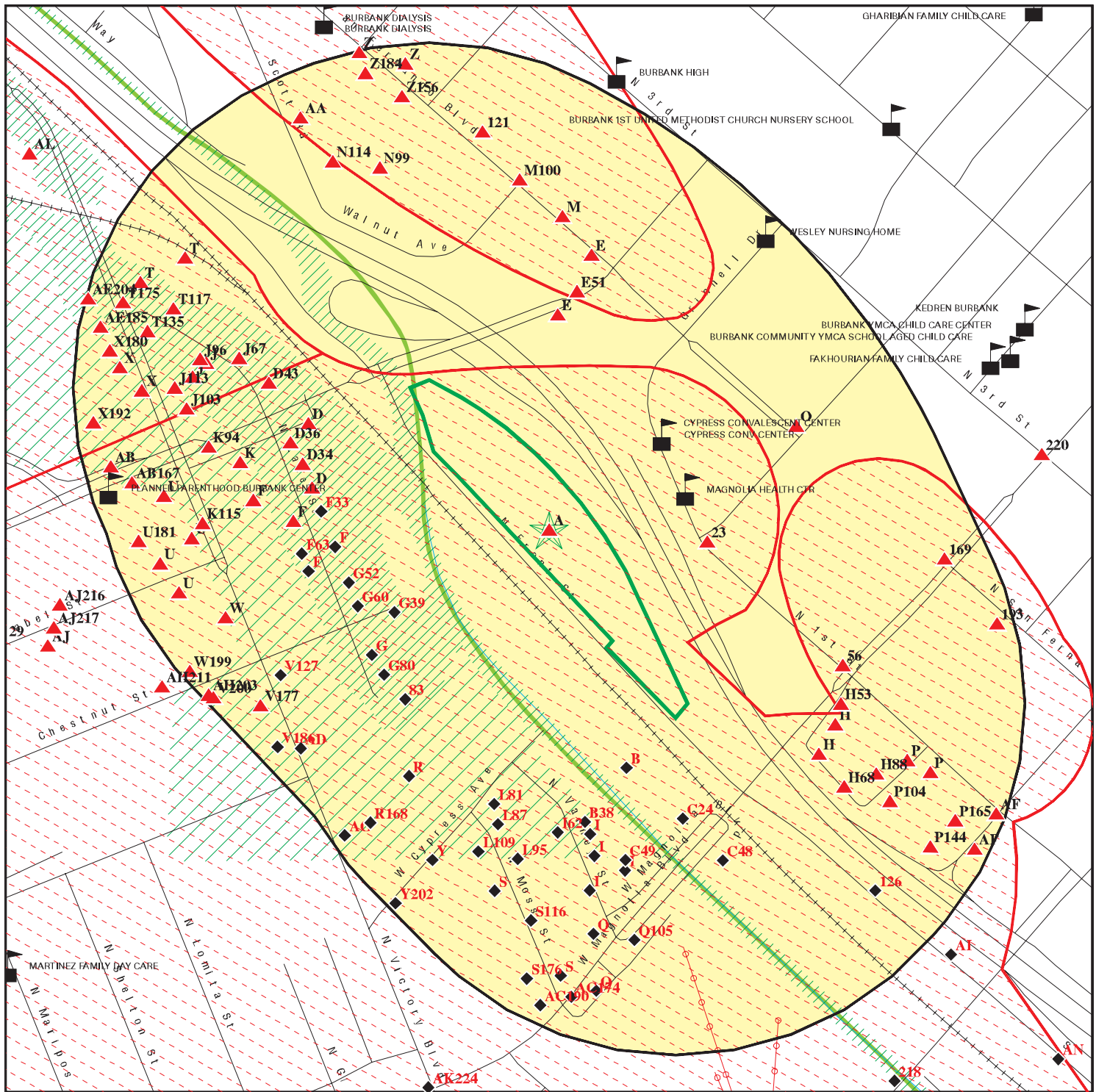
Areas of Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Burbank Update ESA
ADDRESS: 777 Front St
Burbank CA 91502
LAT/LONG: 34.183453 / 118.31689

CLIENT: Blackstone Consulting, LLC
CONTACT: Adrian Rivas
INQUIRY #: 5320614.2s
DATE: June 04, 2018 9:31 pm

DETAIL MAP - 5320614.2S



- Legend:**

 - Target Property
 - Sites at elevations higher than or equal to the target property
 - Sites at elevations lower than the target property
 - Manufactured Gas Plants
 - Sensitive Receptors
 - National Priority List Sites
 - Dept. Defense Sites
 - Indian Reservations BIA
 - Power transmission lines
 - 100-year flood zone
 - 500-year flood zone
 - National Wetland Inventory
 - State Wetlands
 - Areas of Concern

Scale: 0 to 1/4 Miles

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Burbank Update ESA
ADDRESS: 777 Front St
Burbank CA 91502
LAT/LONG: 34.183453 / 118.31689

CLIENT: Blackstone Consulting, LLC
CONTACT: Adrian Rivas
INQUIRY #: 5320614.2s
DATE: June 04, 2018 9:32 pm

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Federal NPL site list								
NPL	1.000		2	0	0	0	NR	2
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	TP		NR	NR	NR	NR	NR	0
Federal Delisted NPL site list								
Delisted NPL	1.000		0	0	0	0	NR	0
Federal CERCLIS list								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		3	0	1	NR	NR	4
Federal CERCLIS NFRAP site list								
SEMS-ARCHIVE	0.500	1	0	0	3	NR	NR	4
Federal RCRA CORRACTS facilities list								
CORRACTS	1.000		0	0	1	1	NR	2
Federal RCRA non-CORRACTS TSD facilities list								
RCRA-TSDF	0.500		0	0	1	NR	NR	1
Federal RCRA generators list								
RCRA-LQG	0.250		0	4	NR	NR	NR	4
RCRA-SQG	0.250	1	5	17	NR	NR	NR	23
RCRA-CESQG	0.250		0	1	NR	NR	NR	1
Federal institutional controls / engineering controls registries								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		2	0	0	NR	NR	2
US INST CONTROL	0.500		1	0	0	NR	NR	1
Federal ERNS list								
ERNS	TP		NR	NR	NR	NR	NR	0
State- and tribal - equivalent NPL								
RESPONSE	1.000		0	0	1	0	NR	1
State- and tribal - equivalent CERCLIS								
ENVIROSTOR	1.000		2	5	8	7	NR	22
State and tribal landfill and/or solid waste disposal site lists								
SWF/LF	0.500		0	0	1	NR	NR	1
State and tribal leaking storage tank lists								
LUST	0.500		0	6	5	NR	NR	11

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
INDIAN LUST	0.500		0	0	0	NR	NR	0
CPS-SLIC	0.500	1	4	11	13	NR	NR	29
State and tribal registered storage tank lists								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250		1	4	NR	NR	NR	5
AST	0.250		0	4	NR	NR	NR	4
INDIAN UST	0.250		0	0	NR	NR	NR	0
State and tribal voluntary cleanup sites								
INDIAN VCP	0.500		0	0	0	NR	NR	0
VCP	0.500		0	1	0	NR	NR	1
State and tribal Brownfields sites								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
WMUDS/SWAT	0.500		0	0	0	NR	NR	0
SWRCY	0.500		0	1	0	NR	NR	1
HAULERS	TP		NR	NR	NR	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
AOCONCERN	1.000		0	0	0	0	NR	0
US HIST CDL	TP		NR	NR	NR	NR	NR	0
HIST Cal-Sites	1.000		2	0	0	0	NR	2
SCH	0.250		0	0	NR	NR	NR	0
CDL	TP		NR	NR	NR	NR	NR	0
Toxic Pits	1.000		0	0	0	0	NR	0
US CDL	TP		NR	NR	NR	NR	NR	0
Local Lists of Registered Storage Tanks								
SWEEPS UST	0.250	1	3	10	NR	NR	NR	14
HIST UST	0.250	2	8	16	NR	NR	NR	26
CA FID UST	0.250		2	5	NR	NR	NR	7
Local Land Records								
LIENS	TP		NR	NR	NR	NR	NR	0
LIENS 2	TP		NR	NR	NR	NR	NR	0
DEED	0.500		0	0	1	NR	NR	1

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
Records of Emergency Release Reports								
HMIRS	TP		NR	NR	NR	NR	NR	0
CHMIRS	TP		NR	NR	NR	NR	NR	0
LDS	TP		NR	NR	NR	NR	NR	0
MCS	TP		NR	NR	NR	NR	NR	0
SPILLS 90	TP		NR	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		0	4	NR	NR	NR	4
FUDS	1.000		0	0	1	0	NR	1
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ROD	1.000		2	0	0	0	NR	2
RMP	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
ICIS	TP	1	NR	NR	NR	NR	NR	1
FTTS	TP	1	NR	NR	NR	NR	NR	1
MLTS	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP	1	NR	NR	NR	NR	NR	1
DOT OPS	TP		NR	NR	NR	NR	NR	0
CONSENT	1.000		1	0	0	0	NR	1
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	TP	4	NR	NR	NR	NR	NR	4
ECHO	TP	1	NR	NR	NR	NR	NR	1
DOCKET HWC	TP		NR	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
CA BOND EXP. PLAN	1.000		0	0	0	0	NR	0
Cortese	0.500		2	0	1	NR	NR	3
CUPA Listings	0.250		0	0	NR	NR	NR	0
DRYCLEANERS	0.250		1	7	NR	NR	NR	8
EMI	TP	1	NR	NR	NR	NR	NR	1

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
ENF	TP		NR	NR	NR	NR	NR	0
Financial Assurance	TP		NR	NR	NR	NR	NR	0
HAZNET	TP	7	NR	NR	NR	NR	NR	7
ICE	TP		NR	NR	NR	NR	NR	0
HIST CORTESE	0.500	1	0	3	6	NR	NR	10
LOS ANGELES CO. HMS	TP	1	NR	NR	NR	NR	NR	1
HWP	1.000		0	0	1	1	NR	2
HWT	0.250		0	0	NR	NR	NR	0
MINES	0.250		0	0	NR	NR	NR	0
MWMP	0.250		0	0	NR	NR	NR	0
NPDES	TP		NR	NR	NR	NR	NR	0
PEST LIC	TP		NR	NR	NR	NR	NR	0
PROC	0.500		0	0	0	NR	NR	0
Notify 65	1.000		1	0	0	1	NR	2
LA Co. Site Mitigation	TP		NR	NR	NR	NR	NR	0
UIC	TP		NR	NR	NR	NR	NR	0
WASTEWATER PITS	0.500		0	0	0	NR	NR	0
WDS	TP		NR	NR	NR	NR	NR	0
WIP	0.250	1	29	83	NR	NR	NR	113
WELL STIM PROJ	TP		NR	NR	NR	NR	NR	0
PROJECT	TP		NR	NR	NR	NR	NR	0
MILITARY PRIV SITES	TP		NR	NR	NR	NR	NR	0
NON-CASE INFO	TP		NR	NR	NR	NR	NR	0
OTHER OIL GAS	TP		NR	NR	NR	NR	NR	0
PROD WATER PONDS	TP		NR	NR	NR	NR	NR	0
CIWQS	TP	2	NR	NR	NR	NR	NR	2
SAMPLING POINT	TP		NR	NR	NR	NR	NR	0
UIC GEO	TP		NR	NR	NR	NR	NR	0

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		3	NR	NR	NR	NR	3
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF	TP		NR	NR	NR	NR	NR	0
RGA LUST	TP		NR	NR	NR	NR	NR	0

- Totals --		27	74	182	44	10	0	337
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NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A1
Target
Property

ZERO CORP
777 FRONT ST
BURBANK, CA 91503

FTTS **1010012131**
N/A

Site 1 of 19 in cluster A

Actual:
582 ft.

FTTS INSP:
Inspection Number: 19890222CA001 1
Region: 09
Inspection Date: 02/22/89
Inspector: BERMAN
Violation occurred: No
Investigation Type: Section 6 PCB State Conducted
Investigation Reason: Neutral Scheme, State
Legislation Code: TSCA
Facility Function: User

A2
Target
Property

ZERO CORP.- ZERO WEST DIVISION
777 FRONT
BURBANK, CA 91502

CIWQS **S121693123**
N/A

Site 2 of 19 in cluster A

Actual:
582 ft.

CIWQS:
Agency: APW Zero Cases
Agency Address: Not reported
Place/Project Type: Other
SIC/NAICS: Not reported
Region: 4
Program: NPDNONMUNIPRCS
Regulatory Measure Status: Historical
Regulatory Measure Type: Enrollee
Order Number: 97-045
WDID: 4B196000531
NPDES Number: CAG994001
Adoption Date: Not reported
Effective Date: 07/19/1994
Termination Date: 07/23/2002
Expiration/Review Date: Not reported
Design Flow: 0
Major/Minor: Not reported
Complexity: C
TTWQ: 3
Enforcement Actions within 5 years: 0
Violations within 5 years: 0
Latitude: 34.183878
Longitude: -118.318041

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A3
Target
Property

ZERO CORP
777 FRONT ST
BURBANK, CA 91503

HIST FTTS **1008193244**
N/A

Site 3 of 19 in cluster A

Actual:
582 ft.

HIST FTTS INSP:
Inspection Number: 19890222CA001 1
Region: 09
Inspection Date: Not reported
Inspector: BERMAN
Violation occurred: No
Investigation Type: Section 6 PCB State Conducted
Investigation Reason: Neutral Scheme, State
Legislation Code: TSCA
Facility Function: User

A4
Target
Property

PACIFIC PIPELINE PROJ. FRONT
777 FRONT
LOS ANGELES, CA 91502

CIWQS **S121661812**
N/A

Site 4 of 19 in cluster A

Actual:
582 ft.

CIWQS:
Agency: Pacific Pipeline Systems Inc
Agency Address: 5900 Cherry Avenue, Long Beach, CA 90805-4408
Place/Project Type: Other
SIC/NAICS: 494
Region: 4
Program: NPDNONMUNIPRCS
Regulatory Measure Status: Historical
Regulatory Measure Type: Enrollee
Order Number: 97-047
WDID: 4B196300071
NPDES Number: CAG674001
Adoption Date: Not reported
Effective Date: 04/02/1998
Termination Date: 10/30/1998
Expiration/Review Date: Not reported
Design Flow: 0.06
Major/Minor: Not reported
Complexity: C
TTWQ: 3
Enforcement Actions within 5 years: 0
Violations within 5 years: 0
Latitude: 34.183878
Longitude: -118.318041

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A5
Target
Property

777 NORTH FRONT STREET SITE
777 N FRONT ST
BURBANK, CA 91502

HIST UST
HAZNET

U001568362
N/A

Site 5 of 19 in cluster A

Actual:
582 ft.

HIST UST:

File Number: Not reported
URL: Not reported
Region: STATE
Facility ID: 00000063868
Facility Type: Other
Other Type: MANUFACTURING
Contact Name: TONY OZMEN
Telephone: 8188464191
Owner Name: ZERO CORPORATION
Owner Address: 777 FRONT STREET
Owner City,St,Zip: BURBANK, CA 91502
Total Tanks: 0000

Tank Num: 001
Container Num: 1
Year Installed: 1975
Tank Capacity: 00005000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: 1/4
Leak Detection: Stock Inventor

Tank Num: 002
Container Num: 2
Year Installed: 1975
Tank Capacity: 00005000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: 1/4
Leak Detection: Stock Inventor

HAZNET:

envid: U001568362
Year: 2016
GEPAID: CAC002870719
Contact: KIMBERLY PAPERIN
Telephone: 3103645234
Mailing Name: Not reported
Mailing Address: 222 N SEPULVEDA BLVD STE 2000
Mailing City,St,Zip: EL SEGUNDO, CA 902455614
Gen County: Los Angeles
TSD EPA ID: CAD028409019
TSD County: Los Angeles
Waste Category: Other organic solids
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Recovery (H010-H129) Or (H131-H135)
Tons: 0.176
Cat Decode: Other organic solids
Method Decode: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Recovery (H010-H129) Or (H131-H135)
Facility County: Los Angeles

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

777 NORTH FRONT STREET SITE (Continued)

U001568362

envid: U001568362
Year: 2016
GEPAID: CAC002870719
Contact: KIMBERLY PAPERIN
Telephone: 3103645234
Mailing Name: Not reported
Mailing Address: 222 N SEPULVEDA BLVD STE 2000
Mailing City,St,Zip: EL SEGUNDO, CA 902455614
Gen County: Los Angeles
TSD EPA ID: CAD028409019
TSD County: Los Angeles
Waste Category: Unspecified oil-containing waste
Disposal Method: Discharge To Sewer/Potw Or Npdes(With Prior Storage--With Or Without Treatment)
Tons: 0.09591
Cat Decode: Unspecified oil-containing waste
Method Decode: Discharge To Sewer/Potw Or Npdes(With Prior Storage--With Or Without Treatment)
Facility County: Los Angeles

A6
Target
Property

FORD MOTOR LAND DEVELOPMENT CO
777 FRONT ST
BURBANK, CA 91502

HAZNET **S112936264**
N/A

Site 6 of 19 in cluster A

Actual:
582 ft.

HAZNET:
envid: S112936264
Year: 2004
GEPAID: CAC002575491
Contact: D CHUINARD
Telephone: 3135944483
Mailing Name: Not reported
Mailing Address: 550 TOWN CENTER DR
Mailing City,St,Zip: DEERBORNE, MI 48126
Gen County: Not reported
TSD EPA ID: CAD009007626
TSD County: Not reported
Waste Category: Asbestos containing waste
Disposal Method: Disposal, Land Fill
Tons: 67.42
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

A7
Target
Property

ZERO CORP
777 N FRONT ST
BURBANK, CA 91503

SEMS-ARCHIVE **1015732628**
RCRA-SQG **CAD008255069**

Site 7 of 19 in cluster A

Actual:
582 ft.

SEMS Archive:
Site ID: 901003
EPA ID: CAD008255069
Cong District: 22
FIPS Code: 6037

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ZERO CORP (Continued)

1015732628

FF: N
NPL: Not on the NPL
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

SEMS Archive Detail:

Region: 9
Site ID: 901003
EPA ID: CAD008255069
Site Name: ZERO CORP
NPL: N
FF: N
OU: 0
Action Code: VS
Action Name: ARCH SITE
SEQ: 1
Start Date: Not reported
Finish Date: 1986-06-01 00:00:00
Qual: Not reported
Current Action Lead: EPA Perf In-Hse

Region: 9
Site ID: 901003
EPA ID: CAD008255069
Site Name: ZERO CORP
NPL: N
FF: N
OU: 0
Action Code: PA
Action Name: PA
SEQ: 1
Start Date: 1985-12-01 00:00:00
Finish Date: 1986-06-01 00:00:00
Qual: N
Current Action Lead: St Perf

Region: 9
Site ID: 901003
EPA ID: CAD008255069
Site Name: ZERO CORP
NPL: N
FF: N
OU: 0
Action Code: DS
Action Name: DISCVRY
SEQ: 1
Start Date: 1986-02-01 00:00:00
Finish Date: 1986-02-01 00:00:00
Qual: Not reported
Current Action Lead: St Perf

RCRA-SQG:

Date form received by agency: 09/01/1996
Facility name: ZERO CORPORATION
Facility address: 777 FRONT ST
BURBANK, CA 91503
EPA ID: CAD008255069

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ZERO CORP (Continued)

1015732628

Contact: Not reported
Contact address: Not reported
Contact country: US
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 09
Land type: Facility is not located on Indian land. Additional information is not known.
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: ZERO CORPORATION
Owner/operator address: NOT REQUIRED
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ZERO CORP (Continued)

1015732628

Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 09/01/1996
Site name: ZERO CORPORATION
Classification: Small Quantity Generator

Date form received by agency: 02/26/1992
Site name: ZERO ENCLOSURES
Classification: Large Quantity Generator

Date form received by agency: 04/16/1990
Site name: ZERO CORPORATION
Classification: Large Quantity Generator

Date form received by agency: 08/18/1980
Site name: ZERO CORPORATION
Classification: Large Quantity Generator

Facility Has Received Notices of Violations:

Regulation violated: F - 262.50-60
Area of violation: Generators - General
Date violation determined: 08/23/1988
Date achieved compliance: 08/30/1988
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 268.7
Area of violation: LDR - General
Date violation determined: 08/23/1988
Date achieved compliance: 08/30/1988
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:

Evaluation date: 08/23/1988
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 08/30/1988
Evaluation lead agency: State

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ZERO CORP (Continued)

1015732628

Evaluation date: 08/23/1988
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General
Date achieved compliance: 08/30/1988
Evaluation lead agency: State

**A8
Target
Property**

**T.O.W. PRODUCTIONS CORP
777 FRONT ST
BURBANK, CA 91502**

**HAZNET S112843851
N/A**

Site 8 of 19 in cluster A

**Actual:
582 ft.**

HAZNET:
envid: S112843851
Year: 1996
GEPAID: CAC000766376
Contact: T.O.W. PRODUCTIONS CORP
Telephone: 8182382450
Mailing Name: Not reported
Mailing Address: 8228 SUNSET BLVD, #311
Mailing City,St,Zip: LOS ANGELES, CA 900460000
Gen County: Not reported
TSD EPA ID: CAD000088252
TSD County: Not reported
Waste Category: Off-specification, aged or surplus organics
Disposal Method: Transfer Station
Tons: .0041
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: S112843851
Year: 1996
GEPAID: CAC000766376
Contact: T.O.W. PRODUCTIONS CORP
Telephone: 8182382450
Mailing Name: Not reported
Mailing Address: 8228 SUNSET BLVD, #311
Mailing City,St,Zip: LOS ANGELES, CA 900460000
Gen County: Not reported
TSD EPA ID: CAD000088252
TSD County: Not reported
Waste Category: Paint sludge
Disposal Method: Transfer Station
Tons: .1459
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A9
Target
Property

FORD LEASING DEVELOPMENT CO
777 FRONT ST
BURBANK, CA 91502

HAZNET

S112952652
N/A

Site 9 of 19 in cluster A

Actual:
582 ft.

HAZNET:

envid: S112952652
Year: 2006
GEPAID: CAC002602332
Contact: D CHUINARD
Telephone: 3135944483
Mailing Name: Not reported
Mailing Address: 550 TOWN CENTER DR
Mailing City,St,Zip: DEARBORN, MI 48126
Gen County: Not reported
TSD EPA ID: CAT000646117
TSD County: Not reported
Waste Category: Other organic solids
Disposal Method: Not reported
Tons: 15.17
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: S112952652
Year: 2006
GEPAID: CAC002602332
Contact: D CHUINARD
Telephone: 3135944483
Mailing Name: Not reported
Mailing Address: 550 TOWN CENTER DR
Mailing City,St,Zip: DEARBORN, MI 48126
Gen County: Not reported
TSD EPA ID: AZ0000337360
TSD County: Not reported
Waste Category: Waste oil and mixed oil
Disposal Method: Recycler
Tons: 0.25
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: S112952652
Year: 2006
GEPAID: CAC002602332
Contact: D CHUINARD
Telephone: 3135944483
Mailing Name: Not reported
Mailing Address: 550 TOWN CENTER DR
Mailing City,St,Zip: DEARBORN, MI 48126
Gen County: Not reported
TSD EPA ID: CAT000646117
TSD County: Not reported
Waste Category: Other organic solids
Disposal Method: Disposal, Land Fill
Tons: 15.17
Cat Decode: Not reported
Method Decode: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORD LEASING DEVELOPMENT CO (Continued)

S112952652

Facility County: Los Angeles

A10
Target
Property

ZERO WEST DIV
777 FRONT ST
BURBANK, CA 91502

CPS-SLIC
SWEEPS UST
HIST UST
HIST CORTESE
WIP

S103990252
N/A

Site 10 of 19 in cluster A

Actual:
582 ft.

CPS-SLIC:
Region: STATE
Facility Status: Open - Site Assessment
Status Date: 06/29/2001
Global Id: SL0611181789
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number: Not reported
Latitude: 34.1837379519475
Longitude: -118.317221734007
Case Type: Cleanup Program Site
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: 109.6162
File Location: Regional Board
Potential Media Affected: Soil
Potential Contaminants of Concern: Other Chlorinated Hydrocarbons, Chromium, Chromium VI
Site History: Historical use of hexavalent chromium (CrVI) has been documented for the site. CrVI has been detected at 410 ug/kg. The site will undergo additional investigation to determine the vertical extent of CrVI released to the subsurface at the site.

Click here to access the California GeoTracker records for this facility:

SWEEPS UST:

Status: Active
Comp Number: 9653
Number: 9
Board Of Equalization: Not reported
Referral Date: 12-05-90
Action Date: 12-05-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: Not reported
Tank Status: Not reported
Capacity: Not reported
Active Date: Not reported
Tank Use: Not reported
STG: Not reported
Content: Not reported
Number Of Tanks: Not reported

HIST UST:

File Number: 00028971
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00028971.pdf>
Region: Not reported
Facility ID: Not reported
Facility Type: Not reported
Other Type: Not reported
Contact Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ZERO WEST DIV (Continued)

S103990252

Telephone: Not reported
Owner Name: Not reported
Owner Address: Not reported
Owner City,St,Zip: Not reported
Total Tanks: Not reported

Tank Num: Not reported
Container Num: Not reported
Year Installed: Not reported
Tank Capacity: Not reported
Tank Used for: Not reported
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Not reported

Click here for Geo Tracker PDF:

HIST CORTESE:

Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: 3118

WIP:

Region: 4
File Number: 109.6162
File Status: Backlog
Staff: UNIDENTIFIED
Facility Suite: Not reported

A11
Target
Property
PACIFIC PIPELINE PROJ. FRONT
777 FRONT
LOS ANGELES, CA 91502

FINDS **1023375668**
N/A

Site 11 of 19 in cluster A

Actual:
582 ft.

FINDS:

Registry ID: 110066737785

Environmental Interest/Information System
STATE MASTER

[Click this hyperlink](#) while viewing on your computer to access
additional FINDS: detail in the EDR Site Report.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A12
Target
Property

BURBANK
777 FRONT STREET
BURBANK, CA 91502

ICIS
FINDS
ECHO

1000324879
N/A

Site 12 of 19 in cluster A

Actual:
582 ft.

ICIS:
Enforcement Action ID: 09-1990-0026
FRS ID: 110002142556
Action Name: ZERO CORPORATION
Facility Name: ZERO CORPORATION W DIVISION
Facility Address: 777 FRONT ST.
BURBANK, CA 91502
Enforcement Action Type: Civil Judicial Action
Facility County: LOS ANGELES
Program System Acronym: ICIS
Enforcement Action Forum Desc: Judicial
EA Type Code: CIV
Facility SIC Code: 5039
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 34.184527
Longitude in Decimal Degrees: -118.317263
Permit Type Desc: Not reported
Program System Acronym: 27916
Facility NAICS Code: Not reported
Tribal Land Code: Not reported

Facility Name: ZERO CORP. W. DIV.
Address: 777 FRONT STREET
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 5039

Facility Name: ZERO CORP. W. DIV.
Address: 777 FRONT STREET
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 5039

Facility Name: ZERO CORP. W. DIV.
Address: 777 FRONT STREET
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 5039

Facility Name: ZERO CORP. W. DIV.
Address: 777 FRONT STREET
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 5039

Facility Name: ZERO CORP. W. DIV.
Address: 777 FRONT STREET
Tribal Indicator: N

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BURBANK (Continued)

1000324879

Fed Facility: No
NAIC Code: Not reported
SIC Code: 5039

Facility Name: ZERO CORP. W. DIV.
Address: 777 FRONT STREET
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 5039

FINDS:

Registry ID: 110002142556

Environmental Interest/Information System

NCDB (National Compliance Data Base) supports implementation of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) and the Toxic Substances Control Act (TSCA). The system tracks inspections in regions and states with cooperative agreements, enforcement actions, and settlements.

US EPA TRIS (Toxics Release Inventory System) contains information from facilities on the amounts of over 300 listed toxic chemicals that these facilities release directly to air, water, land, or that are transported off-site.

US National Pollutant Discharge Elimination System (NPDES) module of the Compliance Information System (ICIS) tracks surface water permits issued under the Clean Water Act. Under NPDES, all facilities that discharge pollutants from any point source into waters of the United States are required to obtain a permit. The permit will likely contain limits on what can be discharged, impose monitoring and reporting requirements, and include other provisions to ensure that the discharge does not adversely affect water quality.

HAZARDOUS AIR POLLUTANT MAJOR

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

ICIS (Integrated Compliance Information System) is the Integrated Compliance Information System and provides a database that, when complete, will contain integrated Enforcement and Compliance information across most of EPA's programs. The vision for ICIS is to replace EPA's independent databases that contain Enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions. This information is maintained in ICIS by EPA in the Regional offices and at Headquarters. A future release of ICIS will replace the Permit Compliance System (PCS) which supports the NPDES and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities occurring in the Region

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BURBANK (Continued)

1000324879

that support Compliance and Enforcement programs. These include;
Incident Tracking, Compliance Assistance, and Compliance Monitoring.

[Click this hyperlink](#) while viewing on your computer to access
additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1000324879
Registry ID: 110002142556
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110002142556>

**A13
Target
Property**

**ZERO CORP.- ZERO WEST DIVISION
777 FRONT
BURBANK, CA 91502**

**FINDS 1023262803
N/A**

Site 13 of 19 in cluster A

**Actual:
582 ft.**

FINDS:

Registry ID: 110065522401

Environmental Interest/Information System
STATE MASTER

[Click this hyperlink](#) while viewing on your computer to access
additional FINDS: detail in the EDR Site Report.

**A14
Target
Property**

**FORD LEASING DEVELOPMENT COMPANY (FORMER ZERO CORP
777 FRONT STREET
BURBANK, CA 91502**

**FINDS 1023308922
N/A**

Site 14 of 19 in cluster A

**Actual:
582 ft.**

FINDS:

Registry ID: 110066016028

Environmental Interest/Information System
STATE MASTER

[Click this hyperlink](#) while viewing on your computer to access
additional FINDS: detail in the EDR Site Report.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A15
Target
Property

ZERO WEST DIVISION
777 FRONT STREET
BURBANK, CA 91502

EMI **S105036178**
N/A

Site 15 of 19 in cluster A

Actual:
582 ft.

EMI:

Year: 1987
County Code: 19
Air Basin: SC
Facility ID: 9056
Air District Name: SC
SIC Code: 3469
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 65
Reactive Organic Gases Tons/Yr: 20
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 2
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

Year: 1990
County Code: 19
Air Basin: SC
Facility ID: 9056
Air District Name: SC
SIC Code: 3469
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 14
Reactive Organic Gases Tons/Yr: 6
Carbon Monoxide Emissions Tons/Yr: 4
NOX - Oxides of Nitrogen Tons/Yr: 15
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 1
Part. Matter 10 Micrometers and Smllr Tons/Yr:1

A16
Target
Property

JERRY GATES-THE CROW
777 FRONT ST
BURBANK, CA 91503

HAZNET **S112863798**
N/A

Site 16 of 19 in cluster A

Actual:
582 ft.

HAZNET:

envid: S112863798
Year: 1995
GEPAID: CAC001056584
Contact: JERRY GATES
Telephone: 0000000000
Mailing Name: Not reported
Mailing Address: 777 FRONT ST
Mailing City,St,Zip: BURBANK, CA 915030000
Gen County: Not reported
TSD EPA ID: CAD008252405
TSD County: Not reported
Waste Category: Unspecified organic liquid mixture

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

JERRY GATES-THE CROW (Continued)

S112863798

Disposal Method: Recycler
Tons: .4586
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

**A17
Target
Property**

**RED LINE/3RD TIME PRODUCTIONS
777 FRONT ST
BURBANK, CA 91502**

HAZNET

**S112892003
N/A**

Site 17 of 19 in cluster A

**Actual:
582 ft.**

HAZNET:

envid: S112892003
Year: 2000
GEPAID: CAC001442384
Contact: MARY MC LAUGHLIN/PACIFIC RESOU
Telephone: 2322617145
Mailing Name: Not reported
Mailing Address: 100 UNIVERSAL CITY PLAZA BLDG
Mailing City,St,Zip: UNIVERSAL CITY, CA 916080000
Gen County: Not reported
TSD EPA ID: CAD008252405
TSD County: Not reported
Waste Category: Aqueous solution with total organic residues 10 percent or more
Disposal Method: Recycler
Tons: 0.68
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: S112892003
Year: 2000
GEPAID: CAC001442384
Contact: MARY MC LAUGHLIN/PACIFIC RESOU
Telephone: 2322617145
Mailing Name: Not reported
Mailing Address: 100 UNIVERSAL CITY PLAZA BLDG
Mailing City,St,Zip: UNIVERSAL CITY, CA 916080000
Gen County: Not reported
TSD EPA ID: CAD008252405
TSD County: Not reported
Waste Category: Other organic solids
Disposal Method: Transfer Station
Tons: 0.1
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: S112892003
Year: 2000
GEPAID: CAC001442384
Contact: MARY MC LAUGHLIN/PACIFIC RESOU
Telephone: 2322617145
Mailing Name: Not reported
Mailing Address: 100 UNIVERSAL CITY PLAZA BLDG
Mailing City,St,Zip: UNIVERSAL CITY, CA 916080000
Gen County: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RED LINE/3RD TIME PRODUCTIONS (Continued)

S112892003

TSD EPA ID: CAD008252405
TSD County: Not reported
Waste Category: Unspecified solvent mixture
Disposal Method: Recycler
Tons: 0.14
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

A18
Target
Property

ZERO WEST DIV
777 N FRONT ST
BURBANK, CA 91502

LOS ANGELES CO. HMS
S106915053
N/A

Site 18 of 19 in cluster A

Actual:
582 ft.

LOS ANGELES CO. HMS:
Region: LA
Permit Category: T
Facility Id: 009812-009653
Facility Type: 0
Facility Status: Removed
Area: 3E
Permit Number: 00000887T
Permit Status: Removed

A19
Target
Property

INDEPENDENCE INC
777 FRONT ST
BURBANK, CA 91502

HAZNET
S112875033
N/A

Site 19 of 19 in cluster A

Actual:
582 ft.

HAZNET:
envid: S112875033
Year: 1996
GEPAID: CAC001217472
Contact: INDEPENDENCE INC
Telephone: 8182382457
Mailing Name: Not reported
Mailing Address: 9937 JEFFERSON BLVD SUITE 200
Mailing City,St,Zip: CLOVIS, CA 902320000
Gen County: Not reported
TSD EPA ID: CAD000088252
TSD County: Not reported
Waste Category: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method: Transfer Station
Tons: .0417
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NPL
Region

< 1/8
1 ft.

**SAN FERNANDO VALLEY (AREA 2)
CRYSTAL SPRINGS WELLFIELD AREA
GLENDALE, CA 91209**

**NPL
SEMS
US ENG CONTROLS
ENVIROSTOR
HIST Cal-Sites
ROD
PRP
ICIS
FINDS
ECHO
Cortese**

**1000710134
CAD980894901**

NPL:

EPA ID: CAD980894901
Cercdis ID: 902252
EPA Region: 9
Federal: N
Final Date: 1986-06-10 00:00:00
Site Score: 42.240000000000002
Latitude: 34.1631390000000001
Longitude: -118.286

Category Details:

NPL Status: Currently on the Final NPL
Category Description: Depth To Aquifer-<= 10 Feet
Category Value: 1

NPL Status: Currently on the Final NPL
Category Description: Distance To Nearest Population-> 0 And <= 1/4 Mile
Category Value: 10

Site Details:

Site Name: SAN FERNANDO VALLEY (AREA 2)
Site Status: Final
Site Zip: 91209
Site City: GLENDALE
Site State: CA
Federal Site: No
Site County: LOS ANGELES
EPA Region: 09
Date Proposed: 10/15/84
Date Deleted: Not reported
Date Finalized: 06/10/86

Substance Details:

NPL Status: Currently on the Final NPL
Substance ID: Not reported
Substance: Not reported
CAS #: Not reported
Pathway: Not reported
Scoring: Not reported

NPL Status: Currently on the Final NPL
Substance ID: U044
Substance: CHLOROFORM
CAS #: 67-66-3
Pathway: GROUND WATER PATHWAY
Scoring: 4

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAN FERNANDO VALLEY (AREA 2) (Continued)

1000710134

NPL Status: Currently on the Final NPL
Substance ID: U210
Substance: TETRACHLOROETHENE
CAS #: 127-18-4
Pathway: GROUND WATER PATHWAY
Scoring: 2

NPL Status: Currently on the Final NPL
Substance ID: U228
Substance: TRICHLOROETHYLENE (TCE)
CAS #: 79-01-6
Pathway: GROUND WATER PATHWAY
Scoring: 2

Summary Details:

Conditions at proposal October 15, 1984): San Fernando Valley Area 2) is an area of contaminated ground water located in the vicinity of the Crystal Springs Well Field in the Cities of Los Angeles and Glendale, Los Angeles County, California. This area is part of the San Fernando Valley Basin, a natural underground reservoir that represents an important source of drinking water for at least 3 million people in the Los Angeles metropolitan area. The contaminated ground water, which underlies an area of approximately 6,680 acres, contains trichloroethylene (TCE) and perchloroethylene (PCE), according to tests conducted by the California Department of Health Services, as well as numerous local government agencies. The State's recommended drinking water guidelines for TCE and PCE (5 and 4 parts per billion respectively) are exceeded in a number of public wells in this area. To alleviate this contamination, wells are either taken out of service or blended with water from clean sources to ensure that the public receives water with TCE/PCE concentrations below the State's guidelines. Status June 10, 1986): EPA and the Los Angeles Department of Water and Power are entering into a cooperative agreement for a remedial investigation of the San Fernando Valley Basin and a feasibility study targeted at Area 1, the most contaminated area. The RI is scheduled to begin in early 1986.

Site Status Details:

NPL Status: Final
Proposed Date: 10/15/1984
Final Date: 06/10/1986
Deleted Date: Not reported

Narratives Details:

NPL Name: SAN FERNANDO VALLEY (AREA 2)
City: GLENDALE
State: CA

SEMS:

Site ID: 902252
EPA ID: CAD980894901
Cong District: Not reported
FIPS Code: 6037
Latitude: 34.163139000000001
Longitude: -118.286
FF: N
NPL: Currently on the Final NPL

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAN FERNANDO VALLEY (AREA 2) (Continued)

1000710134

Non NPL Status: Not reported

SEMS Detail:

Region: 9
Site ID: 902252
EPA ID: CAD980894901
Site Name: SAN FERNANDO VALLEY (AREA 2)
NPL: F
FF: N
OU: 0
Action Code: NF
Action Name: NPL FINL
SEQ: 1
Start Date: 1986-06-10 00:00:00
Finish Date: 6/10/1986
Qual: Not reported
Current Action Lead: EPA Perf

Region: 9
Site ID: 902252
EPA ID: CAD980894901
Site Name: SAN FERNANDO VALLEY (AREA 2)
NPL: F
FF: N
OU: 0
Action Code: TA
Action Name: TECH ASSIST
SEQ: 1
Start Date: 1985-09-30 00:00:00
Finish Date: Not reported
Qual: Not reported
Current Action Lead: EPA Perf

Region: 9
Site ID: 902252
EPA ID: CAD980894901
Site Name: SAN FERNANDO VALLEY (AREA 2)
NPL: F
FF: N
OU: 0
Action Code: CR
Action Name: CI
SEQ: 2
Start Date: 1985-03-18 00:00:00
Finish Date: 3/31/1985
Qual: Not reported
Current Action Lead: EPA Perf

Region: 9
Site ID: 902252
EPA ID: CAD980894901
Site Name: SAN FERNANDO VALLEY (AREA 2)
NPL: F
FF: N
OU: 0
Action Code: CR
Action Name: CI
SEQ: 3

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAN FERNANDO VALLEY (AREA 2) (Continued)

1000710134

Start Date: 1989-09-25 00:00:00
Finish Date: Not reported
Qual: Not reported
Current Action Lead: EPA Perf

Region: 9
Site ID: 902252
EPA ID: CAD980894901
Site Name: SAN FERNANDO VALLEY (AREA 2)
NPL: F
FF: N
OU: 3
Action Code: RO
Action Name: ROD
SEQ: 2
Start Date: 1993-06-18 00:00:00
Finish Date: 6/18/1993
Qual: Not reported
Current Action Lead: EPA Perf

Region: 9
Site ID: 902252
EPA ID: CAD980894901
Site Name: SAN FERNANDO VALLEY (AREA 2)
NPL: F
FF: N
OU: 0
Action Code: RS
Action Name: RV ASSESS
SEQ: 1
Start Date: 1991-06-17 00:00:00
Finish Date: 6/17/1991
Qual: Not reported
Current Action Lead: EPA Perf

Region: 9
Site ID: 902252
EPA ID: CAD980894901
Site Name: SAN FERNANDO VALLEY (AREA 2)
NPL: F
FF: N
OU: 0
Action Code: FE
Action Name: 5 YEAR
SEQ: 3
Start Date: 2017-10-27 00:00:00
Finish Date: Not reported
Qual: Not reported
Current Action Lead: EPA Perf

Region: 9
Site ID: 902252
EPA ID: CAD980894901
Site Name: SAN FERNANDO VALLEY (AREA 2)
NPL: F
FF: N
OU: 0

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAN FERNANDO VALLEY (AREA 2) (Continued)

1000710134

Action Code: FE
Action Name: 5 YEAR
SEQ: 2
Start Date: 2013-09-30 00:00:00
Finish Date: 9/30/2013
Qual: Not reported
Current Action Lead: EPA Perf

Region: 9
Site ID: 902252
EPA ID: CAD980894901
Site Name: SAN FERNANDO VALLEY (AREA 2)
NPL: F
FF: N
OU: 4
Action Code: RV
Action Name: RMVL
SEQ: 1
Start Date: 2010-02-23 00:00:00
Finish Date: 4/30/2010
Qual: S
Current Action Lead: EPA Perf

Region: 9
Site ID: 902252
EPA ID: CAD980894901
Site Name: SAN FERNANDO VALLEY (AREA 2)
NPL: F
FF: N
OU: 0
Action Code: FE
Action Name: 5 YEAR
SEQ: 1
Start Date: 2008-01-25 00:00:00
Finish Date: 9/30/2008
Qual: Not reported
Current Action Lead: EPA Perf

Region: 9
Site ID: 902252
EPA ID: CAD980894901
Site Name: SAN FERNANDO VALLEY (AREA 2)
NPL: F
FF: N
OU: 0
Action Code: NP
Action Name: PROPOSED
SEQ: 1
Start Date: 1984-10-15 00:00:00
Finish Date: 10/15/1984
Qual: Not reported
Current Action Lead: EPA Perf

Region: 9
Site ID: 902252
EPA ID: CAD980894901
Site Name: SAN FERNANDO VALLEY (AREA 2)

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAN FERNANDO VALLEY (AREA 2) (Continued)

1000710134

NPL: F
FF: N
OU: 0
Action Code: FP
Action Name: FPA
SEQ: 1
Start Date: 1984-08-23 00:00:00
Finish Date: Not reported
Qual: Not reported
Current Action Lead: EPA Perf

Region: 9
Site ID: 902252
EPA ID: CAD980894901
Site Name: SAN FERNANDO VALLEY (AREA 2)
NPL: F
FF: N
OU: 4
Action Code: AR
Action Name: ADMIN REC
SEQ: 1
Start Date: 2017-05-25 00:00:00
Finish Date: Not reported
Qual: Not reported
Current Action Lead: EPA Perf

Region: 9
Site ID: 902252
EPA ID: CAD980894901
Site Name: SAN FERNANDO VALLEY (AREA 2)
NPL: F
FF: N
OU: 4
Action Code: RS
Action Name: RV ASSESS
SEQ: 2
Start Date: 2010-02-23 00:00:00
Finish Date: 4/30/2010
Qual: Not reported
Current Action Lead: EPA Perf

Region: 9
Site ID: 902252
EPA ID: CAD980894901
Site Name: SAN FERNANDO VALLEY (AREA 2)
NPL: F
FF: N
OU: 4
Action Code: FS
Action Name: FS
SEQ: 1
Start Date: 2016-01-16 00:00:00
Finish Date: Not reported
Qual: Not reported
Current Action Lead: EPA Perf

Region: 9

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAN FERNANDO VALLEY (AREA 2) (Continued)

1000710134

Site ID: 902252
EPA ID: CAD980894901
Site Name: SAN FERNANDO VALLEY (AREA 2)
NPL: F
FF: N
OU: 4
Action Code: RI
Action Name: RI
SEQ: 1
Start Date: 2011-09-27 00:00:00
Finish Date: 1/15/2016
Qual: Not reported
Current Action Lead: EPA Perf

Region: 9
Site ID: 902252
EPA ID: CAD980894901
Site Name: SAN FERNANDO VALLEY (AREA 2)
NPL: F
FF: N
OU: 0
Action Code: MA
Action Name: ST COOP
SEQ: 2
Start Date: 2012-03-21 00:00:00
Finish Date: Not reported
Qual: Not reported
Current Action Lead: EPA Perf

Region: 9
Site ID: 902252
EPA ID: CAD980894901
Site Name: SAN FERNANDO VALLEY (AREA 2)
NPL: F
FF: N
OU: 0
Action Code: MA
Action Name: ST COOP
SEQ: 1
Start Date: 2012-03-21 00:00:00
Finish Date: Not reported
Qual: Not reported
Current Action Lead: EPA Perf

Region: 9
Site ID: 902252
EPA ID: CAD980894901
Site Name: SAN FERNANDO VALLEY (AREA 2)
NPL: F
FF: N
OU: 0
Action Code: CR
Action Name: CI
SEQ: 4
Start Date: 2008-03-10 00:00:00
Finish Date: Not reported
Qual: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAN FERNANDO VALLEY (AREA 2) (Continued)

1000710134

Current Action Lead:	EPA Perf
Region:	9
Site ID:	902252
EPA ID:	CAD980894901
Site Name:	SAN FERNANDO VALLEY (AREA 2)
NPL:	F
FF:	N
OU:	3
Action Code:	CO
Action Name:	RI/FS
SEQ:	4
Start Date:	2015-09-09 00:00:00
Finish Date:	Not reported
Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	9
Site ID:	902252
EPA ID:	CAD980894901
Site Name:	SAN FERNANDO VALLEY (AREA 2)
NPL:	F
FF:	N
OU:	2
Action Code:	RO
Action Name:	ROD
SEQ:	3
Start Date:	1993-06-18 00:00:00
Finish Date:	6/18/1993
Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	9
Site ID:	902252
EPA ID:	CAD980894901
Site Name:	SAN FERNANDO VALLEY (AREA 2)
NPL:	F
FF:	N
OU:	3
Action Code:	BF
Action Name:	PRP RA
SEQ:	2
Start Date:	1997-10-17 00:00:00
Finish Date:	9/30/2002
Qual:	IR
Current Action Lead:	EPA Ovrsght
Region:	9
Site ID:	902252
EPA ID:	CAD980894901
Site Name:	SAN FERNANDO VALLEY (AREA 2)
NPL:	F
FF:	N
OU:	2
Action Code:	BE
Action Name:	PRP RD
SEQ:	1

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAN FERNANDO VALLEY (AREA 2) (Continued)

1000710134

Start Date: 1994-05-01 00:00:00
Finish Date: 11/11/1996
Qual: Not reported
Current Action Lead: EPA Ovrsght

Region: 9
Site ID: 902252
EPA ID: CAD980894901
Site Name: SAN FERNANDO VALLEY (AREA 2)
NPL: F
FF: N
OU: 4
Action Code: BD
Action Name: PRP RI/FS
SEQ: 1
Start Date: 2008-04-08 00:00:00
Finish Date: 4/8/2008
Qual: Not reported
Current Action Lead: EPA Ovrsght

Region: 9
Site ID: 902252
EPA ID: CAD980894901
Site Name: SAN FERNANDO VALLEY (AREA 2)
NPL: F
FF: N
OU: 3
Action Code: NK
Action Name: PRP FS
SEQ: 1
Start Date: 2010-08-09 00:00:00
Finish Date: 7/1/2013
Qual: Not reported
Current Action Lead: EPA Ovrsght

Region: 9
Site ID: 902252
EPA ID: CAD980894901
Site Name: SAN FERNANDO VALLEY (AREA 2)
NPL: F
FF: N
OU: 3
Action Code: BF
Action Name: PRP RA
SEQ: 5
Start Date: 2013-08-22 00:00:00
Finish Date: Not reported
Qual: Not reported
Current Action Lead: EPA Ovrsght

Region: 9
Site ID: 902252
EPA ID: CAD980894901
Site Name: SAN FERNANDO VALLEY (AREA 2)
NPL: F
FF: N
OU: 3

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAN FERNANDO VALLEY (AREA 2) (Continued)

1000710134

Action Code: ME
Action Name: PRP LR
SEQ: 1
Start Date: 2002-09-30 00:00:00
Finish Date: 8/22/2013
Qual: Not reported
Current Action Lead: EPA Ovrsght

Region: 9
Site ID: 902252
EPA ID: CAD980894901
Site Name: SAN FERNANDO VALLEY (AREA 2)
NPL: F
FF: N
OU: 4
Action Code: NK
Action Name: PRP FS
SEQ: 2
Start Date: 2016-08-30 00:00:00
Finish Date: Not reported
Qual: Not reported
Current Action Lead: EPA Ovrsght

Region: 9
Site ID: 902252
EPA ID: CAD980894901
Site Name: SAN FERNANDO VALLEY (AREA 2)
NPL: F
FF: N
OU: 3
Action Code: BE
Action Name: PRP RD
SEQ: 2
Start Date: 1994-05-01 00:00:00
Finish Date: 11/11/1996
Qual: Not reported
Current Action Lead: EPA Ovrsght

Region: 9
Site ID: 902252
EPA ID: CAD980894901
Site Name: SAN FERNANDO VALLEY (AREA 2)
NPL: F
FF: N
OU: 1
Action Code: ED
Action Name: R/H ASMT
SEQ: 1
Start Date: 1992-12-15 00:00:00
Finish Date: 12/15/1992
Qual: Not reported
Current Action Lead: St Perf

Region: 9
Site ID: 902252
EPA ID: CAD980894901
Site Name: SAN FERNANDO VALLEY (AREA 2)

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAN FERNANDO VALLEY (AREA 2) (Continued)

1000710134

NPL: F
FF: N
OU: 1
Action Code: CO
Action Name: RI/FS
SEQ: 1
Start Date: 1985-08-16 00:00:00
Finish Date: Not reported
Qual: Not reported
Current Action Lead: St Perf

Region: 9
Site ID: 902252
EPA ID: CAD980894901
Site Name: SAN FERNANDO VALLEY (AREA 2)
NPL: F
FF: N
OU: 2
Action Code: CO
Action Name: RI/FS
SEQ: 2
Start Date: 1989-09-06 00:00:00
Finish Date: 6/18/1993
Qual: Not reported
Current Action Lead: St Perf

Region: 9
Site ID: 902252
EPA ID: CAD980894901
Site Name: SAN FERNANDO VALLEY (AREA 2)
NPL: F
FF: N
OU: 0
Action Code: SI
Action Name: SI
SEQ: 1
Start Date: 1984-04-01 00:00:00
Finish Date: 4/1/1984
Qual: H
Current Action Lead: St Perf

Region: 9
Site ID: 902252
EPA ID: CAD980894901
Site Name: SAN FERNANDO VALLEY (AREA 2)
NPL: F
FF: N
OU: 0
Action Code: HR
Action Name: HAZRANK
SEQ: 1
Start Date: 1984-04-01 00:00:00
Finish Date: 4/1/1984
Qual: Not reported
Current Action Lead: St Perf

Region: 9

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAN FERNANDO VALLEY (AREA 2) (Continued)

1000710134

Site ID: 902252
EPA ID: CAD980894901
Site Name: SAN FERNANDO VALLEY (AREA 2)
NPL: F
FF: N
OU: 0
Action Code: PA
Action Name: PA
SEQ: 1
Start Date: 1984-04-01 00:00:00
Finish Date: 4/1/1984
Qual: H
Current Action Lead: St Perf

Region: 9
Site ID: 902252
EPA ID: CAD980894901
Site Name: SAN FERNANDO VALLEY (AREA 2)
NPL: F
FF: N
OU: 0
Action Code: DS
Action Name: DISCVRY
SEQ: 1
Start Date: 1983-12-01 00:00:00
Finish Date: 12/1/1983
Qual: Not reported
Current Action Lead: St Perf

Region: 9
Site ID: 902252
EPA ID: CAD980894901
Site Name: SAN FERNANDO VALLEY (AREA 2)
NPL: F
FF: N
OU: 3
Action Code: CO
Action Name: RI/FS
SEQ: 3
Start Date: 1989-09-06 00:00:00
Finish Date: 6/18/1993
Qual: Not reported
Current Action Lead: St Perf

Region: 9
Site ID: 902252
EPA ID: CAD980894901
Site Name: SAN FERNANDO VALLEY (AREA 2)
NPL: F
FF: N
OU: 1
Action Code: JF
Action Name: ECO RISK
SEQ: 1
Start Date: 1992-12-15 00:00:00
Finish Date: 12/15/1992
Qual: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAN FERNANDO VALLEY (AREA 2) (Continued)

1000710134

Current Action Lead: St Perf

Region: 9
Site ID: 902252
EPA ID: CAD980894901
Site Name: SAN FERNANDO VALLEY (AREA 2)
NPL: F
FF: N
OU: 3
Action Code: BD
Action Name: PRP RI/FS
SEQ: 2
Start Date: 2014-03-31 00:00:00
Finish Date: Not reported
Qual: Not reported
Current Action Lead: Not reported

US ENG CONTROLS:

EPA ID: CAD980894901
Site ID: 0902252
Name: SAN FERNANDO VALLEY (AREA 2)
Address: CRYSTAL SPRINGS WELLFIELD AREA
GLENDALE, CA 91209

EPA Region: 09
County: LOS ANGELES
Event Code: Not reported
Actual Date: 06/30/1993
Contact Name: Not reported
Contact Phone and Ext: Not reported
Event Code Description: Not reported

Action ID: 002
Action Name: RECORD OF DECISION
Action Completion date: 06/18/1993
Operable Unit: 03
Contaminated Media : Groundwater
Engineering Control: Extraction
Contact Name: Not reported
Contact Phone and Ext: Not reported
Event Code Description: Not reported

Action ID: 002
Action Name: RECORD OF DECISION
Action Completion date: 06/18/1993
Operable Unit: 03
Contaminated Media : Groundwater
Engineering Control: Filtration
Contact Name: Not reported
Contact Phone and Ext: Not reported
Event Code Description: Not reported

Action ID: 002
Action Name: RECORD OF DECISION
Action Completion date: 06/18/1993
Operable Unit: 03
Contaminated Media : Groundwater

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAN FERNANDO VALLEY (AREA 2) (Continued)

1000710134

Engineering Control: Monitoring
Contact Name: Not reported
Contact Phone and Ext: Not reported
Event Code Description: Not reported

Action ID: 002
Action Name: RECORD OF DECISION
Action Completion date: 06/18/1993
Operable Unit: 03
Contaminated Media : Groundwater
Engineering Control: Reuse as Drinking Water
Contact Name: Not reported
Contact Phone and Ext: Not reported
Event Code Description: Not reported

Action ID: 002
Action Name: RECORD OF DECISION
Action Completion date: 06/18/1993
Operable Unit: 03
Contaminated Media : Groundwater
Engineering Control: Treatment, (N.O.S.)
Contact Name: Not reported
Contact Phone and Ext: Not reported
Event Code Description: Not reported

Action ID: 003
Action Name: RECORD OF DECISION
Action Completion date: 06/18/1993
Operable Unit: 02
Contaminated Media : Groundwater
Engineering Control: Air Stripping
Contact Name: Not reported
Contact Phone and Ext: Not reported
Event Code Description: Not reported

Action ID: 003
Action Name: RECORD OF DECISION
Action Completion date: 06/18/1993
Operable Unit: 02
Contaminated Media : Groundwater
Engineering Control: Carbon Adsorption
Contact Name: Not reported
Contact Phone and Ext: Not reported
Event Code Description: Not reported

Action ID: 003
Action Name: RECORD OF DECISION
Action Completion date: 06/18/1993
Operable Unit: 02
Contaminated Media : Groundwater
Engineering Control: Discharge
Contact Name: Not reported
Contact Phone and Ext: Not reported
Event Code Description: Not reported

Action ID: 003
Action Name: RECORD OF DECISION

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAN FERNANDO VALLEY (AREA 2) (Continued)

1000710134

Action Completion date: 06/18/1993
Operable Unit: 02
Contaminated Media : Groundwater
Engineering Control: Extraction
Contact Name: Not reported
Contact Phone and Ext: Not reported
Event Code Description: Not reported

Action ID: 003
Action Name: RECORD OF DECISION
Action Completion date: 06/18/1993
Operable Unit: 02
Contaminated Media : Groundwater
Engineering Control: Filtration
Contact Name: Not reported
Contact Phone and Ext: Not reported
Event Code Description: Not reported

Action ID: 003
Action Name: RECORD OF DECISION
Action Completion date: 06/18/1993
Operable Unit: 02
Contaminated Media : Groundwater
Engineering Control: Liquid Phase Carbon Adsorption
Contact Name: Not reported
Contact Phone and Ext: Not reported
Event Code Description: Not reported

ENVIROSTOR:

Facility ID: 19990012
Status: Active
Status Date: 01/01/1984
Site Code: 300288
Site Type: Federal Superfund
Site Type Detailed: State Response or NPL
Acres: 7229
NPL: YES
Regulatory Agencies: SMBRP, RWQCB 4 - Los Angeles, US EPA
Lead Agency: US EPA
Program Manager: Laura Radke
Supervisor: Sayareh Amirebrahimi
Division Branch: Cleanup Chatsworth
Assembly: 43
Senate: 25
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Responsible Party
Latitude: 34.1575
Longitude: -118.2847
APN: NONE SPECIFIED
Past Use: AEROSPACE MANUFACTURING/MAINTENANCE, MANUFACTURING - INDUSTRIAL
MACHINERY, METAL FINISHING, METAL PLATING - CHROME, METAL PLATING -
OTHER, RESEARCH - AEROSPACE
Potential COC: Tetrachloroethylene (PCE 1,1,1-Trichloroethane (TCA
Trichloroethylene (TCE Chromium III Chromium VI

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAN FERNANDO VALLEY (AREA 2) (Continued)

1000710134

Confirmed COC: Tetrachloroethylene (PCE 1,1,1-Trichloroethane (TCA
Trichloroethylene (TCE Chromium III Chromium VI

Potential Description: AQUI, SOIL

Alias Name: CRYSTAL SPRINGS AREA; GLENDALE OU

Alias Type: Alternate Name

Alias Name: SAN FERNANDO VALLEY GW BASIN AREA 2

Alias Type: Alternate Name

Alias Name: CAD980894901

Alias Type: CERCLIS ID

Alias Name: 110009267970

Alias Type: EPA (FRS #)

Alias Name: P31032

Alias Type: PCode

Alias Name: 300127

Alias Type: Project Code (Site Code)

Alias Name: 300287

Alias Type: Project Code (Site Code)

Alias Name: 300288

Alias Type: Project Code (Site Code)

Alias Name: 19990012

Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE

Completed Sub Area Name: Not reported

Completed Document Type: Consent Order

Completed Date: 03/30/1994

Comments: An Administrative Order on Consent is signed by U.S. EPA and PRPs to conduct the Remedial Design of the groundwater extraction, treatment, disinfection, blending, and distribution facilities necessary to implement the Glendale North and South RODs.

Completed Area Name: PROJECT WIDE

Completed Sub Area Name: Not reported

Completed Document Type: Remedy Constructed: Operating Properly & Successfully

Completed Date: 04/23/2001

Comments: City of Glendale assumes operation of the Glendale Water Treatment Plant.

Completed Area Name: PROJECT WIDE

Completed Sub Area Name: Not reported

Completed Document Type: Design/Implementation Workplan

Completed Date: 11/11/1996

Comments: Not reported

Completed Area Name: PROJECT WIDE

Completed Sub Area Name: Not reported

Completed Document Type: Remedial Action Plan

Completed Date: 06/18/1993

Comments: Not reported

Completed Area Name: PROJECT WIDE

Completed Sub Area Name: Not reported

Completed Document Type: Remedial Investigation / Feasibility Study

Completed Date: 08/30/1992

Comments: Not reported

Completed Area Name: PROJECT WIDE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAN FERNANDO VALLEY (AREA 2) (Continued)

1000710134

Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation / Feasibility Study
Completed Date: 04/30/1992
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation / Feasibility Study
Completed Date: 01/30/1992
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Participation Plan / Community Relations Plan
Completed Date: 04/30/1990
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

Calsite:

Region: GLENDALE
Facility ID: 19990012
Facility Type: NPJF
Type: NPL SITE, JOINT STATE/FEDERAL-FUNDED
Branch: SA
Branch Name: SO CAL - GLENDALE
File Name: Not reported
State Senate District: 01011984
Status: ANNUAL WORKPLAN (AWP) - ACTIVE SITE
Status Name: ANNUAL WORKPLAN - ACTIVE SITE
Lead Agency: ENVIRONMENTAL PROTECTION AGENCY
NPL: Listed
SIC Code: 99
SIC Name: NONCLASSIFIABLE ESTABLISHMENTS
Access: Not reported
Cortese: Not reported
Hazardous Ranking Score: Not reported
Date Site Hazard Ranked: Not reported
Groundwater Contamination: Confirmed
Staff Member Responsible for Site: TYARGEAU
Supervisor Responsible for Site: Not reported
Region Water Control Board: LA
Region Water Control Board Name: LOS ANGELES
Lat/Long Direction: Not reported
Lat/Long (dms): 0 0 0 / 0 0 0
Lat/long Method: Not reported
Lat/Long Description: Not reported
State Assembly District Code: 43
State Senate District Code: 21

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAN FERNANDO VALLEY (AREA 2) (Continued)

1000710134

Facility ID:	19990012
Activity:	PPP
Activity Name:	PUBLIC PARTICIPATION PLAN
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	04301990
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19990012
Activity:	RIFS
Activity Name:	REMEDIAL INVESTIGATION / FEASIBILITY STUDY
AWP Code:	GLNOU
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	01301992
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19990012
Activity:	RIFS
Activity Name:	REMEDIAL INVESTIGATION / FEASIBILITY STUDY
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	04301992
Est Person-Yrs to complete:	0

Map ID
Direction
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Elevation

MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

SAN FERNANDO VALLEY (AREA 2) (Continued)

1000710134

Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19990012
Activity:	RIFS
Activity Name:	REMEDIAL INVESTIGATION / FEASIBILITY STUDY
AWP Code:	SOUTH
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	08301992
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19990012
Activity:	RAP
Activity Name:	REMEDIAL ACTION PLAN / RECORD OF DECISION
AWP Code:	GLNOU
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	06181993
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported

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EPA ID Number

SAN FERNANDO VALLEY (AREA 2) (Continued)

1000710134

Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19990012
Activity:	RAP
Activity Name:	REMEDIAL ACTION PLAN / RECORD OF DECISION
AWP Code:	GLSOU
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	06181993
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19990012
Activity:	ORDER
Activity Name:	I/SE, IORSE, FFA, FFSRA, VCA, EA
AWP Code:	AOC
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	03301994
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19990012
Activity:	DES
Activity Name:	DESIGN

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SAN FERNANDO VALLEY (AREA 2) (Continued)

1000710134

AWP Code:	GLOU
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	11111996
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19990012
Activity:	RMDL
Activity Name:	REMEDIAL ACTION (RAP REQUIRED)
AWP Code:	GLOU
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	04232001
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	N
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19990012
Activity:	OM
Activity Name:	OPERATION & MAINTENANCE
AWP Code:	GLOU
Proposed Budget:	0
AWP Completion Date:	09302020
Revised Due Date:	Not reported
Comments Date:	Not reported
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP

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EPA ID Number

SAN FERNANDO VALLEY (AREA 2) (Continued)

1000710134

Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals): 0
Liquids Treated (Gals): 0
Action Included Capping: Not reported
Well Decommissioned: Not reported
Action Included Fencing: Not reported
Removal Action Certification: Not reported
Activity Comments: Not reported
For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Alternate Address: CRYSTAL SPRINGS AREA
Alternate City,St,Zip: BURBANK, CA 91504
Alternate Address: CITIES INCLUDE GLENDALE AND LOS ANGELES
Alternate City,St,Zip: Not reported
Alternate Address: CRYSTAL SPRINGS WELLFIELD AREA
Alternate City,St,Zip: GLENDALE, CA 91209
Alternate Address: GLENDALE
Alternate City,St,Zip: GLENDALE, CA 91201
Background Info: essentially been put out of commission.
Exposure of receptors to contaminants can possibly occur through ingestion of contaminated drinking water, inhalation of vapors released from the contaminated water as in taking showers, and dermal exposure as in washing or bathing. However, with the strict regulatory control over water quality by the State's Department of Health, Office of Drinking Water (ODW), the RWQCB, and other agencies, residents are assured that the water they consume is safe and that no one is drinking water which contains concentrations of contaminants above regulatory standards. Federal, state, and local agencies have been conducting investigations and cleanup of contaminated groundwater in the SFVGWB since contamination was discovered in 1979. These activities involve measuring the extent of contamination, developing and implementing cleanup remedies, and identifying responsible parties. EPA provided oversight of the basinwide Remedial Investigation (RI) of groundwater contamination conducted by the Los Angeles Department of Water and Power (LADWP) The RI objectives were to collect lithological and water quality data and information regarding basin operations for the eastern SF and Verdugo basins; develop a regional characterization of geology, hydrology, hydrogeology and the nature and extent of groundwater contamination within the eastern & Verdugo basins; study fate and transport of compounds in the environment; identify Applicable or Relevant and Appropriate Requirements (ARAR's); and evaluate the potential risk to human health and the environment.
The Remedial Investigation of the SFVGWB was divided into two phases:
Phase I activities have included vertical profile borings and installation of monitoring wells to obtain preliminary contamination information. Monitoring wells have been installed as follows: 34 in North Hollywood (Area #1); 29 in Crystal Springs (Area #2); 7 in Verdugo (Area #3); and 17 in Pollock (Area #4).
Information obtained from Phase I investigation activities identified the need for several operable units. Operable Unit is

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SAN FERNANDO VALLEY (AREA 2) (Continued)

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a federal term which is similar to the State's definition of a removal action.

Phase II activities consist of basinwide remedial investigation conducted by the LADWP.

Remedial Actions (RAs):

North Hollywood (Area #1) -- Two RAs were identified for Area #1, the North Hollywood OU and the Burbank OU.

A Record of Decision (ROD) for the North Hollywood RA was signed in September 1987, selecting groundwater extraction and treatment (air stripping) of 2,000 gallons per minute (gpm) of contaminated water as an interim remedy. This RA was constructed with funding from EPA and the State and has been treating contaminated groundwater since March 1989. This facility is located at 11845 Vose Street in the N. Hollywood section of Los Angeles.

A ROD for the Burbank OU was signed in June 1989, again selecting groundwater extraction and treatment of about 12,000 gpm of contaminated water. Phase I of the Burbank OU began operations in January 1996 treating groundwater at a rate of 6,000 gpm. Phase II began operations in May 1998 adding an additional 3,000 gpm to the Burbank OU's treatment capacity.

Crystal Springs (Area #2) -- LADWP has completed a focused RI/FS for this proposed RA. The Glendale OU was separated into a North OU and a South OU based on the amount of contamination and the facilities contributing to the GW contamination. A ROD for each OU was signed on June 18, 1993 designating groundwater extraction and treatment as the interim remedy. The PRPs formed a group and combined the RA efforts for each OU into one document. The selected alternative is GW extraction and treatment. The Glendale OU began operations in September 2000.

Verdugo and Pollock (Areas #3 and #4) --

Currently no RAs have been identified for Area #3 or for Area #4. In October 2003, US EPA proposed No Remedial Action Verdugo Basin (Area #3).

Another contaminant of concern, hexavalent chromium, has been identified in the San Fernando Valley Groundwater Basin. EPA and the RWQCB are currently identifying potential sources of contamination and pursuing PRPs that may be responsible for contaminating groundwater. As these PRPs are identified, individual site investigations and mitigation activities will be pursued. Enforceable agreements and orders will be implemented at numerous specific potential source sites within the Basin by RWQCB and DTSC.

The San Fernando Valley Ground Water Basin (SFVGWB) is located within the Upper Los Angeles River Area and consists of the eastern portion of the San Fernando Valley and the entire Verdugo Basin. The SFVGWB encompasses approximately 112,000 acres of alluvial valley fill deposits and provides enough water to serve approximately 600,000 residents. The Basin is bounded on the north and the northwest by the Santa Susana Mountains, on the northeast by the San Gabriel Mountains, on the west by the Simi Hills and on the south by the Santa Monica Mountains.

The San Fernando Valley Study area includes four National Priorities List (NPL) sites. They are:

Area #1 - North Hollywood NPL site covers 9336 acres in the

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SAN FERNANDO VALLEY (AREA 2) (Continued)

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eastern part of the San Fernando Valley. The site has been divided into the North Hollywood Operable Unit (OU) and the Burbank OU.

Area #2 - Crystal Springs NPL Site covers 3975 acres south-east of the North Hollywood NPL site and is located in the cities of Glendale and Los Angeles.

Area #3 - Verdugo NPL Site covers 2673 acres in the eastern part of the San Fernando Valley and is located in and adjacent to La Crescenta in the Verdugo Mountains.

Area #4 - Pollock NPL Site covers 1653 acres in the southeastern part of the San Fernando Valley and is located in and adjacent to the cities of Los Angeles and Glendale.

Groundwater contamination in the SFVGWB is linked to prewar, postwar, and current industrialization in the San Fernando Valley.

The primary contaminants of concern are volatile organic compounds (VOCs), trichloroethylene (TCE), and tetrachloroethylene (PCE), which have been and/or are being used in many San Fernando Valley industries, such as aeronautical, automotive, dry cleaning, and metal plating. These solvents have found their way to the groundwater basin as a result of both past and improper use, storage, and disposal practices. The SFVGWB Superfund sites, added to the NPL in 1986, are areas where groundwater from wells have been found to contain VOCs above the state and federal drinking water standards. Groundwater contamination at numerous wells have been so severe with TCE and PCE that these wells have

Comments Date:

03301994

Comments:

An Administrative Order on Consent is signed by U.S. EPA and PRPs

Comments Date:

03301994

Comments:

to conduct the Remedial Design of the groundwater extraction,

Comments Date:

01011984

Comments:

Groundwater contaminated with TCE and PCE. The site covers 7229

Comments Date:

01011984

Comments:

acres in the Crystal Springs area.

Comments Date:

01022001

Comments:

City of Glendale notifies US EPA that they will not accept the

Comments Date:

01022001

Comments:

treated water from the Glendale Water Treatment Plant. They are

Comments Date:

01022001

Comments:

requesting additional time to evaluate treatment options for

Comments Date:

01022001

Comments:

hexavalent chromium. In addition, the City will submit a

Comments Date:

01022001

Comments:

proposal to US EPA discussing the options available.

Comments Date:

03292001

Comments:

City of Glendale submits proposal for operation of the Glendale

Comments Date:

03292001

Comments:

Water Treatment Plant. Under the City's proposal, the two

Comments Date:

03292001

Comments:

chromium-impacted wells will run at a reduced rate. The treated

Comments Date:

03292001

Comments:

water will still contain detectable amounts of hexavalent

Comments Date:

03292001

Comments:

chromium and will continue to be discharged into the Los Angeles

Comments Date:

03292001

Comments:

River. The City of Glendale is still pursuing treatment options

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SAN FERNANDO VALLEY (AREA 2) (Continued)

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Comments Date: 03292001
Comments: to treat the water down to non-detect levels of hexavalent
Comments Date: 03292001
Comments: chromium.
Comments Date: 03301994
Comments: treatment, disinfection, blending, and distribution facilities
Comments Date: 03301994
Comments: necessary to implement the Glendale North and South RODs.
Comments Date: 04022001
Comments: US EPA accepts the City of Glendale's proposal to operate the
Comments Date: 04022001
Comments: treatment plant.
Comments Date: 04041997
Comments: The Final Remedial Design consists of a proposed Water Treatment
Comments Date: 04041997
Comments: Plant (WTP) located in the North OU that is designed to treat
Comments Date: 04041997
Comments: VOCs (primarily TCE and PCE). The groundwater will be pumped at
Comments Date: 04041997
Comments: a combined extraction flow rate of 5,000 gpm from 7 shallow
Comments Date: 04041997
Comments: wells and one deep well located in both the Glendale North and
Comments Date: 04041997
Comments: South OUs.
Comments Date: 04041997
Comments: Not reported
Comments Date: 04041997
Comments: At the proposed WTP, the affected groundwater will be pumped
Comments Date: 04041997
Comments: directly into two single-stage Packed Tower Aerators (PTAs)
Comments Date: 04041997
Comments: that are followed by liquid phase granular activated carbon
Comments Date: 04041997
Comments: (LPGAC) vessels, then disinfected. The water will then be
Comments Date: 04041997
Comments: ammoniated, mixed with low nitrate MWD blending water and
Comments Date: 04041997
Comments: discharged into the City or Glendale's potable water system.
Comments Date: 04041997
Comments: The off gasses from the PTAs will be treated through a vapor
Comments Date: 04041997
Comments: phase GAC system.
Comments Date: 04201995
Comments: The PRP group is preparing remedial design documents for review
Comments Date: 04201995
Comments: by the agencies. Glendale North OU and Glendale South OU PRPs
Comments Date: 04201995
Comments: submitting one document for the design of the remedy for both OUs
Comments Date: 04232001
Comments: City of Glendale assumes operation of the Glendale Water
Comments Date: 04232001
Comments: Treatment Plant.
Comments Date: 08032000
Comments: City of Glendale receives the 97-005 permit from Department of
Comments Date: 08032000
Comments: Health Services.
Comments Date: 09202001

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SAN FERNANDO VALLEY (AREA 2) (Continued)

1000710134

Comments: The treatment plant continues to operate with the City of
Comments Date: 09202001
Comments: Glendale taking all of the treated water.
Comments Date: 09252000
Comments: City of Glendale is scheduled to receive treated water from the
Comments Date: 09252000
Comments: Glendale Water Treatment Plant. The City notifies the US EPA
Comments Date: 09252000
Comments: that it will not accept the treated water due to the levels of
Comments Date: 09252000
Comments: hexavalent chromium present in the treated water. The City also
Comments Date: 09252000
Comments: requests for a 90-day extension from US EPA to accept the treated
Comments Date: 09252000
Comments: water.
Comments Date: 09272000
Comments: City of Glendale meets with US EPA to discuss their requests for
Comments Date: 09272000
Comments: delay and outlines what they intend on accomplishing during the
Comments Date: 09272000
Comments: 90-day extension. Their primary objective is to determine a
Comments Date: 09272000
Comments: treatment option to treat hexavalent chromium down to non-detect
Comments Date: 09272000
Comments: levels.
Comments Date: 10122000
Comments: US EPA grants extension to City of Glendale until 1/2/2001.
Comments Date: 10122000
Comments: During this time the Glendale Water Treatment Plant will operate
Comments Date: 10122000
Comments: with the treated water being discharged directly into the
Comments Date: 10122000
Comments: Los Angeles River.
Comments Date: 10191999
Comments: Construction completed for both Glendale North and South Operable
Comments Date: 10191999
Comments: Units. The City is working on obtaining a permit from the
Comments Date: 10191999
Comments: Department of Health Services to operate the treatment facilities
ID Name: BEP DATABASE PCODE
ID Value: P31032
ID Name: CALSTARS CODE
ID Value: 300127
Alternate Name: SAN FERNANDO VALLEY GW BASIN AREA 2
Alternate Name: CRYSTAL SPRINGS AREA; GLENDALE OU
Alternate Name: SAN FERNANDO VALLEY (AREA 2)
Alternate Name: Not reported
Special Programs Code: MSCA
Special Programs Name: MULTI-SITE COOPERATIVE AGREEMENT

ROD:

Full-text of USEPA Record of Decision(s) is available from EDR.

PRP:

PRP name: A.G. LAYNE, INC.
A.G. LAYNE, INC.

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SAN FERNANDO VALLEY (AREA 2) (Continued)

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ACCESS CONTROLS, INC
ACCESS CONTROLS, INC
ACCESS CONTROLS, INC.
ACCESS CONTROLS, INC.
ACCESS CONTROLS, INC.
ACCESS CONTROLS, INC.
ACME AEROSPACE, INC.
ADMIRAL CONTROLS, INC.
ADMIRAL CONTROLS, INC.
ADMIRAL CONTROLS, INC.
ADMIRAL CONTROLS, INC.
ALFONSO A. DARGENZIO TRUST
ALL METALS PROCESSING COMPANY
AMERICAN METASEAL COMPANY
AMERICAN METASEAL COMPANY
ARNOLD AND MARGARET PETERSON TRUST
AUTOMATION PLATING CORPORATION
AVANESSIANS, ARTIK
AVANESSIANS, ARTIK
AVIBANK MANUFACTURING
AVIBANK MANUFACTURING
BENCO ENTERPRISES, INC.
BENCO ENTERPRISES, INC.
BROCK BUS LINES
BROCK BUS LINES
BROCK BUS LINES
BURBANK STEEL TREATING, INC.
BURBANK STEEL TREATING, INC.
BURBANK STEEL TREATING, INC.
BURBANK STEEL TREATING, INC.
BURMAN TECHNICAL SERVICES, INC.
CARL M. BUCK BUILDING CO.
CHARLES C. LITCHFIELD
CHARLES C. LITCHFIELD
COLTEC INDUSTRIES, INC.
COLTEC INDUSTRIES, INC.
COMET PLATING CO., INC.
COMMERCIAL INSPECTION SERVICES
COMMERCIAL INSPECTION SERVICES
COURTAULDS AEROSPACE, INC.
COURTAULDS AEROSPACE, INC.
COURTAULDS AEROSPACE, INC.
CREDIT MANAGERS ASSOCIATION OF CALIFORNIA
DATRON INC.
DATRON INC.
DATRON INC.
DATRON, INC.
DAVID J. HIGGINS, TRUSTEE
DAVID J. HIGGINS, TRUSTEE
DOROTHY A. KAHL & WILLIAM C. KAHL
DRILUBE COMPANY
DRILUBE COMPANY
EDWARD FURER TRUST
ESTATE OF HELEN L. POWERS
EXCELLO PLATING
EXCELLO PLATING
FIBER-RESIN CORP.

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SAN FERNANDO VALLEY (AREA 2) (Continued)

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FIBER-RESIN CORPORATION

[Click this hyperlink](#) while viewing on your computer to access
94 additional PRP: record(s) in the EDR Site Report.

ICIS:

Enforcement Action ID:	09-2016-2509
FRS ID:	110009267970
Action Name:	AOC FOR PERFORMANCE OF A SFV AREA 2 GLENDALE CHROMIUM FS
Facility Name:	SAN FERNANDO VALLEY (AREA 2)
Facility Address:	CRYSTAL SPRINGS WELLFIELD AREA GLENDALE, CA 91209
Enforcement Action Type:	CERCLA 122h Agrmt For Cost Recovery
Facility County:	LOS ANGELES
Program System Acronym:	SEMS
Enforcement Action Forum Desc:	Administrative - Formal
EA Type Code:	122H
Facility SIC Code:	Not reported
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	34.16313
Longitude in Decimal Degrees:	-118.286
Permit Type Desc:	Not reported
Program System Acronym:	CAD980894901
Facility NAICS Code:	Not reported
Tribal Land Code:	Not reported
Enforcement Action ID:	09-2016-2509
FRS ID:	110009267970
Action Name:	AOC FOR PERFORMANCE OF A SFV AREA 2 GLENDALE CHROMIUM FS
Facility Name:	SAN FERNANDO VALLEY (AREA 2)
Facility Address:	CRYSTAL SPRINGS WELLFIELD AREA GLENDALE, CA 91209
Enforcement Action Type:	CERCLA 122h Agrmt For Cost Recovery
Facility County:	LOS ANGELES
Program System Acronym:	CERCLIS
Enforcement Action Forum Desc:	Administrative - Formal
EA Type Code:	122H
Facility SIC Code:	Not reported
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	34.16313
Longitude in Decimal Degrees:	-118.286
Permit Type Desc:	Not reported
Program System Acronym:	CAD980894901
Facility NAICS Code:	Not reported
Tribal Land Code:	Not reported
Enforcement Action ID:	09-2016-2509
FRS ID:	110009267970
Action Name:	AOC FOR PERFORMANCE OF A SFV AREA 2 GLENDALE CHROMIUM FS
Facility Name:	SAN FERNANDO VALLEY (AREA 2)
Facility Address:	CRYSTAL SPRINGS WELLFIELD AREA GLENDALE, CA 91209
Enforcement Action Type:	CERCLA 122A/104A Agrmt For RI/FS
Facility County:	LOS ANGELES
Program System Acronym:	SEMS
Enforcement Action Forum Desc:	Administrative - Formal
EA Type Code:	122/104

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SAN FERNANDO VALLEY (AREA 2) (Continued)

1000710134

Facility SIC Code: Not reported
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 34.16313
Longitude in Decimal Degrees: -118.286
Permit Type Desc: Not reported
Program System Acronym: CAD980894901
Facility NAICS Code: Not reported
Tribal Land Code: Not reported

Enforcement Action ID: 09-2016-2509
FRS ID: 110009267970
Action Name: AOC FOR PERFORMANCE OF A SFV AREA 2 GLENDALE CHROMIUM FS
Facility Name: SAN FERNANDO VALLEY (AREA 2)
Facility Address: CRYSTAL SPRINGS WELLFIELD AREA
GLENDALE, CA 91209

Enforcement Action Type: CERCLA 122A/104A Agrmt For RI/FS
Facility County: LOS ANGELES
Program System Acronym: CERCLIS
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: 122/104
Facility SIC Code: Not reported
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 34.16313
Longitude in Decimal Degrees: -118.286
Permit Type Desc: Not reported
Program System Acronym: CAD980894901
Facility NAICS Code: Not reported
Tribal Land Code: Not reported

Enforcement Action ID: 09-2013-2516
FRS ID: 110009267970
Action Name: Settlement Agreement and Order on Consent for Removal Action by BFPP
Facility Name: SAN FERNANDO VALLEY (AREA 2)
Facility Address: CRYSTAL SPRINGS WELLFIELD AREA
GLENDALE, CA 91209

Enforcement Action Type: CERCLA 106 AO For Resp Action/Imm Haz
Facility County: LOS ANGELES
Program System Acronym: CERCLIS
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: 106
Facility SIC Code: Not reported
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 34.16313
Longitude in Decimal Degrees: -118.286
Permit Type Desc: Not reported
Program System Acronym: CAD980894901
Facility NAICS Code: Not reported
Tribal Land Code: Not reported

Enforcement Action ID: 09-2012-2505
FRS ID: 110009267970
Action Name: Spirito Family Trust AO for Cost Recovery, Glendale OU
Facility Name: SAN FERNANDO VALLEY (AREA 2)
Facility Address: CRYSTAL SPRINGS WELLFIELD AREA
GLENDALE, CA 91209

Enforcement Action Type: CERCLA 122h Agrmt For Cost Recovery
Facility County: LOS ANGELES

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAN FERNANDO VALLEY (AREA 2) (Continued)

1000710134

Program System Acronym: CERCLIS
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: 122H
Facility SIC Code: Not reported
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 34.16313
Longitude in Decimal Degrees: -118.286
Permit Type Desc: Not reported
Program System Acronym: CAD980894901
Facility NAICS Code: Not reported
Tribal Land Code: Not reported

Enforcement Action ID: 09-2012-2504
FRS ID: 110009267970
Action Name: Ralphs Grocery Prospective Purchaser Agreement
Facility Name: SAN FERNANDO VALLEY (AREA 2)
Facility Address: CRYSTAL SPRINGS WELLFIELD AREA
GLENDALE, CA 91209

Enforcement Action Type: CERCLA 122G1B Agrmt For Innocent Landowner
Facility County: LOS ANGELES
Program System Acronym: CERCLIS
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: 122G1B
Facility SIC Code: Not reported
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 34.16313
Longitude in Decimal Degrees: -118.286
Permit Type Desc: Not reported
Program System Acronym: CAD980894901
Facility NAICS Code: Not reported
Tribal Land Code: Not reported

Enforcement Action ID: 09-2011-2508
FRS ID: 110009267970
Action Name: SFV (Area 2) Superfund Site, Glendale Chromium OU Specified Work and Costs AOC

Facility Name: SAN FERNANDO VALLEY (AREA 2)
Facility Address: CRYSTAL SPRINGS WELLFIELD AREA
GLENDALE, CA 91209

Enforcement Action Type: CERCLA 122A/104A Agrmt For RI/FS
Facility County: LOS ANGELES
Program System Acronym: CERCLIS
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: 122/104
Facility SIC Code: Not reported
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 34.16313
Longitude in Decimal Degrees: -118.286
Permit Type Desc: Not reported
Program System Acronym: CAD980894901
Facility NAICS Code: Not reported
Tribal Land Code: Not reported

Enforcement Action ID: 09-2010-2519
FRS ID: 110009267970
Action Name: Lyondell Bankruptcy (NC)
Facility Name: SAN FERNANDO VALLEY (AREA 2)

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAN FERNANDO VALLEY (AREA 2) (Continued)

1000710134

Facility Address: CRYSTAL SPRINGS WELLFIELD AREA
GLENDALE, CA 91209

Enforcement Action Type: Bankruptcy
Facility County: LOS ANGELES
Program System Acronym: CERCLIS
Enforcement Action Forum Desc: Judicial
EA Type Code: BNK
Facility SIC Code: Not reported
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 34.16313
Longitude in Decimal Degrees: -118.286
Permit Type Desc: Not reported
Program System Acronym: CAD980894901
Facility NAICS Code: Not reported
Tribal Land Code: Not reported

Enforcement Action ID: 09-2009-2521
FRS ID: 110009267970
Action Name: US vs. 718 West Wilson Avenue and Hovsep Boghossian
Facility Name: SAN FERNANDO VALLEY (AREA 2)
Facility Address: CRYSTAL SPRINGS WELLFIELD AREA
GLENDALE, CA 91209

Enforcement Action Type: Civil Judicial Action
Facility County: LOS ANGELES
Program System Acronym: CERCLIS
Enforcement Action Forum Desc: Judicial
EA Type Code: CIV
Facility SIC Code: Not reported
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 34.16313
Longitude in Decimal Degrees: -118.286
Permit Type Desc: Not reported
Program System Acronym: CAD980894901
Facility NAICS Code: Not reported
Tribal Land Code: Not reported

Enforcement Action ID: 09-2008-2522
FRS ID: 110009267970
Action Name: Glendale OU Admin Order for RI / Avanesians
Facility Name: SAN FERNANDO VALLEY (AREA 2)
Facility Address: CRYSTAL SPRINGS WELLFIELD AREA
GLENDALE, CA 91209

Enforcement Action Type: CERCLA 106 AO For Resp Action/Imm Haz
Facility County: LOS ANGELES
Program System Acronym: CERCLIS
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: 106
Facility SIC Code: Not reported
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 34.16313
Longitude in Decimal Degrees: -118.286
Permit Type Desc: Not reported
Program System Acronym: CAD980894901
Facility NAICS Code: Not reported
Tribal Land Code: Not reported

Enforcement Action ID: 09-2008-2512

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAN FERNANDO VALLEY (AREA 2) (Continued)

1000710134

FRS ID: 110009267970
Action Name: Glendale OU 04 Librascope Metals Investigation
Facility Name: SAN FERNANDO VALLEY (AREA 2)
Facility Address: CRYSTAL SPRINGS WELLFIELD AREA
GLENDALE, CA 91209
Enforcement Action Type: CERCLA 122h Agrmt For Cost Recovery
Facility County: LOS ANGELES
Program System Acronym: CERCLIS
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: 122H
Facility SIC Code: Not reported
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 34.16313
Longitude in Decimal Degrees: -118.286
Permit Type Desc: Not reported
Program System Acronym: CAD980894901
Facility NAICS Code: Not reported
Tribal Land Code: Not reported

Enforcement Action ID: 09-2008-2512
FRS ID: 110009267970
Action Name: Glendale OU 04 Librascope Metals Investigation
Facility Name: SAN FERNANDO VALLEY (AREA 2)
Facility Address: CRYSTAL SPRINGS WELLFIELD AREA
GLENDALE, CA 91209
Enforcement Action Type: CERCLA 106 AO For Resp Action/Imm Haz
Facility County: LOS ANGELES
Program System Acronym: CERCLIS
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: 106
Facility SIC Code: Not reported
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 34.16313
Longitude in Decimal Degrees: -118.286
Permit Type Desc: Not reported
Program System Acronym: CAD980894901
Facility NAICS Code: Not reported
Tribal Land Code: Not reported

Enforcement Action ID: 09-2008-2512
FRS ID: 110009267970
Action Name: Glendale OU 04 Librascope Metals Investigation
Facility Name: SAN FERNANDO VALLEY (AREA 2)
Facility Address: CRYSTAL SPRINGS WELLFIELD AREA
GLENDALE, CA 91209
Enforcement Action Type: CERCLA 104E5A AO For Access And/Or Info
Facility County: LOS ANGELES
Program System Acronym: CERCLIS
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: 104E5A
Facility SIC Code: Not reported
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 34.16313
Longitude in Decimal Degrees: -118.286
Permit Type Desc: Not reported
Program System Acronym: CAD980894901
Facility NAICS Code: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAN FERNANDO VALLEY (AREA 2) (Continued)

1000710134

Tribal Land Code: Not reported

Enforcement Action ID: 09-2008-2510
FRS ID: 110009267970
Action Name: San Fernando Area 2 UAO for OU 04 RI/FS
Facility Name: SAN FERNANDO VALLEY (AREA 2)
Facility Address: CRYSTAL SPRINGS WELLFIELD AREA
GLENDALE, CA 91209

Enforcement Action Type: CERCLA 106 AO For Resp Action/Imm Haz
Facility County: LOS ANGELES
Program System Acronym: CERCLIS
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: 106
Facility SIC Code: Not reported
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 34.16313
Longitude in Decimal Degrees: -118.286
Permit Type Desc: Not reported
Program System Acronym: CAD980894901
Facility NAICS Code: Not reported
Tribal Land Code: Not reported

Enforcement Action ID: 09-1997-0015
FRS ID: 110009267970
Action Name: SAN FERNANDO GLENDALE (NORTH AND SOUTH)
Facility Name: SAN FERNANDO VALLEY (AREA 2)
Facility Address: CRYSTAL SPRINGS WELLFIELD AREA
GLENDALE, CA 91209

Enforcement Action Type: Civil Judicial Action
Facility County: LOS ANGELES
Program System Acronym: CERCLIS
Enforcement Action Forum Desc: Judicial
EA Type Code: CIV
Facility SIC Code: Not reported
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 34.16313
Longitude in Decimal Degrees: -118.286
Permit Type Desc: Not reported
Program System Acronym: CAD980894901
Facility NAICS Code: Not reported
Tribal Land Code: Not reported

Facility Name: SAN FERNANDO VALLEY (AREA 2)
Address: CRYSTAL SPRINGS WELLFIELD AREA
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: SAN FERNANDO VALLEY (AREA 2)
Address: CRYSTAL SPRINGS WELLFIELD AREA
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAN FERNANDO VALLEY (AREA 2) (Continued)

1000710134

Facility Name: SAN FERNANDO VALLEY (AREA 2)
Address: CRYSTAL SPRINGS WELLFIELD AREA
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: SAN FERNANDO VALLEY (AREA 2)
Address: CRYSTAL SPRINGS WELLFIELD AREA
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: SAN FERNANDO VALLEY (AREA 2)
Address: CRYSTAL SPRINGS WELLFIELD AREA
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: SAN FERNANDO VALLEY (AREA 2)
Address: CRYSTAL SPRINGS WELLFIELD AREA
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: SAN FERNANDO VALLEY (AREA 2)
Address: CRYSTAL SPRINGS WELLFIELD AREA
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: SAN FERNANDO VALLEY (AREA 2)
Address: CRYSTAL SPRINGS WELLFIELD AREA
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: SAN FERNANDO VALLEY (AREA 2)
Address: CRYSTAL SPRINGS WELLFIELD AREA
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: SAN FERNANDO VALLEY (AREA 2)
Address: CRYSTAL SPRINGS WELLFIELD AREA
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: SAN FERNANDO VALLEY (AREA 2)

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAN FERNANDO VALLEY (AREA 2) (Continued)

1000710134

Address: CRYSTAL SPRINGS WELLFIELD AREA
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: SAN FERNANDO VALLEY (AREA 2)
Address: CRYSTAL SPRINGS WELLFIELD AREA
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: SAN FERNANDO VALLEY (AREA 2)
Address: CRYSTAL SPRINGS WELLFIELD AREA
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: SAN FERNANDO VALLEY (AREA 2)
Address: CRYSTAL SPRINGS WELLFIELD AREA
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: SAN FERNANDO VALLEY (AREA 2)
Address: CRYSTAL SPRINGS WELLFIELD AREA
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: SAN FERNANDO VALLEY (AREA 2)
Address: CRYSTAL SPRINGS WELLFIELD AREA
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: SAN FERNANDO VALLEY (AREA 2)
Address: CRYSTAL SPRINGS WELLFIELD AREA
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: SAN FERNANDO VALLEY (AREA 2)
Address: CRYSTAL SPRINGS WELLFIELD AREA
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: SAN FERNANDO VALLEY (AREA 2)
Address: CRYSTAL SPRINGS WELLFIELD AREA

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAN FERNANDO VALLEY (AREA 2) (Continued)

1000710134

Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: SAN FERNANDO VALLEY (AREA 2)
Address: CRYSTAL SPRINGS WELLFIELD AREA
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: SAN FERNANDO VALLEY (AREA 2)
Address: CRYSTAL SPRINGS WELLFIELD AREA
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: SAN FERNANDO VALLEY (AREA 2)
Address: CRYSTAL SPRINGS WELLFIELD AREA
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: SAN FERNANDO VALLEY (AREA 2)
Address: CRYSTAL SPRINGS WELLFIELD AREA
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: SAN FERNANDO VALLEY (AREA 2)
Address: CRYSTAL SPRINGS WELLFIELD AREA
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: SAN FERNANDO VALLEY (AREA 2)
Address: CRYSTAL SPRINGS WELLFIELD AREA
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: SAN FERNANDO VALLEY (AREA 2)
Address: CRYSTAL SPRINGS WELLFIELD AREA
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: SAN FERNANDO VALLEY (AREA 2)
Address: CRYSTAL SPRINGS WELLFIELD AREA
Tribal Indicator: N

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAN FERNANDO VALLEY (AREA 2) (Continued)

1000710134

Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: SAN FERNANDO VALLEY (AREA 2)
Address: CRYSTAL SPRINGS WELLFIELD AREA
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: SAN FERNANDO VALLEY (AREA 2)
Address: CRYSTAL SPRINGS WELLFIELD AREA
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: SAN FERNANDO VALLEY (AREA 2)
Address: CRYSTAL SPRINGS WELLFIELD AREA
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

FINDS:

Registry ID: 110009267970

Environmental Interest/Information System

California Department of Toxic Substances Control EnviroStor System (DTSC-EnviroStor) is an online search and Geographic Information System (GIS) tool for identifying sites that have known contamination or sites for which there may be reasons to investigate further. The EnviroStor database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites.

SUPERFUND NPL

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1000710134
Registry ID: 110009267970
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110009267970>

CORTESE:

Region: CORTESE
Envirostor Id: 19990012
Site/Facility Type: FEDERAL SUPERFUND - LISTED
Cleanup Status: ACTIVE
Status Date: 01/01/1984

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAN FERNANDO VALLEY (AREA 2) (Continued)

1000710134

Site Code: 300127, 300287, 300288
Latitude: 34.1575
Longitude: -118.28472
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: envirostor
Order No: Not reported
Waste Discharge System No: Not reported
Effective Date: Not reported
Region 2: Not reported
WID Id: Not reported
Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported
File Name: Haz Waste & Substances Sites

**NPL
Region
WNW
< 1/8
368 ft.**

**SAN FERNANDO VALLEY (AREA 1)
NORTH HOLLYWOOD WELLFIELD AREA
NORTH HOLLYWOOD, CA 91601**

**NPL 1000709322
SEMS CAD980894893
US ENG CONTROLS
US INST CONTROL
ENVIROSTOR
HIST Cal-Sites
ROD
PRP
CONSENT
FINDS
ECHO
Cortese**

NPL:

EPA ID: CAD980894893
Cerclis ID: 902251
EPA Region: 9
Federal: N
Final Date: 1986-06-10 00:00:00
Site Score: 42.240000000000002
Latitude: 34.189999999999998
Longitude: -118.3514

Category Details:

NPL Status: Currently on the Final NPL
Category Description: Depth To Aquifer-<= 10 Feet
Category Value: 1

NPL Status: Currently on the Final NPL
Category Description: Distance To Nearest Population-> 0 And <= 1/4 Mile
Category Value: 10

Site Details:

Site Name: SAN FERNANDO VALLEY (AREA 1)
Site Status: Final
Site Zip: 91601
Site City: NORTH HOLLYWOOD
Site State: CA
Federal Site: No
Site County: LOS ANGELES
EPA Region: 09

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAN FERNANDO VALLEY (AREA 1) (Continued)

1000709322

Date Proposed: 10/15/84
Date Deleted: Not reported
Date Finalized: 06/10/86

Substance Details:

NPL Status: Currently on the Final NPL
Substance ID: Not reported
Substance: Not reported
CAS #: Not reported
Pathway: Not reported
Scoring: Not reported

NPL Status: Currently on the Final NPL
Substance ID: U044
Substance: CHLOROFORM
CAS #: 67-66-3
Pathway: GROUND WATER PATHWAY
Scoring: 4

NPL Status: Currently on the Final NPL
Substance ID: U210
Substance: TETRACHLOROETHENE
CAS #: 127-18-4
Pathway: GROUND WATER PATHWAY
Scoring: 2

NPL Status: Currently on the Final NPL
Substance ID: U211
Substance: CARBON TETRACHLORIDE
CAS #: 56-23-5
Pathway: GROUND WATER PATHWAY
Scoring: 4

NPL Status: Currently on the Final NPL
Substance ID: U228
Substance: TRICHLOROETHYLENE (TCE)
CAS #: 79-01-6
Pathway: GROUND WATER PATHWAY
Scoring: 2

Summary Details:

Conditions at proposal October 15, 1984): San Fernando Valley Area I) is an area of contaminated ground water in the vicinity of the North Hollywood section of the City of Los Angeles, Los Angeles County, California. This area is part of the San Fernando Valley Basin, a natural underground reservoir that represents an important source of drinking water for at least 3 million people in the Los Angeles metropolitan area. The contaminated ground water, which underlies an area of approximately 5,156 acres, contains trichloroethylene (TCE) and perchloroethylene (PCE), and to a lesser extent, carbon tetrachloride and chloroform, according to analyses conducted by the California Department of Health Services, as well as numerous local government agencies. The State's recommended drinking water guideline for TCE and PCE (5 and 4 parts per billion respectively) are exceeded in a number of public wells in this area. To alleviate this contamination, wells are either taken out of service or blended with water from clean sources to ensure that the public receives water with TCE/PCE concentrations below the State's

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAN FERNANDO VALLEY (AREA 1) (Continued)

1000709322

guidelines. Status June 10, 1986): EPA and the Los Angeles Department of Water and Power are entering into a cooperative agreement for a remedial investigation of the San Fernando Valley Basin and a feasibility study targeted at Area 1, the most contaminated area. The RI is scheduled to begin in early 1986.

Site Status Details:

NPL Status: Final
Proposed Date: 10/15/1984
Final Date: 06/10/1986
Deleted Date: Not reported

Narratives Details:

NPL Name: SAN FERNANDO VALLEY (AREA 1)
City: NORTH HOLLYWOOD
State: CA

SEMS:

Site ID: 902251
EPA ID: CAD980894893
Cong District: Not reported
FIPS Code: 6037
Latitude: 34.189999999999998
Longitude: -118.3514
FF: N
NPL: Currently on the Final NPL
Non NPL Status: Not reported

SEMS Detail:

Region: 9
Site ID: 902251
EPA ID: CAD980894893
Site Name: SAN FERNANDO VALLEY (AREA 1)
NPL: F
FF: N
OU: 3
Action Code: RV
Action Name: RMVL
SEQ: 1
Start Date: 1990-08-27 00:00:00
Finish Date: 5/23/1991
Qual: C
Current Action Lead: EPA Perf

Region: 9
Site ID: 902251
EPA ID: CAD980894893
Site Name: SAN FERNANDO VALLEY (AREA 1)
NPL: F
FF: N
OU: 3
Action Code: RS
Action Name: RV ASSESS
SEQ: 2
Start Date: 1991-06-17 00:00:00
Finish Date: 6/17/1991

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAN FERNANDO VALLEY (AREA 1) (Continued)

1000709322

Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	9
Site ID:	902251
EPA ID:	CAD980894893
Site Name:	SAN FERNANDO VALLEY (AREA 1)
NPL:	F
FF:	N
OU:	1
Action Code:	CO
Action Name:	RI/FS
SEQ:	2
Start Date:	1985-08-16 00:00:00
Finish Date:	Not reported
Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	9
Site ID:	902251
EPA ID:	CAD980894893
Site Name:	SAN FERNANDO VALLEY (AREA 1)
NPL:	F
FF:	N
OU:	0
Action Code:	AR
Action Name:	ADMIN REC
SEQ:	2
Start Date:	1991-06-17 00:00:00
Finish Date:	Not reported
Qual:	V
Current Action Lead:	EPA Perf
Region:	9
Site ID:	902251
EPA ID:	CAD980894893
Site Name:	SAN FERNANDO VALLEY (AREA 1)
NPL:	F
FF:	N
OU:	0
Action Code:	RC
Action Name:	RVL CRP
SEQ:	1
Start Date:	1990-09-11 00:00:00
Finish Date:	5/23/1991
Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	9
Site ID:	902251
EPA ID:	CAD980894893
Site Name:	SAN FERNANDO VALLEY (AREA 1)
NPL:	F
FF:	N
OU:	0
Action Code:	FP
Action Name:	FPA

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAN FERNANDO VALLEY (AREA 1) (Continued)

1000709322

SEQ: 1
Start Date: 1984-08-23 00:00:00
Finish Date: Not reported
Qual: Not reported
Current Action Lead: EPA Perf

Region: 9
Site ID: 902251
EPA ID: CAD980894893
Site Name: SAN FERNANDO VALLEY (AREA 1)
NPL: F
FF: N
OU: 0
Action Code: FE
Action Name: 5 YEAR
SEQ: 1
Start Date: 1993-07-08 00:00:00
Finish Date: 7/8/1993
Qual: Not reported
Current Action Lead: EPA Perf

Region: 9
Site ID: 902251
EPA ID: CAD980894893
Site Name: SAN FERNANDO VALLEY (AREA 1)
NPL: F
FF: N
OU: 3
Action Code: RS
Action Name: RV ASSESS
SEQ: 1
Start Date: 1990-08-29 00:00:00
Finish Date: 8/29/1990
Qual: Not reported
Current Action Lead: EPA Perf

Region: 9
Site ID: 902251
EPA ID: CAD980894893
Site Name: SAN FERNANDO VALLEY (AREA 1)
NPL: F
FF: N
OU: 0
Action Code: FE
Action Name: 5 YEAR
SEQ: 7
Start Date: 2017-10-17 00:00:00
Finish Date: Not reported
Qual: Not reported
Current Action Lead: EPA Perf

Region: 9
Site ID: 902251
EPA ID: CAD980894893
Site Name: SAN FERNANDO VALLEY (AREA 1)
NPL: F
FF: N

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAN FERNANDO VALLEY (AREA 1) (Continued)

1000709322

OU: 0
Action Code: CR
Action Name: CI
SEQ: 4
Start Date: 2011-08-10 00:00:00
Finish Date: Not reported
Qual: Not reported
Current Action Lead: EPA Perf

Region: 9
Site ID: 902251
EPA ID: CAD980894893
Site Name: SAN FERNANDO VALLEY (AREA 1)
NPL: F
FF: N
OU: 0
Action Code: CR
Action Name: CI
SEQ: 5
Start Date: 2013-05-20 00:00:00
Finish Date: Not reported
Qual: Not reported
Current Action Lead: EPA Perf

Region: 9
Site ID: 902251
EPA ID: CAD980894893
Site Name: SAN FERNANDO VALLEY (AREA 1)
NPL: F
FF: N
OU: 0
Action Code: NP
Action Name: PROPOSED
SEQ: 1
Start Date: 1984-10-15 00:00:00
Finish Date: 10/15/1984
Qual: Not reported
Current Action Lead: EPA Perf

Region: 9
Site ID: 902251
EPA ID: CAD980894893
Site Name: SAN FERNANDO VALLEY (AREA 1)
NPL: F
FF: N
OU: 2
Action Code: RO
Action Name: ROD
SEQ: 3
Start Date: 1987-09-24 00:00:00
Finish Date: 9/24/1987
Qual: Not reported
Current Action Lead: EPA Perf

Region: 9
Site ID: 902251
EPA ID: CAD980894893

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAN FERNANDO VALLEY (AREA 1) (Continued)

1000709322

Site Name: SAN FERNANDO VALLEY (AREA 1)
NPL: F
FF: N
OU: 3
Action Code: RO
Action Name: ROD
SEQ: 2
Start Date: 1989-06-30 00:00:00
Finish Date: 6/30/1989
Qual: Not reported
Current Action Lead: EPA Perf

Region: 9
Site ID: 902251
EPA ID: CAD980894893
Site Name: SAN FERNANDO VALLEY (AREA 1)
NPL: F
FF: N
OU: 0
Action Code: CR
Action Name: CI
SEQ: 1
Start Date: 1985-03-18 00:00:00
Finish Date: Not reported
Qual: Not reported
Current Action Lead: EPA Perf

Region: 9
Site ID: 902251
EPA ID: CAD980894893
Site Name: SAN FERNANDO VALLEY (AREA 1)
NPL: F
FF: N
OU: 0
Action Code: MA
Action Name: ST COOP
SEQ: 1
Start Date: 1989-04-30 00:00:00
Finish Date: Not reported
Qual: Not reported
Current Action Lead: EPA Perf

Region: 9
Site ID: 902251
EPA ID: CAD980894893
Site Name: SAN FERNANDO VALLEY (AREA 1)
NPL: F
FF: N
OU: 0
Action Code: NF
Action Name: NPL FINL
SEQ: 1
Start Date: 1986-06-10 00:00:00
Finish Date: 6/10/1986
Qual: Not reported
Current Action Lead: EPA Perf

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAN FERNANDO VALLEY (AREA 1) (Continued)

1000709322

Region: 9
Site ID: 902251
EPA ID: CAD980894893
Site Name: SAN FERNANDO VALLEY (AREA 1)
NPL: F
FF: N
OU: 0
Action Code: MA
Action Name: ST COOP
SEQ: 2
Start Date: 1988-01-12 00:00:00
Finish Date: Not reported
Qual: Not reported
Current Action Lead: EPA Perf

Region: 9
Site ID: 902251
EPA ID: CAD980894893
Site Name: SAN FERNANDO VALLEY (AREA 1)
NPL: F
FF: N
OU: 4
Action Code: RO
Action Name: ROD
SEQ: 4
Start Date: 2009-09-30 00:00:00
Finish Date: 9/30/2009
Qual: Not reported
Current Action Lead: EPA Perf

Region: 9
Site ID: 902251
EPA ID: CAD980894893
Site Name: SAN FERNANDO VALLEY (AREA 1)
NPL: F
FF: N
OU: 0
Action Code: FE
Action Name: 5 YEAR
SEQ: 6
Start Date: 2013-09-30 00:00:00
Finish Date: 9/30/2013
Qual: Not reported
Current Action Lead: EPA Perf

Region: 9
Site ID: 902251
EPA ID: CAD980894893
Site Name: SAN FERNANDO VALLEY (AREA 1)
NPL: F
FF: N
OU: 4
Action Code: TA
Action Name: TECH ASSIST
SEQ: 2
Start Date: 2017-07-06 00:00:00
Finish Date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAN FERNANDO VALLEY (AREA 1) (Continued)

1000709322

Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	9
Site ID:	902251
EPA ID:	CAD980894893
Site Name:	SAN FERNANDO VALLEY (AREA 1)
NPL:	F
FF:	N
OU:	0
Action Code:	CR
Action Name:	CI
SEQ:	3
Start Date:	2008-09-10 00:00:00
Finish Date:	Not reported
Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	9
Site ID:	902251
EPA ID:	CAD980894893
Site Name:	SAN FERNANDO VALLEY (AREA 1)
NPL:	F
FF:	N
OU:	0
Action Code:	CR
Action Name:	CI
SEQ:	2
Start Date:	2008-09-10 00:00:00
Finish Date:	Not reported
Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	9
Site ID:	902251
EPA ID:	CAD980894893
Site Name:	SAN FERNANDO VALLEY (AREA 1)
NPL:	F
FF:	N
OU:	0
Action Code:	MA
Action Name:	ST COOP
SEQ:	5
Start Date:	2012-03-21 00:00:00
Finish Date:	Not reported
Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	9
Site ID:	902251
EPA ID:	CAD980894893
Site Name:	SAN FERNANDO VALLEY (AREA 1)
NPL:	F
FF:	N
OU:	0
Action Code:	MA
Action Name:	ST COOP

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAN FERNANDO VALLEY (AREA 1) (Continued)

1000709322

SEQ: 4
Start Date: 2012-03-21 00:00:00
Finish Date: Not reported
Qual: Not reported
Current Action Lead: EPA Perf

Region: 9
Site ID: 902251
EPA ID: CAD980894893
Site Name: SAN FERNANDO VALLEY (AREA 1)
NPL: F
FF: N
OU: 0
Action Code: MA
Action Name: ST COOP
SEQ: 3
Start Date: 2011-09-26 00:00:00
Finish Date: Not reported
Qual: Not reported
Current Action Lead: EPA Perf

Region: 9
Site ID: 902251
EPA ID: CAD980894893
Site Name: SAN FERNANDO VALLEY (AREA 1)
NPL: F
FF: N
OU: 0
Action Code: FE
Action Name: 5 YEAR
SEQ: 5
Start Date: 2004-04-15 00:00:00
Finish Date: 9/30/2004
Qual: Not reported
Current Action Lead: EPA Perf

Region: 9
Site ID: 902251
EPA ID: CAD980894893
Site Name: SAN FERNANDO VALLEY (AREA 1)
NPL: F
FF: N
OU: 0
Action Code: FE
Action Name: 5 YEAR
SEQ: 2
Start Date: 1998-08-17 00:00:00
Finish Date: 8/17/1998
Qual: Not reported
Current Action Lead: EPA Perf

Region: 9
Site ID: 902251
EPA ID: CAD980894893
Site Name: SAN FERNANDO VALLEY (AREA 1)
NPL: F
FF: N

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAN FERNANDO VALLEY (AREA 1) (Continued)

1000709322

OU: 0
Action Code: FE
Action Name: 5 YEAR
SEQ: 4
Start Date: 2008-04-24 00:00:00
Finish Date: 9/30/2008
Qual: Not reported
Current Action Lead: EPA Perf

Region: 9
Site ID: 902251
EPA ID: CAD980894893
Site Name: SAN FERNANDO VALLEY (AREA 1)
NPL: F
FF: N
OU: 0
Action Code: FE
Action Name: 5 YEAR
SEQ: 3
Start Date: 2003-06-20 00:00:00
Finish Date: 9/30/2003
Qual: Not reported
Current Action Lead: EPA Perf

Region: 9
Site ID: 902251
EPA ID: CAD980894893
Site Name: SAN FERNANDO VALLEY (AREA 1)
NPL: F
FF: N
OU: 0
Action Code: AR
Action Name: ADMIN REC
SEQ: 3
Start Date: 2000-07-18 00:00:00
Finish Date: Not reported
Qual: Not reported
Current Action Lead: EPA Perf

Region: 9
Site ID: 902251
EPA ID: CAD980894893
Site Name: SAN FERNANDO VALLEY (AREA 1)
NPL: F
FF: N
OU: 4
Action Code: FS
Action Name: FS
SEQ: 1
Start Date: 2006-01-23 00:00:00
Finish Date: 9/30/2009
Qual: Not reported
Current Action Lead: EPA Perf

Region: 9
Site ID: 902251
EPA ID: CAD980894893

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAN FERNANDO VALLEY (AREA 1) (Continued)

1000709322

Site Name: SAN FERNANDO VALLEY (AREA 1)
NPL: F
FF: N
OU: 0
Action Code: TA
Action Name: TECH ASSIST
SEQ: 1
Start Date: 1985-09-30 00:00:00
Finish Date: Not reported
Qual: Not reported
Current Action Lead: EPA Perf

Region: 9
Site ID: 902251
EPA ID: CAD980894893
Site Name: SAN FERNANDO VALLEY (AREA 1)
NPL: F
FF: N
OU: 3
Action Code: BF
Action Name: PRP RA
SEQ: 3
Start Date: 1997-09-30 00:00:00
Finish Date: Not reported
Qual: Not reported
Current Action Lead: EPA Ovrsght

Region: 9
Site ID: 902251
EPA ID: CAD980894893
Site Name: SAN FERNANDO VALLEY (AREA 1)
NPL: F
FF: N
OU: 3
Action Code: BE
Action Name: PRP RD
SEQ: 3
Start Date: 1992-07-27 00:00:00
Finish Date: 11/22/1993
Qual: Not reported
Current Action Lead: EPA Ovrsght

Region: 9
Site ID: 902251
EPA ID: CAD980894893
Site Name: SAN FERNANDO VALLEY (AREA 1)
NPL: F
FF: N
OU: 3
Action Code: BE
Action Name: PRP RD
SEQ: 1
Start Date: 1992-03-25 00:00:00
Finish Date: 11/22/1993
Qual: Not reported
Current Action Lead: EPA Ovrsght

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAN FERNANDO VALLEY (AREA 1) (Continued)

1000709322

Region: 9
Site ID: 902251
EPA ID: CAD980894893
Site Name: SAN FERNANDO VALLEY (AREA 1)
NPL: F
FF: N
OU: 1
Action Code: BD
Action Name: PRP RI/FS
SEQ: 1
Start Date: 1994-02-18 00:00:00
Finish Date: 9/9/1994
Qual: Not reported
Current Action Lead: EPA Ovrsght

Region: 9
Site ID: 902251
EPA ID: CAD980894893
Site Name: SAN FERNANDO VALLEY (AREA 1)
NPL: F
FF: N
OU: 3
Action Code: BF
Action Name: PRP RA
SEQ: 2
Start Date: 1993-11-22 00:00:00
Finish Date: Not reported
Qual: Not reported
Current Action Lead: EPA Ovrsght

Region: 9
Site ID: 902251
EPA ID: CAD980894893
Site Name: SAN FERNANDO VALLEY (AREA 1)
NPL: F
FF: N
OU: 1
Action Code: NA
Action Name: PRP RI
SEQ: 1
Start Date: 1994-02-18 00:00:00
Finish Date: 9/9/1994
Qual: Not reported
Current Action Lead: EPA Ovrsght

Region: 9
Site ID: 902251
EPA ID: CAD980894893
Site Name: SAN FERNANDO VALLEY (AREA 1)
NPL: F
FF: N
OU: 4
Action Code: BE
Action Name: PRP RD
SEQ: 6
Start Date: 2011-02-14 00:00:00
Finish Date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAN FERNANDO VALLEY (AREA 1) (Continued)

1000709322

Qual:	Not reported
Current Action Lead:	EPA Ovrsght
Region:	9
Site ID:	902251
EPA ID:	CAD980894893
Site Name:	SAN FERNANDO VALLEY (AREA 1)
NPL:	F
FF:	N
OU:	3
Action Code:	BF
Action Name:	PRP RA
SEQ:	1
Start Date:	1993-11-22 00:00:00
Finish Date:	Not reported
Qual:	Not reported
Current Action Lead:	EPA Ovrsght
Region:	9
Site ID:	902251
EPA ID:	CAD980894893
Site Name:	SAN FERNANDO VALLEY (AREA 1)
NPL:	F
FF:	N
OU:	2
Action Code:	OM
Action Name:	OM
SEQ:	1
Start Date:	1999-12-01 00:00:00
Finish Date:	Not reported
Qual:	Not reported
Current Action Lead:	EPA Ovrsght
Region:	9
Site ID:	902251
EPA ID:	CAD980894893
Site Name:	SAN FERNANDO VALLEY (AREA 1)
NPL:	F
FF:	N
OU:	3
Action Code:	BE
Action Name:	PRP RD
SEQ:	2
Start Date:	1992-03-25 00:00:00
Finish Date:	9/30/1997
Qual:	Not reported
Current Action Lead:	EPA Ovrsght
Region:	9
Site ID:	902251
EPA ID:	CAD980894893
Site Name:	SAN FERNANDO VALLEY (AREA 1)
NPL:	F
FF:	N
OU:	0
Action Code:	DS
Action Name:	DISCVRY

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAN FERNANDO VALLEY (AREA 1) (Continued)

1000709322

SEQ: 1
Start Date: 1983-12-01 00:00:00
Finish Date: 12/1/1983
Qual: Not reported
Current Action Lead: St Perf

Region: 9
Site ID: 902251
EPA ID: CAD980894893
Site Name: SAN FERNANDO VALLEY (AREA 1)
NPL: F
FF: N
OU: 2
Action Code: CO
Action Name: RI/FS
SEQ: 1
Start Date: 1985-08-16 00:00:00
Finish Date: 9/24/1987
Qual: Not reported
Current Action Lead: St Perf

Region: 9
Site ID: 902251
EPA ID: CAD980894893
Site Name: SAN FERNANDO VALLEY (AREA 1)
NPL: F
FF: N
OU: 1
Action Code: ED
Action Name: R/H ASMT
SEQ: 1
Start Date: 1992-12-15 00:00:00
Finish Date: 12/15/1992
Qual: Not reported
Current Action Lead: St Perf

Region: 9
Site ID: 902251
EPA ID: CAD980894893
Site Name: SAN FERNANDO VALLEY (AREA 1)
NPL: F
FF: N
OU: 2
Action Code: RD
Action Name: RD
SEQ: 1
Start Date: 1987-04-01 00:00:00
Finish Date: 9/24/1987
Qual: Not reported
Current Action Lead: St Perf

Region: 9
Site ID: 902251
EPA ID: CAD980894893
Site Name: SAN FERNANDO VALLEY (AREA 1)
NPL: F
FF: N

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAN FERNANDO VALLEY (AREA 1) (Continued)

1000709322

OU: 0
Action Code: SI
Action Name: SI
SEQ: 1
Start Date: 1984-04-01 00:00:00
Finish Date: 4/1/1984
Qual: H
Current Action Lead: St Perf

Region: 9
Site ID: 902251
EPA ID: CAD980894893
Site Name: SAN FERNANDO VALLEY (AREA 1)
NPL: F
FF: N
OU: 0
Action Code: PA
Action Name: PA
SEQ: 1
Start Date: 1984-04-01 00:00:00
Finish Date: 4/1/1984
Qual: H
Current Action Lead: St Perf

Region: 9
Site ID: 902251
EPA ID: CAD980894893
Site Name: SAN FERNANDO VALLEY (AREA 1)
NPL: F
FF: N
OU: 2
Action Code: RA
Action Name: RA
SEQ: 1
Start Date: 1987-08-06 00:00:00
Finish Date: 9/4/1991
Qual: Not reported
Current Action Lead: St Perf

Region: 9
Site ID: 902251
EPA ID: CAD980894893
Site Name: SAN FERNANDO VALLEY (AREA 1)
NPL: F
FF: N
OU: 0
Action Code: HR
Action Name: HAZRANK
SEQ: 1
Start Date: 1984-04-01 00:00:00
Finish Date: 4/1/1984
Qual: Not reported
Current Action Lead: St Perf

Region: 9
Site ID: 902251
EPA ID: CAD980894893

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAN FERNANDO VALLEY (AREA 1) (Continued)

1000709322

Site Name: SAN FERNANDO VALLEY (AREA 1)
NPL: F
FF: N
OU: 3
Action Code: CO
Action Name: RI/FS
SEQ: 3
Start Date: 1988-01-15 00:00:00
Finish Date: 6/30/1989
Qual: Not reported
Current Action Lead: St Perf

Region: 9
Site ID: 902251
EPA ID: CAD980894893
Site Name: SAN FERNANDO VALLEY (AREA 1)
NPL: F
FF: N
OU: 0
Action Code: AR
Action Name: ADMIN REC
SEQ: 1
Start Date: 1989-06-26 00:00:00
Finish Date: Not reported
Qual: E
Current Action Lead: St Perf

Region: 9
Site ID: 902251
EPA ID: CAD980894893
Site Name: SAN FERNANDO VALLEY (AREA 1)
NPL: F
FF: N
OU: 1
Action Code: JF
Action Name: ECO RISK
SEQ: 1
Start Date: 1992-12-15 00:00:00
Finish Date: 12/15/1992
Qual: Not reported
Current Action Lead: St Perf

Region: 9
Site ID: 902251
EPA ID: CAD980894893
Site Name: SAN FERNANDO VALLEY (AREA 1)
NPL: F
FF: N
OU: 2
Action Code: LR
Action Name: LT RESP
SEQ: 1
Start Date: 1989-12-01 00:00:00
Finish Date: 12/1/1999
Qual: Not reported
Current Action Lead: St Perf

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAN FERNANDO VALLEY (AREA 1) (Continued)

1000709322

US ENG CONTROLS:

EPA ID: CAD980894893
Site ID: 0902251
Name: SAN FERNANDO VALLEY (AREA 1)
Address: NORTH HOLLYWOOD WELLFIELD AREA
NORTH HOLLYWOOD, CA 91601

EPA Region: 09
County: LOS ANGELES
Event Code: Not reported
Actual Date: 09/30/2009
Contact Name: Not reported
Contact Phone and Ext: Not reported
Event Code Description: Not reported

Action ID: 001
Action Name: Explanation Of Significant Differences
Action Completion date: 11/12/1990
Operable Unit: 03
Contaminated Media : Groundwater
Engineering Control: Reinjection
Contact Name: Not reported
Contact Phone and Ext: Not reported
Event Code Description: Not reported

Action ID: 001
Action Name: Explanation Of Significant Differences
Action Completion date: 11/12/1990
Operable Unit: 03
Contaminated Media : Groundwater
Engineering Control: Treatment, (N.O.S.)
Contact Name: Not reported
Contact Phone and Ext: Not reported
Event Code Description: Not reported

Action ID: 002
Action Name: Explanation Of Significant Differences
Action Completion date: 02/12/1997
Operable Unit: 03
Contaminated Media : Groundwater
Engineering Control: Non-fundamental change (ESD)
Contact Name: Not reported
Contact Phone and Ext: Not reported
Event Code Description: Not reported

Action ID: 002
Action Name: RECORD OF DECISION
Action Completion date: 06/30/1989
Operable Unit: 03
Contaminated Media : Groundwater
Engineering Control: Air Stripping
Contact Name: Not reported
Contact Phone and Ext: Not reported
Event Code Description: Not reported

Action ID: 002
Action Name: RECORD OF DECISION
Action Completion date: 06/30/1989

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAN FERNANDO VALLEY (AREA 1) (Continued)

1000709322

Operable Unit: 03
Contaminated Media : Groundwater
Engineering Control: Extraction
Contact Name: Not reported
Contact Phone and Ext: Not reported
Event Code Description: Not reported

Action ID: 002
Action Name: RECORD OF DECISION
Action Completion date: 06/30/1989
Operable Unit: 03
Contaminated Media : Groundwater
Engineering Control: Reuse as Drinking Water
Contact Name: Not reported
Contact Phone and Ext: Not reported
Event Code Description: Not reported

Action ID: 002
Action Name: RECORD OF DECISION
Action Completion date: 06/30/1989
Operable Unit: 03
Contaminated Media : Groundwater
Engineering Control: Treatment, (N.O.S.)
Contact Name: Not reported
Contact Phone and Ext: Not reported
Event Code Description: Not reported

Action ID: 003
Action Name: RECORD OF DECISION
Action Completion date: 09/24/1987
Operable Unit: 02
Contaminated Media : Groundwater
Engineering Control: Aeration
Contact Name: Not reported
Contact Phone and Ext: Not reported
Event Code Description: Not reported

Action ID: 003
Action Name: RECORD OF DECISION
Action Completion date: 09/24/1987
Operable Unit: 02
Contaminated Media : Groundwater
Engineering Control: Carbon Adsorption
Contact Name: Not reported
Contact Phone and Ext: Not reported
Event Code Description: Not reported

Action ID: 003
Action Name: RECORD OF DECISION
Action Completion date: 09/24/1987
Operable Unit: 02
Contaminated Media : Groundwater
Engineering Control: Containment, (N.O.S.)
Contact Name: Not reported
Contact Phone and Ext: Not reported
Event Code Description: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAN FERNANDO VALLEY (AREA 1) (Continued)

1000709322

Action ID: 003
Action Name: RECORD OF DECISION
Action Completion date: 09/24/1987
Operable Unit: 02
Contaminated Media : Groundwater
Engineering Control: Discharge
Contact Name: Not reported
Contact Phone and Ext: Not reported
Event Code Description: Not reported

Action ID: 003
Action Name: RECORD OF DECISION
Action Completion date: 09/24/1987
Operable Unit: 02
Contaminated Media : Groundwater
Engineering Control: Extraction
Contact Name: Not reported
Contact Phone and Ext: Not reported
Event Code Description: Not reported

Action ID: 004
Action Name: RECORD OF DECISION
Action Completion date: 09/30/2009
Operable Unit: 04
Contaminated Media : Groundwater
Engineering Control: Air Stripping
Contact Name: Not reported
Contact Phone and Ext: Not reported
Event Code Description: Not reported

Action ID: 004
Action Name: RECORD OF DECISION
Action Completion date: 09/30/2009
Operable Unit: 04
Contaminated Media : Groundwater
Engineering Control: Extraction
Contact Name: Not reported
Contact Phone and Ext: Not reported
Event Code Description: Not reported

Action ID: 004
Action Name: RECORD OF DECISION
Action Completion date: 09/30/2009
Operable Unit: 04
Contaminated Media : Groundwater
Engineering Control: Filtration
Contact Name: Not reported
Contact Phone and Ext: Not reported
Event Code Description: Not reported

Action ID: 004
Action Name: RECORD OF DECISION
Action Completion date: 09/30/2009
Operable Unit: 04
Contaminated Media : Groundwater
Engineering Control: Ion Exchange
Contact Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAN FERNANDO VALLEY (AREA 1) (Continued)

1000709322

Contact Phone and Ext: Not reported
Event Code Description: Not reported

Action ID: 004
Action Name: RECORD OF DECISION
Action Completion date: 09/30/2009
Operable Unit: 04
Contaminated Media : Groundwater
Engineering Control: Liquid Phase Carbon Adsorption
Contact Name: Not reported
Contact Phone and Ext: Not reported
Event Code Description: Not reported

Action ID: 004
Action Name: RECORD OF DECISION
Action Completion date: 09/30/2009
Operable Unit: 04
Contaminated Media : Groundwater
Engineering Control: Monitoring
Contact Name: Not reported
Contact Phone and Ext: Not reported
Event Code Description: Not reported

Action ID: 004
Action Name: RECORD OF DECISION
Action Completion date: 09/30/2009
Operable Unit: 04
Contaminated Media : Groundwater
Engineering Control: Well Head Treatment
Contact Name: Not reported
Contact Phone and Ext: Not reported
Event Code Description: Not reported

US INST CONTROL:

EPA ID: CAD980894893
Site ID: 0902251
Name: SAN FERNANDO VALLEY (AREA 1)
Action Name: RECORD OF DECISION
Address: NORTH HOLLYWOOD WELLFIELD AREA
NORTH HOLLYWOOD, CA 91601

EPA Region: 09
County: LOS ANGELES
Event Code: Not reported
Inst. Control: Groundwater use/well drilling regulation
Actual Date: 09/30/2009
Comple. Date: 09/30/2009
Operable Unit: 04
Contaminated Media : Groundwater
Contact Name : Not reported
Contact Phone and Ext : Not reported
Event Code Description: Not reported

ENVIROSTOR:

Facility ID: 19990011
Status: Active

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MAP FINDINGS

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EDR ID Number
EPA ID Number

SAN FERNANDO VALLEY (AREA 1) (Continued)

1000709322

Status Date: 05/15/1996
Site Code: 300287
Site Type: Federal Superfund
Site Type Detailed: State Response or NPL
Acres: 5254
NPL: YES
Regulatory Agencies: SMBRP, RWQCB 4 - Los Angeles, US EPA
Lead Agency: US EPA
Program Manager: Laura Radke
Supervisor: Sayareh Amirebrahimi
Division Branch: Cleanup Chatsworth
Assembly: 39
Senate: 18
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Responsible Party
Latitude: 34.1875
Longitude: -118.3838
APN: NONE SPECIFIED
Past Use: AEROSPACE MANUFACTURING/MAINTENANCE, MACHINE SHOP, MANUFACTURING - METAL, METAL FINISHING, METAL PLATING - CHROME, METAL PLATING - OTHER, RESEARCH - AEROSPACE

Potential COC: Tetrachloroethylene (PCE 1,1,1-Trichloroethane (TCA Trichloroethylene (TCE Chromium III Chromium VI
Confirmed COC: Tetrachloroethylene (PCE 1,1,1-Trichloroethane (TCA Trichloroethylene (TCE Chromium III Chromium VI
Potential Description: AQUI, SOIL
Alias Name: BURBANK OU
Alias Type: Alternate Name
Alias Name: NORTH HOLLYWOOD OUF5
Alias Type: Alternate Name
Alias Name: SAN FERNANDO VALLEY GW BASIN AREA 1
Alias Type: Alternate Name
Alias Name: CAD980894893
Alias Type: CERCLIS ID
Alias Name: 110009267961
Alias Type: EPA (FRS #)
Alias Name: P31031
Alias Type: PCode
Alias Name: 300126
Alias Type: Project Code (Site Code)
Alias Name: 300173
Alias Type: Project Code (Site Code)
Alias Name: 300287
Alias Type: Project Code (Site Code)
Alias Name: 19990011
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Order
Completed Date: 06/24/1997
Comments: A second partial Consent Decree, dated June 24, 1997, requires reimbursement to the State by Lockheed-Martin of certain past costs and annual billing for future site specific response costs.

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SAN FERNANDO VALLEY (AREA 1) (Continued)

1000709322

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Order
Completed Date: 05/14/1997
Comments: The second partial consent decree to recover DTSC's past cost is signed on May 14, 1997. This also concludes the litigation for the interim remedy at the North Hollywood OU.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Order
Completed Date: 08/01/1996
Comments: The first partial consent decree is entered by the Federal District court on August 1, 1996.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: 5 Year Review Reports
Completed Date: 08/17/1998
Comments: A second 5-year review of remedial activities is conducted at the North Hollywood OU (NHOU) and covers operations from 1993 thru 1997. The purpose was to evaluate whether the NH Interim Remedy achieved the objectives specified in the ROD. The findings of the 5-year review are that the objectives of the ROD have been met.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Design/Implementation Workplan
Completed Date: 11/17/1997
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Design/Implementation Workplan
Completed Date: 03/31/1997
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Participation Plan / Community Relations Plan
Completed Date: 04/30/1990
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation / Feasibility Study
Completed Date: 06/30/1989
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Plan
Completed Date: 06/30/1989
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

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SAN FERNANDO VALLEY (AREA 1) (Continued)

1000709322

Completed Document Type: Removal Action Completion Report
Completed Date: 03/31/1989
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation / Feasibility Study
Completed Date: 09/30/1987
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/08/2008
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Feasibility Study Report
Completed Date: 01/08/2009
Comments: DTSCs letter with comments on Focussed Feasibility Study document for North Hollywood Operable Unit, San Fernando Valley Area 1 was sent out.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Record of Decision - Interim
Completed Date: 09/28/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 02/27/2017
Comments: EPA Issues updated fact sheet with proposed changes to NHOU remedy

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

Calsite:

Region: GLENDALE
Facility ID: 19990011
Facility Type: NPJF
Type: NPL SITE, JOINT STATE/FEDERAL-FUNDED
Branch: SA
Branch Name: SO CAL - GLENDALE
File Name: Not reported
State Senate District: 05151996
Status: ANNUAL WORKPLAN (AWP) - ACTIVE SITE
Status Name: ANNUAL WORKPLAN - ACTIVE SITE

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SAN FERNANDO VALLEY (AREA 1) (Continued)

1000709322

Lead Agency: ENVIRONMENTAL PROTECTION AGENCY
NPL: Listed
SIC Code: 99
SIC Name: NONCLASSIFIABLE ESTABLISHMENTS
Access: Not reported
Cortese: Not reported
Hazardous Ranking Score: Not reported
Date Site Hazard Ranked: Not reported
Groundwater Contamination: Confirmed
Staff Member Responsible for Site: TYARGEAU
Supervisor Responsible for Site: Not reported
Region Water Control Board: LA
Region Water Control Board Name: LOS ANGELES
Lat/Long Direction: Not reported
Lat/Long (dms): 0 0 0 / 0 0 0
Lat/long Method: Not reported
Lat/Long Description: Not reported
State Assembly District Code: 43
State Senate District Code: 20
Facility ID: 19990011
Activity: RAP
Activity Name: REMEDIAL ACTION PLAN / RECORD OF DECISION
AWP Code: NH
Proposed Budget: 0
AWP Completion Date: Not reported
Revised Due Date: Not reported
Comments Date: 09301987
Est Person-Yrs to complete: 0
Estimated Size: Not reported
Request to Delete Activity: Not reported
Activity Status: AWP
Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals): 0
Liquids Treated (Gals): 0
Action Included Capping: Not reported
Well Decommissioned: Not reported
Action Included Fencing: Not reported
Removal Action Certification: Not reported
Activity Comments: Not reported
For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 19990011
Activity: RIFS
Activity Name: REMEDIAL INVESTIGATION / FEASIBILITY STUDY
AWP Code: NH
Proposed Budget: 0
AWP Completion Date: Not reported
Revised Due Date: Not reported
Comments Date: 09301987
Est Person-Yrs to complete: 0
Estimated Size: Not reported
Request to Delete Activity: Not reported
Activity Status: AWP
Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals): 0

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SAN FERNANDO VALLEY (AREA 1) (Continued)

1000709322

Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19990011
Activity:	RA
Activity Name:	REMOVAL ACTION
AWP Code:	NH
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	03311989
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19990011
Activity:	RAP
Activity Name:	REMEDIAL ACTION PLAN / RECORD OF DECISION
AWP Code:	B
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	06301989
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0

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SAN FERNANDO VALLEY (AREA 1) (Continued)

1000709322

Unknown Type: 0
Facility ID: 19990011
Activity: RIFS
Activity Name: REMEDIAL INVESTIGATION / FEASIBILITY STUDY
AWP Code: B
Proposed Budget: 0
AWP Completion Date: Not reported
Revised Due Date: Not reported
Comments Date: 06301989
Est Person-Yrs to complete: 0
Estimated Size: Not reported
Request to Delete Activity: Not reported
Activity Status: AWP
Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals): 0
Liquids Treated (Gals): 0
Action Included Capping: Not reported
Well Decommissioned: Not reported
Action Included Fencing: Not reported
Removal Action Certification: Not reported
Activity Comments: Not reported
For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 19990011
Activity: PPP
Activity Name: PUBLIC PARTICIPATION PLAN
AWP Code: Not reported
Proposed Budget: 0
AWP Completion Date: Not reported
Revised Due Date: Not reported
Comments Date: 04301990
Est Person-Yrs to complete: 0
Estimated Size: Not reported
Request to Delete Activity: Not reported
Activity Status: AWP
Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals): 0
Liquids Treated (Gals): 0
Action Included Capping: Not reported
Well Decommissioned: Not reported
Action Included Fencing: Not reported
Removal Action Certification: Not reported
Activity Comments: Not reported
For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 19990011
Activity: DES
Activity Name: DESIGN
AWP Code: B-PH1
Proposed Budget: 0
AWP Completion Date: Not reported
Revised Due Date: Not reported
Comments Date: 03311997

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SAN FERNANDO VALLEY (AREA 1) (Continued)

1000709322

Est Person-Yrs to complete:	0.30000
Estimated Size:	X
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19990011
Activity:	COST
Activity Name:	COST RECOVERY
AWP Code:	NH1/1
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	09041996
Est Person-Yrs to complete:	0
Estimated Size:	X
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19990011
Activity:	OM
Activity Name:	OPERATION & MAINTENANCE
AWP Code:	NH OU
Proposed Budget:	0
AWP Completion Date:	06302009
Revised Due Date:	Not reported
Comments Date:	Not reported
Est Person-Yrs to complete:	0
Estimated Size:	M
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported

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SAN FERNANDO VALLEY (AREA 1) (Continued)

1000709322

Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19990011
Activity:	COST
Activity Name:	COST RECOVERY
AWP Code:	NH2/1
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	06201997
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19990011
Activity:	DES
Activity Name:	DESIGN
AWP Code:	B-PH2
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	11171997
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19990011
Activity:	ORDER

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SAN FERNANDO VALLEY (AREA 1) (Continued)

1000709322

Activity Name: I/SE, IORSE, FFA, FFSRA, VCA, EA
AWP Code: CSNH1
Proposed Budget: 0
AWP Completion Date: Not reported
Revised Due Date: Not reported
Comments Date: 08011996
Est Person-Yrs to complete: 0
Estimated Size: Not reported
Request to Delete Activity: Not reported
Activity Status: AWP
Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals): 0
Liquids Treated (Gals): 0
Action Included Capping: Not reported
Well Decommissioned: Not reported
Action Included Fencing: Not reported
Removal Action Certification: Not reported
Activity Comments: Not reported
For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 19990011
Activity: ORDER
Activity Name: I/SE, IORSE, FFA, FFSRA, VCA, EA
AWP Code: CSNH2
Proposed Budget: 0
AWP Completion Date: Not reported
Revised Due Date: Not reported
Comments Date: 05141997
Est Person-Yrs to complete: 0
Estimated Size: Not reported
Request to Delete Activity: Not reported
Activity Status: AWP
Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals): 0
Liquids Treated (Gals): 0
Action Included Capping: Not reported
Well Decommissioned: Not reported
Action Included Fencing: Not reported
Removal Action Certification: Not reported
Activity Comments: Not reported
For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 19990011
Activity: ORDER
Activity Name: I/SE, IORSE, FFA, FFSRA, VCA, EA
AWP Code: CD-B2
Proposed Budget: 0
AWP Completion Date: Not reported
Revised Due Date: Not reported
Comments Date: 06241997
Est Person-Yrs to complete: 0
Estimated Size: Not reported
Request to Delete Activity: Not reported

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SAN FERNANDO VALLEY (AREA 1) (Continued)

1000709322

Activity Status: AWP
Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals): 0
Liquids Treated (Gals): 0
Action Included Capping: Not reported
Well Decommissioned: Not reported
Action Included Fencing: Not reported
Removal Action Certification: Not reported
Activity Comments: Not reported
For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 19990011
Activity: 5YEAR
Activity Name: FIVE-YEAR REVIEW REQUIRED BY CERCLA
AWP Code: NH OU
Proposed Budget: 0
AWP Completion Date: Not reported
Revised Due Date: Not reported
Comments Date: 08171998
Est Person-Yrs to complete: 0
Estimated Size: Not reported
Request to Delete Activity: Not reported
Activity Status: AWP
Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals): 0
Liquids Treated (Gals): 0
Action Included Capping: Not reported
Well Decommissioned: Not reported
Action Included Fencing: Not reported
Removal Action Certification: Not reported
Activity Comments: Not reported
For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Alternate Address: NORTH HOLLYWOOD AREA
Alternate City,St,Zip: NORTH HOLLYWOOD, CA 91606
Alternate Address: NORTH HOLLYWOOD WELLFIELD AREA
Alternate City,St,Zip: LOS ANGELES, CA 91601
Alternate Address: BURBANK
Alternate City,St,Zip: BURBANK, CA 91502
Background Info: The San Fernando Valley Ground Water Basin (SFVGWB) is located within the Upper Los Angeles River Area, and consists of the eastern portion of the San Fernando Valley and the entire Verdugo Basin. The SFVGWB encompasses approximately 112,000 acres of alluvial valley fill deposits and provides enough water to serve approximately 600,000 residents. The Basin is bounded on the north and the northwest by the Santa Susana Mountains, on the northeast by the San Gabriel Mountains, on the west by the Simi Hills and on the south by the Santa Monica Mountains. The San Fernando Valley Study area includes four National Priorities List (NPL) sites. They are:
Area #1 - North Hollywood NPL Site covers 9336 acres in the eastern part of the San Fernando Valley. The site has been divided into the North Hollywood Operable Unit(OU) and the

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SAN FERNANDO VALLEY (AREA 1) (Continued)

1000709322

Burbank OU.

Area #2 - Crystal Springs NPL Site covers 3975 acres located southeast of the North Hollywood NPL site and is in the cities of Glendale and Los Angeles.

Area #3 - Verdugo NPL Site covers 2673 acres in the eastern part of the SF Valley and is located in and adjacent to La Crescenta in the Verdugo Mountains.

Area #4 - the Pollock NPL Site covers 1635 acres in the southeastern part of the San Fernando Valley and is located in and adjacent to the cities of Los Angeles and Glendale.

Groundwater contamination in the SFVGWB is linked to prewar, postwar, and current industrialization in the San Fernando Valley.

The primary contaminants of concern are the volatile organic compounds (VOCs) trichloroethylene (TCE) and tetrachloroethylene (PCE). These compounds have been and/or are being used in many San Fernando Valley industries, such as aeronautical, automotive dry cleaning, and metal plating. These solvents have found their way to the groundwater basin as a result of both past and improper use, storage and disposal practices. The SFVGWB Superfund sites, added to the NPL in 1986, are areas where groundwater from wells have been found to contain VOCs above the state and federal drinking water standards. Groundwater contamination in numerous wells have been so severe with TCE and PCE that these wells have essentially been put out of commission.

Exposure of receptors to contaminants can possibly occur through ingestion of contaminated drinking water, inhalation of VOC vapors released from the contaminated water as in taking showers, and dermal exposure as in washing or bathing. However, with the strict regulatory control over water quality by the State's Department of Health, Office of Drinking Water (ODW), the RWQCB, and other agencies, residents are assured that the water they consume is safe and that no one is drinking water which contains concentrations of contaminants above regulatory standards. Federal, state, and local agencies have been conducting investigations and cleanup of contaminated groundwater in the San Fernando Valley since contamination was discovered in 1979. These activities involve measuring the extent of contamination, developing and implementing cleanup remedies, and identifying responsible parties.

EPA provided oversight of the basinwide Remedial Investigation (RI) of groundwater contamination conducted by the Los Angeles Department of Water and Power (LADWP). The RI objectives were to collect lithological and water quality data and information regarding basin operations for the eastern SF and Verdugo basins; develop a regional characterization of geology, hydrology, hydrogeology and the nature and extent of groundwater contamination within the eastern and Verdugo basins; study fate and transport of compounds in the environment; identify Applicable or Relevant and Appropriate Requirements; (ARAR's) and evaluate the potential risk to human health and the environment. The Remedial Investigation of the SFVGWB was divided into two phases.

Phase I activities have included vertical profile borings and installation of monitoring wells to obtain preliminary contamination information. Monitoring wells have been installed as follows: 34 in North Hollywood (Area #1); 29 in Crystal

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SAN FERNANDO VALLEY (AREA 1) (Continued)

1000709322

Springs (Area #2); 7 in Verdugo (Area #3); and 17 in Pollock (Area #4).

Information obtained from Phase I investigation activities identified the need for several operable units. Operable Unit is a federal term which is similar to the State's definition of a removal action.

Phase II activities consist of a basinwide remedial investigation conducted by the LADWP.

Remedial Actions (RAs):

North Hollywood (Area #1) -- Two RAs were identified for Area #1, the North Hollywood OU and the Burbank OU.

A Record of Decision (ROD) for the North Hollywood RA was signed in September 1987, selecting groundwater extraction and treatment (air stripping) of 2,000 gallons per minute (gpm) of contaminated water as an interim remedy. This RA was constructed with funding from EPA and the State and has been treating contaminated groundwater since March 1989. This facility is located at 11845 Vose Street in the N. Hollywood section of Los Angeles.

A ROD for the Burbank OU was signed in June 1989, again selecting groundwater extraction and treatment of about 12,000 gpm of contaminated water. Phase I of the Burbank OU began operations in January 1996 treating groundwater at a rate of 6,000 gpm. Phase II began operations in May 1998 adding an additional 3,000 gpm to the Burbank OU's treatment capacity.

Crystal Springs (Area #2) -- LADWP has completed a focused RI/FS for this proposed RA. The Glendale OU has been separated into a North OU and a South OU based on the amount of contamination and the facilities contributing to the GW contamination. A ROD for each OU was signed on June 18, 1993 designating groundwater extraction and treatment as the interim remedy. The PRPs have formed a group and combined the RA efforts for each OU into one document. The selected alternative is GW extraction and treatment. The Glendale OU began operations in September 2000.

Verdugo and Pollock (Areas #3 and #4) --

Currently no RAs have been identified for Area #3 or for Area #4. In October 2003 US EPA proposed No Remedial Action for Verdugo Basin (Area #3).

Another contaminant of concern, hexavalent chromium, has been identified in the San Fernando Valley Groundwater Basin.

EPA and the RWQCB are currently identifying potential sources of contamination and pursuing PRPs that may be responsible for contaminating groundwater. As these PRPs are identified, individual site investigations and mitigation activities will be pursued. Enforceable agreements and orders will be implemented at numerous specific potential source sites within the Basin by RWQCB and DTSC

Comments Date: 01011984

Comments: Groundwater contaminated with TCE and PCE is discovered.

Comments Date: 01011984

Comments: Site covers approximately 5254 acres.

Comments Date: 04141996

Comments: Consent Decree between EPA, DTSC and settling PRPs lodged

Comments Date: 04141996

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EDR ID Number
EPA ID Number

SAN FERNANDO VALLEY (AREA 1) (Continued)

1000709322

Comments: with the court. Negotiations with non-settling PRPs
Comments Date: 04141996
Comments: continue.
Comments Date: 04241994
Comments: The U.S. EPA is in the process of recovering costs from
Comments Date: 04241994
Comments: the PRPs. DOJ is pursuing the cost recovery for DTSC.
Comments Date: 04241994
Comments: The cooperative PRPs are willing to settle if they are
Comments Date: 04241994
Comments: guaranteed contribution protection from the non-settling
Comments Date: 04241994
Comments: PRPs (so that they cannot be named as a party to the
Comments Date: 04241994
Comments: suit by the non-settling PRPs). DTSC is providing
Comments Date: 04241994
Comments: documentation to DOJ (i.e. timesheets) to determine
Comments Date: 04241994
Comments: staff time charged to the project. EPA is pursuing
Comments Date: 04241994
Comments: legal action against the non-settling PRPs to recover
Comments Date: 04241994
Comments: costs of past and future oversight.
Comments Date: 05022002
Comments: EPA issues fine against Lockheed Martin for 1.37 million for
Comments Date: 05022002
Comments: Force Majeure claim on Burbank Operable Unit.
Comments Date: 05131998
Comments: 11/17/97-The phase 2 design adds an additional well (wp-180)
Comments Date: 05131998
Comments: and pipeline for extraction and treatment at the Burbank
Comments Date: 05131998
Comments: operable unit. This adds an additional 3,000 gpm to the treatmen
Comments Date: 05131998
Comments: system. Additional amendments to the design include changing the
Comments Date: 05131998
Comments: Liquid Phase Granular Activated Carbon (LPGAC) bed system from an
Comments Date: 05131998
Comments: upflow to a downflow configuration, and the addition of a LPGAC
Comments Date: 05131998
Comments: backflush filtration system for continuous backflush to the
Comments Date: 05131998
Comments: plant's storm drain discharge.
Comments Date: 05141997
Comments: The second partial consent decree to recover DTSC's past cost is
Comments Date: 05141997
Comments: signed on May 14, 1997. This also concludes the litigation for
Comments Date: 05141997
Comments: the interim remedy at the North Hollywood OU.
Comments Date: 06201997
Comments: DTSC recovers costs in accordance with the Second Partial
Comments Date: 06201997
Comments: Consent Decree for the interim remedy at the NHOU. Two
Comments Date: 06201997
Comments: additional payments are due by 5/14/98 and and 5/14/99.
Comments Date: 06241997
Comments: A second partial Consent Decree, dated June 24, 1997, requires

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAN FERNANDO VALLEY (AREA 1) (Continued)

1000709322

Comments Date: 06241997
Comments: reimbursement to the State by Lockheed-Martin of certain past
Comments Date: 06241997
Comments: costs and annual billing for future site specific response costs.
Comments Date: 08011996
Comments: The first partial consent decree is entered by the Federal
Comments Date: 08011996
Comments: District court on August 1, 1996.
Comments Date: 08171998
Comments: A second 5-year review of remedial activities is conducted at
Comments Date: 08171998
Comments: the North Hollywood OU (NHOU) and covers operations from 1993
Comments Date: 08171998
Comments: thru 1997. The purpose was to evaluate whether the NH Interim
Comments Date: 08171998
Comments: Remedy achieved the objectives specified in the ROD. The
Comments Date: 08171998
Comments: findings of the 5-year review are that the objectives of the
Comments Date: 08171998
Comments: ROD have been met.
Comments Date: 09041996
Comments: Costs are recovered by DTSC in accordance with the First
Comments Date: 09041996
Comments: Partial Consent Decree for interim remedial action at the North
Comments Date: 09041996
Comments: Hollywood OU (NHOU). An additional payment is due by 08/01/97.
Comments Date: 09202001
Comments: The facility has been operating continuously with six water
Comments Date: 09202001
Comments: supply wells on line. This past quarter approximately 175
Comments Date: 09202001
Comments: million gallons of water was treated down to non-detect levels
Comments Date: 09202001
Comments: of contamination.
Comments Date: 12191999
Comments: Negotiating new state superfund contract between U.S. EPA, DTSC,
Comments Date: 12191999
Comments: and the Los Angeles Department of Water and Power to provide for
Comments Date: 12191999
Comments: continued funding of operation and maintenance of the NHOU.
ID Name: CALSTARS CODE
ID Value: 300127
ID Name: CALSTARS CODE
ID Value: 300126
ID Name: BEP DATABASE PCODE
ID Value: P31031
Alternate Name: SAN FERNANDO VALLEY GW BASIN AREA 1
Alternate Name: NORTH HOLLYWOOD OUFs
Alternate Name: SAN FERNANDO VALLEY (AREA 1)
Alternate Name: BURBANK OU
Alternate Name: Not reported
Special Programs Code: MSCA
Special Programs Name: MULTI-SITE COOPERATIVE AGREEMENT

ROD:

Full-text of USEPA Record of Decision(s) is available from EDR.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAN FERNANDO VALLEY (AREA 1) (Continued)

1000709322

PRP name:

2L SCREEN PRINTING CO.
A-H PLATING, INC.
ACCESSORY PLATING
ADLER SCREW PRODUCTS INC.
AEROQUIP CORP.
AEROQUIP CORP.
AIRPORT GROUP INTERNATIONAL, INC.
AIRPORT GROUP INTERNATIONAL, INC.
ALLIED SIGNAL
ALLIED SIGNAL
ANTONINI FAMILY TRUST
B.J. GRINDING
BARRON ANODIZING
BASINGER B TRUST
BASINGER C TRUST
BENDIX CORP.
BENDIX CORP.
CALIFORNIA CAR HIKERS SERVICES, INC.
CALMAT CO.
CALMAT CO.
CALMAT CO.
CALMAT CO.
CEBALLOS, MR. CHUCK
CHASE, STUART
COOKE FAMILY TRUST (AMENDED)
COOKE FAMILY TRUST (AMENDED)
COOKE FAMILY TRUST (AMENDED)
CRANE COMPANY/HYDRO-AIRE DIVISION
CRANE COMPANY/HYDRO-AIRE DIVISION
DE KING SCREW PRODUCTS
DELTRON ENGINEERING
DYNAMIC PLATING, INC.
ELLISON, LEON
ERIK AND ELSE BRUUN-ANDERSEN TRUST
ERIK AND ELSE BRUUN-ANDERSEN TRUST
FLEETWOOD MACHINE PRODUCTS, INC.
FLEETWOOD MACHINE PRODUCTS, INC.
FLEETWOOD MACHINE PRODUCTS, INC.
FRANK GUERRERO
HASKEL, INC.
HAWKER PACIFIC CORPORATION
HAWKER PACIFIC CORPORATION
HAWKER PACIFIC CORPORATION
HAYWARD ASSOC, LLC
HONEYWELL INTERNATIONAL, INC.
HONEYWELL INTERNATIONAL, INC.
HONEYWELL INTERNATIONAL, INC.
HONEYWELL INTERNATIONAL, INC.
JANCO CORPORATION
JANCO CORPORATION
JOHNSON, CHAD
KAHR BEARING
KAHR BEARING
LA AGCO SALES
LAWRENCE ENGINEERING AND SUPPLY CO.
LOCKHEED AERONAUTICAL SYSTEMS
LOCKHEED AERONAUTICAL SYSTEMS

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAN FERNANDO VALLEY (AREA 1) (Continued)

1000709322

LOCKHEED AERONAUTICAL SYSTEMS
LOCKHEED AERONAUTICAL SYSTEMS
LOCKHEED AERONAUTICAL SYSTEMS

[Click this hyperlink](#) while viewing on your computer to access
45 additional PRP: record(s) in the EDR Site Report.

CONSENT:

EPA ID: CAD980894893
Site ID: Not reported
Case Title: U.S. V. ALLIED-SIGNAL, ET AL.
Court Num: 93-6490
District: California, Cent
Entered Date: 19970514
Full-text of the consent decree for this site issued by the United States District Court is available from EDR. Contact your EDR Account Executive.

FINDS:

Registry ID: 110009267961

Environmental Interest/Information System

California Department of Toxic Substances Control EnviroStor System (DTSC-EnviroStor) is an online search and Geographic Information System (GIS) tool for identifying sites that have known contamination or sites for which there may be reasons to investigate further. The EnviroStor database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites.

SUPERFUND NPL

ICIS (Integrated Compliance Information System) is the Integrated Compliance Information System and provides a database that, when complete, will contain integrated Enforcement and Compliance information across most of EPA's programs. The vision for ICIS is to replace EPA's independent databases that contain Enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions. This information is maintained in ICIS by EPA in the Regional offices and it Headquarters. A future release of ICIS will replace the Permit Compliance System (PCS) which supports the NPDES and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities occurring in the Region that support Compliance and Enforcement programs. These include; Incident Tracking, Compliance Assistance, and Compliance Monitoring.

[Click this hyperlink](#) while viewing on your computer to access
additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1000709322
Registry ID: 110009267961

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAN FERNANDO VALLEY (AREA 1) (Continued)

1000709322

DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110009267961>

CORTESE:

Region: CORTESE
Envirostor Id: 19990011
Site/Facility Type: FEDERAL SUPERFUND - LISTED
Cleanup Status: ACTIVE
Status Date: 05/15/1996
Site Code: 300126, 300173, 300287
Latitude: 34.1875
Longitude: -118.38388
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: envirostor
Order No: Not reported
Waste Discharge System No: Not reported
Effective Date: Not reported
Region 2: Not reported
WID Id: Not reported
Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported
File Name: Haz Waste & Substances Sites

B20
SSE
< 1/8
0.052 mi.
274 ft.

SWANER HARDWOOD COMPANY INC
5 WEST MAGNOLIA BLVD
BURBANK, CA 91502
Site 1 of 4 in cluster B

HIST UST **S118415886**
N/A

Relative:
Lower
Actual:
565 ft.

HIST UST:
File Number: 0002895F
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002895F.pdf>
Region: Not reported
Facility ID: Not reported
Facility Type: Not reported
Other Type: Not reported
Contact Name: Not reported
Telephone: Not reported
Owner Name: Not reported
Owner Address: Not reported
Owner City,St,Zip: Not reported
Total Tanks: Not reported

Tank Num: Not reported
Container Num: Not reported
Year Installed: Not reported
Tank Capacity: Not reported
Tank Used for: Not reported
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Not reported

[Click here for Geo Tracker PDF:](#)

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

B21
SSE
< 1/8
0.052 mi.
274 ft.

SWANER HARDWOOD CO INC
5 W MAGNOLIA BLVD
BURBANK, CA 91502

Site 2 of 4 in cluster B

Relative:
Lower

Actual:
565 ft.

RCRA-SQG
UST
SWEEPS UST
CA FID UST
FINDS
ECHO
HAZNET
LOS ANGELES CO. HMS

1000686383
CAD983636663

RCRA-SQG:

Date form received by agency: 05/05/1992
Facility name: SWANER HARDWOOD CO INC
Facility address: 5 W MAGNOLIA BLVD
BURBANK, CA 91502
EPA ID: CAD983636663
Contact: STEPHEN HAAG
Contact address: P O BOX 4200
BURBANK, CA 91502
Contact country: US
Contact telephone: 213-849-6761
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: GARY SWANER
Owner/operator address: 5 W MAGNOLIA BLVD
BURBANK, CA 91502
Owner/operator country: Not reported
Owner/operator telephone: 213-849-6761
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SWANER HARDWOOD CO INC (Continued)

1000686383

Used oil transporter: No

Violation Status: No violations found

UST:

Facility ID: 9549
Permitting Agency: BURBANK, CITY OF
Latitude: 34.182237
Longitude: -118.314537

SWEEPS UST:

Status: Active
Comp Number: 9549
Number: 1
Board Of Equalization: Not reported
Referral Date: 06-04-91
Action Date: 06-04-91
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-007-009549-000001
Tank Status: A
Capacity: 10000
Active Date: 03-12-90
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: 3

Status: Active
Comp Number: 9549
Number: 1
Board Of Equalization: Not reported
Referral Date: 06-04-91
Action Date: 06-04-91
Created Date: 06-30-89
Owner Tank Id: 1A
SWRCB Tank Id: 19-007-009549-000004
Tank Status: A
Capacity: 5000
Active Date: 06-04-91
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: Active
Comp Number: 9549
Number: 1
Board Of Equalization: Not reported
Referral Date: 06-04-91
Action Date: 06-04-91
Created Date: 06-30-89
Owner Tank Id: 1B
SWRCB Tank Id: 19-007-009549-000005
Tank Status: A
Capacity: 5000
Active Date: 06-04-91

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SWANER HARDWOOD CO INC (Continued)

1000686383

Tank Use: M.V. FUEL
STG: P
Content: DIESEL
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 9549
Number: Not reported
Board Of Equalization: Not reported
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-007-009549-000002
Tank Status: Not reported
Capacity: 8000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: REG UNLEADED
Number Of Tanks: 2

Status: Not reported
Comp Number: 9549
Number: Not reported
Board Of Equalization: Not reported
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-007-009549-000003
Tank Status: Not reported
Capacity: 3000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: LEADED
Number Of Tanks: Not reported

CA FID UST:
Facility ID: 19010682
Regulated By: UTNKA
Regulated ID: 00226969
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 2138496761
Mail To: Not reported
Mailing Address: 5 W MAGNOLIA BLVD
Mailing Address 2: Not reported
Mailing City,St,Zip: BURBANK 91502
Contact: Not reported
Contact Phone: Not reported
DUNS Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SWANER HARDWOOD CO INC (Continued)

1000686383

FINDS:

Registry ID: 110002876576

Environmental Interest/Information System

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

STATE MASTER

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1000686383
Registry ID: 110002876576
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110002876576>

HAZNET:

envid: 1000686383
Year: 2004
GEPaid: CAD983636663
Contact: KEITH SWANER
Telephone: 8189535350
Mailing Name: Not reported
Mailing Address: PO BOX 4200
Mailing City,St,Zip: BURBANK, CA 915034200
Gen County: Not reported
TSD EPA ID: WAD991281767
TSD County: Not reported
Waste Category: Laboratory waste chemicals
Disposal Method: Treatment, Incineration
Tons: 0
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: 1000686383
Year: 2003
GEPaid: CAD983636663
Contact: KEITH SWANER
Telephone: 8189535350
Mailing Name: Not reported
Mailing Address: PO BOX 4200
Mailing City,St,Zip: BURBANK, CA 915034200
Gen County: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SWANER HARDWOOD CO INC (Continued)

1000686383

TSD EPA ID: CAT080013352
TSD County: Not reported
Waste Category: Waste oil and mixed oil
Disposal Method: Recycler
Tons: 1.45
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: 1000686383
Year: 2002
GEPAID: CAD983636663
Contact: KEITH SWANER
Telephone: 8189535350
Mailing Name: Not reported
Mailing Address: PO BOX 4200
Mailing City,St,Zip: BURBANK, CA 915034200
Gen County: Not reported
TSD EPA ID: CAT080013352
TSD County: Not reported
Waste Category: Unspecified oil-containing waste
Disposal Method: Recycler
Tons: 0.58
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: 1000686383
Year: 2002
GEPAID: CAD983636663
Contact: KEITH SWANER
Telephone: 8189535350
Mailing Name: Not reported
Mailing Address: PO BOX 4200
Mailing City,St,Zip: BURBANK, CA 915034200
Gen County: Not reported
TSD EPA ID: CAT080033681
TSD County: Not reported
Waste Category: Unspecified sludge waste
Disposal Method: Disposal, Land Fill
Tons: 0.05
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: 1000686383
Year: 2000
GEPAID: CAD983636663
Contact: KEITH SWANER
Telephone: 8189535350
Mailing Name: Not reported
Mailing Address: PO BOX 4200
Mailing City,St,Zip: BURBANK, CA 915034200
Gen County: Not reported
TSD EPA ID: CAT000613893
TSD County: Not reported
Waste Category: Aqueous solution with total organic residues less than 10 percent

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SWANER HARDWOOD CO INC (Continued)

1000686383

Disposal Method: Transfer Station
Tons: 0.29
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

[Click this hyperlink](#) while viewing on your computer to access
2 additional CA_HAZNET: record(s) in the EDR Site Report.

LOS ANGELES CO. HMS:

Region: LA
Permit Category: T
Facility Id: 009714-009549
Facility Type: 0
Facility Status: Removed
Area: 3E
Permit Number: 00000885T
Permit Status: Removed

B22
SSE
< 1/8
0.052 mi.
274 ft.

SWANER HARDWOOD COMPANY, INC.
5 W MAGNOLIA BLVD
BURBANK, CA 91502

HIST UST **U001568354**
N/A

Site 3 of 4 in cluster B

Relative:
Lower
Actual:
565 ft.

HIST UST:

File Number: Not reported
URL: Not reported
Region: STATE
Facility ID: 00000000416
Facility Type: Other
Other Type: HARDWOOD LUMBER CO.
Contact Name: KEITH M. SWANER
Telephone: 2138496761
Owner Name: SWANER HARDWOOD COMPANY, INC.
Owner Address: 5 W. MAGNOLIA BLVD.
Owner City,St,Zip: BURBANK, CA 91502
Total Tanks: 0003

Tank Num: 001
Container Num: DIESEL #1
Year Installed: Not reported
Tank Capacity: 00007500
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: Not reported
Leak Detection: Visual

Tank Num: 002
Container Num: UNLEADED 2
Year Installed: Not reported
Tank Capacity: 00008000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: Not reported
Leak Detection: Visual

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SWANER HARDWOOD COMPANY, INC. (Continued)

U001568354

Tank Num: 003
Container Num: PREMIUM 3
Year Installed: Not reported
Tank Capacity: 00003000
Tank Used for: PRODUCT
Type of Fuel: PREMIUM
Container Construction Thickness: Not reported
Leak Detection: Visual

23
East
< 1/8
0.064 mi.
338 ft.

CITY UNIFORM SERV
554 N FIRST ST
BURBANK, CA 91502

DRYCLEANERS **S121699229**
N/A

Relative:
Higher

DRYCLEAN SOUTH COAST:

Actual:
593 ft.

Facility ID: 7125
Application Number: 020290
Permit Number: M06561
Status: O
Representative Name: Not reported
Representative Telephone: Not reported
Permit Status: INACTIVE
BCAT Number: 000234
BCAT Description: DRY CLEANING EQUIP PERCHLOROETHYLENE
UTM East: 0
UTM North: 0

C24
SSE
< 1/8
0.075 mi.
396 ft.

ARIES PREPARED BEEF COMPANY
17 W MAGNOLIA BLVD
BURBANK, CA 91502

LOS ANGELES CO. HMS **S104827592**
WIP **N/A**

Site 1 of 3 in cluster C

Relative:
Lower

LOS ANGELES CO. HMS:

Actual:
565 ft.

Region: LA
Permit Category: Not reported
Facility Id: 025705-035185
Facility Type: Not reported
Facility Status: OPEN
Area: 3E
Permit Number: Not reported
Permit Status: Not reported

WIP:

Region: 4
File Number: 109.6178
File Status: Historical
Staff: UNIDENTIFIED
Facility Suite: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

D25
WNW
< 1/8
0.079 mi.
416 ft.
UNI-PLATE-INC
6 WEST BURBANK BLVD
BURBANK, CA 91502
Site 1 of 10 in cluster D

HIST UST
HAZNET
S113796133
N/A

Relative:
Higher

HIST UST:

Actual:
583 ft.

File Number: 00028E82
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00028E82.pdf>
Region: Not reported
Facility ID: Not reported
Facility Type: Not reported
Other Type: Not reported
Contact Name: Not reported
Telephone: Not reported
Owner Name: Not reported
Owner Address: Not reported
Owner City,St,Zip: Not reported
Total Tanks: Not reported

Tank Num: Not reported
Container Num: Not reported
Year Installed: Not reported
Tank Capacity: Not reported
Tank Used for: Not reported
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Not reported

[Click here for Geo Tracker PDF:](#)

HAZNET:

envid: S113796133
Year: 2012
GEPaid: CAL000004439
Contact: MARK A ALVARADO/PRES
Telephone: 8188457648
Mailing Name: Not reported
Mailing Address: 6 WEST BURBANK BLVD
Mailing City,St,Zip: BURBANK, CA 915020000
Gen County: Los Angeles
TSD EPA ID: NVT330010000
TSD County: 99
Waste Category: Not reported
Disposal Method: Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)

Tons: 0.04
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: S113796133
Year: 2012
GEPaid: CAL000004439
Contact: MARK A ALVARADO/PRES
Telephone: 8188457648
Mailing Name: Not reported
Mailing Address: 6 WEST BURBANK BLVD
Mailing City,St,Zip: BURBANK, CA 915020000

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

UNI-PLATE-INC (Continued)

S113796133

Gen County: Los Angeles
TSD EPA ID: NVT330010000
TSD County: 99
Waste Category: Not reported
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery
(H010-H129) Or (H131-H135)
Tons: 0.015
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: S113796133
Year: 2012
GEPAID: CAL000004439
Contact: MARK A ALVARADO/PRES
Telephone: 8188457648
Mailing Name: Not reported
Mailing Address: 6 WEST BURBANK BLVD
Mailing City,St,Zip: BURBANK, CA 915020000
Gen County: Los Angeles
TSD EPA ID: NVD980895338
TSD County: 99
Waste Category: Not reported
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery
(H010-H129) Or (H131-H135)
Tons: 0.11
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: S113796133
Year: 2012
GEPAID: CAL000004439
Contact: MARK A ALVARADO/PRES
Telephone: 8188457648
Mailing Name: Not reported
Mailing Address: 6 WEST BURBANK BLVD
Mailing City,St,Zip: BURBANK, CA 915020000
Gen County: Los Angeles
TSD EPA ID: CAD097030993
TSD County: Los Angeles
Waste Category: Not reported
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery
(H010-H129) Or (H131-H135)
Tons: 1.0425
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: S113796133
Year: 2012
GEPAID: CAL000004439
Contact: MARK A ALVARADO/PRES
Telephone: 8188457648
Mailing Name: Not reported
Mailing Address: 6 WEST BURBANK BLVD
Mailing City,St,Zip: BURBANK, CA 915020000

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

UNI-PLATE-INC (Continued)

S113796133

Gen County: Los Angeles
TSD EPA ID: NVT330010000
TSD County: 99
Waste Category: Not reported
Disposal Method: Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons: 16.856
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

[Click this hyperlink](#) while viewing on your computer to access additional CA_HAZNET: detail in the EDR Site Report.

**D26
WNW
< 1/8
0.079 mi.
416 ft.**

**UNI-PLATE INCORPORATED
6 W. BURBANK BLVD.
BURBANK, CA 91502**

**CPS-SLIC
HIST UST
WIP**

**U001568357
N/A**

Site 2 of 10 in cluster D

**Relative:
Higher
Actual:
583 ft.**

CPS-SLIC:
Region: STATE
Facility Status: Completed - Case Closed
Status Date: 12/23/2014
Global Id: SL603798633
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number: Not reported
Latitude: 34.1843081895324
Longitude: -118.320590588529
Case Type: Cleanup Program Site
Case Worker: GJH
Local Agency: Not reported
RB Case Number: 104.1175
File Location: Not reported
Potential Media Affected: Aquifer used for drinking water supply
Potential Contaminants of Concern: Not reported
Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

HIST UST:

File Number: Not reported
URL: Not reported
Region: STATE
Facility ID: 00000050927
Facility Type: Other
Other Type: PLATING
Contact Name: PRES.
Telephone: 8188457648
Owner Name: UNI-PLATE, INC.
Owner Address: 6 WEST BURBANK BLVD.
Owner City,St,Zip: BURBANK, CA 91502
Total Tanks: 0001

Tank Num: 001
Container Num: 1A
Year Installed: 1981

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

UNI-PLATE INCORPORATED (Continued)

U001568357

Tank Capacity: 00001200
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 12
Leak Detection: Visual

WIP:

Region: 4
File Number: 104.1175
File Status: Backlog
Staff: MZAIDI
Facility Suite: Not reported

D27
WNW
< 1/8
0.079 mi.
416 ft.

UNI-PLATE
6 WEST BURBANK BLVD
BURBANK, CA 91502

SEMS 1015730692
CAN000909501

Site 3 of 10 in cluster D

Relative:
Higher

Actual:
583 ft.

SEMS:

Site ID: 909501
EPA ID: CAN000909501
Cong District: Not reported
FIPS Code: 6037
Latitude: Not reported
Longitude: Not reported
FF: N
NPL: Not on the NPL
Non NPL Status: Removal Only Site (No Site Assessment Work Needed)

SEMS Detail:

Region: 9
Site ID: 909501
EPA ID: CAN000909501
Site Name: UNI-PLATE
NPL: N
FF: N
OU: 0
Action Code: PJ
Action Name: RP EM REM
SEQ: 1
Start Date: 2012-08-14 00:00:00
Finish Date: 8/24/2012
Qual: C
Current Action Lead: EPA Ovrsght

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

D28
WNW
< 1/8
0.080 mi.
421 ft.
Site 4 of 10 in cluster D

LOS ANGELES CO. HMS
WIP
S104536276
N/A

Relative: LOS ANGELES CO. HMS:
Higher Region: LA
Permit Category: Not reported
Actual: Facility Id: 022607-031711
583 ft. Facility Type: Not reported
Facility Status: OPEN
Area: 3E
Permit Number: Not reported
Permit Status: Not reported

WIP:
Region: 4
File Number: 104.1241
File Status: **Historical**
Staff: MPS
Facility Suite: Not reported

D29
WNW
< 1/8
0.088 mi.
465 ft.
Site 5 of 10 in cluster D

LOS ANGELES CO. HMS
WIP
S104536275
N/A

Relative: LOS ANGELES CO. HMS:
Higher Region: LA
Permit Category: Not reported
Actual: Facility Id: 022606-031710
583 ft. Facility Type: Not reported
Facility Status: OPEN
Area: 3E
Permit Number: Not reported
Permit Status: Not reported

WIP:
Region: 4
File Number: 104.1196
File Status: **Historical**
Staff: MPS
Facility Suite: Not reported

E30
North
< 1/8
0.091 mi.
478 ft.
Site 1 of 8 in cluster E

HIST UST
U001568330
N/A

Relative: HIST UST:
Higher File Number: 0002878F
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002878F.pdf>
Actual: Region: STATE
607 ft. Facility ID: 00000041507

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BURBANK YD (Continued)

U001568330

Facility Type: Other
Other Type: TRANS. CO.
Contact Name: D.M. KNOSP
Telephone: 7148775830
Owner Name: SOUTHERN PACIFIC TRANSPORTATIO
Owner Address: ONE MARKET PLAZA - ROOM 1007
Owner City,St,Zip: SAN FRANCISCO, CA 94105
Total Tanks: 0001

Tank Num: 001
Container Num: 1
Year Installed: Not reported
Tank Capacity: 00001500
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Container Construction Thickness: Not reported
Leak Detection: Visual, Stock Inventor

[Click here for Geo Tracker PDF:](#)

E31
North
< 1/8
0.091 mi.
478 ft.

BURBANK YARD
4 W BURBANK BLVD
BURBANK, CA 91506

SWEEPS UST **S101583747**
CA FID UST **N/A**
LOS ANGELES CO. HMS

Site 2 of 8 in cluster E

Relative:
Higher
Actual:
607 ft.

SWEEPS UST:
Status: Active
Comp Number: 11543
Number: 9
Board Of Equalization: Not reported
Referral Date: 12-05-90
Action Date: 12-05-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-007-011543-000001
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: 1

CA FID UST:
Facility ID: 19005870
Regulated By: UTNKA
Regulated ID: 00041507
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 8180000000
Mail To: Not reported
Mailing Address: 200 MARION WAY
Mailing Address 2: Not reported
Mailing City,St,Zip: BURBANK 91506
Contact: Not reported
Contact Phone: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BURBANK YARD (Continued)

S101583747

DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

LOS ANGELES CO. HMS:

Region: LA
Permit Category: T
Facility Id: 011498-011543
Facility Type: 0
Facility Status: Removed
Area: 3E
Permit Number: 00003099T
Permit Status: Removed

D32
West
< 1/8
0.094 mi.
496 ft.

UNION AIRCRAFT COMPANY
906 N LAKE ST
BURBANK, CA 91502

LOS ANGELES CO. HMS
WIP

S104827532
N/A

Site 6 of 10 in cluster D

Relative:
Higher

LOS ANGELES CO. HMS:

Actual:
583 ft.

Region: LA
Permit Category: Not reported
Facility Id: 025773-035252
Facility Type: Not reported
Facility Status: OPEN
Area: 3E
Permit Number: Not reported
Permit Status: Not reported

WIP:

Region: 4
File Number: 109.6238
File Status: Historical
Staff: MPS
Facility Suite: Not reported

F33
West
< 1/8
0.094 mi.
498 ft.

S & H MACHINE INC.
900 N LAKE ST
BURBANK, CA 91502

WIP **S104577940**
N/A

Site 1 of 12 in cluster F

Relative:
Lower

WIP:

Actual:
580 ft.

Region: 4
File Number: 109.5948
File Status: Historical
Staff: MPS
Facility Suite: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

D34
WNW
< 1/8
0.096 mi.
505 ft.

D&W TUBE BENDING
918 N LAKE ST
BURBANK, CA 91502

LOS ANGELES CO. HMS
WIP

S104827533
N/A

Site 7 of 10 in cluster D

Relative:
Higher

LOS ANGELES CO. HMS:

Region: LA
Permit Category: Not reported
Facility Id: 025775-035254
Facility Type: Not reported
Facility Status: OPEN
Area: 3E
Permit Number: Not reported
Permit Status: Not reported

WIP:

Region: 4
File Number: 109.6242
File Status: Historical
Staff: MPS
Facility Suite: Not reported

D35
West
< 1/8
0.097 mi.
511 ft.

PACIFIC SOUTHERN SIERRA
904 N LAKE ST
BURBANK, CA 91502

WIP S106768089
N/A

Site 8 of 10 in cluster D

Relative:
Higher

WIP:

Region: 4
File Number: 109.6240
File Status: Historical
Staff: EN
Facility Suite: Not reported

D36
WNW
< 1/8
0.098 mi.
515 ft.

MARICHU INCORPORATED
20 W BURBANK BLVD
BURBANK, CA 91502

WIP S106764603
N/A

Site 9 of 10 in cluster D

Relative:
Higher

WIP:

Region: 4
File Number: 104.1220
File Status: Historical
Staff: MPW
Facility Suite: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

F37
West
< 1/8
0.102 mi.
537 ft.
KARLEE COMPANY INCORPORATED
826 N LAKE ST
BURBANK, CA 91502
Site 2 of 12 in cluster F

WIP **S106768087**
N/A

Relative: WIP:
Lower Region: 4
Actual: File Number: 109.6230
577 ft. **File Status: Historical**
Staff: MPS
Facility Suite: Not reported

B38
South
< 1/8
0.102 mi.
540 ft.
L&D MANUFACTURING CO
432 N VARNEY ST
BURBANK, CA 91502
Site 4 of 4 in cluster B

RCRA-SQG **1000123481**
FINDS **CAD982336349**
ECHO
LOS ANGELES CO. HMS

Relative: RCRA-SQG:
Lower Date form received by agency: 11/24/1987
Actual: Facility name: L&D MANUFACTURING CO
566 ft. Facility address: 432 N VARNEY ST
BURBANK, CA 91502
EPA ID: CAD982336349
Mailing address: 430 N VARNEY ST
BURBANK, CA 91502
Contact: ENVIRONMENTAL MANAGER
Contact address: 432 N VARNEY ST
BURBANK, CA 91502
Contact country: US
Contact telephone: 213-849-1316
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: FRANK DVORACEK
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported
Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

L&D MANUFACTURING CO (Continued)

1000123481

Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110057064224

Environmental Interest/Information System
STATE MASTER

Registry ID: 110002795994

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1000123481
Registry ID: 110002795994
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110002795994>

LOS ANGELES CO. HMS:

Region: LA

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

L&D MANUFACTURING CO (Continued)

1000123481

Permit Category: Not reported
Facility Id: 026032-035519
Facility Type: Not reported
Facility Status: OPEN
Area: 3E
Permit Number: Not reported
Permit Status: Not reported

G39
WSW
< 1/8
0.103 mi.
545 ft.
BURBANK WTR RECLM.PLT.
2 W. CHESTNUT ST.
BURBANK, CA 91502
Site 1 of 6 in cluster G

Notify 65 **S100178652**
N/A

Relative: NOTIFY 65:
Lower Date Reported: Not reported
Staff Initials: Not reported
Actual: Board File Number: Not reported
568 ft. Facility Type: Not reported
Discharge Date: Not reported
Issue Date: Not reported
Incident Description: Not reported

F40
West
< 1/8
0.104 mi.
550 ft.
ALLIED ENVELOPE & CONVERTING
828 N LAKE ST
BURBANK, CA 91502
Site 3 of 12 in cluster F

WIP **S106767984**
N/A

Relative: WIP:
Lower Region: 4
File Number: 109.5332
Actual: **File Status: Historical**
577 ft. Staff: MPS
Facility Suite: Not reported

H41
SE
< 1/8
0.104 mi.
550 ft.
BENKORSKI AND SILTAMAKI
350 N BONNYWOOD PL
BURBANK, CA 91502
Site 1 of 7 in cluster H

SWEEPS UST **S102056153**
LOS ANGELES CO. HMS **N/A**

Relative: SWEEPS UST:
Higher Status: Active
Comp Number: 14661
Actual: Number: 9
583 ft. Board Of Equalization: Not reported
Referral Date: 12-05-90
Action Date: 12-05-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: Not reported
Tank Status: Not reported
Capacity: Not reported
Active Date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BENKORSKI AND SILTAMAKI (Continued)

S102056153

Tank Use: Not reported
STG: Not reported
Content: Not reported
Number Of Tanks: Not reported

LOS ANGELES CO. HMS:

Region: LA
Permit Category: Not reported
Facility Id: 014148-014661
Facility Type: Not reported
Facility Status: Removed
Area: 3E
Permit Number: Not reported
Permit Status: Not reported

H42
SE
< 1/8
0.104 mi.
550 ft.

SILTAMAKI, R.W. MFG. CO.
350 N BONNYWOOD PL
BURBANK, CA 91506

HIST UST
WIP

U001568351
N/A

Site 2 of 7 in cluster H

Relative:
Higher
Actual:
583 ft.

HIST UST:
File Number: 00028648
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00028648.pdf>
Region: STATE
Facility ID: 00000047096
Facility Type: Other
Other Type: INDUSTRIAL BUILDING
Contact Name: Not reported
Telephone: 8188486500
Owner Name: SILTAMAKI AND BENKOUSKY
Owner Address: 350 N. BONNYWOOD PL.
Owner City,St,Zip: BURBANK, CA 91502
Total Tanks: 0001

Tank Num: 001
Container Num: #1
Year Installed: 1972
Tank Capacity: 00008000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: None

Click here for Geo Tracker PDF:

WIP:

Region: 4
File Number: 109.5987
File Status: Historical
Staff: ETL
Facility Suite: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

D43
WNW
< 1/8
0.105 mi.
554 ft.
1928 JEWELRY COMPANY
1000 N LAKE ST
BURBANK, CA 91504
Site 10 of 10 in cluster D

CPS-SLIC
WIP
S107257100
N/A

Relative:
Higher

CPS-SLIC:

Region:

STATE

Actual:
583 ft.

Facility Status:

Completed - Case Closed

Status Date:

12/22/2014

Global Id:

SL603798638

Lead Agency:

LOS ANGELES RWQCB (REGION 4)

Lead Agency Case Number:

Not reported

Latitude:

34.1851047406396

Longitude:

-118.320461842497

Case Type:

Cleanup Program Site

Case Worker:

GJH

Local Agency:

Not reported

RB Case Number:

104.1243

File Location:

Not reported

Potential Media Affected:

Aquifer used for drinking water supply

Potential Contaminants of Concern:

Not reported

Site History:

Not reported

[Click here to access the California GeoTracker records for this facility:](#)

WIP:

Region:

4

File Number:

104.1243

File Status:

Backlog

Staff:

UNIDENTIFIED

Facility Suite:

Not reported

F44
West
< 1/8
0.105 mi.
557 ft.
HARLAN E. RUSHING INCORPORATED
818 N LAKE ST
BURBANK, CA 91502
Site 4 of 12 in cluster F

WIP
S106768086
N/A

Relative:
Lower

WIP:

Region:

4

File Number:

109.6229

Actual:
577 ft.

File Status:

Historical

Staff:

MPS

Facility Suite:

Not reported

I45
South
< 1/8
0.107 mi.
566 ft.
THREE D PLASTICS INC
430 N VARNEY ST
BURBANK, CA 91502
Site 1 of 10 in cluster I

RCRA-SQG
FINDS
ECHO
HAZNET
NPDES
WIP
CIWQS
1000201929
CAD982336224

Relative:
Lower

RCRA-SQG:

Date form received by agency: 11/20/1987

Facility name:

THREE D PLASTICS INC

Facility address:

430 N VARNEY ST

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THREE D PLASTICS INC (Continued)

1000201929

BURBANK, CA 91502
EPA ID: CAD982336224
Contact: ENVIRONMENTAL MANAGER
Contact address: 430 N VARNEY ST
BURBANK, CA 91502
Contact country: US
Contact telephone: 213-849-1316
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: FRANK JAMES DVORACEK
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THREE D PLASTICS INC (Continued)

1000201929

Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110057064233

Environmental Interest/Information System

US National Pollutant Discharge Elimination System (NPDES) module of the Compliance Information System (ICIS) tracks surface water permits issued under the Clean Water Act. Under NPDES, all facilities that discharge pollutants from any point source into waters of the United States are required to obtain a permit. The permit will likely contain limits on what can be discharged, impose monitoring and reporting requirements, and include other provisions to ensure that the discharge does not adversely affect water quality.

STATE MASTER

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1000201929
Registry ID: 110057064233
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110057064233>

HAZNET:

envid: 1000201929
Year: 1994
GEPAID: CAD982336224
Contact: THREE D PLASTICS INC
Telephone: 2138491316
Mailing Name: Not reported
Mailing Address: 430 N VARNEY ST
Mailing City,St,Zip: BURBANK, CA 915020000
Gen County: Not reported
TSD EPA ID: CAD009522988
TSD County: Not reported
Waste Category: Waste oil and mixed oil
Disposal Method: Recycler
Tons: 2.2935
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: 1000201929
Year: 1993
GEPAID: CAD982336224
Contact: THREE D PLASTICS INC
Telephone: 2138491316
Mailing Name: Not reported
Mailing Address: 430 N VARNEY ST

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THREE D PLASTICS INC (Continued)

1000201929

Mailing City,St,Zip: BURBANK, CA 915020000
Gen County: Not reported
TSD EPA ID: CAD009522988
TSD County: Not reported
Waste Category: Waste oil and mixed oil
Disposal Method: Recycler
Tons: 3.33599999999
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

NPDES:

Npdes Number: Not reported
Facility Status: Not reported
Agency Id: Not reported
Region: 4
Regulatory Measure Id: 189119
Order No: Not reported
Regulatory Measure Type: Industrial
Place Id: Not reported
WDID: 4 19I003301
Program Type: Not reported
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: Not reported
Expiration Date Of Regulatory Measure: Not reported
Termination Date Of Regulatory Measure: Not reported
Discharge Name: Not reported
Discharge Address: Not reported
Discharge City: Not reported
Discharge State: Not reported
Discharge Zip: Not reported
RECEIVED DATE: 05/09/2008
PROCESSED DATE: 04/03/1992
STATUS CODE NAME: Active
STATUS DATE: 04/03/1992
PLACE SIZE: .79
PLACE SIZE UNIT: Acres
FACILITY CONTACT NAME: Frank Dvoracek
FACILITY CONTACT TITLE: Owner
FACILITY CONTACT PHONE: 323-849-1316
FACILITY CONTACT PHONE EXT: Not reported
FACILITY CONTACT EMAIL: frank@3dplastics.com
OPERATOR NAME: Three D Plastics L D Manufacturing Co
OPERATOR ADDRESS: 430 N Varney St
OPERATOR CITY: Burbank
OPERATOR STATE: California
OPERATOR ZIP: 91502
OPERATOR CONTACT NAME: Frank J Dvoracek
OPERATOR CONTACT TITLE: Not reported
OPERATOR CONTACT PHONE: 818-954-8453
OPERATOR CONTACT PHONE EXT: Not reported
OPERATOR CONTACT EMAIL: frank@3dplastics.com
OPERATOR TYPE: Private Business
DEVELOPER NAME: Not reported
DEVELOPER ADDRESS: Not reported
DEVELOPER CITY: Not reported
DEVELOPER STATE: California

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THREE D PLASTICS INC (Continued)

1000201929

DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	Not reported
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	N
RECEIVING WATER NAME:	Pacific Ocean
CERTIFIER NAME:	Frank Dvoracek
CERTIFIER TITLE:	Owner
CERTIFICATION DATE:	30-JUN-15
PRIMARY SIC:	2821-Plastics Material and Synthetic Resins, and Nonvulcanizable Elastomers
SECONDARY SIC:	3999-Manufacturing Industries, NEC
TERTIARY SIC:	Not reported
Npdes Number:	CAS000001
Facility Status:	Active
Agency Id:	0
Region:	4
Regulatory Measure Id:	189119
Order No:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place Id:	Not reported
WDID:	4 19I003301
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	04/03/1992
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Three D Plastics L D Manufacturing Co
Discharge Address:	430 N Varney St
Discharge City:	Burbank
Discharge State:	California
Discharge Zip:	91502
RECEIVED DATE:	Not reported
PROCESSED DATE:	Not reported
STATUS CODE NAME:	Not reported
STATUS DATE:	Not reported
PLACE SIZE:	Not reported
PLACE SIZE UNIT:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THREE D PLASTICS INC (Continued)

1000201929

FACILITY CONTACT NAME:	Not reported
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	Not reported
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	Not reported
OPERATOR NAME:	Not reported
OPERATOR ADDRESS:	Not reported
OPERATOR CITY:	Not reported
OPERATOR STATE:	Not reported
OPERATOR ZIP:	Not reported
OPERATOR CONTACT NAME:	Not reported
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	Not reported
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	Not reported
OPERATOR TYPE:	Not reported
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	Not reported
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	Not reported
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	Not reported
RECEIVING WATER NAME:	Not reported
CERTIFIER NAME:	Not reported
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	Not reported
PRIMARY SIC:	Not reported
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported

WIP:

Region:	4
File Number:	109.0863
File Status:	Historical
Staff:	KLEE
Facility Suite:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THREE D PLASTICS INC (Continued)

1000201929

Region: 4
File Number: 109.6059
File Status: Historical
Staff: MPS
Facility Suite: Not reported

CIWQS:

Agency: Three D Plastics L D Manufacturing Co
Agency Address: 430 N Varney St, Burbank, CA 91502
Place/Project Type: Industrial - Plastics Material and Synthetic Resins, and Nonvulcanizable Elastomers

SIC/NAICS: Multiple
Region: 4
Program: INDSTW
Regulatory Measure Status: Active
Regulatory Measure Type: Storm water industrial
Order Number: 2014-0057-DWQ
WDID: 4 19I003301
NPDES Number: CAS000001
Adoption Date: Not reported
Effective Date: 04/03/1992
Termination Date: Not reported
Expiration/Review Date: Not reported
Design Flow: Not reported
Major/Minor: Not reported
Complexity: Not reported
TTWQ: Not reported
Enforcement Actions within 5 years: 1
Violations within 5 years: 1
Latitude: 34.17966
Longitude: -118.31634

Agency: Dvoracek Family
Agency Address: 430 N Varney St, Burbank, CA 91502
Place/Project Type: Industrial - Plastics Material and Synthetic Resins, and Nonvulcanizable Elastomers

SIC/NAICS: 2821
Region: 4
Program: INDSTW
Regulatory Measure Status: Terminated
Regulatory Measure Type: Storm water industrial
Order Number: 2014-0057-DWQ
WDID: 4 19I020859
NPDES Number: CAS000001
Adoption Date: Not reported
Effective Date: 05/03/2007
Termination Date: 06/01/2007
Expiration/Review Date: Not reported
Design Flow: Not reported
Major/Minor: Not reported
Complexity: Not reported
TTWQ: Not reported
Enforcement Actions within 5 years: 0
Violations within 5 years: 0
Latitude: 34.17966
Longitude: -118.31634

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

H46
SE
< 1/8
0.110 mi.
583 ft.

SOLAR UNLIMITED INCORPORATED
56 E MAGNOLIA BLVD
BURBANK, CA 91502

LOS ANGELES CO. HMS
WIP

S104827585
N/A

Site 3 of 7 in cluster H

Relative:
Higher

LOS ANGELES CO. HMS:

Actual:
587 ft.

Region: LA
Permit Category: Not reported
Facility Id: 025713-035193
Facility Type: Not reported
Facility Status: OPEN
Area: 3E
Permit Number: Not reported
Permit Status: Not reported

WIP:

Region: 4
File Number: 109.6163
File Status: Historical
Staff: MPS
Facility Suite: Not reported

H47
SE
< 1/8
0.110 mi.
583 ft.

WARREN LEE
56 E MAGNOLIA BLVD
BURBANK, CA

EDR Hist Auto

1009014993
N/A

Site 4 of 7 in cluster H

Relative:
Higher

EDR Hist Auto

Actual:
587 ft.

Year: Name:
1946 WARREN LEE
1946 WARREN LEE

Type:
AUTOMOBILE REPAIRING
AUTOMOBILE REPAIRING

C48
SSE
< 1/8
0.112 mi.
589 ft.

AMERICOLD CORP.
10 W MAGNOLIA
BURBANK, CA 91502

LOS ANGELES CO. HMS
WIP

S104827590
N/A

Site 2 of 3 in cluster C

Relative:
Lower

LOS ANGELES CO. HMS:

Actual:
565 ft.

Region: LA
Permit Category: Not reported
Facility Id: 025701-035181
Facility Type: Not reported
Facility Status: OPEN
Area: 3E
Permit Number: Not reported
Permit Status: Not reported

WIP:

Region: 4
File Number: 109.6699
File Status: Historical
Staff: ACARLOS
Facility Suite: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

C49 INTL ELECTRONIC RESEARCH CORP
SSE 410 N VARNEY ST
< 1/8 BURBANK, CA 91502
0.112 mi.
590 ft. Site 3 of 3 in cluster C

HIST UST **U001568331**
EMI **N/A**

Relative:
Lower

HIST UST:

Actual:
566 ft.

File Number: 00026FBA
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00026FBA.pdf>
Region: STATE
Facility ID: 00000017537
Facility Type: Other
Other Type: MANUFACTURING
Contact Name: ELIZABETH GALVEZ
Telephone: 2138492481
Owner Name: INTERNATIONAL ELECTRONIC RESEA
Owner Address: 135 WEST MAGNOLIA BLVD.
Owner City,St,Zip: BURBANK, CA 91502
Total Tanks: 0001

Tank Num: 001
Container Num: 1
Year Installed: 1967
Tank Capacity: 00000905
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 001
Container Num: 1
Year Installed: 1967
Tank Capacity: 00000905
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: None

[Click here for Geo Tracker PDF:](#)

EMI:

Year: 1993
County Code: 19
Air Basin: SC
Facility ID: 1732
Air District Name: SC
SIC Code: 3679
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Year: 1995

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

INTL ELECTRONIC RESEARCH CORP (Continued)

U001568331

County Code: 19
Air Basin: SC
Facility ID: 1732
Air District Name: SC
SIC Code: 3679
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

Year: 1996
County Code: 19
Air Basin: SC
Facility ID: 1732
Air District Name: SC
SIC Code: 3679
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

150
South
< 1/8
0.112 mi.
594 ft.

COWAN PRECISION GRINDING
424 N VARNEY ST
BURBANK, CA 91502
Site 2 of 10 in cluster I

WIP S104828102
N/A

Relative:
Lower

WIP:
Region: 4
File Number: 109.6269
File Status: Historical
Staff: WS
Facility Suite: Not reported

Actual:
567 ft.

E51
North
< 1/8
0.113 mi.
596 ft.

FRIEND S AUTOMOTIVE SERVICE
109 E BURBANK BLVD
BURBANK, CA
Site 3 of 8 in cluster E

EDR Hist Auto 1009013876
N/A

Relative:
Higher

EDR Hist Auto

Actual:
612 ft.

Year: Name:
1952 FRIEND S AUTOMOTIVE SERVICE

Type:
AUTOMOBILE REPAIRING

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FRIEND S AUTOMOTIVE SERVICE (Continued)

1009013876

1952 FRIEND S AUTOMOTIVE SERVICE

AUTOMOBILE REPAIRING

G52
WSW
< 1/8
0.113 mi.
596 ft.

VER SALES INCORPORATED
810 N LAKE ST
BURBANK, CA 91502

Site 2 of 6 in cluster G

Relative:
Lower
Actual:
575 ft.

WIP:
Region: 4
File Number: 109.6228
File Status: Historical
Staff: MPS
Facility Suite: Not reported

WIP S106768085
N/A

H53
ESE
< 1/8
0.114 mi.
600 ft.

CASPINO CO.
64 E MAGNOLIA BLVD
BURBANK, CA 91502

Site 5 of 7 in cluster H

Relative:
Higher
Actual:
589 ft.

WIP:
Region: 4
File Number: 109.5274
File Status: Historical
Staff: MPS
Facility Suite: Not reported

WIP S106767980
N/A

F54
West
< 1/8
0.116 mi.
611 ft.

PATTERSON GRAPHICS CORP
903 N LAKE ST
BURBANK, CA 91502

Site 5 of 12 in cluster F

Relative:
Higher
Actual:
582 ft.

WIP:
Region: 4
File Number: 109.5827
File Status: Historical
Staff: MPS
Facility Suite: Not reported

WIP S104827531
N/A

I55
South
< 1/8
0.117 mi.
616 ft.

RESERVAIR STAR FIRE EXTINGUISH
422 N VARNEY ST
BURBANK, CA 91502

Site 3 of 10 in cluster I

Relative:
Lower
Actual:
567 ft.

WIP:
Region: 4
File Number: 109.5542
File Status: Historical
Staff: YRONG
Facility Suite: Not reported

WIP S106768007
N/A

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

	Site	Database(s)	EDR ID Number EPA ID Number
56 ESE < 1/8 0.119 mi. 626 ft.	MC MASTER B A 5 E MAGNOLIA BLVD BURBANK, CA	EDR Hist Auto	1009013511 N/A
Relative: Higher	EDR Hist Auto		
Actual: 593 ft.	Year: Name: 1942 MC MASTER B A 1942 MC MASTER B A	Type: GASOLINE AND OIL SERVICE STATIONS GASOLINE AND OIL SERVICE STATIONS	

I57 South < 1/8 0.119 mi. 627 ft.	GAMUT ENGINEERING CORP. 420 N VARNEY ST BURBANK, CA 91502	WIP	1000428585 N/A
Relative: Lower	Site 4 of 10 in cluster I WIP: Region: 4 File Number: 109.5467 File Status: Historical Staff: MBAIADY Facility Suite: Not reported		
Actual: 567 ft.			

F58 West < 1/8 0.119 mi. 628 ft.	COLOR MASTERS PRINTING 901 N LAKE ST BURBANK, CA 91502	WIP	S100623094 N/A
Relative: Higher	Site 6 of 12 in cluster F WIP: Region: 4 File Number: 109.6089 File Status: Historical Staff: MPW Facility Suite: Not reported		
Actual: 582 ft.			

I59 SSE < 1/8 0.119 mi. 630 ft.	COATING FACILITY 410 N VARNEY ST BURBANK, CA 91502	HIST UST	U001568332 N/A
Relative: Lower	Site 5 of 10 in cluster I HIST UST: File Number: Not reported URL: Not reported Region: STATE Facility ID: 00000064190 Facility Type: Other Other Type: MANUFACTURING Contact Name: E. GALVEZ Telephone: 2138492481 Owner Name: INTERNATIONAL ELECTRONIC RESEA Owner Address: 135 W. MAGNOLIA BLVD. Owner City,St,Zip: BURBANK, CA 915107704 Total Tanks: 0001		
Actual: 566 ft.			

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

COATING FACILITY (Continued)

U001568332

Tank Num: 001
Container Num: 2
Year Installed: 1967
Tank Capacity: 00000045
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: None

G60
WSW
< 1/8
0.120 mi.
634 ft.

MARK SMITH CO.
800 N LAKE ST
BURBANK, CA 91502
Site 3 of 6 in cluster G

WIP S106768084
N/A

Relative:
Lower

WIP:
Region: 4
File Number: 109.6227
File Status: Historical
Staff: LM
Facility Suite: Not reported

Actual:
574 ft.

F61
West
< 1/8
0.120 mi.
635 ft.

G P C
831 N LAKE ST #3
BURBANK, CA 90502
Site 7 of 12 in cluster F

LOS ANGELES CO. HMS S104827530
WIP N/A

Relative:
Higher

LOS ANGELES CO. HMS:
Region: LA
Permit Category: Not reported
Facility Id: 025768-035248
Facility Type: Not reported
Facility Status: OPEN
Area: 3E
Permit Number: Not reported
Permit Status: Not reported

Actual:
582 ft.

WIP:
Region: 4
File Number: 109.6071
File Status: Historical
Staff: MPS
Facility Suite: Not reported

Region: 4
File Number: 109.5789
File Status: Historical
Staff: MPS
Facility Suite: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

I62
South
< 1/8
0.122 mi.
643 ft.

ORO AMERICA INC
443 N VARNEY ST
BURBANK, CA 91502

Site 6 of 10 in cluster I

RCRA-SQG
CPS-SLIC
EMI
HAZNET
LOS ANGELES CO. HMS
WIP
1000101844
CAD981427941

Relative:
Lower

Actual:
569 ft.

RCRA-SQG:

Date form received by agency: 09/01/1996
Facility name: ORO AMERICA INC
Facility address: 443 N VARNEY ST
BURBANK, CA 91502
EPA ID: CAD981427941
Mailing address: PO BOX 7340
BURBANK, CA 91510
Contact: Not reported
Contact address: Not reported
Not reported
Contact country: US
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: G BENHMOU AND G PROIA
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ORO AMERICA INC (Continued)

1000101844

Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 09/01/1996
Site name: ORO AMERICA INC
Classification: Small Quantity Generator

Date form received by agency: 07/25/1986
Site name: ORO AMERICA INC
Classification: Large Quantity Generator

Violation Status: No violations found

CPS-SLIC:

Region: STATE
Facility Status: Completed - Case Closed
Status Date: 12/22/2014
Global Id: SL603798989
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number: Not reported
Latitude: 34.180824
Longitude: -118.316401
Case Type: Cleanup Program Site
Case Worker: GJH
Local Agency: Not reported
RB Case Number: 109.5985
File Location: Not reported
Potential Media Affected: Aquifer used for drinking water supply
Potential Contaminants of Concern: Not reported
Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

EMI:

Year: 1990
County Code: 19
Air Basin: SC
Facility ID: 55473
Air District Name: SC
SIC Code: 3911
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 3

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ORO AMERICA INC (Continued)

1000101844

Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

Year: 1995
County Code: 19
Air Basin: SC
Facility ID: 55473
Air District Name: SC
SIC Code: 3911
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 97
Part. Matter 10 Micrometers and Smllr Tons/Yr:68

HAZNET:

envid: 1000101844
Year: 2006
GEPAID: CAD981427941
Contact: JOHN GOLDMAN
Telephone: 8188485555
Mailing Name: Not reported
Mailing Address: 443 N VARNEY ST
Mailing City,St,Zip: BURBANK, CA 915021733
Gen County: Not reported
TSD EPA ID: WAD991281767
TSD County: Not reported
Waste Category: Laboratory waste chemicals
Disposal Method: Treatment, Incineration
Tons: 0.12
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: 1000101844
Year: 2006
GEPAID: CAD981427941
Contact: JOHN GOLDMAN
Telephone: 8188485555
Mailing Name: Not reported
Mailing Address: 443 N VARNEY ST
Mailing City,St,Zip: BURBANK, CA 915021733
Gen County: Not reported
TSD EPA ID: TXD077603371
TSD County: Not reported
Waste Category: Unspecified aqueous solution
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery
(H010-H129) Or (H131-H135)

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ORO AMERICA INC (Continued)

1000101844

Tons: 0.2
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: 1000101844
Year: 2005
GEPAID: CAD981427941
Contact: JOHN GOLDMAN
Telephone: 8188485555
Mailing Name: Not reported
Mailing Address: 443 N VARNEY ST
Mailing City,St,Zip: BURBANK, CA 915021733
Gen County: Not reported
TSD EPA ID: NVD980895338
TSD County: Not reported
Waste Category: Laboratory waste chemicals
Disposal Method: Treatment, Incineration
Tons: 0.12
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: 1000101844
Year: 2005
GEPAID: CAD981427941
Contact: JOHN GOLDMAN
Telephone: 8188485555
Mailing Name: Not reported
Mailing Address: 443 N VARNEY ST
Mailing City,St,Zip: BURBANK, CA 915021733
Gen County: Not reported
TSD EPA ID: WAD991281767
TSD County: Not reported
Waste Category: Laboratory waste chemicals
Disposal Method: Not reported
Tons: 0.12
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: 1000101844
Year: 2004
GEPAID: CAD981427941
Contact: JOHN GOLDMAN
Telephone: 8188485555
Mailing Name: Not reported
Mailing Address: 443 N VARNEY ST
Mailing City,St,Zip: BURBANK, CA 915021733
Gen County: Not reported
TSD EPA ID: CAT080013352
TSD County: Not reported
Waste Category: Aqueous solution with total organic residues 10 percent or more
Disposal Method: Recycler
Tons: 0.35
Cat Decode: Not reported
Method Decode: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ORO AMERICA INC (Continued)

1000101844

Facility County: Los Angeles

[Click this hyperlink](#) while viewing on your computer to access
61 additional CA_HAZNET: record(s) in the EDR Site Report.

LOS ANGELES CO. HMS:

Region: LA
Permit Category: Not reported
Facility Id: 026034-035521
Facility Type: Not reported
Facility Status: OPEN
Area: 3E
Permit Number: Not reported
Permit Status: Not reported

WIP:

Region: 4
File Number: 109.5985
File Status: Active
Staff: AHSU
Facility Suite: Not reported

F63
West
< 1/8
0.123 mi.
652 ft.

CREATIONS
825 N LAKE ST #A
BURBANK, CA 91502

CPS-SLIC **S103959080**
LOS ANGELES CO. HMS **N/A**
WIP

Site 8 of 12 in cluster F

Relative:
Lower

Actual:
581 ft.

CPS-SLIC:
Region: STATE
Facility Status: Completed - Case Closed
Status Date: 01/30/1997
Global Id: SL603799000
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number: Not reported
Latitude: 34.182332
Longitude: -118.318615
Case Type: Cleanup Program Site
Case Worker: GJH
Local Agency: Not reported
RB Case Number: 109.6587
File Location: Not reported
Potential Media Affected: Aquifer used for drinking water supply
Potential Contaminants of Concern: Not reported
Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

LOS ANGELES CO. HMS:

Region: LA
Permit Category: Not reported
Facility Id: 025766-035245
Facility Type: Not reported
Facility Status: OPEN
Area: 3E
Permit Number: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CREATIONS (Continued)

S103959080

Permit Status: Not reported

WIP:

Region: 4
File Number: 109.5803
File Status: Historical
Staff: MPS
Facility Suite: Not reported

Region: 4
File Number: 109.6587
File Status: Backlog
Staff: UNIDENTIFIED
Facility Suite: Not reported

I64
SSE
< 1/8
0.124 mi.
656 ft.

G.R.MCCORMICK ENG. & MFG. INC.
416 N VARNEY ST
BURBANK, CA 91502

LOS ANGELES CO. HMS
WIP

1000123826
N/A

Site 7 of 10 in cluster I

Relative:
Lower

LOS ANGELES CO. HMS:

Actual:
566 ft.

Region: LA
Permit Category: Not reported
Facility Id: 026008-035494
Facility Type: Not reported
Facility Status: OPEN
Area: 3E
Permit Number: Not reported
Permit Status: Not reported

WIP:

Region: 4
File Number: 109.5719
File Status: Historical
Staff: MPS
Facility Suite: Not reported

I65
South
< 1/8
0.124 mi.
656 ft.

THREE D PLASTICS INC
440 N VARNEY ST
BURBANK, CA 91502

RCRA-SQG
FINDS
ECHO
HAZNET

1000201928
CAD982336208

Site 8 of 10 in cluster I

Relative:
Lower

RCRA-SQG:

Actual:
567 ft.

Date form received by agency: 11/20/1987
Facility name: THREE D PLASTICS INC
Facility address: 440 N VARNEY ST
BURBANK, CA 91502
EPA ID: CAD982336208
Mailing address: 430 N VARNEY ST
BURBANK, CA 91502
Contact: ENVIRONMENTAL MANAGER
Contact address: 440 N VARNEY ST
BURBANK, CA 91502

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THREE D PLASTICS INC (Continued)

1000201928

Contact country: US
Contact telephone: 213-849-1316
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: FRANK JAMES DVORACEK
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THREE D PLASTICS INC (Continued)

1000201928

FINDS:

Registry ID: 110002795958

Environmental Interest/Information System

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

STATE MASTER

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1000201928
Registry ID: 110002795958
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110002795958>

HAZNET:

envid: 1000201928
Year: 2009
GEPaid: CAD982336208
Contact: KATHY TRUMBO/ SEC TREAS
Telephone: 8189548453
Mailing Name: Not reported
Mailing Address: 430 N VARNEY ST
Mailing City,St,Zip: BURBANK, CA 915021732
Gen County: Not reported
TSD EPA ID: CAT080013352
TSD County: Not reported
Waste Category: Waste oil and mixed oil
Disposal Method: Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 2.47
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: 1000201928
Year: 2007
GEPaid: CAD982336208
Contact: KATHY TRUMBO/ SEC TREAS
Telephone: 8189548453
Mailing Name: Not reported
Mailing Address: 430 N VARNEY ST
Mailing City,St,Zip: BURBANK, CA 915021732

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THREE D PLASTICS INC (Continued)

1000201928

Gen County: Not reported
TSD EPA ID: CAT080013352
TSD County: Not reported
Waste Category: Waste oil and mixed oil
Disposal Method: Other Recovery Of Reclamation For Reuse Including Acid Regeneration,
Organics Recovery Ect
Tons: 0.76
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: 1000201928
Year: 2007
GEPAID: CAD982336208
Contact: KATHY TRUMBO/ SEC TREAS
Telephone: 8189548453
Mailing Name: Not reported
Mailing Address: 430 N VARNEY ST
Mailing City,St,Zip: BURBANK, CA 915021732
Gen County: Not reported
TSD EPA ID: CAT080013352
TSD County: Not reported
Waste Category: Oil/water separation sludge
Disposal Method: Other Recovery Of Reclamation For Reuse Including Acid Regeneration,
Organics Recovery Ect
Tons: 1.56
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: 1000201928
Year: 2005
GEPAID: CAD982336208
Contact: KATHY TRUMBO/ SEC TREAS
Telephone: 8189548453
Mailing Name: Not reported
Mailing Address: 430 N VARNEY ST
Mailing City,St,Zip: BURBANK, CA 915021732
Gen County: Not reported
TSD EPA ID: NVT330010000
TSD County: Not reported
Waste Category: Other organic solids
Disposal Method: Disposal, Land Fill
Tons: 0.84
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: 1000201928
Year: 2005
GEPAID: CAD982336208
Contact: KATHY TRUMBO/ SEC TREAS
Telephone: 8189548453
Mailing Name: Not reported
Mailing Address: 430 N VARNEY ST
Mailing City,St,Zip: BURBANK, CA 915021732
Gen County: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THREE D PLASTICS INC (Continued)

1000201928

TSD EPA ID: CAT080013352
TSD County: Not reported
Waste Category: Waste oil and mixed oil
Disposal Method: Recycler
Tons: 2.5
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

[Click this hyperlink](#) while viewing on your computer to access
19 additional CA_HAZNET: record(s) in the EDR Site Report.

F66
West
1/8-1/4
0.128 mi.
677 ft.

PACIFIC SOUTHERN SIERRA
821 N LAKE ST
BURBANK, CA 91502

WIP **S107677826**
N/A

Site 9 of 12 in cluster F

Relative:
Lower

WIP:
Region: 4
File Number: 109.6234
File Status: Historical
Staff: EN
Facility Suite: Not reported

Actual:
580 ft.

J67
WNW
1/8-1/4
0.129 mi.
680 ft.

CARRIER CORPORATION
1020 N LAKE
BURBANK, CA 91506

RCRA-SQG **1000361773**
FINDS **CAD982483794**
ECHO
HAZNET

Site 1 of 9 in cluster J

Relative:
Higher

RCRA-SQG:
Date form received by agency: 03/14/1990
Facility name: CARRIER CORPORATION
Facility address: 1020 N LAKE
BURBANK, CA 91506
EPA ID: CAD982483794
Contact: ENVIRONMENTAL MANAGER
Contact address: 1020 N LAKE
BURBANK, CA 91506
Contact country: US
Contact telephone: 818-483-3533
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Actual:
587 ft.

Owner/Operator Summary:
Owner/operator name: CARRIER CORP
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CARRIER CORPORATION (Continued)

1000361773

Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999

Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002826586

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CARRIER CORPORATION (Continued)

1000361773

ECHO:

Envid: 1000361773
Registry ID: 110002826586
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110002826586>

HAZNET:

envid: 1000361773
Year: 1994
GEPAID: CAD982483794
Contact: Not reported
Telephone: 0000000000
Mailing Name: Not reported
Mailing Address: 17900 E AJAX CIRCLE
Mailing City,St,Zip: CITY OF INDUSTRY, CA 917480000
Gen County: Not reported
TSD EPA ID: CAD008302903
TSD County: Not reported
Waste Category: Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)
Disposal Method: Recycler
Tons: 1.0425
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: 1000361773
Year: 1994
GEPAID: CAD982483794
Contact: Not reported
Telephone: 0000000000
Mailing Name: Not reported
Mailing Address: 17900 E AJAX CIRCLE
Mailing City,St,Zip: CITY OF INDUSTRY, CA 917480000
Gen County: Not reported
TSD EPA ID: CAD008302903
TSD County: Not reported
Waste Category: Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)
Disposal Method: Not reported
Tons: 10.0330
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: 1000361773
Year: 1993
GEPAID: CAD982483794
Contact: Not reported
Telephone: 0000000000
Mailing Name: Not reported
Mailing Address: 17900 E AJAX CIRCLE
Mailing City,St,Zip: CITY OF INDUSTRY, CA 917480000
Gen County: Not reported
TSD EPA ID: CAD008302903
TSD County: Not reported
Waste Category: Halogenated solvents (chloroforms, methyl chloride, perchloroethylene,

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CARRIER CORPORATION (Continued)

1000361773

etc)
Disposal Method: Recycler
Tons: 5.21229999999
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: 1000361773
Year: 1993
GEPAID: CAD982483794
Contact: Not reported
Telephone: 0000000000
Mailing Name: Not reported
Mailing Address: 17900 E AJAX CIRCLE
Mailing City,St,Zip: CITY OF INDUSTRY, CA 917480000
Gen County: Not reported
TSD EPA ID: CAD008302903
TSD County: Not reported
Waste Category: Waste oil and mixed oil
Disposal Method: Recycler
Tons: 0.83399999999
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

**H68
SE
1/8-1/4
0.131 mi.
693 ft.**

**PLASTI-GRAPH PRODUCTS
350 BONNYWOOD PL
BURBANK, CA 91502**

**WIP S106768036
N/A**

Site 6 of 7 in cluster H

**Relative:
Higher
Actual:
582 ft.**

WIP:
Region: 4
File Number: 109.5852
File Status: Historical
Staff: ETL
Facility Suite: Not reported

**F69
WSW
1/8-1/4
0.132 mi.
698 ft.**

**VIACOM PRODUCTIONS
817 N LAKE ST
BURBANK, CA 91502**

**WIP S102805860
N/A**

Site 10 of 12 in cluster F

**Relative:
Lower
Actual:
580 ft.**

WIP:
Region: 4
File Number: 109.6231
File Status: Historical
Staff: MPS
Facility Suite: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

E70
North
1/8-1/4
0.132 mi.
699 ft.
CHUCK MERCIER'S UNION 76
901 N SAN FERNANDO BLVD
BURBANK, CA 91504
Site 4 of 8 in cluster E

UST **U003776426**
N/A

Relative:
Higher

UST:

Actual:
615 ft.

Facility ID: 9981
Permitting Agency: BURBANK, CITY OF
Latitude: 34.1875744
Longitude: -118.3153306

Facility ID: 00496
Permitting Agency: Los Angeles County Fire Department
Latitude: 34.18623
Longitude: -118.31657

E71
North
1/8-1/4
0.132 mi.
699 ft.
CHUCK MERCIER UNOCAL
901 N SAN FERNANDO BLVD
BURBANK, CA 91502
Site 5 of 8 in cluster E

SWEEPS UST **S101585375**
CA FID UST **N/A**

Relative:
Higher

SWEEPS UST:

Actual:
615 ft.

Status: Active
Comp Number: 9810
Number: 1
Board Of Equalization: Not reported
Referral Date: 06-05-91
Action Date: 06-05-91
Created Date: 06-05-91
Owner Tank Id: Not reported
SWRCB Tank Id: 19-007-009810-000001
Tank Status: A
Capacity: 500
Active Date: 06-05-91
Tank Use: OIL
STG: W
Content: WASTE OIL
Number Of Tanks: 3

Status: Active
Comp Number: 9810
Number: 1
Board Of Equalization: Not reported
Referral Date: 06-05-91
Action Date: 06-05-91
Created Date: 06-05-91
Owner Tank Id: Not reported
SWRCB Tank Id: 19-007-009810-000002
Tank Status: A
Capacity: 9950
Active Date: 06-05-91
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: Active
Comp Number: 9810

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHUCK MERCIER UNOCAL (Continued)

S101585375

Number: 1
Board Of Equalization: Not reported
Referral Date: 06-05-91
Action Date: 06-05-91
Created Date: 06-05-91
Owner Tank Id: Not reported
SWRCB Tank Id: 19-007-009810-000003
Tank Status: A
Capacity: 9950
Active Date: 06-05-91
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

CA FID UST:

Facility ID: 19023133
Regulated By: UTNKA
Regulated ID: Not reported
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: Not reported
Mail To: Not reported
Mailing Address: 12200 SYLVAN
Mailing Address 2: Not reported
Mailing City,St,Zip: BURBANK 91502
Contact: Not reported
Contact Phone: Not reported
DUNS Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

E72
North
1/8-1/4
0.132 mi.
699 ft.

UNION OIL SERVICE STATION #247
901 N SAN FERNANDO BLVD
BURBANK, CA 91504

HIST UST 1000166650
N/A

Site 6 of 8 in cluster E

Relative:
Higher
Actual:
615 ft.

HIST UST:
File Number: Not reported
URL: Not reported
Region: STATE
Facility ID: 00000056082
Facility Type: Gas Station
Other Type: Not reported
Contact Name: CHARLES E. MERCIER
Telephone: 8188489795
Owner Name: UNION OIL COMPANY OF CALIFORNI
Owner Address: 3701 WILSHIRE BOULEVARD-SUITE
Owner City,St,Zip: LOS ANGELES, CA 90010
Total Tanks: 0001

Tank Num: 001
Container Num: 2477-00
Year Installed: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

UNION OIL SERVICE STATION #247 (Continued)

1000166650

Tank Capacity: 00000000
Tank Used for: WASTE
Type of Fuel: 06
Container Construction Thickness: Not reported
Leak Detection: None

E73
North
1/8-1/4
0.132 mi.
699 ft.

SERVICE STATION 2477
901 N SAN FERNANDO BLVD
BURBANK, CA 91504

HIST UST **U001568382**
N/A

Site 7 of 8 in cluster E

Relative:
Higher

HIST UST:

Actual:
615 ft.

File Number: Not reported
URL: Not reported
Region: STATE
Facility ID: 00000029319
Facility Type: Gas Station
Other Type: Not reported
Contact Name: CHARLES E MERCIER
Telephone: 8188489795
Owner Name: UNION OIL COMPANY OF CALIFORNIA
Owner Address: 3701 WILSHIRE BOULEVARD-SUITE
Owner City,St,Zip: LOS ANGELES, CA 90010
Total Tanks: 0003

Tank Num: 001
Container Num: 2477-1
Year Installed: 1973
Tank Capacity: 00009950
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor, Pressure Test

Tank Num: 002
Container Num: 2477-2
Year Installed: 1973
Tank Capacity: 00009950
Tank Used for: PRODUCT
Type of Fuel: PREMIUM
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor, Pressure Test

Tank Num: 003
Container Num: 2477-4
Year Installed: 73
Tank Capacity: 00000550
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor, Pressure Test

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

G74
SW
1/8-1/4
0.137 mi.
724 ft.
TRUSSELL COMPANY INCORPORATED
732 N LAKE ST
BURBANK, CA 91502
Site 4 of 6 in cluster G

WIP **S106768083**
N/A

Relative: WIP:
Lower Region: 4
File Number: 109.6226
Actual: **File Status:** **Historical**
574 ft. Staff: MPS
Facility Suite: Not reported

K75
WNW
1/8-1/4
0.138 mi.
726 ft.
RASMUSSEN'S GARAGE
110 W BURBANK BLVD
BURBANK, CA 91502
Site 1 of 4 in cluster K

LOS ANGELES CO. HMS **S104536280**
WIP **N/A**

Relative: LOS ANGELES CO. HMS:
Higher Region: LA
Permit Category: Not reported
Actual: Facility Id: 022612-031717
585 ft. Facility Type: Not reported
Facility Status: OPEN
Area: 3E
Permit Number: Not reported
Permit Status: Not reported

WIP:
Region: 4
File Number: 104.0916
File Status: **Historical**
Staff: MPS
Facility Suite: Not reported

K76
WNW
1/8-1/4
0.138 mi.
727 ft.
R.C. MERCER FILM PATCH
106 W BURBANK BLVD
BURBANK, CA 91502
Site 2 of 4 in cluster K

WIP **S106089857**
N/A

Relative: WIP:
Higher Region: 4
File Number: 104.0907
Actual: **File Status:** **Historical**
585 ft. Staff: MPS
Facility Suite: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

F77
West
1/8-1/4
0.138 mi.
730 ft.

AGFA DIVISION BAYER CORP
914 NORTH VICTORY BLVD.
BURBANK, CA 91502

RCRA-SQG

1000142592
CAD981461767

Site 11 of 12 in cluster F

Relative:
Higher

RCRA-SQG:

Actual:
584 ft.

Date form received by agency: 02/29/1996
Facility name: AGFA DIVISION BAYER CORP
Site name: AGFA DIVISION OF BAYER
Facility address: 914 NORTH VICTORY BLVD.
BURBANK, CA 91502-1632
EPA ID: CAD981461767
Mailing address: 3800 VANOWEN STREET
BURBANK, CA 91505
Contact: WILLIAM BOSMANN
Contact address: Not reported
Not reported
Contact country: US
Contact telephone: 201-440-2500
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 05/08/1995
Site name: AGFA DIVISION BAYER CORP
Classification: Small Quantity Generator

Date form received by agency: 02/27/1992
Site name: AGFA DIVISION OF MILES INCORPORATED
Classification: Large Quantity Generator

Violation Status: No violations found

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

F78
West
1/8-1/4
0.138 mi.
730 ft.
HORIZON PRODUCTIONS INC
914 N VICTORY BLVD
BURBANK, CA 91502
Site 12 of 12 in cluster F

CPS-SLIC
HAZNET
WIP
S106484777
N/A

Relative:
Higher

CPS-SLIC:

Actual:
584 ft.

Region: STATE
Facility Status: Completed - Case Closed
Status Date: 12/22/2014
Global Id: SL603798981
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number: Not reported
Latitude: 34.183723
Longitude: -118.320729
Case Type: Cleanup Program Site
Case Worker: GJH
Local Agency: Not reported
RB Case Number: 109.5045
File Location: Not reported
Potential Media Affected: Aquifer used for drinking water supply
Potential Contaminants of Concern: Not reported
Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

HAZNET:

envid: S106484777
Year: 2016
GEPAID: CAL000405120
Contact: MONICA KLIMCZAK
Telephone: 8188488787
Mailing Name: Not reported
Mailing Address: 914 N VICTORY BLVD
Mailing City,St,Zip: BURBANK, CA 91502
Gen County: Los Angeles
TSD EPA ID: CAD044429835
TSD County: Los Angeles
Waste Category: Other organic solids
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.15
Cat Decode: Other organic solids
Method Decode: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County: Los Angeles

envid: S106484777
Year: 2016
GEPAID: CAL000405120
Contact: MONICA KLIMCZAK
Telephone: 8188488787
Mailing Name: Not reported
Mailing Address: 914 N VICTORY BLVD
Mailing City,St,Zip: BURBANK, CA 91502
Gen County: Los Angeles
TSD EPA ID: UTD991301748
TSD County: 99
Waste Category: Latex waste

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HORIZON PRODUCTIONS INC (Continued)

S106484777

Disposal Method: Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons: 0.3
Cat Decode: Latex waste
Method Decode: Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Facility County: Los Angeles

envid: S106484777
Year: 2015
GEPAID: CAL000405120
Contact: BEN WESTON
Telephone: 8188488787
Mailing Name: Not reported
Mailing Address: 914 N VICTORY BLVD
Mailing City,St,Zip: BURBANK, CA 91502
Gen County: Los Angeles
TSD EPA ID: UTD991301748
TSD County: 99
Waste Category: Latex waste
Disposal Method: Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons: 0.325
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

WIP:
Region: 4
File Number: 109.5045
File Status: Backlog
Staff: UNIDENTIFIED
Facility Suite: Not reported

G79
SW
1/8-1/4
0.140 mi.
739 ft.
PC NEWS AGENCY
728 N LAKE ST
BURBANK, CA 91502
Site 5 of 6 in cluster G

WIP **S106768082**
N/A

Relative:
Lower
Actual:
574 ft.
WIP:
Region: 4
File Number: 109.6225
File Status: Historical
Staff: UNIDENTIFIED
Facility Suite: A

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

G80
SW
1/8-1/4
0.141 mi.
743 ft.
MARK HINES COMPANY
724 N LAKE ST
BURBANK, CA 91502
Site 6 of 6 in cluster G

WIP **S103670467**
N/A

Relative: WIP:
Lower Region: 4
Actual: File Number: 109.6224
573 ft. **File Status:** **Historical**
Staff: MPS
Facility Suite: Not reported

L81
SSW
1/8-1/4
0.141 mi.
743 ft.
BURBANK ENGRAVERS INC.
120 W CYPRESS AVE
BURBANK, CA 91502
Site 1 of 4 in cluster L

WIP **S106767971**
N/A

Relative: WIP:
Lower Region: 4
Actual: File Number: 109.5217
572 ft. **File Status:** **Historical**
Staff: MPS
Facility Suite: Not reported

E82
North
1/8-1/4
0.141 mi.
745 ft.
SERVICE STATION 2477
901 N SAN FERNANDO ROAD
BURBANK, CA 91504
Site 8 of 8 in cluster E

HIST UST **S113008820**
HAZNET **N/A**

Relative: HIST UST:
Higher File Number: 00028342
Actual: URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00028342.pdf>
617 ft. Region: Not reported
Facility ID: Not reported
Facility Type: Not reported
Other Type: Not reported
Contact Name: Not reported
Telephone: Not reported
Owner Name: Not reported
Owner Address: Not reported
Owner City,St,Zip: Not reported
Total Tanks: Not reported

Tank Num: Not reported
Container Num: Not reported
Year Installed: Not reported
Tank Capacity: Not reported
Tank Used for: Not reported
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Not reported

Tank Num: Not reported
Container Num: Not reported
Year Installed: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SERVICE STATION 2477 (Continued)

S113008820

Tank Capacity: Not reported
Tank Used for: Not reported
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Not reported

[Click here for Geo Tracker PDF:](#)

HAZNET:

envid: S113008820
Year: 1997
GEPaid: CAD981645070
Contact: UNION OIL COMPANY OF CALIFORNIA
Telephone: 7144286560
Mailing Name: Not reported
Mailing Address: PO BOX 25376
Mailing City,St,Zip: SANTA ANA, CA 927995376
Gen County: Not reported
TSD EPA ID: CAD028409019
TSD County: Not reported
Waste Category: Aqueous solution with total organic residues less than 10 percent
Disposal Method: Treatment, Tank
Tons: .6921
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: S113008820
Year: 1996
GEPaid: CAD981645070
Contact: UNION OIL COMPANY OF CALIFORNIA
Telephone: 7144286560
Mailing Name: Not reported
Mailing Address: PO BOX 25376
Mailing City,St,Zip: SANTA ANA, CA 927995376
Gen County: Not reported
TSD EPA ID: CAD028409019
TSD County: Not reported
Waste Category: Aqueous solution with total organic residues less than 10 percent
Disposal Method: Treatment, Tank
Tons: .3961
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: S113008820
Year: 1995
GEPaid: CAD981645070
Contact: UNION OIL COMPANY OF CALIFORNIA
Telephone: 7144286560
Mailing Name: Not reported
Mailing Address: PO BOX 25376
Mailing City,St,Zip: SANTA ANA, CA 927995376
Gen County: Not reported
TSD EPA ID: CAT080013352
TSD County: Not reported
Waste Category: Waste oil and mixed oil

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SERVICE STATION 2477 (Continued)

S113008820

Disposal Method: Recycler
Tons: 2.2935
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: S113008820
Year: 1995
GEPAID: CAD981645070
Contact: UNION OIL COMPANY OF CALIFORNI
Telephone: 7144286560
Mailing Name: Not reported
Mailing Address: PO BOX 25376
Mailing City,St,Zip: SANTA ANA, CA 927995376
Gen County: Not reported
TSD EPA ID: CAD982484933
TSD County: Not reported
Waste Category: Other empty containers 30 gallons or more
Disposal Method: Recycler
Tons: 10.2500
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: S113008820
Year: 1993
GEPAID: CAD981645070
Contact: UNION OIL COMPANY OF CALIFORNI
Telephone: 7144286560
Mailing Name: Not reported
Mailing Address: PO BOX 25376
Mailing City,St,Zip: SANTA ANA, CA 927995376
Gen County: Not reported
TSD EPA ID: CAT080013352
TSD County: Not reported
Waste Category: Unspecified aqueous solution
Disposal Method: Recycler
Tons: 0.4587
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

[Click this hyperlink](#) while viewing on your computer to access additional CA_HAZNET: detail in the EDR Site Report.

83
SW
1/8-1/4
0.142 mi.
748 ft.

CITY OF BURBANK RECYCLE CENTER
720 N LAKE ST
BURBANK, CA 91506

SWEEPS UST
LOS ANGELES CO. HMS
WIP

S100926013
N/A

Relative:
Lower

SWEEPS UST:
Status: Active
Comp Number: 13661
Number: 4
Board Of Equalization: 44-010211
Referral Date: 03-22-93
Action Date: 06-11-93

Actual:
573 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CITY OF BURBANK RECYCLE CENTER (Continued)

S100926013

Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: Not reported
Tank Status: Not reported
Capacity: Not reported
Active Date: Not reported
Tank Use: Not reported
STG: Not reported
Content: Not reported
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 13661
Number: Not reported
Board Of Equalization: 44-010211
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-007-013661-000001
Tank Status: Not reported
Capacity: 1000
Active Date: Not reported
Tank Use: OIL
STG: WASTE
Content: WASTE OIL
Number Of Tanks: 1

LOS ANGELES CO. HMS:

Region: LA
Permit Category: T
Facility Id: 013326-013661
Facility Type: 0
Facility Status: Removed
Area: 3E
Permit Number: 00005269T
Permit Status: Removed

WIP:

Region: 4
File Number: 109.6223
File Status: Historical
Staff: EN
Facility Suite: Not reported

J84
WNW
1/8-1/4
0.142 mi.
751 ft.

NORTH LAKE STAGE
1011 N LAKE ST
BURBANK, CA 91502
Site 2 of 9 in cluster J

WIP S106764473
N/A

Relative:
Higher

Actual:
587 ft.

WIP:
Region: 4
File Number: 104.0565
File Status: Historical
Staff: UNIDENTIFIED
Facility Suite: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

I85
South
1/8-1/4
0.143 mi.
754 ft.

CRAIG'S MACHINING
419 N VARNEY ST
BURBANK, CA 91502

LOS ANGELES CO. HMS
WIP

S104828096
N/A

Site 9 of 10 in cluster I

Relative:
Lower

LOS ANGELES CO. HMS:

Region: LA
Permit Category: Not reported
Facility Id: 026013-035500
Facility Type: Not reported
Facility Status: OPEN
Area: 3E
Permit Number: Not reported
Permit Status: Not reported

Actual:
568 ft.

WIP:

Region: 4
File Number: 109.6264
File Status: Historical
Staff: MPS
Facility Suite: Not reported

Region: 4
File Number: 109.5502
File Status: Historical
Staff: YRONG
Facility Suite: Not reported

J86
WNW
1/8-1/4
0.148 mi.
781 ft.

BUCONE CORP.
1017 N LAKE ST
BURBANK, CA 91502

LOS ANGELES CO. HMS
WIP

S106668842
N/A

Site 3 of 9 in cluster J

Relative:
Higher

LOS ANGELES CO. HMS:

Region: LA
Permit Category: Not reported
Facility Id: 025778-035257
Facility Type: Not reported
Facility Status: OPEN
Area: 3E
Permit Number: Not reported
Permit Status: Not reported

Actual:
588 ft.

WIP:

Region: 4
File Number: 104.0209
File Status: Historical
Staff: MPS
Facility Suite: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

L87
South
1/8-1/4
0.149 mi.
788 ft.
BURBANK SIGN COMPANY
454 N MOSS ST
BURBANK, CA 91502
Site 2 of 4 in cluster L

WIP **S106767976**
N/A

Relative: WIP:
Lower Region: 4
File Number: 109.5231
Actual: **File Status:** **Historical**
571 ft. Staff: MPS
Facility Suite: Not reported

H88
SE
1/8-1/4
0.149 mi.
788 ft.
FAB-IT MFG INC.
53 E PALM AVE
BURBANK, CA 91502
Site 7 of 7 in cluster H

LOS ANGELES CO. HMS **S104827755**
WIP **N/A**

Relative: LOS ANGELES CO. HMS:
Higher Region: LA
Permit Category: Not reported
Actual: Facility Id: 026019-035506
586 ft. Facility Type: Not reported
Facility Status: OPEN
Area: 3E
Permit Number: Not reported
Permit Status: Not reported

WIP:
Region: 4
File Number: 109.5411
File Status: **Historical**
Staff: MPS
Facility Suite: Not reported

I89
South
1/8-1/4
0.150 mi.
790 ft.
ACCENT ON WINDOWS
423 N VARNEY ST #A
BURBANK, CA 91502
Site 10 of 10 in cluster I

LOS ANGELES CO. HMS **S104828098**
WIP **N/A**

Relative: LOS ANGELES CO. HMS:
Lower Region: LA
Permit Category: Not reported
Actual: Facility Id: 026016-035503
569 ft. Facility Type: Not reported
Facility Status: OPEN
Area: 3E
Permit Number: Not reported
Permit Status: Not reported

WIP:
Region: 4
File Number: 109.6266
File Status: **Historical**
Staff: MPS

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ACCENT ON WINDOWS (Continued)

S104828098

Facility Suite: Not reported

Region: 4

File Number: 109.6267

File Status: **Historical**

Staff: MPS

Facility Suite: Not reported

J90
WNW
1/8-1/4
0.152 mi.
805 ft.

PIONEER TECHNOLOGY CORPORATION
1021 N LAKE ST
BURBANK, CA 91502

LOS ANGELES CO. HMS
WIP

S104827535
N/A

Site 4 of 9 in cluster J

Relative:
Higher

LOS ANGELES CO. HMS:

Region: LA

Permit Category: Not reported

Facility Id: 025781-035260

Facility Type: Not reported

Facility Status: OPEN

Area: 3E

Permit Number: Not reported

Permit Status: Not reported

Actual:
589 ft.

WIP:

Region: 4

File Number: 104.1245

File Status: **Historical**

Staff: OM

Facility Suite: Not reported

M91
North
1/8-1/4
0.154 mi.
813 ft.

CROWN 1HR CLEANERS
928 N SAN FERNANDO RD
BURBANK, CA 91504

RCRA-SQG
FINDS
ECHO

1000593302
CAD982439101

Site 1 of 4 in cluster M

Relative:
Higher

RCRA-SQG:

Date form received by agency: 03/12/1991

Facility name: CROWN 1HR CLEANERS

Facility address: 928 N SAN FERNANDO RD
BURBANK, CA 91504

EPA ID: CAD982439101

Mailing address: N SAN FERNANDO RD
BURBANK, CA 91504

Contact: ENVIRONMENTAL MANAGER

Contact address: 928 N SAN FERNANDO RD
BURBANK, CA 91504

Contact country: US

Contact telephone: 818-953-7255

Contact email: Not reported

EPA Region: 09

Classification: Small Small Quantity Generator

Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous

Actual:
617 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROWN 1HR CLEANERS (Continued)

1000593302

waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: JOH BOHUN
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002812751

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport,

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROWN 1HR CLEANERS (Continued)

1000593302

and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1000593302
Registry ID: 110002812751
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110002812751>

M92
North
1/8-1/4
0.154 mi.
813 ft.

CROWN 1 HR. CLEANERS
928 N SAN FERNANDO RD #G
BURBANK, CA 91504

DRYCLEANERS **S121698951**
N/A

Site 2 of 4 in cluster M

Relative:
Higher

DRYCLEAN SOUTH COAST:

Actual:
617 ft.

Facility ID: 61936
Application Number: 172188
Permit Number: D01941
Status: O
Representative Name: BOHUN S JOH
Representative Telephone: 818 9537255
Permit Status: INACT_NR
BCAT Number: 000234
BCAT Description: DRY CLEANING EQUIP PERCHLOROETHYLENE
UTM East: 378.70001221
UTM North: 3783.5

M93
North
1/8-1/4
0.154 mi.
813 ft.

BURBANK CLEANERS
928 N SAN FERNANDO
BURBANK, CA 91504

DRYCLEANERS **S121693545**
N/A

Site 3 of 4 in cluster M

Relative:
Higher

DRYCLEAN SOUTH COAST:

Actual:
617 ft.

Facility ID: 103763
Application Number: 299677
Permit Number: D88011
Status: A
Representative Name: ROY YOON
Representative Telephone: 818 8411126
Permit Status: INACT_NR
BCAT Number: 000601
BCAT Description: DRY CLEANING, DRY-TO-DRY NON-VENT, PERC
UTM East: 378.60900879
UTM North: 3783.4909668

Facility ID: 103763
Application Number: 343530
Permit Number: F17627
Status: A
Representative Name: ROY YOON

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BURBANK CLEANERS (Continued)

S121693545

Representative Telephone: 818 8411126
Permit Status: INACT_NR
BCAT Number: 000601
BCAT Description: DRY CLEANING, DRY-TO-DRY NON-VENT, PERC
UTM East: 378.60900879
UTM North: 3783.4909668

K94
WNW
1/8-1/4
0.155 mi.
821 ft.

CITY OF BURBANK
124 E BURBANK BLVD
BURBANK, CA 91506

SWEEPS UST
LOS ANGELES CO. HMS
WIP

S104536274
N/A

Site 3 of 4 in cluster K

Relative:
Higher

SWEEPS UST:

Actual:
586 ft.

Status: Active
Comp Number: 12145
Number: 9
Board Of Equalization: Not reported
Referral Date: 12-05-90
Action Date: 12-05-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: Not reported
Tank Status: Not reported
Capacity: Not reported
Active Date: Not reported
Tank Use: Not reported
STG: Not reported
Content: Not reported
Number Of Tanks: Not reported

LOS ANGELES CO. HMS:

Region: LA
Permit Category: Not reported
Facility Id: 012046-012145
Facility Type: Not reported
Facility Status: Removed
Area: 3E
Permit Number: Not reported
Permit Status: Not reported

WIP:

Region: 4
File Number: 104.0255
File Status: Historical
Staff: MPS
Facility Suite: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

L95
South
1/8-1/4
0.157 mi.
828 ft.

LEE ENGINEERING CO.
440 N MOSS ST
BURBANK, CA 91502

LOS ANGELES CO. HMS
WIP

S104827669
N/A

Site 3 of 4 in cluster L

Relative:
Lower

LOS ANGELES CO. HMS:

Region: LA
Permit Category: Not reported
Facility Id: 025863-035347
Facility Type: Not reported
Facility Status: OPEN
Area: 3E
Permit Number: Not reported
Permit Status: Not reported

WIP:

Region: 4
File Number: 109.5661
File Status: Historical
Staff: MPS
Facility Suite: Not reported

J96
WNW
1/8-1/4
0.157 mi.
830 ft.

G & M GRINDING CO.
1025 N LAKE ST
BURBANK, CA 91502

WIP S106764457
N/A

Site 5 of 9 in cluster J

Relative:
Higher

WIP:

Region: 4
File Number: 104.0458
File Status: Historical
Staff: OM
Facility Suite: Not reported

J97
WNW
1/8-1/4
0.162 mi.
853 ft.

B.M.PEARCE COMPANY
107 W BURBANK BLVD
BURBANK, CA 91502

WIP S106764420
N/A

Site 6 of 9 in cluster J

Relative:
Higher

WIP:

Region: 4
File Number: 104.0257
File Status: Historical
Staff: MPS
Facility Suite: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

J98
WNW
1/8-1/4
0.162 mi.
853 ft.

ZEPCO
101 W BURBANK BLVD
BURBANK, CA 91502
Site 7 of 9 in cluster J

LOS ANGELES CO. HMS
WIP
S104536278
N/A

Relative:
Higher

LOS ANGELES CO. HMS:

Actual:
589 ft.

Region: LA
Permit Category: Not reported
Facility Id: 022609-031713
Facility Type: Not reported
Facility Status: OPEN
Area: 3E
Permit Number: Not reported
Permit Status: Not reported

WIP:

Region: 4
File Number: 104.1222
File Status: Historical
Staff: MPS
Facility Suite: Not reported

N99
NNW
1/8-1/4
0.162 mi.
854 ft.

CVS PHARMACY #9601
1015 N SAN FERNANDO BLVD
BURBANK, CA 91504
Site 1 of 2 in cluster N

RCRA-LQG
FINDS
ECHO
HAZNET
1010313513
CAR000174342

Relative:
Higher

RCRA-LQG:

Actual:
605 ft.

Date form received by agency: 08/29/2016
Facility name: CVS PHARMACY #9601
Facility address: 1015 N. SAN FERNANDO BLVD
BURBANK, CA 91504
EPA ID: CAR000174342
Mailing address: CVS DR
MAIL DROP 23062A
WOONSOCKET, RI 02895
Contact: NICOLE WILKINSON
Contact address: CVS DR MAIL CODE 2340
WOONSOCKET, RI 02895
Contact country: US
Contact telephone: 401-770-7132
Contact email: NICOLE.WILKINSON@CVSHEALTH.COM
EPA Region: 09
Classification: Large Quantity Generator
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CVS PHARMACY #9601 (Continued)

1010313513

Owner/Operator Summary:

Owner/operator name: GARFIELD BEACH CVS, L.L.C.
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 06/02/2006
Owner/Op end date: Not reported

Owner/operator name: GARFIELD BEACH CVS, L.L.C.
Owner/operator address: CVS DR
WOONSOCKET, RI 02895
Owner/operator country: US
Owner/operator telephone: 401-765-1500
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 06/02/2006
Owner/Op end date: Not reported

Owner/operator name: GARFIELD BEACH CVS LLC
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 06/02/2006
Owner/Op end date: Not reported

Owner/operator name: GARFIELD BEACH CVS LLC
Owner/operator address: ONE CVS DR
WOONSOCKET, RI 02895
Owner/operator country: US
Owner/operator telephone: 401-765-1500
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 06/02/2006
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CVS PHARMACY #9601 (Continued)

1010313513

Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: 122
. Waste name: Alkaline solution without metals (pH > 12.5)

. Waste code: 141
. Waste name: Off-specification, aged, or surplus inorganics

. Waste code: 214
. Waste name: Unspecified solvent mixture

. Waste code: 311
. Waste name: Pharmaceutical waste

. Waste code: 331
. Waste name: Off-specification, aged, or surplus organics

. Waste code: 352
. Waste name: Other organic solids

. Waste code: 791
. Waste name: Liquids with pH < 2

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D009
. Waste name: MERCURY

. Waste code: D010
. Waste name: SELENIUM

. Waste code: D024
. Waste name: M-CRESOL

. Waste code: P001
. Waste name: 2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3% (OR) WARFARIN, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CVS PHARMACY #9601 (Continued)

1010313513

- . Waste code: P075
- . Waste name: NICOTINE, & SALTS (OR) PYRIDINE, 3-(1-METHYL-2-PYRROLIDINYL)-, (S)-, & SALTS
- . Waste code: U002
- . Waste name: 2-PROPANONE (I) (OR) ACETONE (I)
- . Waste code: U129
- . Waste name: CYCLOHEXANE, 1,2,3,4,5,6-HEXACHLORO-, (1ALPHA, 2ALPHA, 3BETA, 4ALPHA, 5ALPHA, 6BETA)- (OR) LINDANE
- . Waste code: U165
- . Waste name: NAPHTHALENE
- . Waste code: U205
- . Waste name: SELENIUM SULFIDE (OR) SELENIUM SULFIDE SES2 (R,T)

Historical Generators:

Date form received by agency: 03/01/2014

Site name: CVS PHARMACY #9601

Classification: Large Quantity Generator

- . Waste code: D001
- . Waste name: IGNITABLE WASTE
- . Waste code: D002
- . Waste name: CORROSIVE WASTE
- . Waste code: D004
- . Waste name: ARSENIC
- . Waste code: D005
- . Waste name: BARIUM
- . Waste code: D006
- . Waste name: CADMIUM
- . Waste code: D007
- . Waste name: CHROMIUM
- . Waste code: D008
- . Waste name: LEAD
- . Waste code: D009
- . Waste name: MERCURY
- . Waste code: D010
- . Waste name: SELENIUM
- . Waste code: D011
- . Waste name: SILVER
- . Waste code: D016
- . Waste name: 2,4-D (2,4-DICHLOROPHENOXYACETIC ACID)
- . Waste code: D018
- . Waste name: BENZENE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CVS PHARMACY #9601 (Continued)

1010313513

- . Waste code: D024
- . Waste name: M-CRESOL

- . Waste code: D027
- . Waste name: 1,4-DICHLOROBENZENE

- . Waste code: D035
- . Waste name: METHYL ETHYL KETONE

- . Waste code: D039
- . Waste name: TETRACHLOROETHYLENE

- . Waste code: P001
- . Waste name: 2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3% (OR) WARFARIN, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%

- . Waste code: P012
- . Waste name: ARSENIC OXIDE AS2O3 (OR) ARSENIC TRIOXIDE

- . Waste code: P075
- . Waste name: NICOTINE, & SALTS (OR) PYRIDINE, 3-(1-METHYL-2-PYRROLIDINYL)-,(S)-, & SALTS

- . Waste code: P081
- . Waste name: 1,2,3-PROPANETRIOL, TRINITRATE (R) (OR) NITROGLYCERINE (R)

- . Waste code: P188
- . Waste name: BENZOIC ACID, 2-HYDROXY-, COMPD. WITH (3AS-CIS)-1,2,3,3A,8,8A-HEXAHYDRO-1,3A,8-TRIMETHYLPYRROLO[2,3-B]INDOL-5-YL METHYLCARBAMATE ESTER (1:1) (OR) PHYSOSTIGMINE SALICYLATE

- . Waste code: U002
- . Waste name: 2-PROPANONE (I) (OR) ACETONE (I)

- . Waste code: U010
- . Waste name: AZIRINO [2',3':3,4]PYRROLO[1,2-A]INDOLE-4,7-DIONE, 6-AMINO-8-[[[AMINOCARBONYL)OXY]METHYL]-1,1A,2,8,8A,8B-HEXAHYDRO-8A-MET HOXY-5-METHYL-, [1AS-(1AALPHA, 8BETA, 8AALPHA, 8BALPHA)]- (OR) MITOMYCIN C

- . Waste code: U031
- . Waste name: 1-BUTANOL (I) (OR) N-BUTYL ALCOHOL (I)

- . Waste code: U034
- . Waste name: ACETALDEHYDE, TRICHLORO- (OR) CHLORAL

- . Waste code: U035
- . Waste name: BENZENEBUTANOIC ACID, 4-[BIS(2-CHLOROETHYL)AMINO]- (OR) CHLORAMBUCIL

- . Waste code: U044
- . Waste name: CHLOROFORM (OR) METHANE, TRICHLORO-

- . Waste code: U058
- . Waste name: 2H-1,3,2-OXAZAPHOSPHORIN-2-AMINE, N,N-BIS(2-CHLOROETHYL)TETRAHYDRO-, 2-OXIDE (OR) CYCLOPHOSPHAMIDE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CVS PHARMACY #9601 (Continued)

1010313513

- . Waste code: U059
- . Waste name: 5,12-NAPHTHACENEDIONE,
8-ACETYL-10-[(3-AMINO-2,3,6-TRIDEOXY)-ALPHA-L-LYXO-HEXOPYRANOSYL)OXY]-
7,8,9,10-TETRAHYDRO-6,8,11-TRIHYDROXY-1-METHOXY-, (8S-CIS)- (OR)
DAUNOMYCIN
- . Waste code: U070
- . Waste name: BENZENE, 1,2-DICHLORO- (OR) O-DICHLOROBENZENE
- . Waste code: U072
- . Waste name: BENZENE, 1,4-DICHLORO- (OR) P-DICHLOROBENZENE
- . Waste code: U089
- . Waste name: DIETHYLSTILBESTEROL (OR) PHENOL, 4,4'-(1,2-DIETHYL-1,2-ETHENEDIYL)BIS,
(E)-
- . Waste code: U122
- . Waste name: FORMALDEHYDE
- . Waste code: U129
- . Waste name: CYCLOHEXANE, 1,2,3,4,5,6-HEXACHLORO-, (1ALPHA, 2ALPHA, 3BETA, 4ALPHA,
5ALPHA, 6BETA)- (OR) LINDANE
- . Waste code: U132
- . Waste name: HEXACHLOROPHENE (OR) PHENOL, 2,2'-METHYLENEBIS[3,4,6-TRICHLORO-
- . Waste code: U150
- . Waste name: L-PHENYLALANINE, 4-[BIS(2-CHLOROETHYL)AMINO]- (OR) MELPHALAN
- . Waste code: U151
- . Waste name: MERCURY
- . Waste code: U154
- . Waste name: METHANOL (I) (OR) METHYL ALCOHOL (I)
- . Waste code: U165
- . Waste name: NAPHTHALENE
- . Waste code: U188
- . Waste name: PHENOL
- . Waste code: U200
- . Waste name: RESERPINE (OR) YOHIMBAN-16-CARBOXYLIC ACID,
11,17-DIMETHOXY-18-[(3,4,5-TRIMETHOXYBENZOYL)OXY]-, METHYL ESTER,
(3BETA, 16BETA, 17ALPHA, 18BETA, 20ALPHA)-
- . Waste code: U201
- . Waste name: 1,3-BENZENEDIOL (OR) RESORCINOL
- . Waste code: U204
- . Waste name: SELENIOUS ACID (OR) SELENIUM DIOXIDE
- . Waste code: U205
- . Waste name: SELENIUM SULFIDE (OR) SELENIUM SULFIDE SES2 (R,T)
- . Waste code: U206
- . Waste name: D-GLUCOSE, 2-DEOXY-2-[[[(METHYLNITROSOAMINO)-CARBONYL]AMINO]- (OR)

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CVS PHARMACY #9601 (Continued)

1010313513

GLUCOPYRANOSE, 2-DEOXY-2-(3-METHYL-3-NITROSOUREIDO)-,D- (OR)
STREPTOZOTOCIN

. Waste code: U210
. Waste name: ETHENE, TETRACHLORO- (OR) TETRACHLOROETHYLENE

. Waste code: U279
. Waste name: CARBARYL (OR) 1-NAPHTHALENOL, METHYLCARBAMATE

. Waste code: U411
. Waste name: PHENOL, 2-(1-METHYLETHOXY)-, METHYLCARBAMATE (OR) PROPOXUR

Date form received by agency: 03/27/2013

Site name: CVS PHARMACY NO 9601

Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D009
. Waste name: MERCURY

. Waste code: D011
. Waste name: SILVER

. Waste code: P001
. Waste name: 2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS,
WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3% (OR) WARFARIN, &
SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%

. Waste code: P042
. Waste name: 1,2-BENZENEDIOL, 4-[1-HYDROXY-2-(METHYLAMINO)ETHYL]-, (R)- (OR)
EPINEPHRINE

. Waste code: P075
. Waste name: NICOTINE, & SALTS (OR) PYRIDINE, 3-(1-METHYL-2-PYRROLIDINYL)-,(S)-, &
SALTS

. Waste code: P081
. Waste name: 1,2,3-PROPANETRIOL, TRINITRATE (R) (OR) NITROGLYCERINE (R)

Date form received by agency: 06/07/2006

Site name: CVS PHARMACY 9601

Classification: Small Quantity Generator

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D011
. Waste name: SILVER

Biennial Reports:

Last Biennial Reporting Year: 2017

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CVS PHARMACY #9601 (Continued)

1010313513

Annual Waste Handled:

Waste code: D001

Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Amount (Lbs): 811

Waste code: D002

Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Amount (Lbs): 140

Waste code: D007

Waste name: CHROMIUM

Amount (Lbs): 21

Waste code: D009

Waste name: MERCURY

Amount (Lbs): 49

Waste code: D010

Waste name: SELENIUM

Amount (Lbs): 21

Waste code: D024

Waste name: M-CRESOL

Amount (Lbs): 49

Waste code: P001

Waste name: 2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%

Amount (Lbs): 39

Waste code: P075

Waste name: NICOTINE, & SALTS

Amount (Lbs): 34

Waste code: U002

Waste name: ACETONE (I)

Amount (Lbs): 568

Waste code: U129

Waste name: CYCLOHEXANE, 1,2,3,4,5,6-HEXACHLORO-, (1ALPHA,2ALPHA,3BETA,4ALPHA,5ALPHA,6BETA)-

Amount (Lbs): 50

Waste code: U165

Waste name: NAPHTHALENE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CVS PHARMACY #9601 (Continued)

1010313513

Amount (Lbs): 1

Waste code: U205
Waste name: SELENIUM SULFIDE
Amount (Lbs): 50

Violation Status: No violations found

FINDS:

Registry ID: 110031363254

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

STATE MASTER

HAZARDOUS WASTE BIENNIAL REPORTER

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1010313513
Registry ID: 110031363254
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110031363254>

HAZNET:

envid: 1010313513
Year: 2016
GEPAID: CAR000174342
Contact: NICOLE WILKINSON
Telephone: 4017651500
Mailing Name: Not reported
Mailing Address: 1 CVS DR - MC 1160
Mailing City,St,Zip: WOONSOCKET, RI 02895
Gen County: Los Angeles
TSD EPA ID: CAD008364432
TSD County: Los Angeles
Waste Category: Liquids with pH <= 2
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.002
Cat Decode: Liquids with pH <= 2
Method Decode: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County: Los Angeles

envid: 1010313513
Year: 2016

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CVS PHARMACY #9601 (Continued)

1010313513

GEPAID: CAR000174342
Contact: NICOLE WILKINSON
Telephone: 4017651500
Mailing Name: Not reported
Mailing Address: 1 CVS DR - MC 1160
Mailing City,St,Zip: WOONSOCKET, RI 02895
Gen County: Los Angeles
TSD EPA ID: CAD008364432
TSD County: Los Angeles
Waste Category: Off-specification, aged or surplus organics
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Recovery
(H010-H129) Or (H131-H135)
Tons: 0.0395
Cat Decode: Off-specification, aged or surplus organics
Method Decode: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Recovery
(H010-H129) Or (H131-H135)
Facility County: Los Angeles

envid: 1010313513
Year: 2016
GEPAID: CAR000174342
Contact: NICOLE WILKINSON
Telephone: 4017651500
Mailing Name: Not reported
Mailing Address: 1 CVS DR - MC 1160
Mailing City,St,Zip: WOONSOCKET, RI 02895
Gen County: Los Angeles
TSD EPA ID: CAD008364432
TSD County: Los Angeles
Waste Category: Pharmaceutical waste
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Recovery
(H010-H129) Or (H131-H135)
Tons: 0.0145
Cat Decode: Pharmaceutical waste
Method Decode: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Recovery
(H010-H129) Or (H131-H135)
Facility County: Los Angeles

envid: 1010313513
Year: 2016
GEPAID: CAR000174342
Contact: NICOLE WILKINSON
Telephone: 4017651500
Mailing Name: Not reported
Mailing Address: 1 CVS DR - MC 1160
Mailing City,St,Zip: WOONSOCKET, RI 02895
Gen County: Los Angeles
TSD EPA ID: CAD008364432
TSD County: Los Angeles
Waste Category: Unspecified solvent mixture
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Recovery
(H010-H129) Or (H131-H135)
Tons: 0.0745
Cat Decode: Unspecified solvent mixture
Method Decode: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Recovery
(H010-H129) Or (H131-H135)
Facility County: Los Angeles

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CVS PHARMACY #9601 (Continued)

1010313513

envid: 1010313513
Year: 2016
GEPAID: CAR000174342
Contact: NICOLE WILKINSON
Telephone: 4017651500
Mailing Name: Not reported
Mailing Address: 1 CVS DR - MC 1160
Mailing City,St,Zip: WOONSOCKET, RI 02895
Gen County: Los Angeles
TSD EPA ID: CAD008364432
TSD County: Los Angeles
Waste Category: Alkaline solution without metals pH >= 12.5
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.0055
Cat Decode: Alkaline solution without metals pH >= 12.5
Method Decode: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County: Los Angeles

[Click this hyperlink](#) while viewing on your computer to access 62 additional CA_HAZNET: record(s) in the EDR Site Report.

M100
North
1/8-1/4
0.163 mi.
862 ft.

KMART 3834
1000 SAN FERNANDO ROAD
BURBANK, CA 91504

RCRA-CESQG

1015740042
CAL000231576

Site 4 of 4 in cluster M

Relative:
Higher

RCRA-CESQG:

Actual:
616 ft.

Date form received by agency: 02/18/2016
Facility name: KMART 3834
Facility address: 1000 SAN FERNANDO ROAD
BURBANK, CA 91504
EPA ID: CAL000231576
Mailing address: BEVERLY ROAD
B5-348A
HOFFMAN ESTATES, IL 60179
Contact: CYNTHIA MILLER
Contact address: BEVERLY ROAD B5-348A
HOFFMAN ESTATES, IL 60179
Contact country: US
Contact telephone: 847-286-7994
Contact email: CYNTHIA.MILLER@SEARSHC.COM
EPA Region: 09
Classification: Conditionally Exempt Small Quantity Generator
Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KMART 3834 (Continued)

1015740042

the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name: KMART CORPORATION

Owner/operator address: Not reported

Not reported

Owner/operator country: Not reported

Owner/operator telephone: Not reported

Owner/operator email: Not reported

Owner/operator fax: Not reported

Owner/operator extension: Not reported

Legal status: Private

Owner/Operator Type: Operator

Owner/Op start date: 11/16/1989

Owner/Op end date: Not reported

Owner/operator name: STERIK COMPANIES

Owner/operator address: TICE BLVD C/O AUBURNDALE PROPERTIES
WOODCLIFF LAKE, NJ 07677

Owner/operator country: US

Owner/operator telephone: 201-930-2002

Owner/operator email: Not reported

Owner/operator fax: Not reported

Owner/operator extension: Not reported

Legal status: Private

Owner/Operator Type: Owner

Owner/Op start date: 07/26/1989

Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No

Mixed waste (haz. and radioactive): No

Recycler of hazardous waste: No

Transporter of hazardous waste: No

Treater, storer or disposer of HW: No

Underground injection activity: No

On-site burner exemption: No

Furnace exemption: No

Used oil fuel burner: No

Used oil processor: No

User oil refiner: No

Used oil fuel marketer to burner: No

Used oil Specification marketer: No

Used oil transfer facility: No

Used oil transporter: No

. Waste code: 122

. Waste name: Alkaline solution without metals (pH > 12.5)

. Waste code: 214

. Waste name: Unspecified solvent mixture

. Waste code: 311

. Waste name: Pharmaceutical waste

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KMART 3834 (Continued)

1015740042

- . Waste code: 331
- . Waste name: Off-specification, aged, or surplus organics

- . Waste code: D001
- . Waste name: IGNITABLE WASTE

- . Waste code: D002
- . Waste name: CORROSIVE WASTE

- . Waste code: D006
- . Waste name: CADMIUM

- . Waste code: D008
- . Waste name: LEAD

- . Waste code: D011
- . Waste name: SILVER

- . Waste code: D016
- . Waste name: 2,4-D (2,4-DICHLOROPHENOXYACETIC ACID)

- . Waste code: D018
- . Waste name: BENZENE

- . Waste code: D035
- . Waste name: METHYL ETHYL KETONE

- . Waste code: P075
- . Waste name: NICOTINE, & SALTS (OR) PYRIDINE, 3-(1-METHYL-2-PYRROLIDINYL)-, (S)-, & SALTS

Historical Generators:

Date form received by agency: 10/31/2012
Site name: KMART #3834
Classification: Large Quantity Generator

- . Waste code: D001
- . Waste name: IGNITABLE WASTE

- . Waste code: D002
- . Waste name: CORROSIVE WASTE

- . Waste code: D005
- . Waste name: BARIUM

- . Waste code: D007
- . Waste name: CHROMIUM

- . Waste code: D008
- . Waste name: LEAD

- . Waste code: D016
- . Waste name: 2,4-D (2,4-DICHLOROPHENOXYACETIC ACID)

- . Waste code: D035
- . Waste name: METHYL ETHYL KETONE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KMART 3834 (Continued)

1015740042

. Waste code: P075
. Waste name: NICOTINE, & SALTS (OR) PYRIDINE, 3-(1-METHYL-2-PYRROLIDINYL)-(S)-, & SALTS

Biennial Reports:

Last Biennial Reporting Year: 2017

Annual Waste Handled:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSLEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Amount (Lbs): 1066

Waste code: D002
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Amount (Lbs): 448

Waste code: D006
Waste name: CADMIUM
Amount (Lbs): 49

Waste code: D008
Waste name: LEAD
Amount (Lbs): 49

Waste code: D011
Waste name: SILVER
Amount (Lbs): 49

Waste code: D016
Waste name: 2,4-D
Amount (Lbs): 49

Waste code: D018
Waste name: BENZENE
Amount (Lbs): 91

Waste code: D035
Waste name: METHYL ETHYL KETONE
Amount (Lbs): 91

Waste code: P075
Waste name: NICOTINE, & SALTS
Amount (Lbs): 9

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KMART 3834 (Continued)

1015740042

Violation Status: No violations found

O101
ENE
1/8-1/4
0.164 mi.
864 ft.

IKEA FURNITURE
600 N SAN FERNANDO
BURBANK, CA 91202

SWEEPS UST
CA FID UST

S101587279
N/A

Site 1 of 2 in cluster O

Relative:
Higher

SWEEPS UST:

Actual:
614 ft.

Status: Active
Comp Number: 600
Number: 1
Board Of Equalization: Not reported
Referral Date: 04-03-91
Action Date: 04-03-91
Created Date: 04-03-91
Owner Tank Id: Not reported
SWRCB Tank Id: 19-007-000600-000001
Tank Status: A
Capacity: 520
Active Date: 04-03-91
Tank Use: M.V. FUEL
STG: P
Content: DIESEL
Number Of Tanks: 1

CA FID UST:

Facility ID: 19055190
Regulated By: UTNKA
Regulated ID: Not reported
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 8187851145
Mail To: Not reported
Mailing Address: 600 N SAN FERNANDO
Mailing Address 2: Not reported
Mailing City,St,Zip: BURBANK 91202
Contact: Not reported
Contact Phone: Not reported
DUNS Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

O102
ENE
1/8-1/4
0.164 mi.
864 ft.

IKEA
600 N SAN FERNANDO BLVD
BURBANK, CA 91502

UST
EMI
HAZNET

U003775837
N/A

Site 2 of 2 in cluster O

Relative:
Higher

UST:

Actual:
614 ft.

Facility ID: 600
Permitting Agency: BURBANK, CITY OF
Latitude: 34.18692
Longitude: -118.312393

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

IKEA (Continued)

U003775837

EMI:

Year: 1990
County Code: 19
Air Basin: SC
Facility ID: 77664
Air District Name: SC
SIC Code: 0
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1
Reactive Organic Gases Tons/Yr: 1
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr: 0

Year: 1996
County Code: 19
Air Basin: SC
Facility ID: 77664
Air District Name: SC
SIC Code: 9999
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr: 0

HAZNET:

envid: U003775837
Year: 2016
GEPAID: CAC002817970
Contact: ADAM EGGEHORN
Telephone: 8188418060
Mailing Name: Not reported
Mailing Address: PO BOX 20902
Mailing City,St,Zip: INDIANAPOLIS, IN 46220
Gen County: Los Angeles
TSD EPA ID: NED981723513
TSD County: 99
Waste Category: Off-specification, aged or surplus organics
Disposal Method: Incineration--Thermal Destruction Other Than Use As A Fuel
Tons: 0.032
Cat Decode: Off-specification, aged or surplus organics
Method Decode: Incineration--Thermal Destruction Other Than Use As A Fuel
Facility County: Los Angeles

envid: U003775837
Year: 2016

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

IKEA (Continued)

U003775837

GEPAID: CAC002817970
Contact: ADAM EGGEHORN
Telephone: 8188418060
Mailing Name: Not reported
Mailing Address: PO BOX 20902
Mailing City,St,Zip: INDIANAPOLIS, IN 46220
Gen County: Los Angeles
TSD EPA ID: NED981723513
TSD County: 99
Waste Category: Organic liquids with metals (Alkaline solution (pH >= 12.5) with metals)
Disposal Method: Incineration--Thermal Destruction Other Than Use As A Fuel
Tons: 0.155
Cat Decode: Organic liquids with metals (Alkaline solution (pH >= 12.5) with metals)
Method Decode: Incineration--Thermal Destruction Other Than Use As A Fuel
Facility County: Los Angeles

envid: U003775837
Year: 2016
GEPAID: CAC002817970
Contact: ADAM EGGEHORN
Telephone: 8188418060
Mailing Name: Not reported
Mailing Address: PO BOX 20902
Mailing City,St,Zip: INDIANAPOLIS, IN 46220
Gen County: Los Angeles
TSD EPA ID: TXD982290140
TSD County: 99
Waste Category: Not reported
Disposal Method: Other Treatment
Tons: 0.06
Cat Decode: Not reported
Method Decode: Other Treatment
Facility County: Los Angeles

envid: U003775837
Year: 2016
GEPAID: CAC002817970
Contact: ADAM EGGEHORN
Telephone: 8188418060
Mailing Name: Not reported
Mailing Address: PO BOX 20902
Mailing City,St,Zip: INDIANAPOLIS, IN 46220
Gen County: Los Angeles
TSD EPA ID: TXD982290140
TSD County: 99
Waste Category: Not reported
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Recovery (H010-H129) Or (H131-H135)
Tons: 0.045
Cat Decode: Not reported
Method Decode: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Recovery (H010-H129) Or (H131-H135)
Facility County: Los Angeles

envid: U003775837
Year: 2016

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

IKEA (Continued)

U003775837

GEPAID: CAC002817970
Contact: ADAM EGGEHORN
Telephone: 8188418060
Mailing Name: Not reported
Mailing Address: PO BOX 20902
Mailing City,St,Zip: INDIANAPOLIS, IN 46220
Gen County: Los Angeles
TSD EPA ID: CAD044429835
TSD County: Los Angeles
Waste Category: Off-specification, aged or surplus organics
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.1
Cat Decode: Off-specification, aged or surplus organics
Method Decode: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County: Los Angeles

[Click this hyperlink](#) while viewing on your computer to access
5 additional CA_HAZNET: record(s) in the EDR Site Report.

J103
WNW
1/8-1/4
0.166 mi.
878 ft.

MASTERCRAFT METAL
1010 VICTORY PL.
BURBANK, CA 91502
Site 8 of 9 in cluster J

CPS-SLIC **S104538696**
EMI **N/A**
ENF
LOS ANGELES CO. HMS
WIP

Relative:
Higher

Actual:
589 ft.

CPS-SLIC:
Region: STATE
Facility Status: Completed - Case Closed
Status Date: 02/14/1997
Global Id: SL603798617
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number: Not reported
Latitude: 34.1859
Longitude: -118.3216
Case Type: Cleanup Program Site
Case Worker: GJH
Local Agency: Not reported
RB Case Number: 104.0710
File Location: Not reported
Potential Media Affected: Aquifer used for drinking water supply
Potential Contaminants of Concern: Not reported
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

EMI:

Year: 1987
County Code: 19
Air Basin: SC
Facility ID: 53371
Air District Name: SC
SIC Code: 3444
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MASTERCRAFT METAL (Continued)

S104538696

Total Organic Hydrocarbon Gases Tons/Yr: 1
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 1990
County Code: 19
Air Basin: SC
Facility ID: 53371
Air District Name: SC
SIC Code: 3599
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

ENF:

Region: 4
Facility Id: 239783
Agency Name: Mastercraft Metal
Place Type: Facility
Place Subtype: Not reported
Facility Type: Not reported
Agency Type: Privately-Owned Business
Of Agencies: 1
Place Latitude: 34.166696
Place Longitude: -118.307814
SIC Code 1: Not reported
SIC Desc 1: Not reported
SIC Code 2: Not reported
SIC Desc 2: Not reported
SIC Code 3: Not reported
SIC Desc 3: Not reported
NAICS Code 1: Not reported
NAICS Desc 1: Not reported
NAICS Code 2: Not reported
NAICS Desc 2: Not reported
NAICS Code 3: Not reported
NAICS Desc 3: Not reported
Of Places: 1
Source Of Facility: Reg Meas
Design Flow: Not reported
Threat To Water Quality: Not reported
Complexity: Not reported
Pretreatment: Not reported
Facility Waste Type: Not reported
Facility Waste Type 2: Not reported
Facility Waste Type 3: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MASTERCRAFT METAL (Continued)

S104538696

Facility Waste Type 4:	Not reported
Program:	WIP
Program Category1:	MONITORING
Program Category2:	MONITORING
# Of Programs:	1
WDID:	4WIP1040710
Reg Measure Id:	161155
Reg Measure Type:	Unregulated
Region:	4
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Never Active
Status Date:	02/20/2013
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	220808
Region:	4
Order / Resolution Number:	13267 Letter
Enforcement Action Type:	13267 Letter
Effective Date:	11/09/2000
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	11/09/2000
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 4WIP1040710
Description:	Not reported
Program:	WIP
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	\$0.00
Initial Assessed Amount:	\$0.00
Liability \$ Amount:	\$0.00
Project \$ Amount:	\$0.00
Liability \$ Paid:	\$0.00
Project \$ Completed:	\$0.00
Total \$ Paid/Completed Amount:	\$0.00

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MASTERCRAFT METAL (Continued)

S104538696

LOS ANGELES CO. HMS:

Region: LA
Permit Category: Not reported
Facility Id: 023236-032425
Facility Type: Not reported
Facility Status: OPEN
Area: 3E
Permit Number: Not reported
Permit Status: Not reported

WIP:

Region: 4
File Number: 104.0710
File Status: Backlog
Staff: UNIDENTIFIED
Facility Suite: Not reported

P104
SE
1/8-1/4
0.166 mi.
879 ft.

GENERAL FACILITIES INC.
40 E PALM AVE
BURBANK, CA 91502

LOS ANGELES CO. HMS
WIP

S104827753
N/A

Site 1 of 8 in cluster P

Relative:
Higher

LOS ANGELES CO. HMS:

Actual:
585 ft.

Region: LA
Permit Category: Not reported
Facility Id: 026015-035502
Facility Type: Not reported
Facility Status: OPEN
Area: 3E
Permit Number: Not reported
Permit Status: Not reported

WIP:

Region: 4
File Number: 109.6257
File Status: Historical
Staff: MPS
Facility Suite: Not reported

Q105
SSE
1/8-1/4
0.167 mi.
884 ft.

BWP MAGNOLIA POWER PLANT
110 W MAGNOLIA BLVD
BURBANK, CA 91502

AST **A100417933**
N/A

Site 1 of 10 in cluster Q

Relative:
Lower

AST:

Actual:
567 ft.

Certified Unified Program Agencies: Not reported
Owner: SO CALIF PUBLIC POWER AUTHORIT
Total Gallons: Not reported
CERSID: 10230265
Facility ID: LACoFA0034959
Business Name: BWP MAGNOLIA POWER PLANT
Phone: 8182383550
Fax: 8182383560

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BWP MAGNOLIA POWER PLANT (Continued)

A100417933

Mailing Address: 110 W MAGNOLIA BLVD
Mailing Address City: BURBANK
Mailing Address State: CA
Mailing Address Zip Code: 91502
Operator Name: Fred Fletcher
Operator Phone: 8182383557
Owner Phone: 6267939364
Owner Mail Address: 1160 Nicole Court
Owner State: CA
Owner Zip Code: 91740
Owner Country: United States
Property Owner Name: City of Burbank
Property Owner Phone: 8182385800
Property Owner Mailing Address: 275 East Olive Avenue
Property Owner City: Burbank
Property Owner Stat : CA
Property Owner Zip Code: 91502
Property Owner Country: United States
EPAID: Not reported

P106
ESE
1/8-1/4
0.168 mi.
887 ft.

TOUCH-FLO MANUFACTURING
75 E PALM AVE
BURBANK, CA 91502

LOS ANGELES CO. HMS
WIP

S104827757
N/A

Site 2 of 8 in cluster P

Relative:
Higher
Actual:
590 ft.

LOS ANGELES CO. HMS:
Region: LA
Permit Category: Not reported
Facility Id: 026024-035511
Facility Type: Not reported
Facility Status: OPEN
Area: 3E
Permit Number: Not reported
Permit Status: Not reported

WIP:

Region: 4
File Number: 109.6066
File Status: Historical
Staff: AZASZKOD
Facility Suite: Not reported

Q107
South
1/8-1/4
0.171 mi.
904 ft.

CTS ELECTRONIC COMPONENTS INC
413 N MOSS ST
BURBANK, CA 91502

RCRA-SQG
FINDS
ECHO
LOS ANGELES CO. HMS
WDS

1000857225
CAD008255804

Site 2 of 10 in cluster Q

Relative:
Lower
Actual:
568 ft.

RCRA-SQG:
Date form received by agency: 12/21/2007
Facility name: CTS ELECTRONIC COMPONENTS INC
Facility address: 413 N MOSS ST
BURBANK, CA 91502
EPA ID: CAD008255804
Contact: NAGI ZAKI

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CTS ELECTRONIC COMPONENTS INC (Continued)

1000857225

Contact address: 413 N MOSS ST
BURBANK, CA 91502
Contact country: US
Contact telephone: 818-842-7277
Telephone ext.: 11
Contact email: NAGI.ZAKI@RB.CTSCORP.COM
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: CTS ELECTRONIC COMPONENT INC
Owner/operator address: 413 N MOSS ST
BURBANK, CA 91502
Owner/operator country: US
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/01/1997
Owner/Op end date: Not reported

Owner/operator name: CTS ELECTRONIC COMPONENTS INC
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 01/01/1997
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CTS ELECTRONIC COMPONENTS INC (Continued)

1000857225

Used oil transporter: No

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Historical Generators:

Date form received by agency: 04/28/2000

Site name: INTL ELECTRONIC RESEARCH CORP

Classification: Small Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CTS ELECTRONIC COMPONENTS INC (Continued)

1000857225

ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Date form received by agency: 09/01/1996

Site name: INTL ELECTRONIC RESEARCH CORP

Classification: Large Quantity Generator

Date form received by agency: 03/26/1992

Site name: INT'L ELECTRONIC REAEARCH CORP

Classification: Large Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110002631019

Environmental Interest/Information System

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1000857225

Registry ID: 110002631019

DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110002631019>

LOS ANGELES CO. HMS:

Region: LA

Permit Category: Not reported

Facility Id: 011321-011349

Facility Type: Not reported

Facility Status: OPEN

Area: 3E

Permit Number: Not reported

Permit Status: Not reported

WDS:

Facility ID: 4 19I001782

Facility Type: Not reported

Facility Status: Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.

NPDES Number: CAS000001 The 1st 2 characters designate the state. The remaining 7

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CTS ELECTRONIC COMPONENTS INC (Continued)

1000857225

are assigned by the Regional Board
Subregion: 4
Facility Telephone: 8188498481
Facility Contact: W. Anderson
Agency Name: IERC INTL ELEC. RESEARCH CORP
Agency Address: Not reported
Agency City,St,Zip: 0
Agency Contact: Not reported
Agency Telephone: Not reported
Agency Type: Not reported
SIC Code: 3499
SIC Code 2: Not reported
Primary Waste Type: Inert/Influent or Solid Wastes that do not contain soluble pollutants or organic wastes and have little adverse impact on water quality. Such wastes could cause turbidity and siltation. Uncontaminated soils, rubble and concrete are examples of this category.
Primary Waste: STORMS
Waste Type2: Not reported
Waste2: Stormwater Runoff
Primary Waste Type: Inert/Influent or Solid Wastes that do not contain soluble pollutants or organic wastes and have little adverse impact on water quality. Such wastes could cause turbidity and siltation. Uncontaminated soils, rubble and concrete are examples of this category.
Secondary Waste: Not reported
Secondary Waste Type: Not reported
Design Flow: 0
Baseline Flow: 0
Reclamation: No reclamation requirements associated with this facility.
POTW: The facility is not a POTW.
Treat To Water: Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
Complexity: Category C - Facilities having no waste treatment systems, such as cooling water dischargers or those who must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

Q108
South
1/8-1/4
0.171 mi.
904 ft.

INTL ELECTRONIC RESEARCH CORP
135 W MAGNOLIA BL
BURBANK, CA 91502

CPS-SLIC **S100581510**
EMI **N/A**

Site 3 of 10 in cluster Q

Relative:
Lower

CPS-SLIC:

Actual:
568 ft.

Region: STATE
Facility Status: **Open - Inactive**
Status Date: 09/29/2017
Global Id: SL603798988
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number: Not reported
Latitude: 34.179104
Longitude: -118.316315
Case Type: Cleanup Program Site

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

INTL ELECTRONIC RESEARCH CORP (Continued)

S100581510

Case Worker: Not reported
Local Agency: Not reported
RB Case Number: 109.5562
File Location: Regional Board
Potential Media Affected: Aquifer used for drinking water supply
Potential Contaminants of Concern: Tetrachloroethylene (PCE), Trichloroethylene (TCE), Chromium VI
Site History: Historic operations at the site by the former IERC included metal finishing and manufacturing a thermal management products. IERC occupied the site between 1956 and 2000. A CWC section 13267 Order No. R4-2013-0027 for a technical report was issued to the site. A Subsurface Soil Investigation Report dated August 22, 2014 was submitted to the Regional Board. Soil borings were advanced to 25 feet below ground surface at 5 locations across the site. Hexavalent chromium was not detected above laboratory reporting limits in any of the samples. Total chromium concentrations ranged from 4.31 milligrams per kilogram (mg/kg) to 36.0 mg/kg. A Notice of Opportunity to Comment on a No Further Requirements for Soils was issued to interested parties on December 18, 2015. No comments were received during the 30-day comment period and the case was issued a No Further Requirements for Soils Only on February 1, 2016.

[Click here to access the California GeoTracker records for this facility:](#)

EMI:

Year: 1990
County Code: 19
Air Basin: SC
Facility ID: 1732
Air District Name: SC
SIC Code: 3679
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 6
Reactive Organic Gases Tons/Yr: 1
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

L109
SSW
1/8-1/4
0.174 mi.
917 ft.
ANDREWS INTERNATIONAL
455 N MOSS ST
BURBANK, CA 91502
Site 4 of 4 in cluster L

RCRA-SQG **1012175937**
CAR000197525

Relative: RCRA-SQG:
Lower Date form received by agency: 12/24/2008
Facility name: ANDREWS INTERNATIONAL
Facility address: 455 N MOSS ST
BURBANK, CA 91502
EPA ID: CAR000197525
Contact: JOHN ADAMS
Contact address: 455 N MOSS ST
BURBANK, CA 91502
Contact country: US

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANDREWS INTERNATIONAL (Continued)

1012175937

Contact telephone: 661-310-1850
Contact email: JADAMS@ANDREWSINTERNATIONAL.COM
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: RANDY ANDREWS
Owner/operator address: 455 N MOSS ST
BURBANK, CA 91502
Owner/operator country: US
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 08/01/2003
Owner/Op end date: Not reported

Owner/operator name: JOHN ADAMS
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 01/31/2004
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: D001
. Waste name: IGNITABLE WASTE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANDREWS INTERNATIONAL (Continued)

1012175937

. Waste code: D008
. Waste name: LEAD

Violation Status: No violations found

P110
ESE
1/8-1/4
0.174 mi.
920 ft.

FLIGHT CENTER
72 E PALM AVE
BURBANK, CA 91502

Site 3 of 8 in cluster P

RCRA-SQG
FINDS
ECHO
LOS ANGELES CO. HMS
WIP

1000234965
CAD027953959

Relative:
Higher

RCRA-SQG:

Actual:
590 ft.

Date form received by agency: 09/01/1996
Facility name: FLIGHT CENTER
Facility address: 72 E PALM AVE
BURBANK, CA 91502
EPA ID: CAD027953959
Mailing address: PO BOX 3116
BURBANK, CA 91504
Contact: Not reported
Contact address: Not reported
Contact country: US
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: DON FISKE
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FLIGHT CENTER (Continued)

1000234965

Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 08/20/1980
Site name: FLIGHT CENTER
Classification: Large Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110002639761

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1000234965
Registry ID: 110002639761
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110002639761>

LOS ANGELES CO. HMS:

Region: LA
Permit Category: Not reported
Facility Id: 026023-035510
Facility Type: Not reported
Facility Status: OPEN
Area: 3E
Permit Number: Not reported
Permit Status: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FLIGHT CENTER (Continued)

1000234965

WIP:

Region: 4
File Number: 109.5437
File Status: **Historical**
Staff: MPS
Facility Suite: Not reported

R111
SSW
1/8-1/4
0.175 mi.
922 ft.

TERRY LUMBER CO
640 N VICTORY BLVD
BURBANK, CA 91505

SWEEPS UST
WIP

S102056680
N/A

Site 1 of 3 in cluster R

Relative:
Lower

SWEEPS UST:

Actual:
575 ft.

Status: Active
Comp Number: 14089
Number: 1
Board Of Equalization: Not reported
Referral Date: 02-06-91
Action Date: 02-06-91
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-007-014089-000001
Tank Status: A
Capacity: 1000
Active Date: 02-06-91
Tank Use: M.V. FUEL
STG: P
Content: DIESEL
Number Of Tanks: 2

Status: Active
Comp Number: 14089
Number: 1
Board Of Equalization: Not reported
Referral Date: 02-06-91
Action Date: 02-06-91
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-007-014089-000002
Tank Status: A
Capacity: 1000
Active Date: 02-06-91
Tank Use: M.V. FUEL
STG: P
Content: DIESEL
Number Of Tanks: Not reported

WIP:

Region: 4
File Number: 109.6255
File Status: **Historical**
Staff: EN
Facility Suite: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

R112
SSW
1/8-1/4
0.175 mi.
922 ft.
TERRY LUMBER
640 N VICTORY BLVD
BURBANK, CA 91502
Site 2 of 3 in cluster R

UST **U003777192**
N/A

Relative: UST:
Lower Facility ID: 14089
Permitting Agency: BURBANK, CITY OF
Actual: Latitude: 34.182053
575 ft. Longitude: -118.317299

J113
WNW
1/8-1/4
0.175 mi.
922 ft.
R C PRIVISION INC
1016 VICTORY PL
BURBANK, CA 91502
Site 9 of 9 in cluster J

LOS ANGELES CO. HMS **S104538697**
WIP **N/A**

Relative: LOS ANGELES CO. HMS:
Higher Region: LA
Permit Category: Not reported
Actual: Facility Id: 023237-032426
590 ft. Facility Type: Not reported
Facility Status: OPEN
Area: 3E
Permit Number: Not reported
Permit Status: Not reported

WIP:
Region: 4
File Number: 104.1216
File Status: **Historical**
Staff: MPS
Facility Suite: Not reported

N114
NNW
1/8-1/4
0.177 mi.
935 ft.
KEYSTON BROTHERS
1100 SCOTT RD
BURBANK, CA 91504
Site 2 of 2 in cluster N

LOS ANGELES CO. HMS **S104827952**
WIP **N/A**

Relative: LOS ANGELES CO. HMS:
Higher Region: LA
Permit Category: Not reported
Actual: Facility Id: 025898-035382
602 ft. Facility Type: Not reported
Facility Status: OPEN
Area: 3E
Permit Number: Not reported
Permit Status: Not reported

WIP:
Region: 4
File Number: 104.1316
File Status: **Historical**
Staff: MPS
Facility Suite: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

K115
West
1/8-1/4
0.179 mi.
945 ft.
CHEVRON #9-5538
923 VICTORY
BURBANK, CA 91502
Site 4 of 4 in cluster K

LUST **S102427298**
HIST CORTESE **N/A**

Relative:
Higher

Actual:
587 ft.

LUST:

Lead Agency: BURBANK, CITY OF
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603702507
Global Id: T0603702507
Latitude: 34.1835247
Longitude: -118.3213718
Status: Completed - Case Closed
Status Date: 08/29/1997
Case Worker: Not reported
RB Case Number: 915020143
Local Agency: BURBANK, CITY OF
File Location: Not reported
Local Case Number: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:

Global Id: T0603702507
Contact Type: Local Agency Caseworker
Contact Name: JORGE MARTINEZ
Organization Name: BURBANK, CITY OF
Address: 311 E ORANGE GROVE AVE
City: BURBANK
Email: jmartinez@ci.burbank.ca.us
Phone Number: Not reported

Global Id: T0603702507
Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

LUST:

Global Id: T0603702507
Action Type: Other
Date: 05/22/1985
Action: Leak Stopped

Global Id: T0603702507
Action Type: Other
Date: 05/22/1985
Action: Leak Reported

Global Id: T0603702507
Action Type: Other
Date: 05/22/1985
Action: Leak Discovery

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON #9-5538 (Continued)

S102427298

LUST:

Global Id: T0603702507
Status: Open - Case Begin Date
Status Date: 05/22/1985

Global Id: T0603702507
Status: Completed - Case Closed
Status Date: 08/29/1997

Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603702508
Global Id: T0603702508
Latitude: 34.1835247
Longitude: -118.3213718
Status: Completed - Case Closed
Status Date: 11/05/2001
Case Worker: MB
RB Case Number: 915020143A
Local Agency: BURBANK, CITY OF
File Location: Not reported
Local Case Number: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:

Global Id: T0603702508
Contact Type: Local Agency Caseworker
Contact Name: JORGE MARTINEZ
Organization Name: BURBANK, CITY OF
Address: 311 E ORANGE GROVE AVE
City: BURBANK
Email: jmartinez@ci.burbank.ca.us
Phone Number: Not reported

Global Id: T0603702508
Contact Type: Regional Board Caseworker
Contact Name: MAGDY BAIADY
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: LOS ANGELES
Email: mbaiady@waterboards.ca.gov
Phone Number: 2135766699

LUST:

Global Id: T0603702508
Action Type: Other
Date: 12/10/1999
Action: Leak Reported

LUST:

Global Id: T0603702508
Status: Open - Case Begin Date
Status Date: 12/10/1999

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON #9-5538 (Continued)

S102427298

Global Id: T0603702508
Status: Open - Site Assessment
Status Date: 12/10/1999

Global Id: T0603702508
Status: Completed - Case Closed
Status Date: 11/05/2001

LUST REG 4:

Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: 915020143
Status: Case Closed
Substance: Gasoline
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Soil
Abatement Method Used at the Site: Not reported
Global ID: T0603702507
W Global ID: Not reported
Staff: UNK
Local Agency: 19007
Cross Street: Not reported
Enforcement Type: Not reported
Date Leak Discovered: 5/22/1985
Date Leak First Reported: 5/22/1985
Date Leak Record Entered: 12/31/1986
Date Confirmation Began: Not reported
Date Leak Stopped: 5/22/1985
Date Case Last Changed on Database: 8/29/1997
Date the Case was Closed: 8/29/1997
How Leak Discovered: Tank Closure
How Leak Stopped: Not reported
Cause of Leak: UNK
Leak Source: UNK
Operator: SCHANDLER, ODETTE
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 2886.9543047939682327885294051
Source of Cleanup Funding: UNK
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: Not reported
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Enforcement Action Date: Not reported
Historical Max MTBE Date: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON #9-5538 (Continued)

S102427298

Responsible Party:	CHEVRON USA, INC.	
RP Address:	P.O. BOX 2833, LA HABRA, CA 90631	
Program:	LUST	
Lat/Long:	34.1829747 / -1	
Local Agency Staff:	DB	
Beneficial Use:	Not reported	
Priority:	Not reported	
Cleanup Fund Id:	Not reported	
Suspended:	Not reported	
Assigned Name:	Not reported	
Summary:	OLD CASE #000234	
Region:	4	
Regional Board:	04	
County:	Los Angeles	
Facility Id:	915020143A	
Status:	Case Closed	
Substance:	Gasoline	
Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Soil	
Abatement Method Used at the Site:	Not reported	
Global ID:	T0603702508	
W Global ID:	Not reported	
Staff:	MB	
Local Agency:	19007	
Cross Street:	Not reported	
Enforcement Type:	Not reported	
Date Leak Discovered:	Not reported	
Date Leak First Reported:	12/10/1999	
Date Leak Record Entered:	Not reported	
Date Confirmation Began:	12/10/1999	
Date Leak Stopped:	Not reported	
Date Case Last Changed on Database:	1/20/2000	
Date the Case was Closed:	11/5/2001	
How Leak Discovered:	Not reported	
How Leak Stopped:	Not reported	
Cause of Leak:	Not reported	
Leak Source:	Not reported	
Operator:	Not reported	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):	2959.441575129014250634299984	
Source of Cleanup Funding:	Not reported	
Preliminary Site Assessment Workplan Submitted:	Not reported	
Preliminary Site Assessment Began:	Not reported	
Pollution Characterization Began:	Not reported	
Remediation Plan Submitted:	Not reported	
Remedial Action Underway:	Not reported	
Post Remedial Action Monitoring Began:	Not reported	
Enforcement Action Date:	Not reported	
Historical Max MTBE Date:	Not reported	
Hist Max MTBE Conc in Groundwater:	Not reported	
Hist Max MTBE Conc in Soil:	Not reported	
Significant Interim Remedial Action Taken:	Not reported	
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON #9-5538 (Continued)

S102427298

Organization: Not reported
Owner Contact: Not reported
Responsible Party: MR. JOHN FULLER
RP Address: P.O. BOX 2833
Program: LUST
Lat/Long: 34.1832127 / -1
Local Agency Staff: DB
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: 1/20/00 RESPONSE TO MTBE INVESTIGATION

HIST CORTESE:

Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: 915020143

Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: 915020143A

S116
South
1/8-1/4
0.184 mi.
974 ft.

MICHAEL ALGAZY
428 MOSS ST
BURBANK, CA 91502

Site 1 of 6 in cluster S

RCRA NonGen / NLR **1000239088**
FINDS **CAD981461536**
ECHO

Relative:
Lower

Actual:
570 ft.

RCRA NonGen / NLR:
Date form received by agency: 04/09/1986
Facility name: MICHAEL ALGAZY
Facility address: 428 MOSS ST
BURBANK, CA 91502
EPA ID: CAD981461536
Mailing address: MOSS ST
BURBANK, CA 91502
Contact: ENVIRONMENTAL MANAGER
Contact address: 428 MOSS ST
BURBANK, CA 91502
Contact country: US
Contact telephone: 213-622-8069
Contact email: Not reported
EPA Region: 09
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: MICHAEL ALGAZY
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MICHAEL ALGAZY (Continued)

1000239088

Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999

Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: Yes
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002715580

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1000239088
Registry ID: 110002715580

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MICHAEL ALGAZY (Continued)

1000239088

DFR URL:

<http://echo.epa.gov/detailed-facility-report?fid=110002715580>

T117
WNW
1/8-1/4
0.185 mi.
977 ft.

CANTEBURY TERMITE & PEST CONTL
1048 N LAKE ST
BURBANK, CA 91502

Site 1 of 8 in cluster T

Relative:
Higher
Actual:
592 ft.

WIP:
Region: 4
File Number: 104.0261
File Status: Historical
Staff: OM
Facility Suite: Not reported

WIP S106764421
N/A

S118
South
1/8-1/4
0.186 mi.
980 ft.

JOHN W. TORRANCE COMPANY
441 N MOSS ST
BURBANK, CA 91502

Site 2 of 6 in cluster S

Relative:
Lower
Actual:
572 ft.

WIP:
Region: 4
File Number: 109.6258
File Status: Historical
Staff: MPS
Facility Suite: Not reported

WIP S106768097
N/A

P119
ESE
1/8-1/4
0.187 mi.
987 ft.

L.E.C. TRADERS
249 N FIRST ST
BURBANK, CA 91502

Site 4 of 8 in cluster P

Relative:
Higher
Actual:
591 ft.

WIP:
Region: 4
File Number: 109.5059
File Status: Historical
Staff: JG
Facility Suite: Not reported

WIP S106767957
N/A

S120
South
1/8-1/4
0.188 mi.
990 ft.

MARK'S OFF ROAD ENTERPRISES
437 N MOSS ST
BURBANK, CA 91502

Site 3 of 6 in cluster S

Relative:
Lower
Actual:
572 ft.

LOS ANGELES CO. HMS:
Region: LA
Permit Category: Not reported
Facility Id: 025861-035345
Facility Type: Not reported
Facility Status: OPEN

LOS ANGELES CO. HMS
WIP S104827668
N/A

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MARK'S OFF ROAD ENTERPRISES (Continued)

S104827668

Area: 3E
Permit Number: Not reported
Permit Status: Not reported

WIP:
Region: 4
File Number: 109.5965
File Status: Historical
Staff: YRONG
Facility Suite: Not reported

121
North
1/8-1/4
0.188 mi.
995 ft.

ALL AMERICAN SPORTS CLUB
1000 N SAN FERNANDO BLVD
BURBANK, CA 91504

RCRA-SQG **1000101858**
FINDS **CAD982318347**
ECHO

Relative:
Higher
Actual:
617 ft.

RCRA-SQG:
Date form received by agency: 09/01/1996
Facility name: ALL AMERICAN SPORTS CLUB
Facility address: 1000 N SAN FERNANDO BLVD
BURBANK, CA 91504
EPA ID: CAD982318347
Mailing address: 675 E WARDLOW RD # 201
LONG BEACH, CA 90807
Contact: Not reported
Contact address: Not reported
Not reported
Contact country: US
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: ALL AMERICAN SPORT CLUB
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALL AMERICAN SPORTS CLUB (Continued)

1000101858

Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 02/26/1988
Site name: ALL AMERICAN SPORTS CLUB
Classification: Large Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110002792620

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1000101858
Registry ID: 110002792620
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110002792620>

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

U122
West
1/8-1/4
0.190 mi.
1004 ft.
EFX SYSTEMS
919 N VICTORY BLVD
BURBANK, CA 91502
Site 1 of 14 in cluster U

WIP **S106768130**
N/A

Relative: WIP:
Higher Region: 4
Actual: File Number: 109.6586
587 ft. **File Status: Historical**
Staff: MPS
Facility Suite: Not reported

T123
NW
1/8-1/4
0.193 mi.
1018 ft.
LOCKHEED AIR TERMNAL
BURBANK, CA
Site 2 of 8 in cluster T

ENVIROSTOR **S107736621**
N/A

Relative: ENVIROSTOR:
Higher Facility ID: 80000302
Actual: Status: Inactive - Needs Evaluation
596 ft. Status Date: 07/01/2005
Site Code: Not reported
Site Type: Military Evaluation
Site Type Detailed: FUDS
Acres: Not reported
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Not reported
Supervisor: Douglas Bautista
Division Branch: Cleanup Cypress
Assembly: 43
Senate: 25
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: DERA
Latitude: 34.18638
Longitude: -118.3216
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: Clockneed Air Terminal
Alias Type: Alternate Name
Alias Name: CA99799F550200
Alias Type: Federal Facility ID
Alias Name: J09CA0447
Alias Type: INPR
Alias Name: 80000302
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Inventory Project Report (INPR)
Completed Date: 08/12/1994

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LOCKHEED AIR TERMNAL (Continued)

S107736621

Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

**T124
NW
1/8-1/4
0.193 mi.
1018 ft.**

LOCKHEED-CALIFORNIA

ENVIROSTOR

**S107736623
N/A**

BURBANK, CA

Site 3 of 8 in cluster T

**Relative:
Higher**

ENVIROSTOR:

**Actual:
596 ft.**

Facility ID: 80000022
Status: Inactive - Needs Evaluation
Status Date: 07/01/2005
Site Code: Not reported
Site Type: Military Evaluation
Site Type Detailed: FUDS
Acres: Not reported
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Not reported
Supervisor: Douglas Bautista
Division Branch: Cleanup Cypress
Assembly: 43
Senate: 25
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: DERA
Latitude: 34.18638
Longitude: -118.3216
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CA99799F686300
Alias Type: Federal Facility ID
Alias Name: J09CA0036
Alias Type: INPR
Alias Name: 80000022
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: Not reported
Completed Sub Area Name: Not reported
Completed Document Type: Not reported
Completed Date: Not reported
Comments: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LOCKHEED-CALIFORNIA (Continued)

S107736623

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

T125
NW
1/8-1/4
0.193 mi.
1018 ft.

AFP #14, STORAGE ANNEX
LOS ANGELES, CA
Site 4 of 8 in cluster T

ENVIROSTOR **S107735793**
N/A

Relative:
Higher
Actual:
596 ft.

ENVIROSTOR:
Facility ID: 80000066
Status: Inactive - Needs Evaluation
Status Date: 07/01/2005
Site Code: Not reported
Site Type: Military Evaluation
Site Type Detailed: FUDS
Acres: Not reported
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Not reported
Supervisor: Douglas Bautista
Division Branch: Cleanup Cypress
Assembly: 43
Senate: 25
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: DERA
Latitude: 34.18638
Longitude: -118.3216
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CA99799F686600
Alias Type: Federal Facility ID
Alias Name: J09CA0099
Alias Type: INPR
Alias Name: 80000066
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: Not reported
Completed Sub Area Name: Not reported
Completed Document Type: Not reported
Completed Date: Not reported
Comments: Not reported

Future Area Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AFP #14, STORAGE ANNEX (Continued)

S107735793

Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

126
SE
1/8-1/4
0.196 mi.
1033 ft.

HYRAIL
415 N. FRONT ST.
BURBANK, CA

CPS-SLIC
WIP

S106484779
N/A

Relative:
Lower

CPS-SLIC:

Region: STATE
Facility Status: Completed - Case Closed
Status Date: 12/22/2014
Global Id: SL603798983
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number: Not reported
Latitude: 34.180686
Longitude: -118.313234
Case Type: Cleanup Program Site
Case Worker: GJH
Local Agency: Not reported
RB Case Number: 109.5151
File Location: Not reported
Potential Media Affected: Aquifer used for drinking water supply
Potential Contaminants of Concern: Not reported
Site History: Not reported

Actual:
575 ft.

[Click here to access the California GeoTracker records for this facility:](#)

WIP:

Region: 4
File Number: 109.5151
File Status: Active
Staff: MZAIDI
Facility Suite: Not reported

V127
WSW
1/8-1/4
0.197 mi.
1039 ft.

ACME AUTOWORK
738 N. VICTORY BLVD.
BURBANK, CA 91502

CPS-SLIC
ENF
LOS ANGELES CO. HMS
WIP

S103948623
N/A

Site 1 of 4 in cluster V

Relative:
Lower

CPS-SLIC:

Region: STATE
Facility Status: Open - Inactive
Status Date: 10/29/2014
Global Id: SL603798644
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number: Not reported
Latitude: 34.18076

Actual:
581 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ACME AUTOWORK (Continued)

S103948623

Longitude: -118.319143
Case Type: Cleanup Program Site
Case Worker: GJH
Local Agency: Not reported
RB Case Number: 104.1579
File Location: Not reported
Potential Media Affected: Aquifer used for drinking water supply
Potential Contaminants of Concern: Not reported
Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

ENF:

Region: 4
Facility Id: 213204
Agency Name: Carcoa Inc
Place Type: Facility
Place Subtype: Not reported
Facility Type: Not reported
Agency Type: Privately-Owned Business
Of Agencies: 1
Place Latitude: 34.168143
Place Longitude: -118.30985
SIC Code 1: Not reported
SIC Desc 1: Not reported
SIC Code 2: Not reported
SIC Desc 2: Not reported
SIC Code 3: Not reported
SIC Desc 3: Not reported
NAICS Code 1: Not reported
NAICS Desc 1: Not reported
NAICS Code 2: Not reported
NAICS Desc 2: Not reported
NAICS Code 3: Not reported
NAICS Desc 3: Not reported
Of Places: 1
Source Of Facility: Reg Meas
Design Flow: Not reported
Threat To Water Quality: Not reported
Complexity: Not reported
Pretreatment: Not reported
Facility Waste Type: Not reported
Facility Waste Type 2: Not reported
Facility Waste Type 3: Not reported
Facility Waste Type 4: Not reported
Program: WIP
Program Category1: MONITORING
Program Category2: MONITORING
Of Programs: 1
WDID: 4WIP1096579
Reg Measure Id: 155849
Reg Measure Type: Unregulated
Region: 4
Order #: Not reported
Npdes# CA#: Not reported
Major-Minor: Not reported
Npdes Type: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ACME AUTOWORK (Continued)

S103948623

Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Never Active
Status Date:	02/20/2013
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	220802
Region:	4
Order / Resolution Number:	13267 Letter
Enforcement Action Type:	13267 Letter
Effective Date:	11/09/2000
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	11/09/2000
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 4WIP1096579
Description:	Not reported
Program:	WIP
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	\$0.00
Initial Assessed Amount:	\$0.00
Liability \$ Amount:	\$0.00
Project \$ Amount:	\$0.00
Liability \$ Paid:	\$0.00
Project \$ Completed:	\$0.00
Total \$ Paid/Completed Amount:	\$0.00

LOS ANGELES CO. HMS:

Region:	LA
Permit Category:	Not reported
Facility Id:	023224-032413
Facility Type:	Not reported
Facility Status:	OPEN
Area:	3E
Permit Number:	Not reported
Permit Status:	Not reported

WIP:

Region:	4
File Number:	109.6579

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ACME AUTOWORK (Continued)

S103948623

File Status: Backlog
Staff: UNIDENTIFIED
Facility Suite: Not reported

W128
WSW
1/8-1/4
0.197 mi.
1041 ft.

FOUR WHEEL PARTS WHOLESALE
825 N VICTORY BLVD
BURBANK, CA 91502

RCRA-SQG
SWEEPS UST
LOS ANGELES CO. HMS

1000417997
CAD981688252

Site 1 of 4 in cluster W

Relative:
Higher

Actual:
585 ft.

RCRA-SQG:
Date form received by agency: 03/28/2001
Facility name: FOUR WHEEL PARTS WHOLESALE
Facility address: 825 N VICTORY BLVD
BURBANK, CA 91502-1840
EPA ID: CAD981688252
Contact: DAN HANAMI
Contact address: 825 N VICTORY BLVD
BURBANK, CA 91502-1840
Contact country: US
Contact telephone: 818-840-8090
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: FOUR WHEEL PARTS WHOLESALERS
Owner/operator address: 801 W ARTESIA BLVD
COMPTON, CA 90220

Owner/operator country: Not reported
Owner/operator telephone: 310-900-5500
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FOUR WHEEL PARTS WHOLESALE (Continued)

1000417997

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: D000
. Waste name: Not Defined

. Waste code: D039
. Waste name: TETRACHLOROETHYLENE

Violation Status: No violations found

SWEEPS UST:

Status: Not reported
Comp Number: 12810
Number: Not reported
Board Of Equalization: Not reported
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-007-012810-000001
Tank Status: Not reported
Capacity: 550
Active Date: Not reported
Tank Use: OIL
STG: WASTE
Content: WASTE OIL
Number Of Tanks: 1

LOS ANGELES CO. HMS:

Region: LA
Permit Category: T
Facility Id: 012641-012810
Facility Type: 0
Facility Status: Removed
Area: 3E
Permit Number: 00004734T
Permit Status: Removed

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

W129 VORELCO INC.
WSW 825 N. VICTORY BLVD.
1/8-1/4 BURBANK, CA 91502
0.197 mi.
1041 ft. Site 2 of 4 in cluster W

CPS-SLIC U001568320
HIST UST N/A
WIP

Relative:
Higher

CPS-SLIC:

Actual:
585 ft.

Region:

Facility Status:

Status Date:

Global Id:

Lead Agency:

Lead Agency Case Number:

Latitude:

Longitude:

Case Type:

Case Worker:

Local Agency:

RB Case Number:

File Location:

Potential Media Affected:

Potential Contaminants of Concern:

Site History:

STATE

Completed - Case Closed

12/12/1991

SL603798997

LOS ANGELES RWQCB (REGION 4)

Not reported

34.1825715054448

-118.321208953857

Cleanup Program Site

LM

Not reported

109.6296

Regional Board

Aquifer used for drinking water supply

Not reported

The former Vorelco facility, located at 825 North Victory Blvd. in Burbank (the Site; Figures 1 and 2), was historically used for auto sales and service, beginning in 1965. The only known uses of industrial chemicals at the Site were for auto repair and detailing. The facility included an underground waste oil tank, a wastewater clarifier, and a service bay. Small amounts of solvent were kept in a parts washer in the service bay. The sediments beneath the Site, to a depth of approximately 100 ft bgs, are predominantly coarse grained; however, a predominantly fine-grained unit occurs at depths of approximately 51 to 57 ft bgs. The deepest borings at the Site, to 100 ft bgs, have not encountered groundwater. Groundwater is estimated to occur at approximately 107 ft bgs, based on ULARA Watermaster data. The Site is located in a commercial/industrial area of Burbank, and is zoned only for commercial use. No residential redevelopment of the Site is anticipated. Site data through 2006 are summarized in LFRs Synthesis and Evaluation of Assessment Data, dated December 21, 2006. More recent results and evaluations are presented in the site's Final Soil Gas Investigation Report, dated December 1, 2008. PCE Soil Gas Screening Levels (SSLs). Shallow and deep soil gas surveys were conducted in 2007-2008, to evaluate current soil gas conditions. Soil screening levels (SSLs) for PCE were then calculated, using the RWQCBs Attenuation Factor Method and site-specific data for lithology and soil properties. The 2007-2008 results, at all depths, were well below the associated SSLs for PCE in soil gas. Based on the results of this evaluation, the PCE concentrations beneath the Site do not pose a threat to local groundwater quality. Human Health Risk Assessment (HHRA). The PCE concentrations measured in shallow soil gas during 2007-2008 exceeded applicable CHHSLs, and so a Site-specific HHRA was conducted. Based on the HHRA, the PCE concentrations in shallow soil gas are not anticipated to result in adverse health risks to a commercial population. Reevaluation of the human health risks would be warranted if the Site was redeveloped for residential uses. However, the Site property is located in a commercial/industrial district, and is zoned for commercial uses only, so this change is not anticipated. Presently, the site is applying for a deed restriction from the Regional Board and the site has requested soil closure and has

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VORELCO INC. (Continued)

U001568320

submitted a soil closure package which is undergoing a review by Regional Board staff. Presently, the discharger has requested a "no further requirements" letter from the Regional Board. The request is being reviewed.

[Click here to access the California GeoTracker records for this facility:](#)

HIST UST:

File Number: Not reported
URL: Not reported
Region: STATE
Facility ID: 00000041143
Facility Type: Other
Other Type: AUTO DEALERSHIP
Contact Name: ALLAN WINOGURA/BARBAR PLANTIN
Telephone: 8188410911
Owner Name: VARELCO, INC.
Owner Address: 27650 DEQUINDRE ROAD
Owner City,St,Zip: WARREN, MI 48092
Total Tanks: 0002

Tank Num: 001
Container Num: 1
Year Installed: Not reported
Tank Capacity: 00000000
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 002
Container Num: 2
Year Installed: Not reported
Tank Capacity: 00000000
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: None

WIP:

Region: 4
File Number: 109.6296
File Status: Active
Staff: MZAIDI
Facility Suite: Not reported

W130
WSW
1/8-1/4
0.197 mi.
1041 ft.
VOLKSWAGON OF AMERICA
825 N VICTORY BLVD
BURBANK, CA 91502
Site 3 of 4 in cluster W

HIST UST
HAZNET
S112864043
N/A

Relative:
Higher
Actual:
585 ft.

HIST UST:
File Number: 00028532
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00028532.pdf>
Region: Not reported
Facility ID: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VOLKSWAGON OF AMERICA (Continued)

S112864043

Facility Type: Not reported
Other Type: Not reported
Contact Name: Not reported
Telephone: Not reported
Owner Name: Not reported
Owner Address: Not reported
Owner City,St,Zip: Not reported
Total Tanks: Not reported

Tank Num: Not reported
Container Num: Not reported
Year Installed: Not reported
Tank Capacity: Not reported
Tank Used for: Not reported
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Not reported

[Click here for Geo Tracker PDF:](#)

HAZNET:

envid: S112864043
Year: 1996
GEPAID: CAC001059208
Contact: VOLKSWAGEN OF AMERICA
Telephone: 2483405500
Mailing Name: Not reported
Mailing Address: CORE RESOURCE INC
Mailing City,St,Zip: AUBURN HILLS, MI 483262829
Gen County: Not reported
TSD EPA ID: CAT000646117
TSD County: Not reported
Waste Category: Polychlorinated biphenyls and material containing PCBs
Disposal Method: Disposal, Land Fill
Tons: 83.3272
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: S112864043
Year: 1996
GEPAID: CAC001059208
Contact: VOLKSWAGEN OF AMERICA
Telephone: 2483405500
Mailing Name: Not reported
Mailing Address: CORE RESOURCE INC
Mailing City,St,Zip: AUBURN HILLS, MI 483262829
Gen County: Not reported
TSD EPA ID: CAT000646117
TSD County: Not reported
Waste Category: Liquids with polychloronated biphenyls >= 50 Mg./L
Disposal Method: Transfer Station
Tons: 14.5950
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

U131
West
1/8-1/4
0.198 mi.
1044 ft.

OMNIA
903 N VICTORY BLVD
BURBANK, CA 91502

Site 2 of 14 in cluster U

HAZNET
WIP

S106768379
N/A

Relative:
Higher

Actual:
587 ft.

HAZNET:

envid: S106768379
Year: 2013
GEPAID: CAC002731287
Contact: STEVE WAHLEN
Telephone: 8188431620
Mailing Name: Not reported
Mailing Address: 903 N. VICTORY BLVD.
Mailing City,St,Zip: BURBANK, CA 91502
Gen County: Los Angeles
TSD EPA ID: CAD981427669
TSD County: Los Angeles
Waste Category: Not reported
Disposal Method: Other Recovery Of Reclamation For Reuse Including Acid Regeneration,
Organics Recovery Ect
Tons: 0.0152
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Not reported

envid: S106768379
Year: 2013
GEPAID: CAC002731287
Contact: STEVE WAHLEN
Telephone: 8188431620
Mailing Name: Not reported
Mailing Address: 903 N. VICTORY BLVD.
Mailing City,St,Zip: BURBANK, CA 91502
Gen County: Los Angeles
TSD EPA ID: CAD008252405
TSD County: Los Angeles
Waste Category: Not reported
Disposal Method: Fuel Blending Prior To Energy Recovery At Another Site
Tons: 0.09
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Not reported

envid: S106768379
Year: 2013
GEPAID: CAC002731287
Contact: STEVE WAHLEN
Telephone: 8188431620
Mailing Name: Not reported
Mailing Address: 903 N. VICTORY BLVD.
Mailing City,St,Zip: BURBANK, CA 91502
Gen County: Los Angeles
TSD EPA ID: CAD028409019
TSD County: Los Angeles
Waste Category: Not reported
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery
(H010-H129) Or (H131-H135)
Tons: 0.0275

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

OMNIA (Continued)

S106768379

Cat Decode: Not reported
Method Decode: Not reported
Facility County: Not reported

envid: S106768379
Year: 2013
GEPAID: CAC002731287
Contact: STEVE WAHLEN
Telephone: 8188431620
Mailing Name: Not reported
Mailing Address: 903 N. VICTORY BLVD.
Mailing City,St,Zip: BURBANK, CA 91502
Gen County: Los Angeles
TSD EPA ID: CAD028409019
TSD County: Los Angeles
Waste Category: Not reported
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery
(H010-H129) Or (H131-H135)

Tons: 0.0417
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Not reported

WIP:

Region: 4
File Number: 110.1532
File Status: Historical
Staff: ACARLOS
Facility Suite: Not reported

X132 L & M BLACK OXIDE CO INC
WNW 1019 VICTORY PL
1/8-1/4 BURBANK, CA 91502
0.199 mi.
1050 ft. Site 1 of 8 in cluster X

CPS-SLIC 1000122686
RCRA NonGen / NLR CAD008339228
ENF
WIP

Relative:
Higher

Actual:
592 ft.

CPS-SLIC:
Region: STATE
Facility Status: Completed - Case Closed
Status Date: 10/29/2014
Global Id: SL603798613
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number: Not reported
Latitude: 34.1859
Longitude: -118.3216
Case Type: Cleanup Program Site
Case Worker: GJH
Local Agency: Not reported
RB Case Number: 104.0640
File Location: Not reported
Potential Media Affected: Aquifer used for drinking water supply
Potential Contaminants of Concern: Not reported
Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

L & M BLACK OXIDE CO INC (Continued)

1000122686

RCRA NonGen / NLR:

Date form received by agency: 04/10/1984
Facility name: L & M BLACK OXIDE CO INC
Facility address: 1019 VICTORY PL
BURBANK, CA 91502
EPA ID: CAD008339228
Mailing address: VICTORY PL
BURBANK, CA 91502
Contact: ENVIRONMENTAL MANAGER
Contact address: 1019 VICTORY PL
BURBANK, CA 91502
Contact country: US
Contact telephone: 818-845-2654
Contact email: Not reported
EPA Region: 09
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

L & M BLACK OXIDE CO INC (Continued)

1000122686

User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

ENF:

Region: 4
Facility Id: 235637
Agency Name: L&M Black Oxide Company Inc
Place Type: Facility
Place Subtype: Not reported
Facility Type: Not reported
Agency Type: Privately-Owned Business
Of Agencies: 1
Place Latitude: 34.166638
Place Longitude: -118.307741
SIC Code 1: Not reported
SIC Desc 1: Not reported
SIC Code 2: Not reported
SIC Desc 2: Not reported
SIC Code 3: Not reported
SIC Desc 3: Not reported
NAICS Code 1: Not reported
NAICS Desc 1: Not reported
NAICS Code 2: Not reported
NAICS Desc 2: Not reported
NAICS Code 3: Not reported
NAICS Desc 3: Not reported
Of Places: 1
Source Of Facility: Reg Meas
Design Flow: Not reported
Threat To Water Quality: Not reported
Complexity: Not reported
Pretreatment: Not reported
Facility Waste Type: Not reported
Facility Waste Type 2: Not reported
Facility Waste Type 3: Not reported
Facility Waste Type 4: Not reported
Program: WIP
Program Category1: MONITORING
Program Category2: MONITORING
Of Programs: 1
WDID: 4WIP1040640
Reg Measure Id: 161465
Reg Measure Type: Unregulated
Region: 4
Order #: Not reported
Npdes# CA#: Not reported
Major-Minor: Not reported
Npdes Type: Not reported
Reclamation: Not reported
Dredge Fill Fee: Not reported
301H: Not reported
Application Fee Amt Received: Not reported
Status: Historical

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

L & M BLACK OXIDE CO INC (Continued)

1000122686

Status Date:	06/17/2005
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	255502
Region:	4
Order / Resolution Number:	13267 Letter
Enforcement Action Type:	13267 Letter
Effective Date:	05/11/2005
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	05/11/2005
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 4WIP1040640
Description:	13267 Letter sent 5/11/05 for overdue Chromium VI investigation workplan.
Program:	WIP
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	\$0.00
Initial Assessed Amount:	\$0.00
Liability \$ Amount:	\$0.00
Project \$ Amount:	\$0.00
Liability \$ Paid:	\$0.00
Project \$ Completed:	\$0.00
Total \$ Paid/Completed Amount:	\$0.00
Region:	4
Facility Id:	235637
Agency Name:	L&M Black Oxide Company Inc
Place Type:	Facility
Place Subtype:	Not reported
Facility Type:	Not reported
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	34.166638
Place Longitude:	-118.307741
SIC Code 1:	Not reported
SIC Desc 1:	Not reported
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

L & M BLACK OXIDE CO INC (Continued)

1000122686

NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	WIP
Program Category1:	MONITORING
Program Category2:	MONITORING
# Of Programs:	1
WDID:	4WIP1040640
Reg Measure Id:	161465
Reg Measure Type:	Unregulated
Region:	4
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	06/17/2005
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	252641
Region:	4
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	13267 Letter
Effective Date:	06/24/2004
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Withdrawn
Title:	Enforcement - 4WIP1040640

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

L & M BLACK OXIDE CO INC (Continued)

1000122686

Description: 13267 Letter sent 6/24/04 for overdue Chromium VI investigation workplan.

Program: WIP

Latest Milestone Completion Date: Not reported

Of Programs1: 1

Total Assessment Amount: \$0.00

Initial Assessed Amount: \$0.00

Liability \$ Amount: \$0.00

Project \$ Amount: \$0.00

Liability \$ Paid: \$0.00

Project \$ Completed: \$0.00

Total \$ Paid/Completed Amount: \$0.00

Region: 4

Facility Id: 235637

Agency Name: L&M Black Oxide Company Inc

Place Type: Facility

Place Subtype: Not reported

Facility Type: Not reported

Agency Type: Privately-Owned Business

Of Agencies: 1

Place Latitude: 34.166638

Place Longitude: -118.307741

SIC Code 1: Not reported

SIC Desc 1: Not reported

SIC Code 2: Not reported

SIC Desc 2: Not reported

SIC Code 3: Not reported

SIC Desc 3: Not reported

NAICS Code 1: Not reported

NAICS Desc 1: Not reported

NAICS Code 2: Not reported

NAICS Desc 2: Not reported

NAICS Code 3: Not reported

NAICS Desc 3: Not reported

Of Places: 1

Source Of Facility: Reg Meas

Design Flow: Not reported

Threat To Water Quality: Not reported

Complexity: Not reported

Pretreatment: Not reported

Facility Waste Type: Not reported

Facility Waste Type 2: Not reported

Facility Waste Type 3: Not reported

Facility Waste Type 4: Not reported

Program: WIP

Program Category1: MONITORING

Program Category2: MONITORING

Of Programs: 1

WDID: 4WIP1040640

Reg Measure Id: 161465

Reg Measure Type: Unregulated

Region: 4

Order #: Not reported

Npdes# CA#: Not reported

Major-Minor: Not reported

Npdes Type: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

L & M BLACK OXIDE CO INC (Continued)

1000122686

Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	06/17/2005
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	220818
Region:	4
Order / Resolution Number:	13267 Letter
Enforcement Action Type:	13267 Letter
Effective Date:	11/09/2000
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	11/09/2000
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 4WIP1040640
Description:	Not reported
Program:	WIP
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	\$0.00
Initial Assessed Amount:	\$0.00
Liability \$ Amount:	\$0.00
Project \$ Amount:	\$0.00
Liability \$ Paid:	\$0.00
Project \$ Completed:	\$0.00
Total \$ Paid/Completed Amount:	\$0.00

WIP:

Region:	4
File Number:	104.0640
File Status:	Backlog
Staff:	UNIDENTIFIED
Facility Suite:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

P133
ESE
1/8-1/4
0.199 mi.
1051 ft.
Site 5 of 8 in cluster P

WIP **S106768015**
N/A

Relative: WIP:
Higher Region: 4
Actual: File Number: 109.5638
592 ft. **File Status:** **Historical**
Staff: YRONG
Facility Suite: Not reported

P134
ESE
1/8-1/4
0.199 mi.
1051 ft.
Site 6 of 8 in cluster P

WIP **S106768134**
N/A

Relative: WIP:
Higher Region: 4
Actual: File Number: 109.6695
592 ft. **File Status:** **Historical**
Staff: MPS
Facility Suite: Not reported

T135
WNW
1/8-1/4
0.199 mi.
1051 ft.
Site 5 of 8 in cluster T

WIP **S106764608**
N/A

Relative: WIP:
Higher Region: 4
Actual: File Number: 104.1249
593 ft. **File Status:** **Historical**
Staff: MPS
Facility Suite: Not reported

U136
West
1/8-1/4
0.199 mi.
1053 ft.
Site 3 of 14 in cluster U

HIST UST **U001568349**
N/A

Relative: HIST UST:
Higher File Number: Not reported
Actual: URL: Not reported
589 ft. Region: STATE
Facility ID: 00000003933
Facility Type: Gas Station
Other Type: Not reported
Contact Name: RAY VOELKER
Telephone: 8188495081
Owner Name: UNION OIL COMPANY OF CALIFORNI
Owner Address: 3701 WILSHIRE BOULEVARD-SUITE
Owner City,St,Zip: LOS ANGELES, CA 90010

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SERVICE STATION 0881 (Continued)

U001568349

Total Tanks: 0003

Tank Num: 001
Container Num: 08814
Year Installed: 1967
Tank Capacity: 00000550
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor, Pressure Test, 10

Tank Num: 002
Container Num: 08811
Year Installed: 1967
Tank Capacity: 00009940
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor, Pressure Test, 10

Tank Num: 003
Container Num: 08812
Year Installed: 1967
Tank Capacity: 00009940
Tank Used for: PRODUCT
Type of Fuel: PREMIUM
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor, Pressure Test, 10

U137
West
1/8-1/4
0.199 mi.
1053 ft.

UNION OIL SERVICE STATION 0881
900 W BURBANK BLVD
BURBANK, CA 91502
Site 4 of 14 in cluster U

HIST UST **U001568358**
N/A

Relative:
Higher
Actual:
589 ft.

HIST UST:
File Number: Not reported
URL: Not reported
Region: STATE
Facility ID: 00000055711
Facility Type: Gas Station
Other Type: Not reported
Contact Name: RAY VOELKER
Telephone: 8188495081
Owner Name: UNION OIL COMPANY OF CALIFORNI
Owner Address: 3701 WILSHIRE BOULEVARD - SUIT
Owner City,St,Zip: LOS ANGELES, CA 90010
Total Tanks: 0001

Tank Num: 001
Container Num: 1
Year Installed: Not reported
Tank Capacity: 00000000
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Container Construction Thickness: Not reported
Leak Detection: None

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

U138
West
1/8-1/4
0.199 mi.
1053 ft.
SERVICE STATION 0881
900 WEST BURBANK BLVD
BURBANK, CA 91502
Site 5 of 14 in cluster U

HIST UST **S118415256**
N/A

Relative:
Higher

HIST UST:

Actual:
589 ft.

File Number: 00028F8C
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00028F8C.pdf>
Region: Not reported
Facility ID: Not reported
Facility Type: Not reported
Other Type: Not reported
Contact Name: Not reported
Telephone: Not reported
Owner Name: Not reported
Owner Address: Not reported
Owner City,St,Zip: Not reported
Total Tanks: Not reported

Tank Num: Not reported
Container Num: Not reported
Year Installed: Not reported
Tank Capacity: Not reported
Tank Used for: Not reported
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Not reported

[Click here for Geo Tracker PDF:](#)

U139
West
1/8-1/4
0.199 mi.
1053 ft.
MERCIERS UNOCAL #II
900 W BURBANK BLVD
BURBANK, CA 91506
Site 6 of 14 in cluster U

SWEEPS UST **S101585409**
CA FID UST **N/A**
WIP

Relative:
Higher

SWEEPS UST:

Actual:
589 ft.

Status: Not reported
Comp Number: 900000
Number: Not reported
Board Of Equalization: 44-001057
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-007-900000-000001
Tank Status: Not reported
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: REG UNLEADED
Number Of Tanks: 3

Status: Not reported
Comp Number: 900000
Number: Not reported
Board Of Equalization: 44-001057
Referral Date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MERCIERS UNOCAL #II (Continued)

S101585409

Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-007-900000-000002
Tank Status: Not reported
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: PRM UNLEADED
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 900000
Number: Not reported
Board Of Equalization: 44-001057
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-007-900000-000003
Tank Status: Not reported
Capacity: 550
Active Date: Not reported
Tank Use: OIL
STG: WASTE
Content: WASTE OIL
Number Of Tanks: Not reported

CA FID UST:

Facility ID: 19023213
Regulated By: UTNKA
Regulated ID: Not reported
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 8188482110
Mail To: Not reported
Mailing Address: 12200 SYLVAN
Mailing Address 2: Not reported
Mailing City,St,Zip: BURBANK 91506
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

WIP:

Region: 4
File Number: 104.1002
File Status: **Historical**
Staff: OM
Facility Suite: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

U140
West
1/8-1/4
0.199 mi.
1053 ft.
UNION OIL SERVICE STATION 0881
900 WEST BURBANK BLVD
BURBANK, CA 91502
Site 7 of 14 in cluster U

HIST UST
S118416418
N/A

Relative:
Higher

HIST UST:

Actual:
589 ft.

File Number: 0002824D
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002824D.pdf>
Region: Not reported
Facility ID: Not reported
Facility Type: Not reported
Other Type: Not reported
Contact Name: Not reported
Telephone: Not reported
Owner Name: Not reported
Owner Address: Not reported
Owner City,St,Zip: Not reported
Total Tanks: Not reported

Tank Num: Not reported
Container Num: Not reported
Year Installed: Not reported
Tank Capacity: Not reported
Tank Used for: Not reported
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Not reported

[Click here for Geo Tracker PDF:](#)

Y141
SSW
1/8-1/4
0.202 mi.
1069 ft.
PRECISION MILLING CO
161 W CYPRESS AVE
BURBANK, CA 91502
Site 1 of 3 in cluster Y

LOS ANGELES CO. HMS
NPDES
WDS
WIP
CIWQS
S104733400
N/A

Relative:
Lower

LOS ANGELES CO. HMS:

Actual:
574 ft.

Region: LA
Permit Category: Not reported
Facility Id: 023420-032699
Facility Type: Not reported
Facility Status: OPEN
Area: 3E
Permit Number: Not reported
Permit Status: Not reported

NPDES:

Npdes Number: Not reported
Facility Status: Not reported
Agency Id: Not reported
Region: 4
Regulatory Measure Id: 190663
Order No: Not reported
Regulatory Measure Type: Industrial
Place Id: Not reported
WDID: 4 19I014205
Program Type: Not reported
Adoption Date Of Regulatory Measure: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PRECISION MILLING CO (Continued)

S104733400

Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
RECEIVED DATE:	05/09/2008
PROCESSED DATE:	06/18/1998
STATUS CODE NAME:	Active
STATUS DATE:	06/18/1998
PLACE SIZE:	32500
PLACE SIZE UNIT:	SqFt
FACILITY CONTACT NAME:	Chad Lay
FACILITY CONTACT TITLE:	Manager
FACILITY CONTACT PHONE:	818-842-8139
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	chad.lay@stocksupply.com
OPERATOR NAME:	Precision Milling Co
OPERATOR ADDRESS:	161 W Cypress Ave
OPERATOR CITY:	Burbank
OPERATOR STATE:	California
OPERATOR ZIP:	91502
OPERATOR CONTACT NAME:	Chad Lay
OPERATOR CONTACT TITLE:	Manager
OPERATOR CONTACT PHONE:	818-842-8139
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	chad.lay@stocksupply.com
OPERATOR TYPE:	Private Business
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	California
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	818-842-8139
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESCRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	Y

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PRECISION MILLING CO (Continued)

S104733400

RECEIVING WATER NAME:	all waters
CERTIFIER NAME:	CHAD LAY
CERTIFIER TITLE:	MANAGER
CERTIFICATION DATE:	12-JUN-15
PRIMARY SIC:	2431-Millwork
SECONDARY SIC:	2431-Millwork
TERTIARY SIC:	2431-Millwork
Npdes Number:	CAS000001
Facility Status:	Active
Agency Id:	0
Region:	4
Regulatory Measure Id:	190663
Order No:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place Id:	Not reported
WDID:	4 19I014205
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	06/18/1998
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Precision Milling Co
Discharge Address:	161 W Cypress Ave
Discharge City:	Burbank
Discharge State:	California
Discharge Zip:	91502
RECEIVED DATE:	Not reported
PROCESSED DATE:	Not reported
STATUS CODE NAME:	Not reported
STATUS DATE:	Not reported
PLACE SIZE:	Not reported
PLACE SIZE UNIT:	Not reported
FACILITY CONTACT NAME:	Not reported
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	Not reported
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	Not reported
OPERATOR NAME:	Not reported
OPERATOR ADDRESS:	Not reported
OPERATOR CITY:	Not reported
OPERATOR STATE:	Not reported
OPERATOR ZIP:	Not reported
OPERATOR CONTACT NAME:	Not reported
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	Not reported
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	Not reported
OPERATOR TYPE:	Not reported
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	Not reported
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PRECISION MILLING CO (Continued)

S104733400

EMERGENCY PHONE NO:	Not reported
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	Not reported
RECEIVING WATER NAME:	Not reported
CERTIFIER NAME:	Not reported
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	Not reported
PRIMARY SIC:	Not reported
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported

WDS:

Facility ID:	4 19I014205
Facility Type:	Not reported
Facility Status:	Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number:	CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion:	4
Facility Telephone:	Not reported
Facility Contact:	Not reported
Agency Name:	PRECISION MILLING CO
Agency Address:	Not reported
Agency City,St,Zip:	0
Agency Contact:	Not reported
Agency Telephone:	Not reported
Agency Type:	Not reported
SIC Code:	0
SIC Code 2:	Not reported
Primary Waste Type:	Not reported
Primary Waste:	Not reported
Waste Type2:	Not reported
Waste2:	Not reported
Primary Waste Type:	Not reported
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Design Flow:	0
Baseline Flow:	0
Reclamation:	Not reported
POTW:	Not reported
Treat To Water:	Minor Threat to Water Quality. A violation of a regional board order

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PRECISION MILLING CO (Continued)

S104733400

should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.

Complexity: Category C - Facilities having no waste treatment systems, such as cooling water dischargers or those who must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

WIP:

Region: 4
File Number: 109.5866
File Status: **Historical**
Staff: MPS
Facility Suite: Not reported

CIWQS:

Agency: Precision Milling Co
Agency Address: 161 W Cypress Ave, Burbank, CA 91502
Place/Project Type: Industrial - Millwork
SIC/NAICS: Multiple
Region: 4
Program: INDSTW
Regulatory Measure Status: Active
Regulatory Measure Type: Storm water industrial
Order Number: 2014-0057-DWQ
WDID: 4 19I014205
NPDES Number: CAS000001
Adoption Date: Not reported
Effective Date: 06/18/1998
Termination Date: Not reported
Expiration/Review Date: Not reported
Design Flow: Not reported
Major/Minor: Not reported
Complexity: Not reported
TTWQ: Not reported
Enforcement Actions within 5 years: 4
Violations within 5 years: 5
Latitude: 34.18016
Longitude: -118.31825

T142
WNW
1/8-1/4
0.203 mi.
1070 ft.

STUDIO SPECTRUM INCORPORATED
1056 N LAKE ST
BURBANK, CA 91502
Site 6 of 8 in cluster T

WIP S106764609
N/A

Relative:
Higher

WIP:
Region: 4
File Number: 104.1251
File Status: **Historical**
Staff: MPS
Facility Suite: Not reported

Actual:
594 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

Y143
SSW
1/8-1/4
0.203 mi.
1070 ft.

GEORGIANA
150 W CYPRESS AVE #F
BURBANK, CA 91502

LOS ANGELES CO. HMS
WIP

S104733399
N/A

Site 2 of 3 in cluster Y

Relative:
Lower

LOS ANGELES CO. HMS:

Actual:
573 ft.

Region: LA
Permit Category: Not reported
Facility Id: 023417-032696
Facility Type: Not reported
Facility Status: OPEN
Area: 3E
Permit Number: Not reported
Permit Status: Not reported

WIP:

Region: 4
File Number: 109.6694
File Status: Historical
Staff: MPS
Facility Suite: Not reported

Region: 4
File Number: 109.6253
File Status: Historical
Staff: MPS
Facility Suite: Not reported

Region: 4
File Number: 109.5220
File Status: Historical
Staff: MPS
Facility Suite: Not reported

P144
SE
1/8-1/4
0.209 mi.
1103 ft.

ROADWAY MFG. CO. INC.
33 E ORANGE GROVE AVE
BURBANK, CA 91502

WIP S106768044
N/A

Site 7 of 8 in cluster P

Relative:
Higher

WIP:

Actual:
583 ft.

Region: 4
File Number: 109.5937
File Status: Historical
Staff: LM
Facility Suite: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

S145
South
1/8-1/4
0.209 mi.
1105 ft.
NONE
151 WEST MAGNOLIA BLVD
BURBANK, CA 91502
Site 4 of 6 in cluster S

HIST UST **S118413378**
N/A

Relative: HIST UST:
Lower File Number: 00026FBB
Actual: URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00026FBB.pdf>
569 ft. Region: Not reported
Facility ID: Not reported
Facility Type: Not reported
Other Type: Not reported
Contact Name: Not reported
Telephone: Not reported
Owner Name: Not reported
Owner Address: Not reported
Owner City,St,Zip: Not reported
Total Tanks: Not reported

Tank Num: Not reported
Container Num: Not reported
Year Installed: Not reported
Tank Capacity: Not reported
Tank Used for: Not reported
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Not reported

[Click here for Geo Tracker PDF:](#)

S146
South
1/8-1/4
0.209 mi.
1105 ft.
DEBURRING
151 W MAGNOLIA BLVD
BURBANK, CA 91502
Site 5 of 6 in cluster S

HIST UST **U001568334**
N/A

Relative: HIST UST:
Lower File Number: Not reported
Actual: URL: Not reported
569 ft. Region: STATE
Facility ID: 00000017538
Facility Type: Other
Other Type: MANUFACTURING
Contact Name: ERNEST MARTINEZ
Telephone: 2138492481
Owner Name: INTERNATIONAL ELECTRONIC RESEA
Owner Address: 135 WEST MAGNOLIA BLVD.
Owner City,St,Zip: BURBANK, CA 91502
Total Tanks: 0001

Tank Num: 001
Container Num: 1
Year Installed: 1967
Tank Capacity: 00000435
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: None

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

X147
WNW
1/8-1/4
0.210 mi.
1108 ft.
Site 2 of 8 in cluster X

WIP **S106764496**
N/A

Relative: WIP:
Higher Region: 4
Actual: File Number: 104.0691
593 ft. **File Status:** **Historical**
Staff: MPS
Facility Suite: Not reported

Q148
South
1/8-1/4
0.211 mi.
1113 ft.
Site 4 of 10 in cluster Q

UST **U003776360**
N/A

Relative: UST:
Lower Facility ID: 9677
Actual: Permitting Agency: BURBANK, CITY OF
568 ft. Latitude: 34.1793537
Longitude: -118.3154093

Facility ID: LACoFA0016866
Permitting Agency: Los Angeles County Fire Department
Latitude: 34.17814
Longitude: -118.31544

Q149
South
1/8-1/4
0.211 mi.
1113 ft.
Site 5 of 10 in cluster Q

ENVIROSTOR **S105756682**
VCP **N/A**
HIST UST

Relative: ENVIROSTOR:
Lower Facility ID: 19490250
Actual: Status: No Further Action
568 ft. Status Date: 06/05/2003
Site Code: 301159
Site Type: Voluntary Cleanup
Site Type Detailed: Voluntary Cleanup
Acres: 3
NPL: NO
Regulatory Agencies: HWMP
Lead Agency: HWMP
Program Manager: Not reported
Supervisor: Allan Plaza
Division Branch: Cleanup Chatsworth
Assembly: 43
Senate: 25
Special Program: Voluntary Cleanup Program
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Responsible Party
Latitude: 34.17813
Longitude: -118.3154

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MAGNOLIA POWER PLANT (Continued)

S105756682

APN: 2451-011-900, 2451011900
Past Use: ELECTRIC GENERATION/SUBSTATION
Potential COC: * HALOGENATED SOLVENTS Arsenic Chromium VI
Confirmed COC: NONE SPECIFIED
Potential Description: SOIL
Alias Name: 2451-011-900
Alias Type: APN
Alias Name: 2451011900
Alias Type: APN
Alias Name: 110000525030
Alias Type: EPA (FRS #)
Alias Name: 301159
Alias Type: Project Code (Site Code)
Alias Name: 19490250
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 01/06/2003
Comments: DTSC entered into a VCA with Southern California Public Power Authorities (Docket No. HSA-A 02/03-086) to conduct a Site Characterization and Removal Action Workplan for Magnolia Power Plant Site at 164 West Magnolia Blvd., Burbank.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 06/05/2003
Comments: DTSC completed review of the PEA and concurred with the PEA conclusion and recommendation and terminated that NO FURTHER ACTION is required at the Site.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

VCP:

Facility ID: 19490250
Site Type: Voluntary Cleanup
Site Type Detail: Voluntary Cleanup
Site Mgmt. Req.: NONE SPECIFIED
Acres: 3
National Priorities List: NO
Cleanup Oversight Agencies: HWMP
Lead Agency: HWMP
Lead Agency Description: DTSC - Hazardous Waste Management Program
Project Manager: Not reported
Supervisor: Allan Plaza
Division Branch: Cleanup Chatsworth

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MAGNOLIA POWER PLANT (Continued)

S105756682

Site Code: 301159
Assembly: 43
Senate: 25
Special Programs Code: Voluntary Cleanup Program
Status: No Further Action
Status Date: 06/05/2003
Restricted Use: NO
Funding: Responsible Party
Lat/Long: 34.17813 / -118.3154
APN: 2451-011-900, 2451011900
Past Use: ELECTRIC GENERATION/SUBSTATION
Potential COC: 10003, 30001, 30153
Confirmed COC: NONE SPECIFIED
Potential Description: SOIL
Alias Name: 2451-011-900
Alias Type: APN
Alias Name: 2451011900
Alias Type: APN
Alias Name: 110000525030
Alias Type: EPA (FRS #)
Alias Name: 301159
Alias Type: Project Code (Site Code)
Alias Name: 19490250
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 01/06/2003
Comments: DTSC entered into a VCA with Southern California Public Power Authorities (Docket No. HSA-A 02/03-086) to conduct a Site Characterization and Removal Action Workplan for Magnolia Power Plant Site at 164 West Magnolia Blvd., Burbank.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 06/05/2003
Comments: DTSC completed review of the PEA and concurred with the PEA conclusion and recommendation and terminated that NO FURTHER ACTION is required at the Site.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

HIST UST:

File Number: 00026FB9
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00026FB9.pdf>
Region: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MAGNOLIA POWER PLANT (Continued)

S105756682

Facility ID: Not reported
Facility Type: Not reported
Other Type: Not reported
Contact Name: Not reported
Telephone: Not reported
Owner Name: Not reported
Owner Address: Not reported
Owner City,St,Zip: Not reported
Total Tanks: Not reported

Tank Num: Not reported
Container Num: Not reported
Year Installed: Not reported
Tank Capacity: Not reported
Tank Used for: Not reported
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Not reported

[Click here for Geo Tracker PDF:](#)

Q150
South
1/8-1/4
0.211 mi.
1113 ft.

BURBANK PUBLIC SERVICE DEPT
164 W MAGNOLIA BLVD
BURBANK, CA 91503
Site 6 of 10 in cluster Q

HIST UST **U001568363**
N/A

Relative:
Lower

Actual:
568 ft.

HIST UST:
File Number: Not reported
URL: Not reported
Region: STATE
Facility ID: 00000029228
Facility Type: Other
Other Type: ELECTRIC UTILITY
Contact Name: Not reported
Telephone: 8189539640
Owner Name: CITY OF BURBANK
Owner Address: 164 WEST MAGNOLIA BLVD
Owner City,St,Zip: BURBANK, CA 91503
Total Tanks: 0013

Tank Num: 001
Container Num: D-3
Year Installed: 1971
Tank Capacity: 00040000
Tank Used for: PRODUCT
Type of Fuel: 06
Container Construction Thickness: 1/2
Leak Detection: None

Tank Num: 002
Container Num: D-1
Year Installed: 1968
Tank Capacity: 00020000
Tank Used for: PRODUCT
Type of Fuel: 06
Container Construction Thickness: 5/16
Leak Detection: None

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BURBANK PUBLIC SERVICE DEPT (Continued)

U001568363

Tank Num: 003
Container Num: D-2
Year Installed: 1968
Tank Capacity: 00020000
Tank Used for: PRODUCT
Type of Fuel: 06
Container Construction Thickness: 5/16
Leak Detection: None

Tank Num: 004
Container Num: D-4
Year Installed: 1971
Tank Capacity: 00040000
Tank Used for: PRODUCT
Type of Fuel: 06
Container Construction Thickness: 1/2
Leak Detection: None

Tank Num: 005
Container Num: D-5
Year Installed: 1971
Tank Capacity: 00040000
Tank Used for: PRODUCT
Type of Fuel: 06
Container Construction Thickness: 1/2
Leak Detection: None

Tank Num: 006
Container Num: F-1
Year Installed: 1942
Tank Capacity: 00040000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: 12
Leak Detection: None

Tank Num: 007
Container Num: F-2
Year Installed: 1963
Tank Capacity: 00053000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: 8
Leak Detection: None

Tank Num: 008
Container Num: F-3
Year Installed: Not reported
Tank Capacity: 00004200
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 009
Container Num: F-4
Year Installed: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BURBANK PUBLIC SERVICE DEPT (Continued)

U001568363

Tank Capacity: 00004200
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 010
Container Num: S-1
Year Installed: 1983
Tank Capacity: 00002000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 011
Container Num: G-1
Year Installed: Not reported
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: PREMIUM
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 012
Container Num: G-2
Year Installed: Not reported
Tank Capacity: 00005000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 013
Container Num: G-3
Year Installed: 1983
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: Not reported
Leak Detection: None

Q151
South
1/8-1/4
0.211 mi.
1113 ft.
Relative:
Lower
Actual:
568 ft.

BURBANK CITY, BURBANK WATER & POWER
164 W MAGNOLIA BLVD
BURBANK, CA 91502

Site 7 of 10 in cluster Q

LUST
CPS-SLIC
AST
SWEEPS UST
CA FID UST
CHMIRS
EMI
NPDES
WDS
WIP
CIWQS

S101618665
N/A

LUST:

Lead Agency: BURBANK, CITY OF
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T10000001482

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BURBANK CITY, BURBANK WATER & POWER (Continued)

S101618665

Global Id: T10000001482
Latitude: 34.17814
Longitude: -118.315435
Status: Completed - Case Closed
Status Date: 08/06/2009
Case Worker: Not reported
RB Case Number: Not reported
Local Agency: BURBANK, CITY OF
File Location: Not reported
Local Case Number: Not reported
Potential Media Affect: Not reported
Potential Contaminants of Concern: Not reported
Site History: Not reported

LUST:

Global Id: T10000001482
Contact Type: Local Agency Caseworker
Contact Name: JORGE MARTINEZ
Organization Name: BURBANK, CITY OF
Address: 311 E ORANGE GROVE AVE
City: BURBANK
Email: jmartinez@ci.burbank.ca.us
Phone Number: Not reported

LUST:

Global Id: T10000001482
Status: Completed - Case Closed
Status Date: 08/06/2009

Global Id: T10000001482
Status: Open - Case Begin Date
Status Date: 08/06/2009

CPS-SLIC:

Region: STATE
Facility Status: Open - Inactive
Status Date: 01/28/2016
Global Id: SL603798996
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number: Not reported
Latitude: 34.183049
Longitude: -118.310758
Case Type: Cleanup Program Site
Case Worker: AGH
Local Agency: Not reported
RB Case Number: 109.6261
File Location: Regional Board
Potential Media Affected: Aquifer used for drinking water supply
Potential Contaminants of Concern: Not reported
Site History: This site was previously an electric generation facility since approximately 1939, and later was part of the City of Burbank Public Services Department. It is currently a commercial property with retail, restaurants, and parking.

[Click here to access the California GeoTracker records for this facility:](#)

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BURBANK CITY, BURBANK WATER & POWER (Continued)

S101618665

AST:

Certified Unified Program Agencies: Not reported
Owner: CITY OF BURBANK
Total Gallons: Not reported
CERSID: 10229569
Facility ID: LACoFA0016866
Business Name: BURBANK WATER AND POWER
Phone: 8182383550
Fax: 8182383560
Mailing Address: 164 W MAGNOLIA BLVD
Mailing Address City: BURBANK
Mailing Address State: CA
Mailing Address Zip Code: 91502
Operator Name: Ron Davis
Operator Phone: 8182383550
Owner Phone: 8182383550
Owner Mail Address: 164 W MAGNOLIA BLVD
Owner State: CA
Owner Zip Code: 91502
Owner Country: United States
Property Owner Name: City of Burbank
Property Owner Phone: 8182385800
Property Owner Mailing Address: 275 East Olive Avenue
Property Owner City: Burbank
Property Owner Stat : CA
Property Owner Zip Code: 91502
Property Owner Country: United States
EPAID: CAD980360798

SWEEPS UST:

Status: Active
Comp Number: 9677
Number: 4
Board Of Equalization: Not reported
Referral Date: 06-05-91
Action Date: 06-05-91
Created Date: 06-30-89
Owner Tank Id: D-1
SWRCB Tank Id: 19-007-009677-000001
Tank Status: A
Capacity: 20000
Active Date: 06-05-91
Tank Use: M.V. FUEL
STG: P
Content: JET FUEL
Number Of Tanks: 13

Status: Active
Comp Number: 9677
Number: 4
Board Of Equalization: Not reported
Referral Date: 06-05-91
Action Date: 06-05-91
Created Date: 06-30-89
Owner Tank Id: D-2
SWRCB Tank Id: 19-007-009677-000002

Map ID
Direction
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BURBANK CITY, BURBANK WATER & POWER (Continued)

S101618665

Tank Status: A
Capacity: 20000
Active Date: 06-05-91
Tank Use: M.V. FUEL
STG: P
Content: JET FUEL
Number Of Tanks: Not reported

Status: Active
Comp Number: 9677
Number: 4
Board Of Equalization: Not reported
Referral Date: 06-05-91
Action Date: 06-05-91
Created Date: 06-30-89
Owner Tank Id: D-3
SWRCB Tank Id: 19-007-009677-000003
Tank Status: A
Capacity: 40000
Active Date: 06-05-91
Tank Use: M.V. FUEL
STG: P
Content: JET FUEL
Number Of Tanks: Not reported

Status: Active
Comp Number: 9677
Number: 4
Board Of Equalization: Not reported
Referral Date: 06-05-91
Action Date: 06-05-91
Created Date: 06-30-89
Owner Tank Id: D-4
SWRCB Tank Id: 19-007-009677-000004
Tank Status: A
Capacity: 40000
Active Date: 06-05-91
Tank Use: M.V. FUEL
STG: P
Content: JET FUEL
Number Of Tanks: Not reported

Status: Active
Comp Number: 9677
Number: 4
Board Of Equalization: Not reported
Referral Date: 06-05-91
Action Date: 06-05-91
Created Date: 06-30-89
Owner Tank Id: D-5
SWRCB Tank Id: 19-007-009677-000005
Tank Status: A
Capacity: 1
Active Date: 06-05-91
Tank Use: M.V. FUEL
STG: P
Content: JET FUEL

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BURBANK CITY, BURBANK WATER & POWER (Continued)

S101618665

Number Of Tanks: Not reported

Status: Active
Comp Number: 9677
Number: 4
Board Of Equalization: Not reported
Referral Date: 06-05-91
Action Date: 06-05-91
Created Date: 06-30-89
Owner Tank Id: F-1
SWRCB Tank Id: 19-007-009677-000006
Tank Status: A
Capacity: 1680
Active Date: 06-05-91
Tank Use: OIL
STG: P
Content: FUEL OIL NO
Number Of Tanks: Not reported

Status: Active
Comp Number: 9677
Number: 4
Board Of Equalization: Not reported
Referral Date: 06-05-91
Action Date: 06-05-91
Created Date: 06-30-89
Owner Tank Id: F-2
SWRCB Tank Id: 19-007-009677-000007
Tank Status: A
Capacity: 2226
Active Date: 06-05-91
Tank Use: OIL
STG: P
Content: FUEL OIL NO
Number Of Tanks: Not reported

Status: Active
Comp Number: 9677
Number: 4
Board Of Equalization: Not reported
Referral Date: 06-05-91
Action Date: 06-05-91
Created Date: 06-30-89
Owner Tank Id: F-3
SWRCB Tank Id: 19-007-009677-000008
Tank Status: A
Capacity: 4200
Active Date: 06-05-91
Tank Use: OIL
STG: P
Content: FUEL OIL NO
Number Of Tanks: Not reported

Status: Active
Comp Number: 9677
Number: 4
Board Of Equalization: Not reported

Map ID
Direction
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MAP FINDINGS

Site

Database(s)

EDR ID Number
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BURBANK CITY, BURBANK WATER & POWER (Continued)

S101618665

Referral Date: 06-05-91
Action Date: 06-05-91
Created Date: 06-30-89
Owner Tank Id: F-4
SWRCB Tank Id: 19-007-009677-000009
Tank Status: A
Capacity: 4200
Active Date: 06-05-91
Tank Use: OIL
STG: P
Content: FUEL OIL NO
Number Of Tanks: Not reported

Status: Active
Comp Number: 9677
Number: 4
Board Of Equalization: Not reported
Referral Date: 06-05-91
Action Date: 06-05-91
Created Date: 06-30-89
Owner Tank Id: G-1
SWRCB Tank Id: 19-007-009677-000010
Tank Status: A
Capacity: 10000
Active Date: 06-05-91
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: Active
Comp Number: 9677
Number: 4
Board Of Equalization: Not reported
Referral Date: 06-05-91
Action Date: 06-05-91
Created Date: 06-30-89
Owner Tank Id: G-2
SWRCB Tank Id: 19-007-009677-000011
Tank Status: A
Capacity: 5000
Active Date: 06-05-91
Tank Use: M.V. FUEL
STG: P
Content: DIESEL
Number Of Tanks: Not reported

Status: Active
Comp Number: 9677
Number: 4
Board Of Equalization: Not reported
Referral Date: 06-05-91
Action Date: 06-05-91
Created Date: 06-30-89
Owner Tank Id: G-3
SWRCB Tank Id: 19-007-009677-000012
Tank Status: A

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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

BURBANK CITY, BURBANK WATER & POWER (Continued)

S101618665

Capacity: 10000
Active Date: 06-05-91
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: Active
Comp Number: 9677
Number: 4
Board Of Equalization: Not reported
Referral Date: 06-05-91
Action Date: 06-05-91
Created Date: 06-30-89
Owner Tank Id: S-1
SWRCB Tank Id: 19-007-009677-000013
Tank Status: A
Capacity: 2000
Active Date: 06-05-91
Tank Use: CHEMICAL
STG: P
Content: STODDARDS SO
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 9677
Number: Not reported
Board Of Equalization: Not reported
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-007-009677-000014
Tank Status: Not reported
Capacity: 1000
Active Date: Not reported
Tank Use: OIL
STG: WASTE
Content: WASTE OIL
Number Of Tanks: 1

CA FID UST:

Facility ID: 19001855
Regulated By: UTNKA
Regulated ID: 00029228
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 8189539640
Mail To: Not reported
Mailing Address: 164 W MAGNOLIA BLVD
Mailing Address 2: Not reported
Mailing City,St,Zip: BURBANK 91503
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported

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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BURBANK CITY, BURBANK WATER & POWER (Continued)

S101618665

Comments: Not reported
Status: Active

CHMIRS:

OES Incident Number: 17-0457
OES notification: 01/15/2017
OES Date: Not reported
OES Time: Not reported
Date Completed: Not reported
Property Use: Not reported
Agency Id Number: Not reported
Agency Incident Number: Not reported
Time Notified: Not reported
Time Completed: Not reported
Surrounding Area: Not reported
Estimated Temperature: Not reported
Property Management: Not reported
More Than Two Substances Involved?: Not reported
Resp Agncy Personel # Of Decontaminated: Not reported
Responding Agency Personel # Of Injuries: Not reported
Responding Agency Personel # Of Fatalities: Not reported
Others Number Of Decontaminated: Not reported
Others Number Of Injuries: Not reported
Others Number Of Fatalities: Not reported
Vehicle Make/year: Not reported
Vehicle License Number: Not reported
Vehicle State: Not reported
Vehicle Id Number: Not reported
CA DOT PUC/ICC Number: Not reported
Company Name: Not reported
Reporting Officer Name/ID: Not reported
Report Date: Not reported
Facility Telephone: Not reported
Waterway Involved: Unknown
Waterway: Burbank Western Channel
Spill Site: Other
Cleanup By: Contractor
Containment: Not reported
What Happened: Not reported
Type: Not reported
Measure: Not reported
Other: Not reported
Type: CHEMICAL
Measure: Gal(s)
Other: Not reported
Date/Time: 12
Year: 2017
Agency: Burbank Water & Power
Incident Date: 01/15/2017
Admin Agency: Burbank Fire Department
Amount: Not reported
Contained: No
Site Type: Burbank Western Channel
E Date: Not reported
Substance: Sulfuric Acid, 93%
Quantity Released: 3,600
Unknown: Not reported

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BURBANK CITY, BURBANK WATER & POWER (Continued)

S101618665

Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	No
#2 Pipeline:	No
#3 Pipeline:	No
#1 Vessel >= 300 Tons:	No
#2 Vessel >= 300 Tons:	No
#3 Vessel >= 300 Tons:	No
Evacs:	No
Injuries:	No
Fatals:	No
Comments:	Not reported
Description:	A release of sulfuric acid occurred at the Burbank Water & Power facility in Burbank. The release was discovered by on-site personnel during facility inspections. The Operations Division contacted the Burbank Fire Department for assistance. The Burbank Fire Department and the Los Angeles County Hazardous Materials Division are on-scene and attempting to stop the on-going release. The source of the release has been identified as storage tank #233TK005. The tank has a capacity of 10,000-gallons. At the time of the incident, the tank contained 5,000-gallons of sulfuric acid. The release was contained to facility grounds and may have impacted an on-site storm drain that leads to the Burbank Western Channel. Current actions include the deployment of absorbents and diking off areas, to include the storm drain, to prevent further facility ground impacts. Clean Harbors (contractor) is on-scene and in the process of performing a cleanup with the use of a vacuum truck. No off-site areas have been impacted by the release and no evacuations of personnel required. The cause of the release is currently under investigation.

EMI:	
Year:	1987
County Code:	19
Air Basin:	SC
Facility ID:	24323
Air District Name:	SC
SIC Code:	4911
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	16
Reactive Organic Gases Tons/Yr:	7
Carbon Monoxide Emissions Tons/Yr:	26
NOX - Oxides of Nitrogen Tons/Yr:	343
SOX - Oxides of Sulphur Tons/Yr:	4
Particulate Matter Tons/Yr:	5

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BURBANK CITY, BURBANK WATER & POWER (Continued)

S101618665

Part. Matter 10 Micrometers and Smlr Tons/Yr:5

Year: 1990
County Code: 19
Air Basin: SC
Facility ID: 24323
Air District Name: SC
SIC Code: 4911
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 12
Reactive Organic Gases Tons/Yr: 5
Carbon Monoxide Emissions Tons/Yr: 20
NOX - Oxides of Nitrogen Tons/Yr: 151
SOX - Oxides of Sulphur Tons/Yr: 2
Particulate Matter Tons/Yr: 3
Part. Matter 10 Micrometers and Smlr Tons/Yr:3

Year: 1993
County Code: 19
Air Basin: SC
Facility ID: 25638
Air District Name: SC
SIC Code: 4931
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 30
Reactive Organic Gases Tons/Yr: 13
Carbon Monoxide Emissions Tons/Yr: 18
NOX - Oxides of Nitrogen Tons/Yr: 177
SOX - Oxides of Sulphur Tons/Yr: 19
Particulate Matter Tons/Yr: 4
Part. Matter 10 Micrometers and Smlr Tons/Yr:4

Year: 1995
County Code: 19
Air Basin: SC
Facility ID: 25638
Air District Name: SC
SIC Code: 4931
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 30
Reactive Organic Gases Tons/Yr: 13
Carbon Monoxide Emissions Tons/Yr: 18
NOX - Oxides of Nitrogen Tons/Yr: 177
SOX - Oxides of Sulphur Tons/Yr: 19
Particulate Matter Tons/Yr: 4
Part. Matter 10 Micrometers and Smlr Tons/Yr:4

Year: 1996
County Code: 19
Air Basin: SC
Facility ID: 25638

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BURBANK CITY, BURBANK WATER & POWER (Continued)

S101618665

Air District Name: SC
SIC Code: 4931
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 22
Reactive Organic Gases Tons/Yr: 9
Carbon Monoxide Emissions Tons/Yr: 12
NOX - Oxides of Nitrogen Tons/Yr: 90
SOX - Oxides of Sulphur Tons/Yr: 1
Particulate Matter Tons/Yr: 2
Part. Matter 10 Micrometers and Smllr Tons/Yr:2

Year: 1997
County Code: 19
Air Basin: SC
Facility ID: 25638
Air District Name: SC
SIC Code: 4931
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 34
Reactive Organic Gases Tons/Yr: 11
Carbon Monoxide Emissions Tons/Yr: 16
NOX - Oxides of Nitrogen Tons/Yr: 126
SOX - Oxides of Sulphur Tons/Yr: 1
Particulate Matter Tons/Yr: 3
Part. Matter 10 Micrometers and Smllr Tons/Yr:3

Year: 1998
County Code: 19
Air Basin: SC
Facility ID: 25638
Air District Name: SC
SIC Code: 4931
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 38
Reactive Organic Gases Tons/Yr: 11
Carbon Monoxide Emissions Tons/Yr: 16
NOX - Oxides of Nitrogen Tons/Yr: 126
SOX - Oxides of Sulphur Tons/Yr: 1
Particulate Matter Tons/Yr: 3
Part. Matter 10 Micrometers and Smllr Tons/Yr:3

Year: 1999
County Code: 19
Air Basin: SC
Facility ID: 25638
Air District Name: SC
SIC Code: 4931
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 34

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BURBANK CITY, BURBANK WATER & POWER (Continued)

S101618665

Reactive Organic Gases Tons/Yr:	11
Carbon Monoxide Emissions Tons/Yr:	16
NOX - Oxides of Nitrogen Tons/Yr:	126
SOX - Oxides of Sulphur Tons/Yr:	1
Particulate Matter Tons/Yr:	3
Part. Matter 10 Micrometers and Smllr Tons/Yr:	3
Year:	2000
County Code:	19
Air Basin:	SC
Facility ID:	25638
Air District Name:	SC
SIC Code:	4931
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	34
Reactive Organic Gases Tons/Yr:	11
Carbon Monoxide Emissions Tons/Yr:	16
NOX - Oxides of Nitrogen Tons/Yr:	126
SOX - Oxides of Sulphur Tons/Yr:	1
Particulate Matter Tons/Yr:	3
Part. Matter 10 Micrometers and Smllr Tons/Yr:	3
Year:	2002
County Code:	19
Air Basin:	SC
Facility ID:	25638
Air District Name:	SC
SIC Code:	4911
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	18
Reactive Organic Gases Tons/Yr:	3
Carbon Monoxide Emissions Tons/Yr:	32
NOX - Oxides of Nitrogen Tons/Yr:	38
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	4
Part. Matter 10 Micrometers and Smllr Tons/Yr:	4
Year:	2003
County Code:	19
Air Basin:	SC
Facility ID:	25638
Air District Name:	SC
SIC Code:	4911
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	18
Reactive Organic Gases Tons/Yr:	3
Carbon Monoxide Emissions Tons/Yr:	32
NOX - Oxides of Nitrogen Tons/Yr:	38
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	4
Part. Matter 10 Micrometers and Smllr Tons/Yr:	4

Map ID
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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

BURBANK CITY, BURBANK WATER & POWER (Continued)

S101618665

Year: 2004
County Code: 19
Air Basin: SC
Facility ID: 25638
Air District Name: SC
SIC Code: 4911
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Y
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 18.01415
Reactive Organic Gases Tons/Yr: 2.97
Carbon Monoxide Emissions Tons/Yr: 32.162
NOX - Oxides of Nitrogen Tons/Yr: 37.82733
SOX - Oxides of Sulphur Tons/Yr: 0.01286
Particulate Matter Tons/Yr: 3.69641
Part. Matter 10 Micrometers and Smlr Tons/Yr: 3.68

Year: 2005
County Code: 19
Air Basin: SC
Facility ID: 25638
Air District Name: SC
SIC Code: 4911
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 3.52545
Reactive Organic Gases Tons/Yr: 1.271523025
Carbon Monoxide Emissions Tons/Yr: 37.592
NOX - Oxides of Nitrogen Tons/Yr: 12.6577
SOX - Oxides of Sulphur Tons/Yr: .4764
Particulate Matter Tons/Yr: 5.92907
Part. Matter 10 Micrometers and Smlr Tons/Yr: 5.913794251

Year: 2006
County Code: 19
Air Basin: SC
Facility ID: 128243
Air District Name: SC
SIC Code: 4911
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 142.5575784652031092
Reactive Organic Gases Tons/Yr: 13.047
Carbon Monoxide Emissions Tons/Yr: 7.615
NOX - Oxides of Nitrogen Tons/Yr: 30.77
SOX - Oxides of Sulphur Tons/Yr: 2.91
Particulate Matter Tons/Yr: 24.761
Part. Matter 10 Micrometers and Smlr Tons/Yr: 24.27692

Year: 2006
County Code: 19
Air Basin: SC
Facility ID: 25638
Air District Name: SC
SIC Code: 4911

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Database(s)

EDR ID Number
EPA ID Number

BURBANK CITY, BURBANK WATER & POWER (Continued)

S101618665

Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 3.032431644524540166
Reactive Organic Gases Tons/Yr: .587
Carbon Monoxide Emissions Tons/Yr: 2.324
NOX - Oxides of Nitrogen Tons/Yr: 6.591
SOX - Oxides of Sulphur Tons/Yr: .059
Particulate Matter Tons/Yr: 4.401
Part. Matter 10 Micrometers and Smlr Tons/Yr: 3.774946

Year: 2007
County Code: 19
Air Basin: SC
Facility ID: 128243
Air District Name: SC
SIC Code: 4911
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 142.5575784652031092
Reactive Organic Gases Tons/Yr: 13.047
Carbon Monoxide Emissions Tons/Yr: 7.615
NOX - Oxides of Nitrogen Tons/Yr: 30.77
SOX - Oxides of Sulphur Tons/Yr: 2.91
Particulate Matter Tons/Yr: 24.761
Part. Matter 10 Micrometers and Smlr Tons/Yr: 24.27692

Year: 2007
County Code: 19
Air Basin: SC
Facility ID: 25638
Air District Name: SC
SIC Code: 4911
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 3.032431644524540166
Reactive Organic Gases Tons/Yr: .587
Carbon Monoxide Emissions Tons/Yr: 2.324
NOX - Oxides of Nitrogen Tons/Yr: 6.591
SOX - Oxides of Sulphur Tons/Yr: .059
Particulate Matter Tons/Yr: 4.401
Part. Matter 10 Micrometers and Smlr Tons/Yr: 3.774946

Year: 2008
County Code: 19
Air Basin: SC
Facility ID: 128243
Air District Name: SC
SIC Code: 6513
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 159.0759568518672802
Reactive Organic Gases Tons/Yr: 14.579352625
Carbon Monoxide Emissions Tons/Yr: 3.46

Map ID
Direction
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Elevation

MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

BURBANK CITY, BURBANK WATER & POWER (Continued)

S101618665

NOX - Oxides of Nitrogen Tons/Yr: 30.67
SOX - Oxides of Sulphur Tons/Yr: 3.25
Particulate Matter Tons/Yr: 27.63
Part. Matter 10 Micrometers and Smlr Tons/Yr: 27.10014

Year: 2008
County Code: 19
Air Basin: SC
Facility ID: 25638
Air District Name: SC
SIC Code: 4911
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 3.852212745798508227
Reactive Organic Gases Tons/Yr: .883467
Carbon Monoxide Emissions Tons/Yr: 8.241632
NOX - Oxides of Nitrogen Tons/Yr: 6.05119783020614818
SOX - Oxides of Sulphur Tons/Yr: .090347655
Particulate Matter Tons/Yr: 7.081366
Part. Matter 10 Micrometers and Smlr Tons/Yr: 5.8222098

Year: 2009
County Code: 19
Air Basin: SC
Facility ID: 25638
Air District Name: SC
SIC Code: 4911
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 3.1493535466431299
Reactive Organic Gases Tons/Yr: 1.1326286000000001
Carbon Monoxide Emissions Tons/Yr: 15.293060000000001
NOX - Oxides of Nitrogen Tons/Yr: 6.2212500000000004
SOX - Oxides of Sulphur Tons/Yr: 0.11013530000000001
Particulate Matter Tons/Yr: 8.412039999999999
Part. Matter 10 Micrometers and Smlr Tons/Yr: 6.508058479999999

Year: 2010
County Code: 19
Air Basin: SC
Facility ID: 25638
Air District Name: SC
SIC Code: 4911
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 2.8228532352145401
Reactive Organic Gases Tons/Yr: 0.7465300000000003
Carbon Monoxide Emissions Tons/Yr: 8.7581500000000005
NOX - Oxides of Nitrogen Tons/Yr: 5.7603799999999996
SOX - Oxides of Sulphur Tons/Yr: 8.7064199999999994E-2
Particulate Matter Tons/Yr: 5.7588900000000001
Part. Matter 10 Micrometers and Smlr Tons/Yr: 4.626820659999999

Year: 2011

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BURBANK CITY, BURBANK WATER & POWER (Continued)

S101618665

County Code: 19
Air Basin: SC
Facility ID: 25638
Air District Name: SC
SIC Code: 4911
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 2.1593551678
Reactive Organic Gases Tons/Yr: 0.48106
Carbon Monoxide Emissions Tons/Yr: 6.05379
NOX - Oxides of Nitrogen Tons/Yr: 3.8154
SOX - Oxides of Sulphur Tons/Yr: 0.0655689355
Particulate Matter Tons/Yr: 7.47804
Part. Matter 10 Micrometers and Smllr Tons/Yr: 5.71817586

Year: 2012
County Code: 19
Air Basin: SC
Facility ID: 25638
Air District Name: SC
SIC Code: 4911
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1.1308806793
Reactive Organic Gases Tons/Yr: 0.24958
Carbon Monoxide Emissions Tons/Yr: 3.19074
NOX - Oxides of Nitrogen Tons/Yr: 2.90797
SOX - Oxides of Sulphur Tons/Yr: 0.02305868
Particulate Matter Tons/Yr: 6.4226
Part. Matter 10 Micrometers and Smllr Tons/Yr: 4.60182006

Year: 2012
County Code: 19
Air Basin: SC
Facility ID: 128243
Air District Name: SC
SIC Code: 6513
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 113.77069243
Reactive Organic Gases Tons/Yr: 10.42298
Carbon Monoxide Emissions Tons/Yr: 11.70389
NOX - Oxides of Nitrogen Tons/Yr: 27.7495
SOX - Oxides of Sulphur Tons/Yr: 0.43046
Particulate Matter Tons/Yr: 10.47904
Part. Matter 10 Micrometers and Smllr Tons/Yr: 8.8635185

Year: 2013
County Code: 19
Air Basin: SC
Facility ID: 25638
Air District Name: SC
SIC Code: 4931
Air District Name: SOUTH COAST AQMD

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BURBANK CITY, BURBANK WATER & POWER (Continued)

S101618665

Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0.89095962662
Reactive Organic Gases Tons/Yr: 0.121
Carbon Monoxide Emissions Tons/Yr: 0.7634
NOX - Oxides of Nitrogen Tons/Yr: 1.57072
SOX - Oxides of Sulphur Tons/Yr: 0.00620801
Particulate Matter Tons/Yr: 2.02559
Part. Matter 10 Micrometers and Smlr Tons/Yr: 1.45747252

Year: 2013
County Code: 19
Air Basin: SC
Facility ID: 128243
Air District Name: SC
SIC Code: 6513
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 92.592661357
Reactive Organic Gases Tons/Yr: 8.46326
Carbon Monoxide Emissions Tons/Yr: 8.70474
NOX - Oxides of Nitrogen Tons/Yr: 23.37267
SOX - Oxides of Sulphur Tons/Yr: 0.42926
Particulate Matter Tons/Yr: 6.74966
Part. Matter 10 Micrometers and Smlr Tons/Yr: 5.96865618

Year: 2014
County Code: 19
Air Basin: SC
Facility ID: 128243
Air District Name: SC
SIC Code: 4911
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 50.354476616
Reactive Organic Gases Tons/Yr: 4.69148
Carbon Monoxide Emissions Tons/Yr: 12.69108
NOX - Oxides of Nitrogen Tons/Yr: 8.8038
SOX - Oxides of Sulphur Tons/Yr: 0.09537
Particulate Matter Tons/Yr: 10.4265
Part. Matter 10 Micrometers and Smlr Tons/Yr: 9.12274516

Year: 2014
County Code: 19
Air Basin: SC
Facility ID: 25638
Air District Name: SC
SIC Code: 4931
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0.91361580194
Reactive Organic Gases Tons/Yr: 0.5329
Carbon Monoxide Emissions Tons/Yr: 0.65281
NOX - Oxides of Nitrogen Tons/Yr: 1.35306

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BURBANK CITY, BURBANK WATER & POWER (Continued)

S101618665

SOX - Oxides of Sulphur Tons/Yr: 0.00495
Particulate Matter Tons/Yr: 0.09536
Part. Matter 10 Micrometers and Smlr Tons/Yr: 0.08960382

Year: 2015
County Code: 19
Air Basin: SC
Facility ID: 25638
Air District Name: SC
SIC Code: 4931
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1.2456898715
Reactive Organic Gases Tons/Yr: 0.59342599
Carbon Monoxide Emissions Tons/Yr: 0.85321432
NOX - Oxides of Nitrogen Tons/Yr: 1.4693059
SOX - Oxides of Sulphur Tons/Yr: 0.008409434
Particulate Matter Tons/Yr: 0.166955968
Part. Matter 10 Micrometers and Smlr Tons/Yr: 0.15630364112

Year: 2015
County Code: 19
Air Basin: SC
Facility ID: 128243
Air District Name: SC
SIC Code: 4911
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 50.658651467
Reactive Organic Gases Tons/Yr: 4.74150835
Carbon Monoxide Emissions Tons/Yr: 13.629776795
NOX - Oxides of Nitrogen Tons/Yr: 34.4931844
SOX - Oxides of Sulphur Tons/Yr: 0.0958786
Particulate Matter Tons/Yr: 9.241493225
Part. Matter 10 Micrometers and Smlr Tons/Yr: 8.302754296

NPDES:

Npdes Number: Not reported
Facility Status: Not reported
Agency Id: Not reported
Region: 4
Regulatory Measure Id: 188717
Order No: Not reported
Regulatory Measure Type: Industrial
Place Id: Not reported
WDID: 4 19I000949
Program Type: Not reported
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: Not reported
Expiration Date Of Regulatory Measure: Not reported
Termination Date Of Regulatory Measure: Not reported
Discharge Name: Not reported
Discharge Address: Not reported
Discharge City: Not reported
Discharge State: Not reported

Map ID
Direction
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BURBANK CITY, BURBANK WATER & POWER (Continued)

S101618665

Discharge Zip:	Not reported
RECEIVED DATE:	05/09/2008
PROCESSED DATE:	03/23/1992
STATUS CODE NAME:	Active
STATUS DATE:	03/23/1992
PLACE SIZE:	22
PLACE SIZE UNIT:	Acres
FACILITY CONTACT NAME:	Claudia Fierro
FACILITY CONTACT TITLE:	Environmental Safety Manager Acting
FACILITY CONTACT PHONE:	818-238-3510
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	cfierro@burbankca.gov
OPERATOR NAME:	City of Burbank
OPERATOR ADDRESS:	150 N Third Street
OPERATOR CITY:	Burbank
OPERATOR STATE:	California
OPERATOR ZIP:	91502
OPERATOR CONTACT NAME:	Claudia Fierro
OPERATOR CONTACT TITLE:	Environmental Safety Manager Acting
OPERATOR CONTACT PHONE:	818-238-3510
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	cfierro@burbankca.gov
OPERATOR TYPE:	City/Town Agency
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	California
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	818-238-3677
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	N
RECEIVING WATER NAME:	Burbank Western Channel
CERTIFIER NAME:	Lincoln Bleveans
CERTIFIER TITLE:	Assistant General Manager
CERTIFICATION DATE:	27-JAN-17
PRIMARY SIC:	4911-Electric Services
SECONDARY SIC:	3612-Power, Distribution, and Specialty Transformers
TERTIARY SIC:	Not reported

Map ID
Direction
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BURBANK CITY, BURBANK WATER & POWER (Continued)

S101618665

Npdes Number: CAS000001
Facility Status: Active
Agency Id: 0
Region: 4
Regulatory Measure Id: 188717
Order No: 97-03-DWQ
Regulatory Measure Type: Enrollee
Place Id: Not reported
WDID: 4 19I000949
Program Type: Industrial
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: 03/23/1992
Expiration Date Of Regulatory Measure: Not reported
Termination Date Of Regulatory Measure: Not reported
Discharge Name: City of Burbank
Discharge Address: 150 N Third Street
Discharge City: Burbank
Discharge State: California
Discharge Zip: 91502
RECEIVED DATE: Not reported
PROCESSED DATE: Not reported
STATUS CODE NAME: Not reported
STATUS DATE: Not reported
PLACE SIZE: Not reported
PLACE SIZE UNIT: Not reported
FACILITY CONTACT NAME: Not reported
FACILITY CONTACT TITLE: Not reported
FACILITY CONTACT PHONE: Not reported
FACILITY CONTACT PHONE EXT: Not reported
FACILITY CONTACT EMAIL: Not reported
OPERATOR NAME: Not reported
OPERATOR ADDRESS: Not reported
OPERATOR CITY: Not reported
OPERATOR STATE: Not reported
OPERATOR ZIP: Not reported
OPERATOR CONTACT NAME: Not reported
OPERATOR CONTACT TITLE: Not reported
OPERATOR CONTACT PHONE: Not reported
OPERATOR CONTACT PHONE EXT: Not reported
OPERATOR CONTACT EMAIL: Not reported
OPERATOR TYPE: Not reported
DEVELOPER NAME: Not reported
DEVELOPER ADDRESS: Not reported
DEVELOPER CITY: Not reported
DEVELOPER STATE: Not reported
DEVELOPER ZIP: Not reported
DEVELOPER CONTACT NAME: Not reported
DEVELOPER CONTACT TITLE: Not reported
CONSTYPE LINEAR UTILITY IND: Not reported
EMERGENCY PHONE NO: Not reported
EMERGENCY PHONE EXT: Not reported
CONSTYPE ABOVE GROUND IND: Not reported
CONSTYPE BELOW GROUND IND: Not reported
CONSTYPE CABLE LINE IND: Not reported
CONSTYPE COMM LINE IND: Not reported
CONSTYPE COMMERTIAL IND: Not reported
CONSTYPE ELECTRICAL LINE IND: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BURBANK CITY, BURBANK WATER & POWER (Continued)

S101618665

CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESCRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	Not reported
RECEIVING WATER NAME:	Not reported
CERTIFIER NAME:	Not reported
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	Not reported
PRIMARY SIC:	Not reported
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported

WDS:

Facility ID:	Los Angeles River 196000043
Facility Type:	Other - Does not fall into the category of Municipal/Domestic, Industrial, Agricultural or Solid Waste (Class I, II or III)
Facility Status:	Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number:	CAG994001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion:	4
Facility Telephone:	8182383500
Facility Contact:	Albert Lopez
Agency Name:	BURBANK CITY OF PUBLIC SERVICE
Agency Address:	Not reported
Agency City,St,Zip:	0
Agency Contact:	Not reported
Agency Telephone:	Not reported
Agency Type:	City
SIC Code:	4911
SIC Code 2:	Not reported
Primary Waste Type:	Designated/Influent or Solid Wastes that pose a significant threat to water quality because of their high concentrations (E.G., BOD, Hardness, TRF, Chloride). 'Manageable' hazardous wastes (E.G., inorganic salts and heavy metals) are included in this category.
Primary Waste:	MISCEL
Waste Type2:	Not reported
Waste2:	Miscellaneous (Includes wastes from dewatering, recreational lake overflow, swimming pool wastes, water ride wastewater, ground water seepage and other wastes of this type)
Primary Waste Type:	Designated/Influent or Solid Wastes that pose a significant threat to water quality because of their high concentrations (E.G., BOD, Hardness, TRF, Chloride). 'Manageable' hazardous wastes (E.G., inorganic salts and heavy metals) are included in this category.
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Design Flow:	0
Baseline Flow:	0
Reclamation:	No reclamation requirements associated with this facility.
POTW:	The facility is not a POTW.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BURBANK CITY, BURBANK WATER & POWER (Continued)

S101618665

Treat To Water: Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.

Complexity: Category C - Facilities having no waste treatment systems, such as cooling water dischargers or those who must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

WIP:

Region: 4
File Number: 109.6261
File Status: Backlog
Staff: UNIDENTIFIED
Facility Suite: Not reported

CIWQS:

Agency: City of Burbank
Agency Address: 150 N Third Street, Burbank, CA 91502
Place/Project Type: Industrial - Electric Services
SIC/NAICS: Multiple
Region: 4
Program: INDSTW
Regulatory Measure Status: Active
Regulatory Measure Type: Storm water industrial
Order Number: 2014-0057-DWQ
WDID: 4 19I000949
NPDES Number: CAS000001
Adoption Date: Not reported
Effective Date: 03/23/1992
Termination Date: Not reported
Expiration/Review Date: Not reported
Design Flow: Not reported
Major/Minor: Not reported
Complexity: Not reported
TTWQ: Not reported
Enforcement Actions within 5 years: 0
Violations within 5 years: 0
Latitude: 34.17843
Longitude: -118.31659

Q152
South
1/8-1/4
0.211 mi.
1113 ft.

164 W MAGNOLIA BLVD
BURBANK, CA
Site 8 of 10 in cluster Q

AST A100344597
N/A

Relative:
Lower

AST:

Actual:
568 ft.

Certified Unified Program Agencies: Los Angeles County
Owner: CITY OF BURBANK-PUBLIC SERV
Total Gallons: 3702
CERSID: Not reported
Facility ID: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

(Continued)

A100344597

Business Name: Not reported
Phone: Not reported
Fax: Not reported
Mailing Address: Not reported
Mailing Address City: Not reported
Mailing Address State: Not reported
Mailing Address Zip Code: Not reported
Operator Name: Not reported
Operator Phone: Not reported
Owner Phone: Not reported
Owner Mail Address: Not reported
Owner State: Not reported
Owner Zip Code: Not reported
Owner Country: Not reported
Property Owner Name: Not reported
Property Owner Phone: Not reported
Property Owner Mailing Address: Not reported
Property Owner City: Not reported
Property Owner Stat : Not reported
Property Owner Zip Code: Not reported
Property Owner Country: Not reported
EPAID: Not reported

Q153
South
1/8-1/4
0.211 mi.
1113 ft.

BWP BURBANK STATION
164 W MAGNOLIA BLVD # A
BURBANK, CA 91502
Site 9 of 10 in cluster Q

AST A100417925
N/A

Relative:
Lower

Actual:
568 ft.

AST:
Certified Unified Program Agencies: Not reported
Owner: CITY OF BURBANK
Total Gallons: Not reported
CERSID: 10230457
Facility ID: LACoFA0044567
Business Name: BURBANK WATER AND POWER
Phone: 8182690491
Fax: 8182383560
Mailing Address: 164 W. Magnolia Blvd
Mailing Address City: Burbank
Mailing Address State: CA
Mailing Address Zip Code: 91502
Operator Name: Mike Kelley
Operator Phone: 8182383588
Owner Phone: 8182383550
Owner Mail Address: 164 W MAGNOLIA BLVD
Owner State: CA
Owner Zip Code: 91502
Owner Country: United States
Property Owner Name: City of Burbank
Property Owner Phone: 8182385800
Property Owner Mailing Address: 275 East Olive Avenue
Property Owner City: Burbank
Property Owner Stat : CA
Property Owner Zip Code: 91502
Property Owner Country: United States
EPAID: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

Q154
South
1/8-1/4
0.211 mi.
1113 ft.

BURBANK WATER AND POWER
164 W MAGNOLIA BLVD
BURBANK, CA 91503

Site 10 of 10 in cluster Q

RCRA-SQG
PADS
ICIS
US AIRS
LOS ANGELES CO. HMS
WDS

1000440532
CAD980360796

Relative:
Lower

Actual:
568 ft.

RCRA-SQG:

Date form received by agency: 03/07/2016
Facility name: BURBANK WATER AND POWER
Facility address: 164 W MAGNOLIA BLVD
BURBANK, CA 91503
EPA ID: CAD980360796
Mailing address: W MAGNOLIA BLVD
BURBANK, CA 91503
Contact: CLAUDIA FIERRO
Contact address: W MAGNOLIA BLVD
BURBANK, CA 91503
Contact country: US
Contact telephone: 818-238-3510
Contact email: CFIERRO@BURBANKCA.GOV
EPA Region: 09
Land type: Municipal
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: CITY OF BURBANK
Owner/operator address: 275 E. OLIVE AVE.
BURBANK, CA 91502
Owner/operator country: US
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Municipal
Owner/Operator Type: Owner
Owner/Op start date: 07/08/1911
Owner/Op end date: Not reported

Owner/operator name: BURBANK WATER AND POWER
Owner/operator address: W MAGNOLIA BLVD
BURBANK, CA 91503
Owner/operator country: US
Owner/operator telephone: 818-238-3510
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Municipal
Owner/Operator Type: Owner
Owner/Op start date: 07/08/1911
Owner/Op end date: Not reported

Owner/operator name: BURBANK WATER AND POWER
Owner/operator address: W MAGNOLIA BLVD

Map ID
Direction
Distance
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BURBANK WATER AND POWER (Continued)

1000440532

BURBANK, CA 91502
Owner/operator country: US
Owner/operator telephone: 818-238-3510
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Municipal
Owner/Operator Type: Operator
Owner/Op start date: 07/08/1911
Owner/Op end date: Not reported

Owner/operator name: CITY OF BURBANK
Owner/operator address: Not reported
Not reported

Owner/operator country: US
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Municipal
Owner/Operator Type: Operator
Owner/Op start date: 07/08/1911
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: 151
. Waste name: Asbestos-containing waste

. Waste code: 181
. Waste name: Other inorganic solid waste

. Waste code: 221
. Waste name: Waste oil and mixed oil

. Waste code: 223
. Waste name: Unspecified oil-containing waste

. Waste code: 261
. Waste name: Polychlorinated biphenyls and material containing PCB's

. Waste code: 291

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BURBANK WATER AND POWER (Continued)

1000440532

- . Waste name: Latex waste
- . Waste code: 331
- . Waste name: Off-specification, aged, or surplus organics
- . Waste code: 343
- . Waste name: Unspecified organic liquid mixture
- . Waste code: 731
- . Waste name: Liquids with polychlorinated biphenyls > 50 mg/l
- . Waste code: 791
- . Waste name: Liquids with pH < 2
- . Waste code: D001
- . Waste name: IGNITABLE WASTE
- . Waste code: D002
- . Waste name: CORROSIVE WASTE
- . Waste code: D008
- . Waste name: LEAD

Historical Generators:

Date form received by agency: 03/01/2014
Site name: BURBANK WATER AND POWER
Classification: Large Quantity Generator

- . Waste code: D001
- . Waste name: IGNITABLE WASTE
- . Waste code: D002
- . Waste name: CORROSIVE WASTE
- . Waste code: D009
- . Waste name: MERCURY

Date form received by agency: 03/03/2008
Site name: CITY OF BURBANK, WATER AND POWER
Classification: Large Quantity Generator

- . Waste code: D001
- . Waste name: IGNITABLE WASTE
- . Waste code: D002
- . Waste name: CORROSIVE WASTE
- . Waste code: D007
- . Waste name: CHROMIUM
- . Waste code: D008
- . Waste name: LEAD

Date form received by agency: 02/24/2004
Site name: CITY OF BURBANK, WATER AND POWER
Classification: Small Quantity Generator

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Database(s)

EDR ID Number
EPA ID Number

BURBANK WATER AND POWER (Continued)

1000440532

Date form received by agency: 02/24/2004

Site name: CITY OF BURBANK, WATER AND POWER

Classification: Large Quantity Generator

. Waste code: D001

. Waste name: IGNITABLE WASTE

. Waste code: D002

. Waste name: CORROSIVE WASTE

. Waste code: D008

. Waste name: LEAD

. Waste code: D009

. Waste name: MERCURY

Date form received by agency: 10/12/2000

Site name: CITY OF BURBANK PUBLIC SERVICE DEPT

Classification: Large Quantity Generator

Date form received by agency: 03/04/1999

Site name: CITY OF BURBANK PUBLIC SERVICE DEPT.

Classification: Large Quantity Generator

Date form received by agency: 09/01/1996

Site name: CITY OF BURBANK PUBLIC SERVICE

Classification: Large Quantity Generator

Date form received by agency: 08/11/1993

Site name: CITY OF BURBANK PUBLIC SERVICE

Classification: Large Quantity Generator

Violation Status: No violations found

Evaluation Action Summary:

Evaluation date: 08/16/2017

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: Not reported

Date achieved compliance: Not reported

Evaluation lead agency: State

PADS:

EPAID: CAD980360796

Facility name: BURBANK CY OF PUBLIC SVC DEPT

Facility Address: 164 W MAGNOLIA BLVD
BURBANK, CA 91502

Facility country: US

Generator: Yes

Storer: No

Transporter: No

Disposer: No

Research facility: No

Smelter: No

Facility owner name: BURBANK CY OF

Contact title: Not reported

Contact name: TAYLOR BILL

Contact tel: (818)953-3168

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BURBANK WATER AND POWER (Continued)

1000440532

Contact extension: Not reported
Mailing address: 275 E OLIVE AVE
BURBANK, CA 91502
Mailing country: US
Cert. title: Not reported
Cert. name: Not reported
Cert. date: 03/26/1990
Date received: 05/21/1990

ICIS:

Enforcement Action ID: CASCAA200132031
FRS ID: 110000525030
Action Name: NOV P37235 RULES 2004(f)(1), 3002(c)(1)
Facility Name: BURBANK CITY, PUBLIC SERVICES DEPT
Facility Address: 164 W MAGNOLIA BLVD
BURBANK, CA 91502

Enforcement Action Type: Notice of Violation
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 4931
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 34.1784
Longitude in Decimal Degrees: -118.3149
Permit Type Desc: Not reported
Program System Acronym: CASCA00006037CJ018
Facility NAICS Code: 221119
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA000006037CJ66300029
FRS ID: 110000525030
Action Name: BURBANK CITY, BURBANK WATER & POWER SCPP 06037CJ66300029
Facility Name: BURBANK CITY, BURBANK WATER & POWER SCPP
Facility Address: 164 W MAGNOLIA BLVD
BURBANK, CA 915021720

Enforcement Action Type: Administrative Order
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCAAAO
Facility SIC Code: 4911
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 34.1784
Longitude in Decimal Degrees: -118.3149
Permit Type Desc: Not reported
Program System Acronym: CASCA00006037CJ663
Facility NAICS Code: 221119
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA000006037CJ66300028
FRS ID: 110000525030
Action Name: BURBANK CITY, BURBANK WATER & POWER SCPP 06037CJ66300028
Facility Name: BURBANK CITY, BURBANK WATER & POWER SCPP
Facility Address: 164 W MAGNOLIA BLVD
BURBANK, CA 915021720
Enforcement Action Type: Notice of Violation

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BURBANK WATER AND POWER (Continued)

1000440532

Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 4911
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 34.1784
Longitude in Decimal Degrees: -118.3149
Permit Type Desc: Not reported
Program System Acronym: CASCA00006037CJ663
Facility NAICS Code: 221119
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA000006037CJ66300018
FRS ID: 110000525030
Action Name: BURBANK CITY, BURBANK WATER & POWER SCPP 06037CJ66300018
Facility Name: BURBANK CITY, BURBANK WATER & POWER SCPP
Facility Address: 164 W MAGNOLIA BLVD
BURBANK, CA 915021720

Enforcement Action Type: Administrative Order
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCAAAO
Facility SIC Code: 4911
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 34.1784
Longitude in Decimal Degrees: -118.3149
Permit Type Desc: Not reported
Program System Acronym: CASCA00006037CJ663
Facility NAICS Code: 221119
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA000006037CJ66300017
FRS ID: 110000525030
Action Name: BURBANK CITY, BURBANK WATER & POWER SCPP 06037CJ66300017
Facility Name: BURBANK CITY, BURBANK WATER & POWER SCPP
Facility Address: 164 W MAGNOLIA BLVD
BURBANK, CA 915021720

Enforcement Action Type: Notice of Violation
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 4911
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 34.1784
Longitude in Decimal Degrees: -118.3149
Permit Type Desc: Not reported
Program System Acronym: CASCA00006037CJ663
Facility NAICS Code: 221119
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA000006037CJ01800086
FRS ID: 110000525030
Action Name: BURBANK CITY, PUBLIC SERVICES DEPT 06037CJ01800086
Facility Name: BURBANK CITY, PUBLIC SERVICES DEPT

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BURBANK WATER AND POWER (Continued)

1000440532

Facility Address: 164 W MAGNOLIA BLVD
BURBANK, CA 91502

Enforcement Action Type: Administrative Order

Facility County: LOS ANGELES

Program System Acronym: AIR

Enforcement Action Forum Desc: Administrative - Formal

EA Type Code: SCAAAO

Facility SIC Code: 4931

Federal Facility ID: Not reported

Latitude in Decimal Degrees: 34.1784

Longitude in Decimal Degrees: -118.3149

Permit Type Desc: Not reported

Program System Acronym: CASCA00006037CJ018

Facility NAICS Code: 221119

Tribal Land Code: Not reported

Enforcement Action ID: CASCAA000006037CJ01800085

FRS ID: 110000525030

Action Name: BURBANK CITY, PUBLIC SERVICES DEPT 06037CJ01800085

Facility Name: BURBANK CITY, PUBLIC SERVICES DEPT

Facility Address: 164 W MAGNOLIA BLVD
BURBANK, CA 91502

Enforcement Action Type: Notice of Violation

Facility County: LOS ANGELES

Program System Acronym: AIR

Enforcement Action Forum Desc: Administrative - Informal

EA Type Code: NOV

Facility SIC Code: 4931

Federal Facility ID: Not reported

Latitude in Decimal Degrees: 34.1784

Longitude in Decimal Degrees: -118.3149

Permit Type Desc: Not reported

Program System Acronym: CASCA00006037CJ018

Facility NAICS Code: 221119

Tribal Land Code: Not reported

Enforcement Action ID: CASCAA000006037CJ01800077

FRS ID: 110000525030

Action Name: BURBANK CITY, PUBLIC SERVICES DEPT 06037CJ01800077

Facility Name: BURBANK CITY, PUBLIC SERVICES DEPT

Facility Address: 164 W MAGNOLIA BLVD
BURBANK, CA 91502

Enforcement Action Type: Administrative Order

Facility County: LOS ANGELES

Program System Acronym: AIR

Enforcement Action Forum Desc: Administrative - Formal

EA Type Code: SCAAAO

Facility SIC Code: 4931

Federal Facility ID: Not reported

Latitude in Decimal Degrees: 34.1784

Longitude in Decimal Degrees: -118.3149

Permit Type Desc: Not reported

Program System Acronym: CASCA00006037CJ018

Facility NAICS Code: 221119

Tribal Land Code: Not reported

Enforcement Action ID: CASCAA000006037CJ01800076

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BURBANK WATER AND POWER (Continued)

1000440532

FRS ID: 110000525030
Action Name: BURBANK CITY, PUBLIC SERVICES DEPT 06037CJ01800076
Facility Name: BURBANK CITY, PUBLIC SERVICES DEPT
Facility Address: 164 W MAGNOLIA BLVD
BURBANK, CA 91502
Enforcement Action Type: Notice of Violation
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 4931
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 34.1784
Longitude in Decimal Degrees: -118.3149
Permit Type Desc: Not reported
Program System Acronym: CASCA00006037CJ018
Facility NAICS Code: 221119
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA000006037CJ01800060
FRS ID: 110000525030
Action Name: BURBANK CITY, PUBLIC SERVICES DEPT 06037CJ01800060
Facility Name: BURBANK CITY, PUBLIC SERVICES DEPT
Facility Address: 164 W MAGNOLIA BLVD
BURBANK, CA 91502
Enforcement Action Type: Administrative Order
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCAAAO
Facility SIC Code: 4931
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 34.1784
Longitude in Decimal Degrees: -118.3149
Permit Type Desc: Not reported
Program System Acronym: CASCA00006037CJ018
Facility NAICS Code: 221119
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA000006037CJ01800059
FRS ID: 110000525030
Action Name: BURBANK CITY, PUBLIC SERVICES DEPT 06037CJ01800059
Facility Name: BURBANK CITY, PUBLIC SERVICES DEPT
Facility Address: 164 W MAGNOLIA BLVD
BURBANK, CA 91502
Enforcement Action Type: Notice of Violation
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 4931
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 34.1784
Longitude in Decimal Degrees: -118.3149
Permit Type Desc: Not reported
Program System Acronym: CASCA00006037CJ018
Facility NAICS Code: 221119

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BURBANK WATER AND POWER (Continued)

1000440532

Tribal Land Code: Not reported

Enforcement Action ID: CASCAA000006037CJ01800038
FRS ID: 110000525030
Action Name: BURBANK CITY, PUBLIC SERVICES DEPT 06037CJ01800038
Facility Name: BURBANK CITY, PUBLIC SERVICES DEPT
Facility Address: 164 W MAGNOLIA BLVD
BURBANK, CA 91502

Enforcement Action Type: Administrative Order
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCAAAO
Facility SIC Code: 4931
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 34.1784
Longitude in Decimal Degrees: -118.3149
Permit Type Desc: Not reported
Program System Acronym: CASCAA000006037CJ018
Facility NAICS Code: 221119
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA000006037CJ01800037
FRS ID: 110000525030
Action Name: BURBANK CITY, PUBLIC SERVICES DEPT 06037CJ01800037
Facility Name: BURBANK CITY, PUBLIC SERVICES DEPT
Facility Address: 164 W MAGNOLIA BLVD
BURBANK, CA 91502

Enforcement Action Type: Notice of Violation
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 4931
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 34.1784
Longitude in Decimal Degrees: -118.3149
Permit Type Desc: Not reported
Program System Acronym: CASCAA000006037CJ018
Facility NAICS Code: 221119
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA000006037CJ01800027
FRS ID: 110000525030
Action Name: BURBANK CITY, PUBLIC SERVICES DEPT 06037CJ01800027
Facility Name: BURBANK CITY, PUBLIC SERVICES DEPT
Facility Address: 164 W MAGNOLIA BLVD
BURBANK, CA 91502

Enforcement Action Type: Administrative Order
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCAAAO
Facility SIC Code: 4931
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 34.1784
Longitude in Decimal Degrees: -118.3149

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BURBANK WATER AND POWER (Continued)

1000440532

Permit Type Desc: Not reported
Program System Acronym: CASCA00006037CJ018
Facility NAICS Code: 221119
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA000006037CJ01800026
FRS ID: 110000525030
Action Name: BURBANK CITY, PUBLIC SERVICES DEPT 06037CJ01800026
Facility Name: BURBANK CITY, PUBLIC SERVICES DEPT
Facility Address: 164 W MAGNOLIA BLVD
BURBANK, CA 91502

Enforcement Action Type: Notice of Violation
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 4931
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 34.1784
Longitude in Decimal Degrees: -118.3149
Permit Type Desc: Not reported
Program System Acronym: CASCA00006037CJ018
Facility NAICS Code: 221119
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA000006037CJ01800019
FRS ID: 110000525030
Action Name: BURBANK CITY, PUBLIC SERVICES DEPT 06037CJ01800019
Facility Name: BURBANK CITY, PUBLIC SERVICES DEPT
Facility Address: 164 W MAGNOLIA BLVD
BURBANK, CA 91502

Enforcement Action Type: Administrative Order
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCAAAO
Facility SIC Code: 4931
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 34.1784
Longitude in Decimal Degrees: -118.3149
Permit Type Desc: Not reported
Program System Acronym: CASCA00006037CJ018
Facility NAICS Code: 221119
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA000006037CJ01800018
FRS ID: 110000525030
Action Name: BURBANK CITY, PUBLIC SERVICES DEPT 06037CJ01800018
Facility Name: BURBANK CITY, PUBLIC SERVICES DEPT
Facility Address: 164 W MAGNOLIA BLVD
BURBANK, CA 91502

Enforcement Action Type: Notice of Violation
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 4931

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BURBANK WATER AND POWER (Continued)

1000440532

Federal Facility ID: Not reported
Latitude in Decimal Degrees: 34.1784
Longitude in Decimal Degrees: -118.3149
Permit Type Desc: Not reported
Program System Acronym: CASCA00006037CJ018
Facility NAICS Code: 221119
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA000006037CJ01800015
FRS ID: 110000525030
Action Name: BURBANK CITY, PUBLIC SERVICES DEPT 06037CJ01800015
Facility Name: BURBANK CITY, PUBLIC SERVICES DEPT
Facility Address: 164 W MAGNOLIA BLVD
BURBANK, CA 91502

Enforcement Action Type: Administrative Order
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCAAO
Facility SIC Code: 4931
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 34.1784
Longitude in Decimal Degrees: -118.3149
Permit Type Desc: Not reported
Program System Acronym: CASCA00006037CJ018
Facility NAICS Code: 221119
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA000006037CJ01800014
FRS ID: 110000525030
Action Name: BURBANK CITY, PUBLIC SERVICES DEPT 06037CJ01800014
Facility Name: BURBANK CITY, PUBLIC SERVICES DEPT
Facility Address: 164 W MAGNOLIA BLVD
BURBANK, CA 91502

Enforcement Action Type: Notice of Violation
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 4931
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 34.1784
Longitude in Decimal Degrees: -118.3149
Permit Type Desc: Not reported
Program System Acronym: CASCA00006037CJ018
Facility NAICS Code: 221119
Tribal Land Code: Not reported

US AIRS (AFS):
Envid: 1000440532
Region Code: 09
County Code: CA037
Programmatic ID: AIR CASCA00006037CJ018
Facility Registry ID: 110000525030
D and B Number: Not reported
Facility Site Name: BURBANK CITY, PUBLIC SERVICES DEPT

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BURBANK WATER AND POWER (Continued)

1000440532

Primary SIC Code: 4931
NAICS Code: 221119
Default Air Classification Code: MAJ
Facility Type of Ownership Code: CTG
Air CMS Category Code: TVM
HPV Status: Not reported

US AIRS (AFS):

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ018
Facility Registry ID: 110000525030
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: Not reported
Activity Status Date: 2005-10-06 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ018
Facility Registry ID: 110000525030
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: Not reported
Activity Status Date: 2006-12-05 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ018
Facility Registry ID: 110000525030
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: Not reported
Activity Status Date: 2009-09-14 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ018
Facility Registry ID: 110000525030
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: Not reported
Activity Status Date: 2011-09-19 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ018

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BURBANK WATER AND POWER (Continued)

1000440532

Facility Registry ID: 110000525030
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: Not reported
Activity Status Date: 2014-08-05 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ018
Facility Registry ID: 110000525030
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2015-12-17 00:00:00
Activity Status Date: 2016-01-06 12:38:05
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ018
Facility Registry ID: 110000525030
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2015-12-17 00:00:00
Activity Status Date: 2016-01-06 12:46:49
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ018
Facility Registry ID: 110000525030
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1997-10-08 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ018
Facility Registry ID: 110000525030
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1998-02-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BURBANK WATER AND POWER (Continued)

1000440532

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ018
Facility Registry ID: 110000525030
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2004-08-02 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ018
Facility Registry ID: 110000525030
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2004-09-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ018
Facility Registry ID: 110000525030
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2004-09-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ018
Facility Registry ID: 110000525030
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2005-05-03 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ018
Facility Registry ID: 110000525030
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2005-08-23 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BURBANK WATER AND POWER (Continued)

1000440532

Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASCA00006037CJ018
Facility Registry ID:	110000525030
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2005-08-24 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASCA00006037CJ018
Facility Registry ID:	110000525030
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2006-08-03 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASCA00006037CJ018
Facility Registry ID:	110000525030
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2006-08-04 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASCA00006037CJ018
Facility Registry ID:	110000525030
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2007-08-29 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASCA00006037CJ018
Facility Registry ID:	110000525030
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BURBANK WATER AND POWER (Continued)

1000440532

Activity Date: 2008-08-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ018
Facility Registry ID: 110000525030
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2008-12-21 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ018
Facility Registry ID: 110000525030
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2008-12-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ018
Facility Registry ID: 110000525030
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2009-07-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ018
Facility Registry ID: 110000525030
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2009-09-14 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ018
Facility Registry ID: 110000525030

Map ID
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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

BURBANK WATER AND POWER (Continued)

1000440532

Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-08-20 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ018
Facility Registry ID: 110000525030
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-09-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ018
Facility Registry ID: 110000525030
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-09-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ018
Facility Registry ID: 110000525030
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-11-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ018
Facility Registry ID: 110000525030
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-08-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

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Database(s)

EDR ID Number
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BURBANK WATER AND POWER (Continued)

1000440532

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ018
Facility Registry ID: 110000525030
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-08-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ018
Facility Registry ID: 110000525030
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-10-03 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ018
Facility Registry ID: 110000525030
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-10-04 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ018
Facility Registry ID: 110000525030
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2012-08-21 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ018
Facility Registry ID: 110000525030
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2012-08-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring

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Database(s)

EDR ID Number
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BURBANK WATER AND POWER (Continued)

1000440532

Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASCA00006037CJ018
Facility Registry ID:	110000525030
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2012-12-11 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASCA00006037CJ018
Facility Registry ID:	110000525030
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2012-12-20 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASCA00006037CJ018
Facility Registry ID:	110000525030
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2005-08-12 00:00:00
Activity Status Date:	2005-08-12 00:00:00
Activity Group:	Enforcement Action
Activity Type:	Administrative - Formal
Activity Status:	Final Order Issued
Region Code:	09
Programmatic ID:	AIR CASCA00006037CJ018
Facility Registry ID:	110000525030
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2006-06-26 00:00:00
Activity Status Date:	2006-06-26 00:00:00
Activity Group:	Enforcement Action
Activity Type:	Administrative - Formal
Activity Status:	Final Order Issued
Region Code:	09
Programmatic ID:	AIR CASCA00006037CJ018
Facility Registry ID:	110000525030
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards

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Database(s)

EDR ID Number
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BURBANK WATER AND POWER (Continued)

1000440532

Activity Date:	2008-05-23 00:00:00
Activity Status Date:	2008-05-23 00:00:00
Activity Group:	Enforcement Action
Activity Type:	Administrative - Formal
Activity Status:	Final Order Issued
Region Code:	09
Programmatic ID:	AIR CASCA00006037CJ018
Facility Registry ID:	110000525030
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2011-05-13 00:00:00
Activity Status Date:	2011-05-13 00:00:00
Activity Group:	Enforcement Action
Activity Type:	Administrative - Formal
Activity Status:	Final Order Issued
Region Code:	09
Programmatic ID:	AIR CASCA00006037CJ018
Facility Registry ID:	110000525030
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2013-04-25 00:00:00
Activity Status Date:	2013-04-25 00:00:00
Activity Group:	Enforcement Action
Activity Type:	Administrative - Formal
Activity Status:	Final Order Issued
Region Code:	09
Programmatic ID:	AIR CASCA00006037CJ018
Facility Registry ID:	110000525030
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2005-05-03 00:00:00
Activity Status Date:	2005-05-03 00:00:00
Activity Group:	Enforcement Action
Activity Type:	Administrative - Informal
Activity Status:	Achieved
Region Code:	09
Programmatic ID:	AIR CASCA00006037CJ018
Facility Registry ID:	110000525030
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2006-03-24 00:00:00
Activity Status Date:	2006-03-24 00:00:00
Activity Group:	Enforcement Action
Activity Type:	Administrative - Informal
Activity Status:	Achieved
Region Code:	09
Programmatic ID:	AIR CASCA00006037CJ018
Facility Registry ID:	110000525030

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Database(s)

EDR ID Number
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BURBANK WATER AND POWER (Continued)

1000440532

Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2008-01-25 00:00:00
Activity Status Date: 2008-01-25 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ018
Facility Registry ID: 110000525030
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-07-20 00:00:00
Activity Status Date: 2010-07-20 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ018
Facility Registry ID: 110000525030
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2012-12-20 00:00:00
Activity Status Date: 2012-12-20 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ018
Facility Registry ID: 110000525030
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: Not reported
Activity Status Date: 2016-01-06 12:39:41
Activity Group: Case File
Activity Type: Case File
Activity Status: Notified

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ018
Facility Registry ID: 110000525030
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: Not reported
Activity Status Date: 2004-05-19 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

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Database(s)

EDR ID Number
EPA ID Number

BURBANK WATER AND POWER (Continued)

1000440532

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ018
Facility Registry ID: 110000525030
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: Not reported
Activity Status Date: 2004-08-11 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ018
Facility Registry ID: 110000525030
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: Not reported
Activity Status Date: 2005-10-06 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ018
Facility Registry ID: 110000525030
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: Not reported
Activity Status Date: 2006-12-05 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ018
Facility Registry ID: 110000525030
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: Not reported
Activity Status Date: 2009-09-14 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ018
Facility Registry ID: 110000525030
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: Not reported
Activity Status Date: 2011-09-19 00:00:00
Activity Group: Case File

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Database(s)

EDR ID Number
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BURBANK WATER AND POWER (Continued)

1000440532

Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ018
Facility Registry ID: 110000525030
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: Not reported
Activity Status Date: 2014-08-05 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ018
Facility Registry ID: 110000525030
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2014-11-26 00:00:00
Activity Status Date: 2016-01-06 12:43:32
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ018
Facility Registry ID: 110000525030
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2015-12-17 00:00:00
Activity Status Date: 2016-01-06 12:38:05
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ018
Facility Registry ID: 110000525030
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2015-12-17 00:00:00
Activity Status Date: 2016-01-06 12:46:49
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ018
Facility Registry ID: 110000525030
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits

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Database(s)

EDR ID Number
EPA ID Number

BURBANK WATER AND POWER (Continued)

1000440532

Activity Date: 2016-08-30 00:00:00
Activity Status Date: 2016-10-07 13:37:36
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ018
Facility Registry ID: 110000525030
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 1998-02-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ018
Facility Registry ID: 110000525030
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 1999-04-23 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ018
Facility Registry ID: 110000525030
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2000-02-02 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ018
Facility Registry ID: 110000525030
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2000-09-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ018
Facility Registry ID: 110000525030

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EDR ID Number
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BURBANK WATER AND POWER (Continued)

1000440532

Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2000-09-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ018
Facility Registry ID: 110000525030
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2001-01-02 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ018
Facility Registry ID: 110000525030
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2001-09-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ018
Facility Registry ID: 110000525030
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2002-09-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ018
Facility Registry ID: 110000525030
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2002-11-21 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

BURBANK WATER AND POWER (Continued)

1000440532

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ018
Facility Registry ID: 110000525030
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2003-02-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ018
Facility Registry ID: 110000525030
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2003-07-03 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ018
Facility Registry ID: 110000525030
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2003-09-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ018
Facility Registry ID: 110000525030
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2003-09-25 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ018
Facility Registry ID: 110000525030
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2003-09-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring

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Database(s)

EDR ID Number
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BURBANK WATER AND POWER (Continued)

1000440532

Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ018
Facility Registry ID: 110000525030
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2004-08-02 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ018
Facility Registry ID: 110000525030
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2004-09-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ018
Facility Registry ID: 110000525030
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2004-09-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ018
Facility Registry ID: 110000525030
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2004-09-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ018
Facility Registry ID: 110000525030
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits

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Database(s)

EDR ID Number
EPA ID Number

BURBANK WATER AND POWER (Continued)

1000440532

Activity Date: 2005-05-03 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ018
Facility Registry ID: 110000525030
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2005-08-23 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ018
Facility Registry ID: 110000525030
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2005-08-24 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ018
Facility Registry ID: 110000525030
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2006-08-03 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ018
Facility Registry ID: 110000525030
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2006-08-04 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ018
Facility Registry ID: 110000525030

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EDR ID Number
EPA ID Number

BURBANK WATER AND POWER (Continued)

1000440532

Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2006-09-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ018
Facility Registry ID: 110000525030
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2007-08-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ018
Facility Registry ID: 110000525030
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2008-08-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ018
Facility Registry ID: 110000525030
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2008-12-21 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ018
Facility Registry ID: 110000525030
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2008-12-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BURBANK WATER AND POWER (Continued)

1000440532

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ018
Facility Registry ID: 110000525030
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2009-07-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ018
Facility Registry ID: 110000525030
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2009-09-14 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ018
Facility Registry ID: 110000525030
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2010-08-20 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ018
Facility Registry ID: 110000525030
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2010-09-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ018
Facility Registry ID: 110000525030
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2010-09-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BURBANK WATER AND POWER (Continued)

1000440532

Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ018
Facility Registry ID: 110000525030
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2010-11-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ018
Facility Registry ID: 110000525030
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2011-08-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ018
Facility Registry ID: 110000525030
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2011-08-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ018
Facility Registry ID: 110000525030
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2011-10-03 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ018
Facility Registry ID: 110000525030
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BURBANK WATER AND POWER (Continued)

1000440532

Activity Date: 2011-10-04 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ018
Facility Registry ID: 110000525030
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2012-08-21 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ018
Facility Registry ID: 110000525030
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2012-08-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ018
Facility Registry ID: 110000525030
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2012-12-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ018
Facility Registry ID: 110000525030
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2012-12-20 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ018
Facility Registry ID: 110000525030

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BURBANK WATER AND POWER (Continued)

1000440532

Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2015-08-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ018
Facility Registry ID: 110000525030
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2004-03-03 00:00:00
Activity Status Date: 2004-03-03 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ018
Facility Registry ID: 110000525030
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2004-06-11 00:00:00
Activity Status Date: 2004-06-11 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ018
Facility Registry ID: 110000525030
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2005-08-12 00:00:00
Activity Status Date: 2005-08-12 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ018
Facility Registry ID: 110000525030
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2006-06-26 00:00:00
Activity Status Date: 2006-06-26 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BURBANK WATER AND POWER (Continued)

1000440532

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ018
Facility Registry ID: 110000525030
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2008-05-23 00:00:00
Activity Status Date: 2008-05-23 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ018
Facility Registry ID: 110000525030
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2011-05-13 00:00:00
Activity Status Date: 2011-05-13 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ018
Facility Registry ID: 110000525030
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2013-04-25 00:00:00
Activity Status Date: 2013-04-25 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ018
Facility Registry ID: 110000525030
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2003-09-26 00:00:00
Activity Status Date: 2003-09-26 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ018
Facility Registry ID: 110000525030
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2004-02-19 00:00:00
Activity Status Date: 2004-02-19 00:00:00
Activity Group: Enforcement Action

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BURBANK WATER AND POWER (Continued)

1000440532

Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ018
Facility Registry ID: 110000525030
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2005-05-03 00:00:00
Activity Status Date: 2005-05-03 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ018
Facility Registry ID: 110000525030
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2006-03-24 00:00:00
Activity Status Date: 2006-03-24 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ018
Facility Registry ID: 110000525030
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2008-01-25 00:00:00
Activity Status Date: 2008-01-25 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ018
Facility Registry ID: 110000525030
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2010-07-20 00:00:00
Activity Status Date: 2010-07-20 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ018
Facility Registry ID: 110000525030
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BURBANK WATER AND POWER (Continued)

1000440532

Activity Date: 2012-12-20 00:00:00
Activity Status Date: 2012-12-20 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ018
Facility Registry ID: 110000525030
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: Not reported
Activity Status Date: 2014-08-07 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

LOS ANGELES CO. HMS:

Region: LA
Permit Category: T
Facility Id: 009836-009677
Facility Type: 0
Facility Status: Removed
Area: 3E
Permit Number: 00000920T
Permit Status: Removed

WDS:

Facility ID: 4 19I000949
Facility Type: Other - Does not fall into the category of Municipal/Domestic, Industrial, Agricultural or Solid Waste (Class I, II or III)
Facility Status: Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number: CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion: 4
Facility Telephone: 8182383561
Facility Contact: James Malek
Agency Name: BURBANK CITY OF
Agency Address: Not reported
Agency City,St,Zip: Burbank 0
Agency Contact: Not reported
Agency Telephone: Not reported
Agency Type: City
SIC Code: 4911
SIC Code 2: 3612
Primary Waste Type: Designated/Influent or Solid Wastes that pose a significant threat to water quality because of their high concentrations (E.G., BOD, Hardness, TRF, Chloride). 'Manageable' hazardous wastes (E.G., inorganic salts and heavy metals) are included in this category.
Primary Waste: STORMS
Waste Type2: Not reported
Waste2: Stormwater Runoff
Primary Waste Type: Designated/Influent or Solid Wastes that pose a significant threat to

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BURBANK WATER AND POWER (Continued)

1000440532

water quality because of their high concentrations (E.G., BOD, Hardness, TRF, Chloride). 'Manageable' hazardous wastes (E.G., inorganic salts and heavy metals) are included in this category.

Secondary Waste: Not reported

Secondary Waste Type: Not reported

Design Flow: 0

Baseline Flow: 0

Reclamation: No reclamation requirements associated with this facility.

POTW: The facility is not a POTW.

Treat To Water: Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.

Complexity: Category C - Facilities having no waste treatment systems, such as cooling water dischargers or those who must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

X155
WNW
1/8-1/4
0.211 mi.
1113 ft.

PLASTI WARE COMPANY
1033 N VICTORY PL
BURBANK, CA 91502

Site 3 of 8 in cluster X

WIP **S100870937**
N/A

Relative: **Higher**

Actual: **593 ft.**

WIP:

Region: 4

File Number: 104.0851

File Status: **Historical**

Staff: MPS

Facility Suite: Not reported

Z156
NNW
1/8-1/4
0.211 mi.
1116 ft.

PHOTO STOP
1121E N SAN FERNANDO BLVD
BURBANK, CA 91504

Site 1 of 11 in cluster Z

RCRA-SQG **1000415354**
HAZNET **CAD981383201**

Relative: **Higher**

Actual: **611 ft.**

RCRA-SQG:

Date form received by agency: 09/01/1996

Facility name: PHOTO STOP

Facility address: 1121E N SAN FERNANDO BLVD
BURBANK, CA 91504

EPA ID: CAD981383201

Mailing address: N SAN FERNANDO BLVD
BURBANK, CA 91504

Contact: Not reported

Contact address: Not reported
Not reported

Contact country: US

Contact telephone: Not reported

Contact email: Not reported

EPA Region: 09

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PHOTO STOP (Continued)

1000415354

Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NATHAN LOCKMAN
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. Importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

HAZNET:

envid: 1000415354
Year: 1998
GEPAID: CAD981383201

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PHOTO STOP (Continued)

1000415354

Contact: IN W KIM
Telephone: 8188456323
Mailing Name: Not reported
Mailing Address: 1121 N SAN FERNANDO BLVD
Mailing City,St,Zip: BURBANK, CA 915044300
Gen County: Not reported
TSD EPA ID: CAL000121946
TSD County: Not reported
Waste Category: Photochemicals/photoprocessing waste
Disposal Method: Recycler
Tons: 1.5012
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: 1000415354
Year: 1997
GEPAID: CAD981383201
Contact: IN W KIM
Telephone: 8188456323
Mailing Name: Not reported
Mailing Address: 1121 N SAN FERNANDO BLVD
Mailing City,St,Zip: BURBANK, CA 915044300
Gen County: Not reported
TSD EPA ID: CAL000121946
TSD County: Not reported
Waste Category: Photochemicals/photoprocessing waste
Disposal Method: Recycler
Tons: 1.5012
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: 1000415354
Year: 1996
GEPAID: CAD981383201
Contact: IN W KIM
Telephone: 8188456323
Mailing Name: Not reported
Mailing Address: 1121 N SAN FERNANDO BLVD
Mailing City,St,Zip: BURBANK, CA 915044300
Gen County: Not reported
TSD EPA ID: CAL000121946
TSD County: Not reported
Waste Category: Photochemicals/photoprocessing waste
Disposal Method: Recycler
Tons: 1.6263
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: 1000415354
Year: 1995
GEPAID: CAD981383201
Contact: IN W KIM
Telephone: 8188456323
Mailing Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PHOTO STOP (Continued)

1000415354

Mailing Address: 1121 N SAN FERNANDO BLVD
Mailing City,St,Zip: BURBANK, CA 915044300
Gen County: Not reported
TSD EPA ID: CAL000121946
TSD County: Not reported
Waste Category: Photochemicals/photoprocessing waste
Disposal Method: Recycler
Tons: 1.3761
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: 1000415354
Year: 1994
GEPAID: CAD981383201
Contact: IN W KIM
Telephone: 8188456323
Mailing Name: Not reported
Mailing Address: 1121 N SAN FERNANDO BLVD
Mailing City,St,Zip: BURBANK, CA 915044300
Gen County: Not reported
TSD EPA ID: CAD108040858
TSD County: Not reported
Waste Category: Photochemicals/photoprocessing waste
Disposal Method: Recycler
Tons: .1875
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

[Click this hyperlink](#) while viewing on your computer to access
6 additional CA_HAZNET: record(s) in the EDR Site Report.

X157
WNW
1/8-1/4
0.213 mi.
1125 ft.
INTERTEK METALLURGICAL LAB.
1023 N VICTORY PL
BURBANK, CA 91502
Site 4 of 8 in cluster X

WIP S107149306
N/A

Relative: WIP:
Higher Region: 4
File Number: 104.0015
Actual: **File Status:** **Historical**
593 ft. Staff: AVELOZ
Facility Suite: Not reported

T158
WNW
1/8-1/4
0.215 mi.
1134 ft.
FIRING LINE
1060 N LAKE ST
BURBANK, CA 91502
Site 7 of 8 in cluster T

LOS ANGELES CO. HMS S104827538
WIP N/A

Relative: LOS ANGELES CO. HMS:
Higher Region: LA
Permit Category: Not reported
Actual: Facility Id: 025792-035273
596 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FIRING LINE (Continued)

S104827538

Facility Type: Not reported
Facility Status: OPEN
Area: 3E
Permit Number: Not reported
Permit Status: Not reported

WIP:

Region: 4
File Number: 104.1248
File Status: **Historical**
Staff: OM
Facility Suite: Not reported

Region: 4
File Number: 104.0633
File Status: **Historical**
Staff: OM
Facility Suite: Not reported

U159
West
1/8-1/4
0.216 mi.
1138 ft.

PMI PROP MASTER INC
912 ISABEL ST
BURBANK, CA 91506

CPS-SLIC
WIP

S106484793
N/A

Site 8 of 14 in cluster U

Relative:
Higher

Actual:
587 ft.

CPS-SLIC:
Region: STATE
Facility Status: **Completed - Case Closed**
Status Date: 12/22/1995
Global Id: SL603798998
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number: Not reported
Latitude: 34.182969
Longitude: -118.320202
Case Type: Cleanup Program Site
Case Worker: LM
Local Agency: Not reported
RB Case Number: 109.6533
File Location: Not reported
Potential Media Affected: Aquifer used for drinking water supply
Potential Contaminants of Concern: Not reported
Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

WIP:

Region: 4
File Number: 109.6533
File Status: **Active**
Staff: MZAIDI
Facility Suite: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

U160
West
1/8-1/4
0.216 mi.
1138 ft.

AERO INDUSTRIAL CO INC
912 ISABEL ST
BURBANK, CA 91506

RCRA NonGen / NLR
FINDS
ECHO

1000325579
CAD009530916

Site 9 of 14 in cluster U

Relative:
Higher

RCRA NonGen / NLR:

Actual:
587 ft.

Date form received by agency: 07/31/1980
Facility name: AERO INDUSTRIAL CO INC
Facility address: 912 ISABEL ST
BURBANK, CA 91506
EPA ID: CAD009530916
Mailing address: 912 ISABEL STREET
BURBANK, CA 91506
Contact: ENVIRONMENTAL MANAGER
Contact address: 912 ISABEL ST
BURBANK, CA 91506
Contact country: US
Contact telephone: 213-849-3044
Contact email: Not reported
EPA Region: 09
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: AERO INDUSTRIAL CO INC
Owner/operator address: 912 ISABEL STREET
CITY NOT REPORTED, CA 99999
Owner/operator country: Not reported
Owner/operator telephone: 213-849-3044
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: AERO INDUSTRIAL CO INC
Owner/operator address: 912 ISABEL STREET
BURBANK, CA 91506
Owner/operator country: Not reported
Owner/operator telephone: 213-849-3044
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AERO INDUSTRIAL CO INC (Continued)

1000325579

On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002636826

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1000325579
Registry ID: 110002636826
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110002636826>

**X161
WNW
1/8-1/4
0.216 mi.
1139 ft.**

**FOUR X DOCTOR
1031 VICTORY PL
BURBANK, CA 91502

Site 5 of 8 in cluster X**

**RCRA-SQG 1004677131
FINDS CAR000093575
ECHO**

**Relative:
Higher**

RCRA-SQG:

Date form received by agency: 03/05/2001

**Actual:
593 ft.**

Facility name: FOUR X DOCTOR
Facility address: 1031 VICTORY PL
BURBANK, CA 91502-1634

EPA ID: CAR000093575
Contact: MIKE DUNCAN
Contact address: 1031 VICTORY PL
BURBANK, CA 91502-1634

Contact country: US
Contact telephone: 818-845-2194
Contact email: Not reported

EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FOUR X DOCTOR (Continued)

1004677131

Owner/Operator Summary:

Owner/operator name: MICHAEL DUNCAN
Owner/operator address: 1031 VICTORY PL
BURBANK, CA 91502
Owner/operator country: Not reported
Owner/operator telephone: 818-845-2194
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: D000
. Waste name: Not Defined

. Waste code: D039
. Waste name: TETRACHLOROETHYLENE

Violation Status: No violations found

FINDS:

Registry ID: 110012197032

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FOUR X DOCTOR (Continued)

1004677131

Envid: 1004677131
Registry ID: 110012197032
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110012197032>

X162
WNW
1/8-1/4
0.216 mi.
1139 ft.

MIKE DUNCAN'S FOUR X DOCTOR
1031 N VICTORY PL
BURBANK, CA 91502
Site 6 of 8 in cluster X

WIP **S103620947**
N/A

Relative:
Higher

WIP:
Region: 4
File Number: 104.0514
File Status: Historical
Staff: LM
Facility Suite: Not reported

Actual:
593 ft.

AA163
NNW
1/8-1/4
0.216 mi.
1142 ft.

MARJON INDUSTRIES
1120 SCOTT RD
BURBANK, CA 91504
Site 1 of 3 in cluster AA

RCRA-SQG **1000265635**
HIST UST **CAD981379910**
CA FID UST
FINDS
ECHO
WIP

Relative:
Higher

RCRA-SQG:
Date form received by agency: 02/04/1986
Facility name: MARJON INDUSTRIES
Facility address: 1120 SCOTT RD
BURBANK, CA 91504
EPA ID: CAD981379910
Mailing address: SCOTT RD
BURBANK, CA 91504
Contact: ENVIRONMENTAL MANAGER
Contact address: 1120 SCOTT RD
BURBANK, CA 91504
Contact country: US
Contact telephone: 818-845-8564
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MARJON INDUSTRIES (Continued)

1000265635

Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: HOFMANN INDUSTRIES
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999

Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

HIST UST:

File Number: 00027A91
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00027A91.pdf>
Region: STATE
Facility ID: 00000050907
Facility Type: Other
Other Type: MFG. MATERIAL HDLG.
Contact Name: Not reported
Telephone: 8188458564
Owner Name: MARY FUCHS, SYLVIA JASPER, AND
Owner Address: 15601 MEADOW GATE RD.
Owner City,St,Zip: ENCINO, CA 91436
Total Tanks: 0001

Tank Num: 001
Container Num: 1
Year Installed: 1954
Tank Capacity: 00001000
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Container Construction Thickness: 12

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MARJON INDUSTRIES (Continued)

1000265635

Leak Detection: None

Click here for Geo Tracker PDF:

CA FID UST:

Facility ID: 19006134
Regulated By: UTNKA
Regulated ID: 00050907
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 8180000000
Mail To: Not reported
Mailing Address: 1120 SCOTT RD
Mailing Address 2: Not reported
Mailing City,St,Zip: BURBANK 91504
Contact: Not reported
Contact Phone: Not reported
DUNS Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

FINDS:

Registry ID: 110002687307

Environmental Interest/Information System

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ECHO:

Envid: 1000265635
Registry ID: 110002687307
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110002687307>

WIP:

Region: 4
File Number: 104.1314
File Status: Historical
Staff: MPS
Facility Suite: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AA164
NNW
1/8-1/4
0.216 mi.
1142 ft. MARJON INDUSTRIES INC
1120 SCOTT RD
BURBANK, CA 91504
Site 2 of 3 in cluster AA

SWEEPS UST
LOS ANGELES CO. HMS S102057406
N/A

Relative: Higher
Actual: 602 ft.
SWEEPS UST:
Status: Active
Comp Number: 11909
Number: 1
Board Of Equalization: Not reported
Referral Date: 09-24-91
Action Date: 09-24-91
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-007-011909-000001
Tank Status: A
Capacity: 1
Active Date: 09-24-91
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: 1

LOS ANGELES CO. HMS:
Region: LA
Permit Category: T
Facility Id: 011842-011909
Facility Type: 0
Facility Status: Removed
Area: 3E
Permit Number: 00003485T
Permit Status: Removed

P165
SE
1/8-1/4
0.216 mi.
1143 ft. TOUCH-FLO MFG.
59 E ORANGE GROVE AVE
BURBANK, CA 91502
Site 8 of 8 in cluster P

WIP S106767999
N/A

Relative: Higher
Actual: 588 ft.
WIP:
Region: 4
File Number: 109.5466
File Status: Historical
Staff: MPS
Facility Suite: Not reported

AA166
NNW
1/8-1/4
0.217 mi.
1148 ft. CANNON EQUIPMENT INC.
1122 SCOTT RD
BURBANK, CA 91504
Site 3 of 3 in cluster AA

WIP S106764626
N/A

Relative: Higher
Actual: 602 ft.
WIP:
Region: 4
File Number: 104.1315
File Status: Historical
Staff: MPS

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CANNON EQUIPMENT INC. (Continued)

S106764626

Facility Suite: Not reported

AB167
West
1/8-1/4
0.218 mi.
1150 ft.

UNOCAL #0881
900 BURBANK BLVD W
BURBANK, CA 91506

Site 1 of 3 in cluster AB

LUST S114458568
N/A

Relative:
Higher

Actual:
591 ft.

LUST:

Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T10000005385
Global Id: T10000005385
Latitude: 34.183751012239
Longitude: -118.321896291016
Status: Open - Site Assessment
Status Date: 06/20/1994
Case Worker: Not reported
RB Case Number: 104.1002
Local Agency: Not reported
File Location: Not reported
Local Case Number: Not reported
Potential Media Affect: Not reported
Potential Contaminants of Concern: Not reported
Site History: Not reported

LUST:

Global Id: T10000005385
Action Type: Other
Date: 02/01/1994
Action: Leak Reported

Global Id: T10000005385
Action Type: RESPONSE
Date: 08/12/2014
Action: Other Report / Document

Global Id: T10000005385
Action Type: Other
Date: 12/21/1993
Action: Leak Began

Global Id: T10000005385
Action Type: ENFORCEMENT
Date: 08/08/2017
Action: Staff Letter

Global Id: T10000005385
Action Type: Other
Date: 12/21/1993
Action: Leak Discovery

LUST:

Global Id: T10000005385
Status: Open - Case Begin Date
Status Date: 12/21/1993

Global Id: T10000005385

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

UNOCAL #0881 (Continued)

S114458568

Status: Open - Site Assessment
Status Date: 06/20/1994

R168
SSW
1/8-1/4
0.218 mi.
1150 ft.
IMAGE ENGINEERING INC.
632 N VICTORY BLVD
BURBANK, CA 91502
Site 3 of 3 in cluster R

EMI **S106832912**
WIP **N/A**

Relative: EMI:
Lower Year: 1990
County Code: 19
Actual: Air Basin: SC
575 ft. Facility ID: 60557
Air District Name: SC
SIC Code: 7812
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

WIP:
Region: 4
File Number: 109.6583
File Status: Historical
Staff: MPS
Facility Suite: Not reported

169
East
1/8-1/4
0.218 mi.
1152 ft.
EXPRESSLY PORTRAITS INC
201 E MAGNOLIA UNIT 136
BURBANK, CA 91501

RCRA-SQG **1000820201**
FINDS **CAD983662305**
ECHO

Relative: RCRA-SQG:
Higher Date form received by agency: 03/24/1993
Facility name: EXPRESSLY PORTRAITS INC
Facility address: 201 E MAGNOLIA UNIT 136
BURBANK, CA 91501
EPA ID: CAD983662305
Mailing address: TRITON DR STE C
FOSTER CITY, CA 94404
Contact: MEL ORCHARD
Contact address: 1151 TRITON DR STE C
FOSTER CITY, CA 94404
Contact country: US
Contact telephone: 415-578-9291
Contact email: Not reported
EPA Region: 09

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EXPRESSLY PORTRAITS INC (Continued)

1000820201

Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: EXPRESSLY PORTRAITS INC
Owner/operator address: 1151 TRITON DR STE C
FOSTER CITY, CA 94404
Owner/operator country: Not reported
Owner/operator telephone: 415-578-9291
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002894869

Environmental Interest/Information System

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[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EXPRESSLY PORTRAITS INC (Continued)

1000820201

ECHO:

Envid: 1000820201
Registry ID: 110002894869
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110002894869>

U170
West
1/8-1/4
0.219 mi.
1156 ft.

MATO PLASTICS
919 ISABEL ST
BURBANK, CA 91506
Site 10 of 14 in cluster U

WIP S102825380
N/A

Relative:
Higher

WIP:
Region: 4
File Number: 109.5713
File Status: Historical
Staff: MPS
Facility Suite: J

Actual:
588 ft.

U171
West
1/8-1/4
0.219 mi.
1156 ft.

CAL CLIMATE CORP.
919 ISABEL ST
BURBANK, CA 91506
Site 11 of 14 in cluster U

WIP S106767955
N/A

Relative:
Higher

WIP:
Region: 4
File Number: 109.5035
File Status: Historical
Staff: MPS
Facility Suite: D

Actual:
588 ft.

U172
West
1/8-1/4
0.219 mi.
1156 ft.

NORMAN GRIFFIN STUDIO
919 ISABEL ST
BURBANK, CA 91506
Site 12 of 14 in cluster U

WIP S104827477
N/A

Relative:
Higher

WIP:
Region: 4
File Number: 109.6535
File Status: Historical
Staff: MPS
Facility Suite: Not reported

Actual:
588 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

U173
West
1/8-1/4
0.219 mi.
1156 ft.
Site 13 of 14 in cluster U

WIP **S106768107**
N/A

Relative: WIP:
Higher Region: 4
Actual: File Number: 109.6534
588 ft. **File Status:** **Historical**
Staff: MPS
Facility Suite: Not reported

AC174
South
1/8-1/4
0.221 mi.
1167 ft.
Site 1 of 2 in cluster AC

LUST **S104160091**
HIST CORTESE **N/A**

Relative: LUST:
Lower Lead Agency: BURBANK, CITY OF
Actual: Case Type: LUST Cleanup Site
568 ft. Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603702501
Global Id: T0603702501
Latitude: 34.1780599
Longitude: -118.3167637
Status: Completed - Case Closed
Status Date: 11/16/2011
Case Worker: DDD
RB Case Number: 915020070
Local Agency: BURBANK, CITY OF
File Location: Not reported
Local Case Number: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Diesel
Site History: Not reported

LUST:
Global Id: T0603702501
Contact Type: Local Agency Caseworker
Contact Name: DIRK DROSSEL
Organization Name: BURBANK, CITY OF
Address: 311 E ORANGE GROVE AVE
City: BURBANK
Email: ddrossel@ci.burbank.ca.us
Phone Number: Not reported

Global Id: T0603702501
Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

LUST:
Global Id: T0603702501
Action Type: Other
Date: 09/01/1988

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BURBANK PUBLIC SERVICE DEPT. (Continued)

S104160091

Action: Leak Discovery

Global Id: T0603702501

Action Type: Other

Date: 02/09/1998

Action: Leak Stopped

Global Id: T0603702501

Action Type: Other

Date: 10/13/1988

Action: Leak Reported

LUST:

Global Id: T0603702501

Status: Open - Case Begin Date

Status Date: 09/01/1988

Global Id: T0603702501

Status: Open - Site Assessment

Status Date: 12/14/1988

Global Id: T0603702501

Status: Completed - Case Closed

Status Date: 11/16/2011

LUST REG 4:

Region: 4

Regional Board: 04

County: Los Angeles

Facility Id: 915020070

Status: Pollution Characterization

Substance: Diesel

Substance Quantity: Not reported

Local Case No: Not reported

Case Type: Soil

Abatement Method Used at the Site: OT

Global ID: T0603702501

W Global ID: Not reported

Staff: UNK

Local Agency: 19007

Cross Street: LAKE ST

Enforcement Type: Not reported

Date Leak Discovered: 9/1/1988

Date Leak First Reported: 10/13/1988

Date Leak Record Entered: Not reported

Date Confirmation Began: Not reported

Date Leak Stopped: 2/9/1998

Date Case Last Changed on Database: 4/21/1998

Date the Case was Closed: Not reported

How Leak Discovered: Tank Closure

How Leak Stopped: Not reported

Cause of Leak: Corrosion

Leak Source: Tank

Operator: FRANK MILLER

Water System: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BURBANK PUBLIC SERVICE DEPT. (Continued)

S104160091

Well Name: Not reported
Approx. Dist To Production Well (ft): 742.92498267721043636454278603
Source of Cleanup Funding: Tank
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: 12/14/1988
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Enforcement Action Date: Not reported
Historical Max MTBE Date: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: FIRESTONE ENERGY COMPANY
RP Address: 200 PINE AVE., SUITE #514, LONG BEACH, CA 90802
Program: LUST
Lat/Long: 34.1780599 / -1
Local Agency Staff: DB
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: OTHER TANK WAS A DIESEL OIL WASTE OIL TANK 1000 GALLONS, CLEANUP FINISHED 10/13/88 (WASTE OIL ONLY) TREATMENT FOR CLEANUP = ED

HIST CORTESE:

Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: 915020070

T175
WNW
1/8-1/4
0.222 mi.
1173 ft.

WILSONS METAL EXCHANGE INC.
1062 N VICTORY PL
BURBANK, CA 91502

WDS **S103996093**
WIP **N/A**

Site 8 of 8 in cluster T

Relative:
Higher

WDS:

Actual:
595 ft.

Facility ID: 4 19I007209
Facility Type: Other - Does not fall into the category of Municipal/Domestic, Industrial, Agricultural or Solid Waste (Class I, II or III)
Facility Status: Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number: CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion: 4
Facility Telephone: Not reported
Facility Contact: Not reported
Agency Name: WILSONS METAL EXCHANGE INC.
Agency Address: Not reported
Agency City,St,Zip: 0

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WILSONS METAL EXCHANGE INC. (Continued)

S103996093

Agency Contact: Not reported
Agency Telephone: Not reported
Agency Type: Private
SIC Code: 5093
SIC Code 2: Not reported
Primary Waste Type: Designated/Influent or Solid Wastes that pose a significant threat to water quality because of their high concentrations (E.G., BOD, Hardness, TRF, Chloride). 'Manageable' hazardous wastes (E.G., inorganic salts and heavy metals) are included in this category.

Primary Waste: STORMS
Waste Type2: Not reported
Waste2: Stormwater Runoff
Primary Waste Type: Designated/Influent or Solid Wastes that pose a significant threat to water quality because of their high concentrations (E.G., BOD, Hardness, TRF, Chloride). 'Manageable' hazardous wastes (E.G., inorganic salts and heavy metals) are included in this category.

Secondary Waste: Not reported
Secondary Waste Type: Not reported
Design Flow: 0
Baseline Flow: 0
Reclamation: No reclamation requirements associated with this facility.
POTW: The facility is not a POTW.
Treat To Water: Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.

Complexity: Category C - Facilities having no waste treatment systems, such as cooling water dischargers or those who must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

WIP:

Region: 4
File Number: 104.1152
File Status: Historical
Staff: MPS
Facility Suite: Not reported

S176
South
1/8-1/4
0.223 mi.
1176 ft.

ORO AMERICA
413 N. MOSS ST
BURBANK, CA 91502
Site 6 of 6 in cluster S

WIP S106768010
N/A

Relative:
Lower

WIP:

Actual:
570 ft.

Region: 4
File Number: 109.5562
File Status: Backlog
Staff: UNIDENTIFIED
Facility Suite: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

V177
WSW
1/8-1/4
0.223 mi.
1176 ft.

CON-FERR PRODUCTS INC
733 N VICTORY BLVD
BURBANK, CA 91502

LOS ANGELES CO. HMS
WIP

S104735084
N/A

Site 2 of 4 in cluster V

Relative:
Higher

LOS ANGELES CO. HMS:

Actual:
583 ft.

Region: LA
Permit Category: Not reported
Facility Id: 023223-032412
Facility Type: Not reported
Facility Status: OPEN
Area: 3E
Permit Number: Not reported
Permit Status: Not reported

WIP:

Region: 4
File Number: 109.6580
File Status: Historical
Staff: MPS
Facility Suite: Not reported

AD178
SW
1/8-1/4
0.223 mi.
1177 ft.

MEDI RIDE INC
700 N VICTORY BLVD
BURBANK, CA 91506

RCRA-SQG
FINDS
ECHO

1000597529
CAD983615444

Site 1 of 2 in cluster AD

Relative:
Lower

RCRA-SQG:

Actual:
580 ft.

Date form received by agency: 12/30/1991
Facility name: MEDI RIDE INC
Facility address: 700 N VICTORY BLVD
BURBANK, CA 91506
EPA ID: CAD983615444
Mailing address: N VICTORY BLVD
BURBANK, CA 91506
Contact: KEN GREENBLATT
Contact address: 700 N VICTORY BLVD
BURBANK, CA 91506
Contact country: US
Contact telephone: 818-562-6984
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: MEDI RIDE
Owner/operator address: 1427 S GLENDALE AVE
GLENDALE, CA 91205
Owner/operator country: Not reported
Owner/operator telephone: 818-507-0000
Owner/operator email: Not reported
Owner/operator fax: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MEDI RIDE INC (Continued)

1000597529

Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002866328

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1000597529
Registry ID: 110002866328
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110002866328>

AD179
SW
1/8-1/4
0.223 mi.
1177 ft.
ECONOMY ROOF & INSULATION CO
700 N VICTORY BLVD
BURBANK, CA 91502

WIP **S106767991**
N/A

Site 2 of 2 in cluster AD

Relative:
Lower

WIP:
Region: 4
File Number: 109.5386
File Status: Historical
Staff: YRONG

Actual:
580 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ECONOMY ROOF & INSULATION CO (Continued)

S106767991

Facility Suite: Not reported

X180
WNW
1/8-1/4
0.224 mi.
1185 ft.

NELSON AEROSPACE INCORPORATED
1037 N VICTORY PL
BURBANK, CA 91504

WIP S106764630
N/A

Site 7 of 8 in cluster X

Relative:
Higher
Actual:
594 ft.

WIP:
Region: 4
File Number: 104.1330
File Status: Historical
Staff: MPS
Facility Suite: Not reported

U181
West
1/8-1/4
0.228 mi.
1206 ft.

MAGNOLIA HOUSING PROJECT
BURBANK, CA

ENVIROSTOR S107736655
N/A

Site 14 of 14 in cluster U

Relative:
Higher
Actual:
589 ft.

ENVIROSTOR:
Facility ID: 80001032
Status: Inactive - Needs Evaluation
Status Date: 07/01/2005
Site Code: Not reported
Site Type: Military Evaluation
Site Type Detailed: FUDS
Acres: Not reported
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Not reported
Supervisor: Douglas Bautista
Division Branch: Cleanup Cypress
Assembly: 43
Senate: 25
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: DERA
Latitude: 34.18333
Longitude: -118.3222
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CA99799FA42300
Alias Type: Federal Facility ID
Alias Name: J09CA7396
Alias Type: INPR
Alias Name: 80001032
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MAGNOLIA HOUSING PROJECT (Continued)

S107736655

Completed Sub Area Name: Not reported
Completed Document Type: Not reported
Completed Date: Not reported
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

AB182 **95538**
West **923 W BURBANK BLVD**
1/8-1/4 **BURBANK, CA 91506**
0.229 mi.
1211 ft. **Site 2 of 3 in cluster AB**

HIST UST **U001568433**
N/A

Relative:
Higher

HIST UST:

Actual:
592 ft.

File Number: Not reported
URL: Not reported
Region: STATE
Facility ID: 00000062766
Facility Type: Gas Station
Other Type: Not reported
Contact Name: KHOURY,IBRAHIM D.
Telephone: 8188428086
Owner Name: CHEVRON U.S.A. INC.
Owner Address: 575 MARKET
Owner City,St,Zip: SAN FRANCISCO, CA 94105
Total Tanks: 0004

Tank Num: 001
Container Num: 1
Year Installed: 1962
Tank Capacity: 00006000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: 0000250
Leak Detection: Stock Inventor

Tank Num: 002
Container Num: 2
Year Installed: 1962
Tank Capacity: 00006000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: 0000250
Leak Detection: Stock Inventor

Tank Num: 003
Container Num: 3
Year Installed: 1962
Tank Capacity: 00009000
Tank Used for: PRODUCT

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

95538 (Continued)

U001568433

Type of Fuel: Not reported
Container Construction Thickness: 0000250
Leak Detection: Stock Inventor

Tank Num: 004
Container Num: 4
Year Installed: 1962
Tank Capacity: 00000550
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 0000100
Leak Detection: Stock Inventor

AB183
West
1/8-1/4
0.229 mi.
1211 ft.

95538
923 BURBANK BLVD
BURBANK, CA 91506

SWEEPS UST
HIST UST

S106924342
N/A

Site 3 of 3 in cluster AB

Relative:
Higher

SWEEPS UST:

Actual:
592 ft.

Status: Active
Comp Number: 9328
Number: 9
Board Of Equalization: Not reported
Referral Date: 02-06-92
Action Date: 02-06-92
Created Date: 06-30-89
Owner Tank Id: 1
SWRCB Tank Id: 19-007-009328-000001
Tank Status: A
Capacity: 10000
Active Date: 02-06-92
Tank Use: M.V. FUEL
STG: P
Content: LEADED
Number Of Tanks: 3

Status: Active
Comp Number: 9328
Number: 9
Board Of Equalization: Not reported
Referral Date: 02-06-92
Action Date: 02-06-92
Created Date: 06-30-89
Owner Tank Id: 2
SWRCB Tank Id: 19-007-009328-000002
Tank Status: A
Capacity: 10000
Active Date: 02-06-92
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: Active
Comp Number: 9328
Number: 9
Board Of Equalization: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

95538 (Continued)

S106924342

Referral Date: 02-06-92
Action Date: 02-06-92
Created Date: 06-30-89
Owner Tank Id: 3
SWRCB Tank Id: 19-007-009328-000003
Tank Status: A
Capacity: 10000
Active Date: 04-03-92
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

HIST UST:

File Number: 00026DF5
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00026DF5.pdf>
Region: Not reported
Facility ID: Not reported
Facility Type: Not reported
Other Type: Not reported
Contact Name: Not reported
Telephone: Not reported
Owner Name: Not reported
Owner Address: Not reported
Owner City,St,Zip: Not reported
Total Tanks: Not reported

Tank Num: Not reported
Container Num: Not reported
Year Installed: Not reported
Tank Capacity: Not reported
Tank Used for: Not reported
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Not reported

[Click here for Geo Tracker PDF:](#)

**Z184
NNW
1/8-1/4
0.233 mi.
1228 ft.**

**MALY'S OF CALIFORNIA
1121 N SAN FERNANDO BLVD #D
BURBANK, CA 91506
Site 2 of 11 in cluster Z**

**LUST S104538113
LOS ANGELES CO. HMS N/A
WIP**

**Relative:
Higher
Actual:
609 ft.**

LUST:
Lead Agency: STANISLAUS COUNTY
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0609900236
Global Id: T0609900236
Latitude: 37.318558
Longitude: -121.022006
Status: Completed - Case Closed
Status Date: 09/08/1992
Case Worker: ND
RB Case Number: 500292
Local Agency: STANISLAUS COUNTY
File Location: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MALY'S OF CALIFORNIA (Continued)

S104538113

Local Case Number: 8055
Potential Media Affect: Soil
Potential Contaminants of Concern: Diesel
Site History: Not reported

LUST:

Global Id: T0609900236
Contact Type: Local Agency Caseworker
Contact Name: NICOLE DAMIN
Organization Name: STANISLAUS COUNTY
Address: 3800 CORNUCOPIA WAY STE# C
City: MODESTO
Email: ndamin@envres.org
Phone Number: Not reported

Global Id: T0609900236
Contact Type: Regional Board Caseworker
Contact Name: VERA J. FISCHER
Organization Name: CENTRAL VALLEY RWQCB (REGION 5S)
Address: 11020 SUN CENTER DRIVE #200
City: RANCHO CORDOVA
Email: vera.fischer@waterboards.ca.gov
Phone Number: Not reported

LUST:

Global Id: T0609900236
Action Type: ENFORCEMENT
Date: 09/08/1992
Action: Other Report - #9/8/1992

Global Id: T0609900236
Action Type: Other
Date: 09/02/1992
Action: Leak Reported

LUST:

Global Id: T0609900236
Status: Open - Case Begin Date
Status Date: 09/02/1992

Global Id: T0609900236
Status: Completed - Case Closed
Status Date: 09/08/1992

LUST REG 5:

Region: 5
Status: Case Closed
Case Number: 500292
Case Type: Soil only
Substance: DIESEL
Staff Initials: MTS
Lead Agency: Local
Program: LUST
MTBE Code: N/A

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MALY'S OF CALIFORNIA (Continued)

S104538113

LOS ANGELES CO. HMS:

Region: LA
Permit Category: Not reported
Facility Id: 022976-032123
Facility Type: Not reported
Facility Status: OPEN
Area: 3E
Permit Number: Not reported
Permit Status: Not reported

WIP:

Region: 4
File Number: 104.0849
File Status: Historical
Staff: MPS
Facility Suite: Not reported

AE185
WNW
1/8-1/4
0.234 mi.
1235 ft.

CRAFT PRECISION PRODUCTS, INC.
1045 N VICTORY PL
BURBANK, CA 91502

WIP S106764633
N/A

Site 1 of 2 in cluster AE

Relative:
Higher

WIP:

Actual:
595 ft.

Region: 4
File Number: 104.1333
File Status: Historical
Staff: MPS
Facility Suite: Not reported

V186
SW
1/8-1/4
0.235 mi.
1240 ft.

B M S AIRCRAFT CO.
717 N VICTORY BLVD
BURBANK, CA 91502

WIP S106767965
N/A

Site 3 of 4 in cluster V

Relative:
Lower

WIP:

Actual:
581 ft.

Region: 4
File Number: 109.5161
File Status: Historical
Staff: MPS
Facility Suite: Not reported

Z187
NNW
1/8-1/4
0.235 mi.
1243 ft.

RALPHS GROCERY COMPANY #712
1100 N SAN FERNANDO BLVD
BURBANK, CA 91504

RCRA-LQG 1018273726
CAR000259150

Site 3 of 11 in cluster Z

Relative:
Higher

RCRA-LQG:

Actual:
613 ft.

Date form received by agency: 02/12/2016
Facility name: RALPHS GROCERY COMPANY #712
Facility address: 1100 N SAN FERNANDO BLVD
BURBANK, CA 91504

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RALPHS GROCERY COMPANY #712 (Continued)

1018273726

EPA ID: CAR000259150
Mailing address: W ARTESIA BLVD
COMPTON, CA 90220
Contact: SHERRIE WALTERS
Contact address: W ARTESIA BLVD
COMPTON, CA 90220
Contact country: US
Contact telephone: 310-884-4016
Contact email: SHERRIE.WALTERS@RALPHS.COM
EPA Region: 09
Classification: Large Quantity Generator
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name: MICHAEL G HERMAN
Owner/operator address: SANTA MONICA BLVD STE 1600
LOS ANGELES, CA 90067
Owner/operator country: US
Owner/operator telephone: 310-843-9030
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: County
Owner/Operator Type: Owner
Owner/Op start date: 01/01/1965
Owner/Op end date: Not reported

Owner/operator name: RALPHS GROCERY COMPANY
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 01/01/1962
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RALPHS GROCERY COMPANY #712 (Continued)

1018273726

Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: 122
. Waste name: Alkaline solution without metals (pH > 12.5)

. Waste code: 214
. Waste name: Unspecified solvent mixture

. Waste code: 311
. Waste name: Pharmaceutical waste

. Waste code: 331
. Waste name: Off-specification, aged, or surplus organics

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D005
. Waste name: BARIUM

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: P001
. Waste name: 2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3% (OR) WARFARIN, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%

. Waste code: P075
. Waste name: NICOTINE, & SALTS (OR) PYRIDINE, 3-(1-METHYL-2-PYRROLIDINYL)-(S)-, & SALTS

. Waste code: U002
. Waste name: 2-PROPANONE (I) (OR) ACETONE (I)

Violation Status: No violations found

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

Z188
NNW
1/8-1/4
0.235 mi.
1243 ft.

RALPHS #712
1100 N SAN FERNANDO BLVD
BURBANK, CA 91504

Site 4 of 11 in cluster Z

RCRA-LQG
FINDS
ECHO

1019899373
CAL000320938

Relative:
Higher

Actual:
613 ft.

RCRA-LQG:

Date form received by agency: 06/24/2016

Facility name: RALPHS #712

Facility address: 1100 N SAN FERNANDO BLVD
BURBANK, CA 91504

EPA ID: CAL000320938

Mailing address: W ARTESIA BLVD
COMPTON, CA 90220

Contact: SHERRIE WALTERS

Contact address: W ARTESIA BLVD
COMPTON, CA 90220

Contact country: US

Contact telephone: 310-884-4016

Contact email: SHERRIE.WALTERS@RALPHS.COM

EPA Region: 09

Classification: Large Quantity Generator

Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name: RALPHS #712

Owner/operator address: Not reported
Not reported

Owner/operator country: Not reported

Owner/operator telephone: Not reported

Owner/operator email: Not reported

Owner/operator fax: Not reported

Owner/operator extension: Not reported

Legal status: Private

Owner/Operator Type: Operator

Owner/Op start date: 11/01/1956

Owner/Op end date: Not reported

Owner/operator name: MICHAEL G. HERMAN

Owner/operator address: SANTA MONICA BLVD STE 1600
LOS ANGELES, CA 90067

Owner/operator country: US

Owner/operator telephone: 310-843-9030

Owner/operator email: Not reported

Owner/operator fax: Not reported

Owner/operator extension: Not reported

Legal status: Private

Owner/Operator Type: Owner

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RALPHS #712 (Continued)

1019899373

Owner/Op start date: 01/01/1965
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: 121
. Waste name: Alkaline solution (pH >12.5) with metals (antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, molybdenum, nickel, selenium, silver, thallium, vanadium, and zinc)

. Waste code: 122
. Waste name: Alkaline solution without metals (pH > 12.5)

. Waste code: 134
. Waste name: Aqueous solution with <10% total organic residues

. Waste code: 141
. Waste name: Off-specification, aged, or surplus inorganics

. Waste code: 181
. Waste name: Other inorganic solid waste

. Waste code: 221
. Waste name: Waste oil and mixed oil

. Waste code: 223
. Waste name: Unspecified oil-containing waste

. Waste code: 232
. Waste name: Pesticides and other waste associated with pesticide production

. Waste code: 281
. Waste name: Adhesives

. Waste code: 311
. Waste name: Pharmaceutical waste

. Waste code: 331
. Waste name: Off-specification, aged, or surplus organics

. Waste code: 352
. Waste name: Other organic solids

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RALPHS #712 (Continued)

1019899373

- . Waste code: 512
- . Waste name: Other empty containers 30 gallons or more

- . Waste code: 513
- . Waste name: Empty containers less than 30 gallons

- . Waste code: 551
- . Waste name: Laboratory waste chemicals

- . Waste code: 561
- . Waste name: Detergent and soap

- . Waste code: 791
- . Waste name: Liquids with pH < 2

- . Waste code: 792
- . Waste name: Liquids with pH < 2 with metals

- . Waste code: D001
- . Waste name: IGNITABLE WASTE

- . Waste code: D002
- . Waste name: CORROSIVE WASTE

- . Waste code: D005
- . Waste name: BARIUM

- . Waste code: D006
- . Waste name: CADMIUM

- . Waste code: D007
- . Waste name: CHROMIUM

- . Waste code: D008
- . Waste name: LEAD

- . Waste code: D009
- . Waste name: MERCURY

- . Waste code: D010
- . Waste name: SELENIUM

- . Waste code: D011
- . Waste name: SILVER

- . Waste code: D016
- . Waste name: 2,4-D (2,4-DICHLOROPHENOXYACETIC ACID)

- . Waste code: D018
- . Waste name: BENZENE

- . Waste code: D022
- . Waste name: CHLOROFORM

- . Waste code: D024
- . Waste name: M-CRESOL

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RALPHS #712 (Continued)

1019899373

- . Waste code: D026
- . Waste name: CRESOL

- . Waste code: D035
- . Waste name: METHYL ETHYL KETONE

- . Waste code: F001
- . Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

- . Waste code: P001
- . Waste name: 2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3% (OR) WARFARIN, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%

- . Waste code: P075
- . Waste name: NICOTINE, & SALTS (OR) PYRIDINE, 3-(1-METHYL-2-PYRROLIDINYL)-, (S)-, & SALTS

- . Waste code: U002
- . Waste name: 2-PROPANONE (I) (OR) ACETONE (I)

- . Waste code: U010
- . Waste name: AZIRINO [2',3':3,4]PYRROLO[1,2-A]INDOLE-4,7-DIONE, 6-AMINO-8-[[[(AMINOCARBONYL)OXY]METHYL]-1,1A,2,8,8A,8B-HEXAHYDRO-8A-MET HOXY-5-METHYL-, [1AS-(1AALPHA, 8BETA, 8AALPHA, 8BALPHA)]- (OR) MITOMYCIN C

- . Waste code: U035
- . Waste name: BENZENEBUTANOIC ACID, 4-[BIS(2-CHLOROETHYL)AMINO]- (OR) CHLORAMBUCIL

- . Waste code: U044
- . Waste name: CHLOROFORM (OR) METHANE, TRICHLORO-

- . Waste code: U058
- . Waste name: 2H-1,3,2-OXAZAPHOSPHORIN-2-AMINE, N,N-BIS(2-CHLOROETHYL)TETRAHYDRO-, 2-OXIDE (OR) CYCLOPHOSPHAMIDE

- . Waste code: U059
- . Waste name: 5,12-NAPHTHACENEDIONE, 8-ACETYL-10-[(3-AMINO-2,3,6-TRIDEOXY)-ALPHA-L-LYXO-HEXOPYRANOSYL)OXY]- 7,8,9,10-TETRAHYDRO-6,8,11-TRIHYDROXY-1-METHOXY-, (8S-CIS)- (OR) DAUNOMYCIN

- . Waste code: U089
- . Waste name: DIETHYLSTILBESTEROL (OR) PHENOL, 4,4'-(1,2-DIETHYL-1,2-ETHENEDIYL)BIS, (E)-

- . Waste code: U129
- . Waste name: CYCLOHEXANE, 1,2,3,4,5,6-HEXACHLORO-, (1ALPHA, 2ALPHA, 3BETA, 4ALPHA, 5ALPHA, 6BETA)- (OR) LINDANE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RALPHS #712 (Continued)

1019899373

- . Waste code: U132
- . Waste name: HEXACHLOROPHENE (OR) PHENOL, 2,2'-METHYLENEBIS[3,4,6-TRICHLORO-
- . Waste code: U154
- . Waste name: METHANOL (I) (OR) METHYL ALCOHOL (I)
- . Waste code: U159
- . Waste name: 2-BUTANONE (I,T) (OR) METHYL ETHYL KETONE (MEK) (I,T)
- . Waste code: U205
- . Waste name: SELENIUM SULFIDE (OR) SELENIUM SULFIDE SES2 (R,T)
- . Waste code: U240
- . Waste name: 2,4-D, SALTS & ESTERS (OR) ACETIC ACID, (2,4-DICHLOROPHENOXY)-, SALTS & ESTERS (OR) DICHLOROPHENOXYACETIC ACID 2,4-D
- . Waste code: U249
- . Waste name: ZINC PHOSPHIDE ZN3P2, WHEN PRESENT AT CONCENTRATIONS OF 10% OR LESS
- . Waste code: U279
- . Waste name: CARBARYL (OR) 1-NAPHTHALENOL, METHYLCARBAMATE

Biennial Reports:

Last Biennial Reporting Year: 2017

Annual Waste Handled:

- Waste code: D001
- Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.
- Amount (Lbs): 66
- Waste code: D002
- Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.
- Amount (Lbs): 138
- Waste code: D005
- Waste name: BARIUM
- Amount (Lbs): 103
- Waste code: D006
- Waste name: CADMIUM
- Amount (Lbs): 2
- Waste code: D007
- Waste name: CHROMIUM
- Amount (Lbs): 75

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RALPHS #712 (Continued)

1019899373

Waste code:	D008
Waste name:	LEAD
Amount (Lbs):	75
Waste code:	D009
Waste name:	MERCURY
Amount (Lbs):	7
Waste code:	D010
Waste name:	SELENIUM
Amount (Lbs):	116
Waste code:	D011
Waste name:	SILVER
Amount (Lbs):	75
Waste code:	D016
Waste name:	2,4-D
Amount (Lbs):	23
Waste code:	D018
Waste name:	BENZENE
Amount (Lbs):	6
Waste code:	D022
Waste name:	CHLOROFORM
Amount (Lbs):	1
Waste code:	D024
Waste name:	M-CRESOL
Amount (Lbs):	2
Waste code:	D026
Waste name:	CRESOL
Amount (Lbs):	1
Waste code:	D035
Waste name:	METHYL ETHYL KETONE
Amount (Lbs):	55
Waste code:	P001
Waste name:	2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%
Amount (Lbs):	2
Waste code:	P075
Waste name:	NICOTINE, & SALTS
Amount (Lbs):	29
Waste code:	U002
Waste name:	ACETONE (I)
Amount (Lbs):	6
Waste code:	U010
Waste name:	AZIRINO[2',3':3,4]PYRROLO[1,2-A]INDOLE-4,7-DIONE, 6-AMINO-8-[[[AMINOCARBONYL)OXY]METHYL]- 1,1A,2,8,8A,8B-HEXAHYDRO-8A-METHOXY-5-METHYL-, [1AS-(1AALPHA,

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RALPHS #712 (Continued)

1019899373

Amount (Lbs): 8BETA,8AALPHA,8BALPHA)]-
1
Waste code: U154
Waste name: METHANOL (I)
Amount (Lbs): 4
Waste code: U159
Waste name: 2-BUTANONE (I,T)
Amount (Lbs): 4
Waste code: U205
Waste name: SELENIUM SULFIDE
Amount (Lbs): 114

Violation Status: No violations found

FINDS:

Registry ID: 110069631973

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1019899373
Registry ID: 110069631973
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110069631973>

**Z189
NNW
1/8-1/4
0.235 mi.
1243 ft.**

**RALPHS GROCERY COMPANY #712
1100 N SAN FERNANDO BLVD
BURBANK, CA 91504
Site 5 of 11 in cluster Z**

**SWRCY S107138145
HAZNET N/A**

**Relative:
Higher**

SWRCY:
Reg Id: 156087
Cert Id: RC156087.001
Mailing Address: 800 N Haven Ave Suite 120
Mailing City: Ontario
Mailing State: CA
Mailing Zip Code: 91764
Website: <http://www.replanet.com>
Email: Not reported
Phone Number: (951) 520-1700
Grand Father: N
Rural: N
Operation Begin Date: 05/01/2012

**Actual:
613 ft.**

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RALPHS GROCERY COMPANY #712 (Continued)

S107138145

Aluminium: Y
Glass: Y
Plastic: Y
Bimetal: Y
Agency: N/A
Monday Hours Of Operation: 9:00 am - 4:30 pm; Closed 1:00 pm - 1:30 pm
Tuesday Hours Of Operation: 9:00 am - 4:30 pm; Closed 1:00 pm - 1:30 pm
Wednesday Hours Of Operation: 9:00 am - 4:30 pm; Closed 1:00 pm - 1:30 pm
Thursday Hours Of Operation: 9:00 am - 4:30 pm; Closed 1:00 pm - 1:30 pm
Friday Hours Of Operation: 9:00 am - 4:30 pm; Closed 1:00 pm - 1:30 pm
Saturday Hours Of Operation: 9:00 am - 4:30 pm; Closed 1:00 pm - 1:30 pm
Sunday Hours Of Operation: 9:00 am - 4:30 pm; Closed 1:00 pm - 1:30 pm
Organization ID: 151891
Organization Name: rePlanet LLC

HAZNET:

envid: S107138145
Year: 2016
GEPAID: CAR000259150
Contact: SHERRIE WALTERS
Telephone: 3108844016
Mailing Name: Not reported
Mailing Address: 1100 W ARTESIA BLVD
Mailing City,St,Zip: COMPTON, CA 90220
Gen County: Los Angeles
TSD EPA ID: NVT330010000
TSD County: 99
Waste Category: Alkaline solution without metals pH >= 12.5
Disposal Method: Other Recovery Of Reclamation For Reuse Including Acid Regeneration,
Organics Recovery Ect
Tons: 0.008
Cat Decode: Alkaline solution without metals pH >= 12.5
Method Decode: Other Recovery Of Reclamation For Reuse Including Acid Regeneration,
Organics Recovery Ect
Facility County: Los Angeles

envid: S107138145
Year: 2016
GEPAID: CAR000259150
Contact: SHERRIE WALTERS
Telephone: 3108844016
Mailing Name: Not reported
Mailing Address: 1100 W ARTESIA BLVD
Mailing City,St,Zip: COMPTON, CA 90220
Gen County: Los Angeles
TSD EPA ID: OKD000402396
TSD County: 99
Waste Category: Pharmaceutical waste
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery
(H010-H129) Or (H131-H135)
Tons: 0.0065
Cat Decode: Pharmaceutical waste
Method Decode: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery
(H010-H129) Or (H131-H135)
Facility County: Los Angeles

envid: S107138145

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RALPHS GROCERY COMPANY #712 (Continued)

S107138145

Year: 2016
GEPAID: CAR000259150
Contact: SHERRIE WALTERS
Telephone: 3108844016
Mailing Name: Not reported
Mailing Address: 1100 W ARTESIA BLVD
Mailing City,St,Zip: COMPTON, CA 90220
Gen County: Los Angeles
TSD EPA ID: NVT330010000
TSD County: 99
Waste Category: Liquids with pH <= 2
Disposal Method: Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 0.0005
Cat Decode: Liquids with pH <= 2
Method Decode: Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Facility County: Los Angeles

envid: S107138145
Year: 2016
GEPAID: CAR000259150
Contact: SHERRIE WALTERS
Telephone: 3108844016
Mailing Name: Not reported
Mailing Address: 1100 W ARTESIA BLVD
Mailing City,St,Zip: COMPTON, CA 90220
Gen County: Los Angeles
TSD EPA ID: NVT330010000
TSD County: 99
Waste Category: Off-specification, aged or surplus organics
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.0115
Cat Decode: Off-specification, aged or surplus organics
Method Decode: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County: Los Angeles

envid: S107138145
Year: 2016
GEPAID: CAR000259150
Contact: SHERRIE WALTERS
Telephone: 3108844016
Mailing Name: Not reported
Mailing Address: 1100 W ARTESIA BLVD
Mailing City,St,Zip: COMPTON, CA 90220
Gen County: Los Angeles
TSD EPA ID: NVT330010000
TSD County: 99
Waste Category: Other inorganic solid waste
Disposal Method: Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons: 0.0035
Cat Decode: Other inorganic solid waste
Method Decode: Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RALPHS GROCERY COMPANY #712 (Continued)

S107138145

Facility County: Los Angeles

[Click this hyperlink](#) while viewing on your computer to access
4 additional CA_HAZNET: record(s) in the EDR Site Report.

AC190
South
1/8-1/4
0.235 mi.
1243 ft.

TOP RANK COLLISION
163 WEST MAGNOLIA BLVD
BURBANK, CA 91502

CPS-SLIC **S121132550**
N/A

Site 2 of 2 in cluster AC

Relative:
Lower

CPS-SLIC:

Region:

STATE

Actual:
569 ft.

Facility Status:

Completed - Case Closed

Status Date:

09/12/2017

Global Id:

T10000010464

Lead Agency:

LOS ANGELES RWQCB (REGION 4)

Lead Agency Case Number:

Not reported

Latitude:

34.17842

Longitude:

-118.317

Case Type:

Cleanup Program Site

Case Worker:

Not reported

Local Agency:

Not reported

RB Case Number:

1400

File Location:

Not reported

Potential Media Affected:

Indoor Air, Soil Vapor

Potential Contaminants of Concern:

Tetrachloroethylene (PCE), Trichloroethylene (TCE), Chromium, Chromium VI

Site History:

The property at 163 West Magnolia was part of the former International Electronic Research Corporation (IERC) facility that occupied the site between 1956 and 2000. Historic operations at the site by IERC included metal finishing and manufacturing of thermal management products. The Site along with other properties with the addresses 135 through 163 West Magnolia Boulevard were under the Regional Water Quality Control Board (RWQCB) oversight for the evaluation of soil and groundwater contamination by heavy metals including total chromium and hexavalent chromium, and eventually received closure for soils on February 1, 2016. However, a Subsurface Soil Vapor Survey Report dated September 21, 2015 submitted to the Regional Board detected PCE concentrations in the top five feet below ground surface in excess of the soil vapor CHHSL for PCE in industrial/commercial soils. The soil vapor report along with the Johnson and Ettinger model run data were submitted to OEHHA for review. Two rounds of indoor air sampling events were performed within the buildings in December 2015 and August 2016. No PCE or TCE was detected in any of the samples during the second sampling event. Based on Regional Boards review of the information provided and OEHHA's evaluation, the Regional Board concludes that the residual PCE vapor concentrations remaining in the shallow soil beneath the Site do not appear to pose a significant threat to human health for the intended land use. The Regional Boards NFR determinations previously issued are still applicable.

[Click here to access the California GeoTracker records for this facility:](#)

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

AF191
SE
1/8-1/4
0.236 mi.
1246 ft.

SWISS DANE CORP
36 E ORANGE GROVE AVE
BURBANK, CA 91502

Site 1 of 4 in cluster AF

RCRA-SQG
FINDS
ECHO

1000385900
CAD981613508

Relative:
Higher

RCRA-SQG:

Actual:
585 ft.

Date form received by agency: 11/20/1986
Facility name: SWISS DANE CORP
Facility address: 36 E ORANGE GROVE AVE
BURBANK, CA 91502
EPA ID: CAD981613508
Mailing address: E ORANGE GROVE AVE
BURBANK, CA 91502
Contact: ENVIRONMENTAL MANAGER
Contact address: 36 E ORANGE GROVE AVE
BURBANK, CA 91502
Contact country: US
Contact telephone: 818-846-3452
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: JOSEPH ODERMATT
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SWISS DANE CORP (Continued)

1000385900

Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002723795

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1000385900
Registry ID: 110002723795
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110002723795>

**X192
WNW
1/8-1/4
0.236 mi.
1247 ft.**

**COSTCO WHOLESALE NO 677
1051 BURBANK BLVD
BURBANK, CA 91506**

Site 8 of 8 in cluster X

**RCRA-LQG 1004677303
FINDS CAR000095570
ECHO
HAZNET**

**Relative:
Higher**

RCRA-LQG:

Date form received by agency: 03/03/2016
Facility name: COSTCO WHOLESALE # 677
Facility address: 1051 BURBANK BLVD
BURBANK, CA 91506
EPA ID: CAR000095570
Mailing address: GREY HAWK CT
STE 200
CARLSBAD, CA 92010
Contact: ERIC D ENSMINGER
Contact address: GREY HAWK CT STE 200
CARLSBAD, CA 92010
Contact country: US
Contact telephone: 760-602-8616
Contact email: EENSMINGER@3ECOMPANY.COM

**Actual:
593 ft.**

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

COSTCO WHOLESALE NO 677 (Continued)

1004677303

EPA Region: 09
Land type: Private
Classification: Large Quantity Generator
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name: COSTCO WHOLESALE CORPORATION
Owner/operator address: LAKE DR
ISSAQUAH, WA 98027
Owner/operator country: US
Owner/operator telephone: 425-313-8100
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 10/01/2001
Owner/Op end date: Not reported

Owner/operator name: COSTCO WHOLESALE CORP
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 10/01/2001
Owner/Op end date: Not reported

Owner/operator name: COSTCO WHOLESALE CORPORATION
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 10/01/2001
Owner/Op end date: Not reported

Owner/operator name: COSTCO WHOLESALE CORP

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

COSTCO WHOLESALE NO 677 (Continued)

1004677303

Owner/operator address: 999 LAKE DR
ISSAQUAH, WA 98027
Owner/operator country: US
Owner/operator telephone: 425-313-8100
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 10/01/2001
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: 122
. Waste name: Alkaline solution without metals (pH > 12.5)

. Waste code: 141
. Waste name: Off-specification, aged, or surplus inorganics

. Waste code: 181
. Waste name: Other inorganic solid waste

. Waste code: 214
. Waste name: Unspecified solvent mixture

. Waste code: 311
. Waste name: Pharmaceutical waste

. Waste code: 331
. Waste name: Off-specification, aged, or surplus organics

. Waste code: 352
. Waste name: Other organic solids

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D009

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

COSTCO WHOLESALE NO 677 (Continued)

1004677303

- . Waste name: MERCURY
- . Waste code: D010
- . Waste name: SELENIUM
- . Waste code: D011
- . Waste name: SILVER
- . Waste code: D016
- . Waste name: 2,4-D (2,4-DICHLOROPHENOXYACETIC ACID)
- . Waste code: D018
- . Waste name: BENZENE
- . Waste code: D024
- . Waste name: M-CRESOL
- . Waste code: D026
- . Waste name: CRESOL
- . Waste code: P001
- . Waste name: 2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3% (OR) WARFARIN, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%
- . Waste code: P075
- . Waste name: NICOTINE, & SALTS (OR) PYRIDINE, 3-(1-METHYL-2-PYRROLIDINYL)-,(S)-, & SALTS

Historical Generators:

Date form received by agency: 07/11/2014

Site name: COSTCO WHOLESALE NO 677

Classification: Large Quantity Generator

- . Waste code: 122
- . Waste name: Alkaline solution without metals (pH > 12.5)
- . Waste code: 131
- . Waste name: Aqueous solution (2 < pH < 12.5) containing reactive anions (azide, bromate, chlorate, cyanide, fluoride, hypochlorite, nitrite, perchlorate, and sulfide anions)
- . Waste code: 133
- . Waste name: Aqueous solution with 10% or more total organic residues
- . Waste code: 134
- . Waste name: Aqueous solution with <10% total organic residues
- . Waste code: 135
- . Waste name: Unspecified aqueous solution
- . Waste code: 141
- . Waste name: Off-specification, aged, or surplus inorganics
- . Waste code: 151
- . Waste name: Asbestos-containing waste

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

COSTCO WHOLESALE NO 677 (Continued)

1004677303

- . Waste code: 172
- . Waste name: Metal dust (see 121) and machining waste

- . Waste code: 181
- . Waste name: Other inorganic solid waste

- . Waste code: 211
- . Waste name: Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.)

- . Waste code: 212
- . Waste name: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)

- . Waste code: 213
- . Waste name: Hydrocarbon solvents (benzene, hexane, Stoddard, etc.)

- . Waste code: 214
- . Waste name: Unspecified solvent mixture

- . Waste code: 221
- . Waste name: Waste oil and mixed oil

- . Waste code: 223
- . Waste name: Unspecified oil-containing waste

- . Waste code: 232
- . Waste name: Pesticides and other waste associated with pesticide production

- . Waste code: 271
- . Waste name: Organic monomer waste (includes unreacted resins)

- . Waste code: 272
- . Waste name: Polymeric resin waste

- . Waste code: 281
- . Waste name: Adhesives

- . Waste code: 291
- . Waste name: Latex waste

- . Waste code: 311
- . Waste name: Pharmaceutical waste

- . Waste code: 331
- . Waste name: Off-specification, aged, or surplus organics

- . Waste code: 343
- . Waste name: Unspecified organic liquid mixture

- . Waste code: 352
- . Waste name: Other organic solids

- . Waste code: 541
- . Waste name: Photochemicals / photo processing waste

- . Waste code: 561
- . Waste name: Detergent and soap

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

COSTCO WHOLESALE NO 677 (Continued)

1004677303

- . Waste code: 611
- . Waste name: Contaminated soil from site clean-ups

- . Waste code: 791
- . Waste name: Liquids with pH < 2

- . Waste code: D001
- . Waste name: IGNITABLE WASTE

- . Waste code: D002
- . Waste name: CORROSIVE WASTE

- . Waste code: D003
- . Waste name: REACTIVE WASTE

- . Waste code: D006
- . Waste name: CADMIUM

- . Waste code: D007
- . Waste name: CHROMIUM

- . Waste code: D008
- . Waste name: LEAD

- . Waste code: D009
- . Waste name: MERCURY

- . Waste code: D010
- . Waste name: SELENIUM

- . Waste code: D011
- . Waste name: SILVER

- . Waste code: D018
- . Waste name: BENZENE

- . Waste code: D024
- . Waste name: M-CRESOL

- . Waste code: D026
- . Waste name: CRESOL

- . Waste code: D035
- . Waste name: METHYL ETHYL KETONE

- . Waste code: F003
- . Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

COSTCO WHOLESALE NO 677 (Continued)

1004677303

. Waste code: P001
. Waste name: 2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3% (OR) WARFARIN, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%

. Waste code: P075
. Waste name: NICOTINE, & SALTS (OR) PYRIDINE, 3-(1-METHYL-2-PYRROLIDINYL)-(S)-, & SALTS

. Waste code: U034
. Waste name: ACETALDEHYDE, TRICHLORO- (OR) CHLORAL

Date form received by agency: 03/01/2014

Site name: COSTCO WHOLESALE #677

Classification: Large Quantity Generator

. Waste code: 122
. Waste name: Alkaline solution without metals (pH > 12.5)

. Waste code: 131
. Waste name: Aqueous solution (2 < pH < 12.5) containing reactive anions (azide, bromate, chlorate, cyanide, fluoride, hypochlorite, nitrite, perchlorate, and sulfide anions)

. Waste code: 133
. Waste name: Aqueous solution with 10% or more total organic residues

. Waste code: 134
. Waste name: Aqueous solution with <10% total organic residues

. Waste code: 135
. Waste name: Unspecified aqueous solution

. Waste code: 141
. Waste name: Off-specification, aged, or surplus inorganics

. Waste code: 151
. Waste name: Asbestos-containing waste

. Waste code: 172
. Waste name: Metal dust (see 121) and machining waste

. Waste code: 181
. Waste name: Other inorganic solid waste

. Waste code: 211
. Waste name: Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.)

. Waste code: 212
. Waste name: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)

. Waste code: 213
. Waste name: Hydrocarbon solvents (benzene, hexane, Stoddard, etc.)

. Waste code: 214
. Waste name: Unspecified solvent mixture

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

COSTCO WHOLESALE NO 677 (Continued)

1004677303

- . Waste code: 221
- . Waste name: Waste oil and mixed oil

- . Waste code: 223
- . Waste name: Unspecified oil-containing waste

- . Waste code: 232
- . Waste name: Pesticides and other waste associated with pesticide production

- . Waste code: 271
- . Waste name: Organic monomer waste (includes unreacted resins)

- . Waste code: 272
- . Waste name: Polymeric resin waste

- . Waste code: 281
- . Waste name: Adhesives

- . Waste code: 291
- . Waste name: Latex waste

- . Waste code: 311
- . Waste name: Pharmaceutical waste

- . Waste code: 331
- . Waste name: Off-specification, aged, or surplus organics

- . Waste code: 343
- . Waste name: Unspecified organic liquid mixture

- . Waste code: 352
- . Waste name: Other organic solids

- . Waste code: 561
- . Waste name: Detergent and soap

- . Waste code: 611
- . Waste name: Contaminated soil from site clean-ups

- . Waste code: 791
- . Waste name: Liquids with pH < 2

- . Waste code: D001
- . Waste name: IGNITABLE WASTE

- . Waste code: D002
- . Waste name: CORROSIVE WASTE

- . Waste code: D007
- . Waste name: CHROMIUM

- . Waste code: D008
- . Waste name: LEAD

- . Waste code: D009
- . Waste name: MERCURY

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

COSTCO WHOLESALE NO 677 (Continued)

1004677303

- . Waste code: D010
- . Waste name: SELENIUM

- . Waste code: D011
- . Waste name: SILVER

- . Waste code: D018
- . Waste name: BENZENE

- . Waste code: D024
- . Waste name: M-CRESOL

- . Waste code: D026
- . Waste name: CRESOL

- . Waste code: D028
- . Waste name: 1,2-DICHLOROETHANE

- . Waste code: D029
- . Waste name: 1,1-DICHLOROETHYLENE

- . Waste code: D035
- . Waste name: METHYL ETHYL KETONE

- . Waste code: D039
- . Waste name: TETRACHLOROETHYLENE

- . Waste code: D040
- . Waste name: TRICHLOROETHYLENE

- . Waste code: D043
- . Waste name: VINYL CHLORIDE

- . Waste code: F002
- . Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

- . Waste code: F003
- . Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

- . Waste code: F005

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

COSTCO WHOLESALE NO 677 (Continued)

1004677303

- . Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
- . Waste code: P001
. Waste name: 2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3% (OR) WARFARIN, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%
- . Waste code: P075
. Waste name: NICOTINE, & SALTS (OR) PYRIDINE, 3-(1-METHYL-2-PYRROLIDINYL)-,(S)-, & SALTS
- . Waste code: U019
. Waste name: BENZENE (I,T)
- . Waste code: U034
. Waste name: ACETALDEHYDE, TRICHLORO- (OR) CHLORAL
- . Waste code: U037
. Waste name: BENZENE, CHLORO- (OR) CHLOROBENZENE
- . Waste code: U228
. Waste name: ETHENE, TRICHLORO- (OR) TRICHLOROETHYLENE
- Date form received by agency: 07/09/2002
Site name: COSTCO WHOLESALE NO 677
Classification: Small Quantity Generator
- . Waste code: D001
. Waste name: IGNITABLE WASTE
- . Waste code: D011
. Waste name: SILVER
- . Waste code: D018
. Waste name: BENZENE

Biennial Reports:

Last Biennial Reporting Year: 2017

Annual Waste Handled:

- Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.
- Amount (Lbs): 2387.4
- Waste code: D002

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

COSTCO WHOLESALE NO 677 (Continued)

1004677303

Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Amount (Lbs): 692

Waste code: D009

Waste name: MERCURY

Amount (Lbs): 11

Waste code: D010

Waste name: SELENIUM

Amount (Lbs): 12

Waste code: D011

Waste name: SILVER

Amount (Lbs): 12

Waste code: D016

Waste name: 2,4-D

Amount (Lbs): 2

Waste code: D018

Waste name: BENZENE

Amount (Lbs): 1247.4

Waste code: D024

Waste name: M-CRESOL

Amount (Lbs): 1

Waste code: D026

Waste name: CRESOL

Amount (Lbs): 1

Waste code: P001

Waste name: 2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%

Amount (Lbs): 15

Waste code: P075

Waste name: NICOTINE, & SALTS

Amount (Lbs): 23

Violation Status: No violations found

Evaluation Action Summary:

Evaluation date: 08/23/2016

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: Not reported

Date achieved compliance: Not reported

Evaluation lead agency: State

FINDS:

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

COSTCO WHOLESALE NO 677 (Continued)

1004677303

Registry ID: 110012217056

Environmental Interest/Information System

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

STATE MASTER

HAZARDOUS WASTE BIENNIAL REPORTER

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1004677303
Registry ID: 110012217056
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110012217056>

HAZNET:

envid: 1004677303
Year: 2016
GEPAID: CAR000095570
Contact: LISA SIMPSON
Telephone: 4253136275
Mailing Name: Not reported
Mailing Address: 999 LAKE DR
Mailing City,St,Zip: ISSAQUAH, WA 980270000
Gen County: Los Angeles
TSD EPA ID: CAD008364432
TSD County: Los Angeles
Waste Category: Off-specification, aged or surplus organics
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.593
Cat Decode: Off-specification, aged or surplus organics
Method Decode: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County: Los Angeles

envid: 1004677303
Year: 2016
GEPAID: CAR000095570
Contact: LISA SIMPSON
Telephone: 4253136275
Mailing Name: Not reported
Mailing Address: 999 LAKE DR

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

COSTCO WHOLESALE NO 677 (Continued)

1004677303

Mailing City,St,Zip: ISSAQUAH, WA 980270000
Gen County: Los Angeles
TSD EPA ID: NVT330010000
TSD County: 99
Waste Category: Other organic solids
Disposal Method: Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons: 0.7025
Cat Decode: Other organic solids
Method Decode: Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Facility County: Los Angeles

envid: 1004677303
Year: 2016
GEPAID: CAR000095570
Contact: LISA SIMPSON
Telephone: 4253136275
Mailing Name: Not reported
Mailing Address: 999 LAKE DR
Mailing City,St,Zip: ISSAQUAH, WA 980270000
Gen County: Los Angeles
TSD EPA ID: NVD980895338
TSD County: 99
Waste Category: Off-specification, aged or surplus inorganics
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.004
Cat Decode: Off-specification, aged or surplus inorganics
Method Decode: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County: Los Angeles

envid: 1004677303
Year: 2016
GEPAID: CAR000095570
Contact: LISA SIMPSON
Telephone: 4253136275
Mailing Name: Not reported
Mailing Address: 999 LAKE DR
Mailing City,St,Zip: ISSAQUAH, WA 980270000
Gen County: Los Angeles
TSD EPA ID: INR000110197
TSD County: Not reported
Waste Category: Pharmaceutical waste
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.0005
Cat Decode: Pharmaceutical waste
Method Decode: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County: Los Angeles

envid: 1004677303
Year: 2016
GEPAID: CAR000095570
Contact: LISA SIMPSON

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

COSTCO WHOLESALE NO 677 (Continued)

1004677303

Telephone: 4253136275
Mailing Name: Not reported
Mailing Address: 999 LAKE DR
Mailing City,St,Zip: ISSAQUAH, WA 980270000
Gen County: Los Angeles
TSD EPA ID: CAT080013352
TSD County: Los Angeles
Waste Category: Aqueous solution with total organic residues less than 10 percent
Disposal Method: Other Recovery Of Reclamation For Reuse Including Acid Regeneration,
Organics Recovery Ect
Tons: 0.2856
Cat Decode: Aqueous solution with total organic residues less than 10 percent
Method Decode: Other Recovery Of Reclamation For Reuse Including Acid Regeneration,
Organics Recovery Ect
Facility County: Los Angeles

[Click this hyperlink](#) while viewing on your computer to access
84 additional CA_HAZNET: record(s) in the EDR Site Report.

193
ESE
1/8-1/4
0.237 mi.
1251 ft.

KESSLER JEWELERS & MFG. INC.
313 N GOLDEN MALL
BURBANK, CA 91502

WIP S106768014
N/A

Relative:
Higher
Actual:
611 ft.

WIP:
Region: 4
File Number: 109.5629
File Status: Historical
Staff: ETL
Facility Suite: Not reported

AF194
SE
1/8-1/4
0.238 mi.
1258 ft.

WESTERN KING MANUFACTURING CO.
48 E ORANGE GROVE AVE
BURBANK, CA 91502

WIP S106768070
N/A

Site 2 of 4 in cluster AF

Relative:
Higher
Actual:
586 ft.

WIP:
Region: 4
File Number: 109.6141
File Status: Historical
Staff: EN
Facility Suite: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

AG195
SSW
1/8-1/4
0.239 mi.
1260 ft.

ARRIFLEX CORP
600 N VICTORY BLVD
BURBANK, CA 91502

Site 1 of 3 in cluster AG

RCRA-SQG
FINDS
ECHO
WIP

1000252147
CAD099455701

Relative:
Lower

RCRA-SQG:

Actual:
575 ft.

Date form received by agency: 09/01/1996
Facility name: ARRIFLEX CORP
Facility address: 600 N VICTORY BLVD
BURBANK, CA 91502
EPA ID: CAD099455701
Contact: Not reported
Contact address: Not reported
Contact country: US
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ARRIFLEX CORP (Continued)

1000252147

Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 04/26/1984
Site name: ARRIFLEX CORP
Classification: Large Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110002666115

Environmental Interest/Information System

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

STATE MASTER

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1000252147
Registry ID: 110002666115
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110002666115>

WIP:

Region: 4
File Number: 109.6584
File Status: **Historical**
Staff: YRONG
Facility Suite: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

AG196
SSW
1/8-1/4
0.239 mi.
1261 ft.

FOAM MART
628 N VICTORY BLVD
BURBANK, CA 91502
Site 2 of 3 in cluster AG

WIP **S106768126**
N/A

Relative: WIP:
Lower Region: 4
Actual: File Number: 109.6582
576 ft. **File Status: Historical**
Staff: MPS
Facility Suite: Not reported

AG197
SSW
1/8-1/4
0.239 mi.
1263 ft.

FREMONT PRESS
624 N VICTORY BLVD
BURBANK, CA 91502
Site 3 of 3 in cluster AG

WIP **S103667271**
N/A

Relative: WIP:
Lower Region: 4
Actual: File Number: 109.6581
576 ft. **File Status: Historical**
Staff: MPS
Facility Suite: Not reported

AF198
ESE
1/8-1/4
0.243 mi.
1282 ft.

STERLING TIRE CO
201 N 1ST ST
BURBANK, CA 91502
Site 3 of 4 in cluster AF

RCRA-SQG **1000364525**
LUST **CAD982416307**
FINDS
ECHO
HIST CORTESE

Relative: RCRA-SQG:
Higher Date form received by agency: 09/01/1996
Actual: Facility name: STERLING TIRE CO
592 ft. Facility address: 201 N 1ST ST
BURBANK, CA 91502
EPA ID: CAD982416307
Mailing address: N 1ST ST
BURBANK, CA 91502
Contact: Not reported
Contact address: Not reported
Not reported
Contact country: US
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: GEORGALAS LJ
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

STERLING TIRE CO (Continued)

1000364525

Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999

Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

LUST:

Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603702498
Global Id: T0603702498
Latitude: 34.1802809
Longitude: -118.3111246
Status: Completed - Case Closed
Status Date: 11/19/1997
Case Worker: GK
RB Case Number: 915020043
Local Agency: BURBANK, CITY OF
File Location: Not reported
Local Case Number: Not reported
Potential Media Affect: Soil

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

STERLING TIRE CO (Continued)

1000364525

Potential Contaminants of Concern: Aviation
Site History: Not reported

LUST:

Global Id: T0603702498
Contact Type: Regional Board Caseworker
Contact Name: GREGG KWEY
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 WEST 4TH ST. SUITE 200- 1ST FLOOR
City: R4 UNKNOWN, LOS ANGELES
Email: gkwey@waterboards.ca.gov
Phone Number: 2135766702

Global Id: T0603702498
Contact Type: Local Agency Caseworker
Contact Name: JORGE MARTINEZ
Organization Name: BURBANK, CITY OF
Address: 311 E ORANGE GROVE AVE
City: BURBANK
Email: jmartinez@ci.burbank.ca.us
Phone Number: Not reported

LUST:

Global Id: T0603702498
Action Type: Other
Date: 10/18/1990
Action: Leak Reported

LUST:

Global Id: T0603702498
Status: Open - Case Begin Date
Status Date: 10/18/1990

Global Id: T0603702498
Status: Completed - Case Closed
Status Date: 11/19/1997

LUST REG 4:

Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: 915020043
Status: Case Closed
Substance: 1
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Soil
Abatement Method Used at the Site: Not reported
Global ID: T0603702498
W Global ID: Not reported
Staff: GK
Local Agency: 19007
Cross Street: Not reported
Enforcement Type: Not reported
Date Leak Discovered: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

STERLING TIRE CO (Continued)

1000364525

Date Leak First Reported: 10/18/1990
Date Leak Record Entered: 12/12/1990
Date Confirmation Began: Not reported
Date Leak Stopped: Not reported
Date Case Last Changed on Database: 10/31/1997
Date the Case was Closed: 11/19/1997
How Leak Discovered: Not reported
How Leak Stopped: Not reported
Cause of Leak: Not reported
Leak Source: Not reported
Operator: OLD CASE #121390-03
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 1450.049474872101688132756979
Source of Cleanup Funding: Not reported
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: Not reported
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Enforcement Action Date: Not reported
Historical Max MTBE Date: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: BLANK RP
RP Address: 245 E. OLIVE AVE., SUITE #500, BURBANK, CA 91502
Program: LUST
Lat/Long: 34.1802809 / -1
Local Agency Staff: DB
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: 5/6/97 - COUNTY ASSESSOR REVIEW. 6/6/97 -
INFORMATION LETTER SENT & FOLLOW-UP 3/19/97- DAB
ASSIGNED CASE TO MSH

FINDS:

Registry ID: 110002808739

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

STERLING TIRE CO (Continued)

1000364525

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1000364525
Registry ID: 110002808739
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110002808739>

HIST CORTESE:

Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: 915020043

W199
WSW
1/8-1/4
0.243 mi.
1283 ft.
SPENCE ELECTROPLATING
917 W CHESTNUT ST
BURBANK, CA
Site 4 of 4 in cluster W

CPS-SLIC
WIP
S106484794
N/A

Relative:
Higher

Actual:
583 ft.

CPS-SLIC:

Region: STATE
Facility Status: **Completed - Case Closed**
Status Date: 11/14/2014
Global Id: SL603798999
Lead Agency: Not reported
Lead Agency Case Number: Not reported
Latitude: 34.18194
Longitude: -118.319694
Case Type: Cleanup Program Site
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: Not reported
File Location: Regional Board
Potential Media Affected: Aquifer used for drinking water supply
Potential Contaminants of Concern: Not reported
Site History:

The former Spence Electroplating facility was constructed in 1966 as a metal finishing, plating, and anodizing shop. Half of the facility consisted of a large building, located at 1001 West Chestnut Street, which housed plating and anodizing tanks and the other half of the property, located at 917 West Chestnut Street, consisted of a polishing room, a boiler room, chemical storage area, wastewater treatment system, and parking. Depth to groundwater was approximately 200 feet. The Regional Board had issued a no further requirements (NFR) letter dated August 22, 2007 for the facility located at 1001 West Chestnut Street (Case Number 109.6716). Regional Board staff reviewed the Closure Remediation Report dated July 6, 2007 indicating that approximately 250-300 cubic yards of soil that contained chromium and nickel concentrations exceeding typical background soil concentrations found in the San Fernando Valley and United States Environmental Protection Agency (USEPA) Region IX soil screening levels was excavated and remediated onsite by fixation/stabilization. After a review of leachability test results submitted on April 25, 2007, the Regional Board approved the backfill of the excavation with the treated soil followed by compaction and cover. Remaining concentrations of heavy metals in the soil were below the USEPA

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SPENCE ELECTROPLATING (Continued)

S106484794

preliminary remediation goals (PRGs), and soil screening levels for the protection of groundwater. Regional Board staff determined that any remaining concentrations of chromium and nickel presented a de minimus threat to groundwater. Both facilities (1001 West Chestnut Street and 917 West Chestnut Street) were treated as one site for the purpose of investigation and remediation. The NFR dated August 22, 2007 applies to both facilities, and therefore the case for 917 West Chestnut Street (Case Number 109.6557) will also be closed.

[Click here to access the California GeoTracker records for this facility:](#)

WIP:

Region: 4
File Number: 109.6557
File Status: **Backlog**
Staff: UNIDENTIFIED
Facility Suite: Not reported

V200
WSW
1/8-1/4
0.244 mi.
1288 ft.

EXCELLENT AUTO BODY & PAINT
912 CHESTNUT ST
BURBANK, CA 91506

LOS ANGELES CO. HMS
WIP

S104733305
N/A

Site 4 of 4 in cluster V

Relative:
Higher

LOS ANGELES CO. HMS:

Actual:
582 ft.

Region: LA
Permit Category: Not reported
Facility Id: 023384-032662
Facility Type: Not reported
Facility Status: OPEN
Area: 3E
Permit Number: Not reported
Permit Status: Not reported

WIP:

Region: 4
File Number: 109.5408
File Status: **Historical**
Staff: EN
Facility Suite: Not reported

AF201
SE
1/8-1/4
0.244 mi.
1289 ft.

ALTA ENGINEERING INC.
60 E ORANGE GROVE AVE
BURBANK, CA 91502

WIP **S106767962**
N/A

Site 4 of 4 in cluster AF

Relative:
Higher

WIP:

Actual:
590 ft.

Region: 4
File Number: 109.5084
File Status: **Historical**
Staff: EN
Facility Suite: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

Y202
SSW
1/8-1/4
0.244 mi.
1290 ft.
ARDENT SHEET METAL
156 W CYPRESS AVE
BURBANK, CA 91502
Site 3 of 3 in cluster Y

WIP **S106768093**
N/A

Relative: WIP:
Lower Region: 4
File Number: 109.6252
Actual: **File Status:** **Historical**
574 ft. Staff: LM
Facility Suite: Not reported

AH203
WSW
1/8-1/4
0.245 mi.
1295 ft.
BIEKER MACHINE SHOP & PARTS
918 CHESTNUT ST
BURBANK, CA 91506
Site 1 of 2 in cluster AH

LOS ANGELES CO. HMS **S104733306**
WIP **N/A**

Relative: LOS ANGELES CO. HMS:
Higher Region: LA
Permit Category: Not reported
Actual: Facility Id: 023385-032663
582 ft. Facility Type: Not reported
Facility Status: OPEN
Area: 3E
Permit Number: Not reported
Permit Status: Not reported

WIP:
Region: 4
File Number: 109.6297
File Status: **Historical**
Staff: EN
Facility Suite: Not reported

AE204
WNW
1/8-1/4
0.248 mi.
1308 ft.
DICK CEPEK
1055 N VICTORY PL
BURBANK, CA 91504
Site 2 of 2 in cluster AE

WIP **S106764631**
N/A

Relative: WIP:
Higher Region: 4
File Number: 104.1331
Actual: **File Status:** **Historical**
597 ft. Staff: MPS
Facility Suite: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

Z205
NNW
1/8-1/4
0.249 mi.
1313 ft.
CELEBRITY CLEANERS
1121 N SAN FERNANDO RD #F
BURBANK, CA 91504
Site 6 of 11 in cluster Z

DRYCLEANERS
S121696314
N/A

Relative: DRYCLEAN SOUTH COAST:
Higher Facility ID: 156634
Application Number: 486621
Actual: Permit Number: F99653
610 ft. Status: A
Representative Name: ARNIBD ESMAILI
Representative Telephone: 818 6144370
Permit Status: INACT_NR
BCAT Number: 000603
BCAT Description: DRY CLEANING, DRY-TO-DRY NV, W/ SIC, PERC
UTM East: 378.44000244
UTM North: 3783.6499023

Z206
NNW
1/8-1/4
0.249 mi.
1313 ft.
CELEBRITY CLEANERS, A & D MATA DBA
1121 N SAN FERNANDO RD #F
BURBANK, CA 91504
Site 7 of 11 in cluster Z

DRYCLEANERS
S121694104
N/A

Relative: DRYCLEAN SOUTH COAST:
Higher Facility ID: 115770
Application Number: 340848
Actual: Permit Number: F14200
610 ft. Status: S
Representative Name: ANIBAL MATA
Representative Telephone: 310 5156228
Permit Status: INACTIVE
BCAT Number: 000234
BCAT Description: DRY CLEANING EQUIP PERCHLOROETHYLENE
UTM East: 378.47000122
UTM North: 3783.6088867

Facility ID: 115770
Application Number: 473348
Permit Number: F93557
Status: S
Representative Name: ANIBAL MATA
Representative Telephone: 310 5156228
Permit Status: INACTIVE
BCAT Number: 000603
BCAT Description: DRY CLEANING, DRY-TO-DRY NV, W/ SIC, PERC
UTM East: 378.47000122
UTM North: 3783.6088867

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

	Site	Database(s)	
Z207 NNW 1/8-1/4 0.249 mi. 1313 ft.	CELEBRITY 1 HOUR CLEANERS 1121 N SAN FERNANDO RD BURBANK, CA Site 8 of 11 in cluster Z	DRYCLEANERS	S121697309 N/A
Relative: Higher	DRYCLEAN SOUTH COAST: Facility ID: 36054		
Actual: 610 ft.	Application Number: 101631		
	Permit Number: M32518		
	Status: O		
	Representative Name: GHASEM TALAE		
	Representative Telephone: 213 8424459		
	Permit Status: INACTIVE		
	BCAT Number: 000234		
	BCAT Description: DRY CLEANING EQUIP PERCHLOROETHYLENE		
	UTM East: 0		
	UTM North: 0		
Z208 NNW 1/8-1/4 0.249 mi. 1313 ft.	CELEBRITY CLEANERS 1121 SAN FERNANDO RD BURBANK, CA 91504 Site 9 of 11 in cluster Z	RCRA NonGen / NLR FINDS ECHO DRYCLEANERS	1000200495 CAD981635592
Relative: Higher	RCRA NonGen / NLR: Date form received by agency: 08/07/2008		
Actual: 610 ft.	Facility name: CELEBRITY CLEANERS		
	Facility address: 1121 SAN FERNANDO RD BURBANK, CA 91504		
	EPA ID: CAD981635592		
	Mailing address: SAN FERNANDO RD UNIT F BURBANK, CA 91504		
	Contact: ARMOND ESMAILI		
	Contact address: 1121 SAN FERNANDO RD UNIT F BURBANK, CA 91504		
	Contact country: US		
	Contact telephone: 818-614-4370		
	Contact email: ARMONDEE@YAHOO.COM		
	EPA Region: 09		
	Classification: Non-Generator		
	Description: Handler: Non-Generators do not presently generate hazardous waste		
	Owner/Operator Summary:		
	Owner/operator name: ARMOND ESMAILI		
	Owner/operator address: 11833 DAVID LN SUN VALLEY, CA 91352		
	Owner/operator country: US		
	Owner/operator telephone: Not reported		
	Owner/operator email: Not reported		
	Owner/operator fax: Not reported		
	Owner/operator extension: Not reported		
	Legal status: Private		
	Owner/Operator Type: Owner		
	Owner/Op start date: 08/02/2008		
	Owner/Op end date: Not reported		
	Owner/operator name: NOT REQUIRED		

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CELEBRITY CLEANERS (Continued)

1000200495

Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: BOLYA NORA
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: RAYMOND ESMALIL
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 08/02/2008
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CELEBRITY CLEANERS (Continued)

1000200495

Date form received by agency: 09/01/1996
Site name: CELEBRITY DRYCLEANERS
Classification: Small Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110002732730

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1000200495
Registry ID: 110002732730
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110002732730>

DRYCLEANERS:

EPA Id: CAD981635592
NAICS Code: 81232
NAICS Description: Drycleaning and Laundry Services (except Coin-Operated)
SIC Code: 7211
SIC Description: Power Laundries, Family and Commercial
Create Date: 04/10/1987
Facility Active: No
Inactive Date: 08/19/2008
Facility Addr2: Not reported
Owner Name: CELEBRITY CLEANERS CORP.
Owner Address: 1121 N SAN FERNANDO RD
Owner Address 2: Not reported
Owner Telephone: 8188424459
Contact Name: ANIBAL MATA MANAGER
Contact Address: 1121 N SAN FERNANDO BLVD
Contact Address 2: Not reported
Contact Telephone: 3104896331
Mailing Name: Not reported
Mailing Address 1: 1121 N SAN FERNANDO BLVD
Mailing Address 2: Not reported
Mailing City: BURBANK
Mailing State: CA
Mailing Zip: 915044300
Owner Fax: Not reported
Region Code: 3

EPA Id: CAL000335406
NAICS Code: 81232
NAICS Description: Drycleaning and Laundry Services (except Coin-Operated)

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CELEBRITY CLEANERS (Continued)

1000200495

SIC Code: 7211
SIC Description: Power Laundries, Family and Commercial
Create Date: 08/13/2008
Facility Active: No
Inactive Date: 06/30/2014
Facility Addr2: Not reported
Owner Name: ARMOND ESMAILI
Owner Address: 1121 N SAN FERNANDO BLVD STE F
Owner Address 2: Not reported
Owner Telephone: 8186144370
Contact Name: ARMOND ESMAILI
Contact Address: 11833 DAVID LN
Contact Address 2: Not reported
Contact Telephone: 8186144370
Mailing Name: Not reported
Mailing Address 1: 1121 N SAN FERNANDO BLVD STE F
Mailing Address 2: Not reported
Mailing City: BURBANK
Mailing State: CA
Mailing Zip: 915044300
Owner Fax: 8188424459
Region Code: 3

**Z209
NNW
1/8-1/4
0.249 mi.
1313 ft.**

**CELEBRITY 1 HOUR CLEANERS
1121 N SAN FERNANDO RD
BURBANK, CA 91504**

**DRYCLEANERS S121698577
N/A**

Site 10 of 11 in cluster Z

**Relative:
Higher**

DRYCLEAN SOUTH COAST:

**Actual:
610 ft.**

Facility ID: 56727
Application Number: 155742
Permit Number: M57139
Status: S
Representative Name: MARTHA MATE
Representative Telephone: 213 0000000
Permit Status: INACTIVE
BCAT Number: 000234
BCAT Description: DRY CLEANING EQUIP PERCHLOROETHYLENE
UTM East: 379.26000977
UTM North: 3782.6899414

Facility ID: 56727
Application Number: 239391
Permit Number: D43325
Status: S
Representative Name: MARTHA MATE
Representative Telephone: 213 0000000
Permit Status: INACTIVE
BCAT Number: 000234
BCAT Description: DRY CLEANING EQUIP PERCHLOROETHYLENE
UTM East: 379.26000977
UTM North: 3782.6899414

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

Z210
NNW
1/8-1/4
0.249 mi.
1313 ft.
CELEBRITY CLEANERS
1121 N SAN FERNANDO RD
BURBANK, CA 91504
Site 11 of 11 in cluster Z

EMI
WIP
S106828229
N/A

Relative:
Higher

EMI:

Actual:
610 ft.

Year: 1990
County Code: 19
Air Basin: SC
Facility ID: 56727
Air District Name: SC
SIC Code: 7216
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 3
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

WIP:

Region: 4
File Number: 104.0278
File Status: Historical
Staff: YRONG
Facility Suite: Not reported

AH211
WSW
1/4-1/2
0.266 mi.
1405 ft.
SPENCE ELECTROPLATING
1001 CHESTNUT ST.
BURBANK, CA 91506
Site 2 of 2 in cluster AH

Relative:
Higher

Actual:
583 ft.

RCRA-LQG
ENVIROSTOR
CPS-SLIC
HIST UST
FINDS
ECHO
EMI
ENF
LOS ANGELES CO. HMS
LA Co. Site Mitigation
WDS
WIP
CIWQS
1000308095
CAD008308520

RCRA-LQG:

Date form received by agency: 02/22/2006
Facility name: SPENCE ELECTROPLATING
Facility address: 1001 CHESTNUT ST.
BURBANK, CA 91506
EPA ID: CAD008308520
Contact: FREDERICK HARRIS
Contact address: Not reported
Not reported
Contact country: US
Contact telephone: 818-531-1931
Contact email: NA
EPA Region: 09
Land type: Private

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SPENCE ELECTROPLATING (Continued)

1000308095

Classification: Large Quantity Generator
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name: SPENCE ELECTROPLATING
Owner/operator address: SAME
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 08/15/1966
Owner/Op end date: Not reported

Owner/operator name: SPENCE ELECTROPLATING, INC.
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 08/15/1966
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SPENCE ELECTROPLATING (Continued)

1000308095

Used oil transporter: No

. Waste code: D002
. Waste name: CORROSIVE WASTE

Historical Generators:

Date form received by agency: 02/23/2004
Site name: SPENCE ELECTROPLATING INC.
Classification: Large Quantity Generator

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: F006
. Waste name: WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS, EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC, AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.

Date form received by agency: 02/15/2002
Site name: SPENCE ELECTROPLATING
Classification: Large Quantity Generator

. Waste code: 171
. Waste name: Metal sludge (see 121)

. Waste code: 726
. Waste name: Liquids with nickel > 134 mg/l

. Waste code: 791
. Waste name: Liquids with pH < 2

. Waste code: 792
. Waste name: Liquids with pH < 2 with metals

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: F006
. Waste name: WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS, EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC, AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.

Date form received by agency: 10/12/2000
Site name: SPENCE ELECTROPLATING
Classification: Large Quantity Generator

Date form received by agency: 03/04/1999
Site name: SPENCE ELECTRO PLATING
Classification: Large Quantity Generator

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SPENCE ELECTROPLATING (Continued)

1000308095

Date form received by agency: 09/01/1996
Site name: SPENCE ELECTRO PLATING CO#
Classification: Small Quantity Generator

Facility Has Received Notices of Violations:

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 09/14/2004
Date achieved compliance: 02/17/2005
Violation lead agency: EPA
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:

Evaluation date: 02/17/2005
Evaluation: NOT A SIGNIFICANT NON-COMPLIER
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 09/21/2004
Evaluation: SIGNIFICANT NON-COMPLIER
Area of violation: Generators - General
Date achieved compliance: 02/17/2005
Evaluation lead agency: EPA

Evaluation date: 09/14/2004
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 02/17/2005
Evaluation lead agency: EPA

ENVIROSTOR:

Facility ID: 71002184
Status: Refer: Other Agency
Status Date: Not reported
Site Code: Not reported
Site Type: Tiered Permit
Site Type Detailed: Tiered Permit
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: Not reported
Division Branch: Cleanup Chatsworth
Assembly: 27
Senate: 15
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SPENCE ELECTROPLATING (Continued)

1000308095

Funding: Not reported
Latitude: 37.34725
Longitude: -121.9189
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CAD008308520
Alias Type: EPA Identification Number
Alias Name: 71002184
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 02/20/2001
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

CPS-SLIC:

Region: STATE
Facility Status: **Completed - Case Closed**
Status Date: 11/19/2014
Global Id: SL603799003
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number: Not reported
Latitude: 34.18194
Longitude: -118.319694
Case Type: Cleanup Program Site
Case Worker: GJH
Local Agency: Not reported
RB Case Number: 109.6716
File Location: Not reported
Potential Media Affected: Aquifer used for drinking water supply
Potential Contaminants of Concern: Not reported
Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

HIST UST:

File Number: 000287E1
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/000287E1.pdf>
Region: STATE
Facility ID: 00000046933
Facility Type: Other
Other Type: METAL FINISHING

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SPENCE ELECTROPLATING (Continued)

1000308095

Contact Name: MR. VAN STEWART
Telephone: 2138497725
Owner Name: SPENCE ELECTRO PLATING COMPANY
Owner Address: 1001 CHESTNUT ST.
Owner City,St,Zip: BURBANK, CA 91506
Total Tanks: 0001

Tank Num: 001
Container Num: 1
Year Installed: 1967
Tank Capacity: 00000000
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Visual

Click here for Geo Tracker PDF:

FINDS:

Registry ID: 110000477181

Environmental Interest/Information System

AIR EMISSIONS CLASSIFICATION UNKNOWN

US EPA TRIS (Toxics Release Inventory System) contains information from facilities on the amounts of over 300 listed toxic chemicals that these facilities release directly to air, water, land, or that are transported off-site.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HAZARDOUS WASTE BIENNIAL REPORTER

STATE MASTER

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1000308095
Registry ID: 110000477181
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110000477181>

EMI:

Year: 1987
County Code: 19
Air Basin: SC
Facility ID: 23025
Air District Name: SC

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SPENCE ELECTROPLATING (Continued)

1000308095

SIC Code: 3471
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

Year: 1990
County Code: 19
Air Basin: SC
Facility ID: 23025
Air District Name: SC
SIC Code: 3471
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 1
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

Year: 1995
County Code: 19
Air Basin: SC
Facility ID: 23025
Air District Name: SC
SIC Code: 3471
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 1
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

Year: 1996
County Code: 19
Air Basin: SC
Facility ID: 23025
Air District Name: SC
SIC Code: 3471
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1
Reactive Organic Gases Tons/Yr: 0

Map ID
Direction
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SPENCE ELECTROPLATING (Continued)

1000308095

Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 1
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

Year: 1997
County Code: 19
Air Basin: SC
Facility ID: 23025
Air District Name: SC
SIC Code: 3471
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 2
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 1
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

Year: 1998
County Code: 19
Air Basin: SC
Facility ID: 23025
Air District Name: SC
SIC Code: 3471
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 2
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 1
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

Year: 1999
County Code: 19
Air Basin: SC
Facility ID: 23025
Air District Name: SC
SIC Code: 3471
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 2
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 1
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SPENCE ELECTROPLATING (Continued)

1000308095

Year: 2000
County Code: 19
Air Basin: SC
Facility ID: 23025
Air District Name: SC
SIC Code: 3471
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 2
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 1
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 2001
County Code: 19
Air Basin: SC
Facility ID: 23025
Air District Name: SC
SIC Code: 3471
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 2002
County Code: 19
Air Basin: SC
Facility ID: 23025
Air District Name: SC
SIC Code: 3471
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 1
NOX - Oxides of Nitrogen Tons/Yr: 1
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 2003
County Code: 19
Air Basin: SC
Facility ID: 23025
Air District Name: SC
SIC Code: 3471

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SPENCE ELECTROPLATING (Continued)

1000308095

Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 1
NOX - Oxides of Nitrogen Tons/Yr: 1
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 2004
County Code: 19
Air Basin: SC
Facility ID: 23025
Air District Name: SC
SIC Code: 3471
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0.0994
Reactive Organic Gases Tons/Yr: 0.04
Carbon Monoxide Emissions Tons/Yr: 0.641
NOX - Oxides of Nitrogen Tons/Yr: 0.763
SOX - Oxides of Sulphur Tons/Yr: 0.00458
Particulate Matter Tons/Yr: 0.061213
Part. Matter 10 Micrometers and Smlr Tons/Yr:0.06

Year: 2005
County Code: 19
Air Basin: SC
Facility ID: 23025
Air District Name: SC
SIC Code: 3471
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: .038
Reactive Organic Gases Tons/Yr: .0160436
Carbon Monoxide Emissions Tons/Yr: .58
NOX - Oxides of Nitrogen Tons/Yr: .69
SOX - Oxides of Sulphur Tons/Yr: .00414
Particulate Matter Tons/Yr: .05839
Part. Matter 10 Micrometers and Smlr Tons/Yr:.0535381

ENF:
Region: 4
Facility Id: 261810
Agency Name: Spence Electroplating Company
Place Type: Manufacturing
Place Subtype: Manufacturing NEC
Facility Type: All other facilities
Agency Type: Privately-Owned Business
Of Agencies: 1
Place Latitude: 34.181694
Place Longitude: -118.321796
SIC Code 1: 3471

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SPENCE ELECTROPLATING (Continued)

1000308095

SIC Desc 1:	Electroplating, Plating, Polishing, Anodizing, and Coloring
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	WIP
Program Category1:	MONITORING
Program Category2:	MONITORING
# Of Programs:	1
WDID:	4WIP1096716
Reg Measure Id:	158097
Reg Measure Type:	Unregulated
Region:	4
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Never Active
Status Date:	02/20/2013
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	221013
Region:	4
Order / Resolution Number:	13267 Letter
Enforcement Action Type:	13267 Letter
Effective Date:	12/20/2000

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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

SPENCE ELECTROPLATING (Continued)

1000308095

Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	12/20/2000
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 4WIP1096716
Description:	Not reported
Program:	WIP
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	\$0.00
Initial Assessed Amount:	\$0.00
Liability \$ Amount:	\$0.00
Project \$ Amount:	\$0.00
Liability \$ Paid:	\$0.00
Project \$ Completed:	\$0.00
Total \$ Paid/Completed Amount:	\$0.00

LOS ANGELES CO. HMS:

Region:	LA
Permit Category:	Not reported
Facility Id:	023388-032666
Facility Type:	Not reported
Facility Status:	OPEN
Area:	3E
Permit Number:	Not reported
Permit Status:	Not reported

LA Co. Site Mitigation:

Facility ID:	Not reported
Status:	Not reported
Site ID:	SD0000429
Jurisdiction:	State
Case ID:	RO0001430
Abated:	Yes
Assigned To:	Kim Clark
Entered Date:	10/11/2011
Abated Date:	Not reported

WDS:

Facility ID:	4 19I000762
Facility Type:	Other - Does not fall into the category of Municipal/Domestic, Industrial, Agricultural or Solid Waste (Class I, II or III)
Facility Status:	Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number:	CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion:	4
Facility Telephone:	8185311931
Facility Contact:	Fred Harris
Agency Name:	SPENCE ELECTROPLATING COMPANY
Agency Address:	Not reported
Agency City,St,Zip:	0
Agency Contact:	Not reported
Agency Telephone:	Not reported

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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

SPENCE ELECTROPLATING (Continued)

1000308095

Agency Type: Private
SIC Code: 3471
SIC Code 2: Not reported
Primary Waste Type: Designated/Influent or Solid Wastes that pose a significant threat to water quality because of their high concentrations (E.G., BOD, Hardness, TRF, Chloride). 'Manageable' hazardous wastes (E.G., inorganic salts and heavy metals) are included in this category.
Primary Waste: STORMS
Waste Type2: Not reported
Waste2: Stormwater Runoff
Primary Waste Type: Designated/Influent or Solid Wastes that pose a significant threat to water quality because of their high concentrations (E.G., BOD, Hardness, TRF, Chloride). 'Manageable' hazardous wastes (E.G., inorganic salts and heavy metals) are included in this category.
Secondary Waste: Not reported
Secondary Waste Type: Not reported
Design Flow: 0
Baseline Flow: 0
Reclamation: No reclamation requirements associated with this facility.
POTW: The facility is not a POTW.
Treat To Water: Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
Complexity: Category C - Facilities having no waste treatment systems, such as cooling water dischargers or those who must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

WIP:
Region: 4
File Number: 109.6716
File Status: Backlog
Staff: UNIDENTIFIED
Facility Suite: Not reported

CIWQS:
Agency: Spence Electroplating Company
Agency Address: 1001 Chestnut St, Burbank, CA 91506
Place/Project Type: Industrial - Electroplating, Plating, Polishing, Anodizing, and Coloring
SIC/NAICS: 3471
Region: 4
Program: INDSTW
Regulatory Measure Status: Terminated
Regulatory Measure Type: Storm water industrial
Order Number: 2014-0057-DWQ
WDID: 4 19I000762
NPDES Number: CAS000001
Adoption Date: Not reported
Effective Date: 03/20/1992
Termination Date: 09/01/2005

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SPENCE ELECTROPLATING (Continued)

1000308095

Expiration/Review Date: Not reported
Design Flow: Not reported
Major/Minor: Not reported
Complexity: Not reported
TTWQ: Not reported
Enforcement Actions within 5 years: 0
Violations within 5 years: 0
Latitude: 34.18169
Longitude: -118.32174

AI212
SE
1/4-1/2
0.269 mi.
1422 ft.

BURBANK TRANSIT CENTER SOUTHERN PACIFIC
201 N FRONT ST
BURBANK, CA 91502
Site 1 of 4 in cluster AI

ENVIROSTOR
HWP
WIP

S104573940
N/A

Relative:
Lower
Actual:
574 ft.

ENVIROSTOR:
Facility ID: 80001671
Status: Active
Status Date: 04/30/2014
Site Code: 300299
Site Type: Corrective Action
Site Type Detailed: Corrective Action
Acres: 1.7
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: WM
Program Manager: Maria Fabella
Supervisor: Philip Chandler
Division Branch: Cleanup Chatsworth
Assembly: 43
Senate: 25
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: EPA Grant
Latitude: 34.17923
Longitude: -118.3123
APN: NONE SPECIFIED
Past Use: HAZARDOUS WASTE STORAGE - TANKS/CONTAINERS
Potential COC: Benzene Tetrachloroethylene (PCE 1,1,1-Trichloroethane (TCA
Trichloroethylene (TCE Chloroform 1,1-Dichloroethane
1,2-Dichloroethane (EDC 1,1-Dichloroethylene 1,2-Dichloroethylene
(cis 1,2-Dichloroethylene (trans Methylene chloride
Confirmed COC: NONE SPECIFIED
Potential Description: IA, OTH, SOIL, SV, SURFW
Alias Name: RAIL CHEMICAL DIVISION
Alias Type: Alternate Name
Alias Name: CAD075275180
Alias Type: EPA Identification Number
Alias Name: 110000609814
Alias Type: EPA (FRS #)
Alias Name: 300299
Alias Type: Project Code (Site Code)
Alias Name: 19281146
Alias Type: Envirostor ID Number
Alias Name: 80001671
Alias Type: Envirostor ID Number

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BURBANK TRANSIT CENTER SOUTHERN PACIFIC (Continued)

S104573940

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 06/30/1998
Comments: Closure Certification Acknowledgment Letter issued on June 30, 1998

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Corrective Measure Implementation Workplan
Completed Date: 06/30/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Corrective Measures Study Report
Completed Date: 06/30/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Interim Measures Questionnaire
Completed Date: 12/31/1992
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/13/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RCRA Facility Assessment Report
Completed Date: 09/11/1992
Comments: Not reported

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Corrective Action Completion Determination
Future Due Date: 2019
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Remedy Selection and Statement of Basis
Future Due Date: 2019
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Fact Sheets
Future Due Date: 2019
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Public Notice
Future Due Date: 2019
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Public Participation Plan / Community Relations Plan
Future Due Date: 2019

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BURBANK TRANSIT CENTER SOUTHERN PACIFIC (Continued)

S104573940

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Community Profile
Future Due Date: 2019
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

HWP:

EPA Id: CAD075275180
Cleanup Status: CLOSED
Latitude: 34.17923
Longitude: -118.3123
Facility Type: Historical - Non-Operating
Facility Size: Not reported
Team: Not reported
Supervisor: Not reported
Site Code: 300299
Assembly District: 43
Senate District: 25
Public Information Officer: Not reported
Public Information Officer: Not reported

Activities:

EPA Id: CAD075275180
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1
Event Description: New Operating Permit - APPLICATION PART B RECEIVED
Actual Date: 07/06/1983

EPA Id: CAD075275180
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1
Event Description: New Operating Permit - CALL-IN LETTER ISSUED
Actual Date: 03/22/1983

EPA Id: CAD075275180
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1
Event Description: New Operating Permit - FINAL PERMIT - WITHDRAWAL REQUEST RECEIVED
Actual Date: 03/15/1984

EPA Id: CAD075275180
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1
Event Description: New Operating Permit - FINAL PERMIT - WITHDRAWAL REQUEST ACKNOWLEDGED
Actual Date: 04/16/1984

Closure:

EPA Id: CAD075275180
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1
Event Description: Closure Final - ISSUE CLOSURE VERIFICATION
Actual Date: 06/30/1998

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BURBANK TRANSIT CENTER SOUTHERN PACIFIC (Continued)

S104573940

EPA Id: CAD075275180
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1
Event Description: Closure Final - RECEIVE CLOSURE CERTIFICATION
Actual Date: 04/30/1984

Alias:

EPA Id: CAD075275180
Facility Type: Historical - Non-Operating
Alias Type: FRS
Alias: 110000609814

EPA Id: CAD075275180
Facility Type: Historical - Non-Operating
Alias Type: Envirostor ID Number
Alias: 19281146

EPA Id: CAD075275180
Facility Type: Historical - Non-Operating
Alias Type: Project Code (Site Code)
Alias: 300299

EPA Id: CAD075275180
Facility Type: Historical - Non-Operating
Alias Type: Alternate Name
Alias: RAIL CHEMICAL DIVISION

Maintenance:

EPA Id: CAD075275180
Title: Deed restriction for the SP Transportation Co. dated 6/21/1990.
Document Type: Deed Restriction / LUC Issued
Received Date: 06/21/1990

WIP:

Region: 4
File Number: 109.5913
File Status: Active
Staff: DYOUNG
Facility Suite: Not reported

AI213
SE
1/4-1/2
0.269 mi.
1422 ft.

SANDOVAL DIESEL CO
201 A NO FRONT STREET
BURBANK, CA 91502
Site 2 of 4 in cluster AI

DEED S113033581
HAZNET N/A

Relative:
Lower

DEED:
Envirostor ID: CAD075275180
Area: Not reported
Sub Area: Not reported
Site Type: CLOSED
Status: CLOSED
Agency: Not reported
Covenant Uploaded: Not reported
Deed Date(s): 06/21/1990

Actual:
574 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SANDOVAL DIESEL CO (Continued)

S113033581

File Name: Envirostor Land Use Restrictions

HAZNET:

envid: S113033581
Year: 2000
GEPAID: CAL000031429
Contact: INACTIVATED UNDELIVERABLE
Telephone: --
Mailing Name: Not reported
Mailing Address: 201 A NO FRONT STREET
Mailing City,St,Zip: BURBANK, CA 915020000
Gen County: Not reported
TSD EPA ID: CAD028409019
TSD County: Not reported
Waste Category: Off-specification, aged or surplus organics
Disposal Method: Transfer Station
Tons: 2.29
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

**AI214
SE
1/4-1/2
0.269 mi.
1422 ft.**

**RAILCHEM
201 N. FRONT ST.
BURBANK, CA 91502
Site 3 of 4 in cluster AI**

**SEMS-ARCHIVE 1000278017
CORRACTS CAD075275180
RCRA-TSDF
RCRA-SQG
RAATS
FINDS
ECHO**

**Relative:
Lower**

**Actual:
574 ft.**

SEMS Archive:
Site ID: 904464
EPA ID: CAD075275180
Cong District: 22
FIPS Code: 6037
FF: N
NPL: Not on the NPL
Non NPL Status: Deferred to RCRA (Subtitle C)

SEMS Archive Detail:

Region: 9
Site ID: 904464
EPA ID: CAD075275180
Site Name: RAILCHEM
NPL: N
FF: N
OU: 0
Action Code: VS
Action Name: ARCH SITE
SEQ: 1
Start Date: Not reported
Finish Date: 1996-01-23 00:00:00
Qual: Not reported
Current Action Lead: EPA Perf In-Hse

Region: 9
Site ID: 904464
EPA ID: CAD075275180
Site Name: RAILCHEM

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RAILCHEM (Continued)

1000278017

NPL: N
FF: N
OU: 0
Action Code: PA
Action Name: PA
SEQ: 1
Start Date: Not reported
Finish Date: 1992-10-19 00:00:00
Qual: D
Current Action Lead: EPA Perf

Region: 9
Site ID: 904464
EPA ID: CAD075275180
Site Name: RAILCHEM
NPL: N
FF: N
OU: 0
Action Code: DS
Action Name: DISCVRY
SEQ: 1
Start Date: 1992-04-08 00:00:00
Finish Date: 1992-04-08 00:00:00
Qual: Not reported
Current Action Lead: EPA Perf

CORRACTS:

EPA ID: CAD075275180
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 19920911
Action: CA029ST
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD075275180
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 19920911
Action: CA050PA - RFA Completed, Assessment was a PA-Plus
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD075275180
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 19920911
Action: CA075ME - CA Prioritization, Facility or area was assigned a medium corrective action priority
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RAILCHEM (Continued)

1000278017

EPA ID: CAD075275180
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 19921222
Action: CA075ME - CA Prioritization, Facility or area was assigned a medium corrective action priority
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD075275180
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 19921231
Action: CA225NR - Stabilization Measures Evaluation, This facility is, not amenable to stabilization activity at the, present time for reasons other than (1) it appears to be technically, infeasible or inappropriate (NF) or (2) there is a lack of technical, information (IN). Reasons for this conclusion may be the status of, closure at the facility, the degree of risk, timing considerations, the status of corrective action work at the facility, or other, administrative considerations
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD075275180
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: Not reported
Action: CA100 - RFI Imposition
NAICS Code(s): Not reported
Original schedule date: 19991230
Schedule end date: Not reported

RCRA-TSDF:

Date form received by agency: 09/01/1996
Facility name: BURBANK TRANSIT CTR S PACIFIC
Facility address: 201 N FRONT ST
BURBANK, CA 91502
EPA ID: CAD075275180
Contact: Not reported
Contact address: Not reported
Not reported
Contact country: US
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 09
Land type: Facility is not located on Indian land. Additional information is not known.
Classification: TSDF
Description: Handler is engaged in the treatment, storage or disposal of hazardous waste

Owner/Operator Summary:

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RAILCHEM (Continued)

1000278017

NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: SOUTHERN PACIFIC RR JOHN MOE
Owner/operator address: ONE MARKET PLAZA
SAN FRANCISCO, CA 94105

Owner/operator country: Not reported
Owner/operator telephone: 415-541-2557
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: Yes
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 04/18/1994
Site name: BURBANK TRANSIT CTR S PACIFIC
Classification: Small Quantity Generator

Corrective Action Summary:

Event date: 09/11/1992
Event: LEAD AGENCY DETERMINATION

Event date: 09/11/1992
Event: RFA COMPLETED-ASSESSMENT WAS A PA-PLUS

Event date: 09/11/1992
Event: CA PRIORITIZATION-MEDIUM CA PRIORITY

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RAILCHEM (Continued)

1000278017

Event date: 12/22/1992
Event: CA PRIORITIZATION-MEDIUM CA PRIORITY

Event date: 12/31/1992
Event: STABILIZATION MEASURES EVALUATION-FACILITY NOT AMENABLE TO STABILIZATION

Event date: 06/30/2000
Event: CMI WORKPLAN APPROVED

Event date: Not reported
Event: INVESTIGATION IMPOSITION

Facility Has Received Notices of Violations:

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 07/26/1990
Date achieved compliance: 01/01/1991
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 10/26/1990
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 07/26/1990
Date achieved compliance: 01/01/1991
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 01/07/1991
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 30000
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Closure/Post-Closure
Date violation determined: 07/26/1990
Date achieved compliance: 01/01/1991
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 01/07/1991
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 30000
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RAILCHEM (Continued)

1000278017

Area of violation: Generators - General
Date violation determined: 07/26/1990
Date achieved compliance: 01/01/1991
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 11/07/1991
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 30000
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Transporters - General
Date violation determined: 07/26/1990
Date achieved compliance: 01/01/1991
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 10/26/1990
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Closure/Post-Closure
Date violation determined: 07/26/1990
Date achieved compliance: 01/01/1991
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 10/26/1990
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Transporters - General
Date violation determined: 07/26/1990
Date achieved compliance: 01/01/1991
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 11/07/1991
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 30000
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Transporters - General

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RAILCHEM (Continued)

1000278017

Date violation determined: 07/26/1990
Date achieved compliance: 01/01/1991
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 01/07/1991
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 30000
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Closure/Post-Closure
Date violation determined: 07/26/1990
Date achieved compliance: 01/01/1991
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 11/07/1991
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 30000
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:

Evaluation date: 12/13/1996
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 07/26/1990
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Closure/Post-Closure
Date achieved compliance: 01/01/1991
Evaluation lead agency: State

Evaluation date: 07/26/1990
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Transporters - General
Date achieved compliance: 01/01/1991
Evaluation lead agency: State

Evaluation date: 07/26/1990
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 01/01/1991
Evaluation lead agency: State

FINDS:

Registry ID: 110009533852

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RAILCHEM (Continued)

1000278017

Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1000278017
Registry ID: 110009533852
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110009533852>

**AI215
SE
1/4-1/2
0.269 mi.
1422 ft.**

**METRO LINK STATION
201 FRONT ST
BURBANK, CA 91510
Site 4 of 4 in cluster AI**

**CPS-SLIC S112905020
HAZNET N/A**

**Relative:
Lower**

**CPS-SLIC:
Region:**

STATE

**Actual:
574 ft.**

Facility Status:

Completed - Case Closed

Status Date:

09/30/2015

Global Id:

T10000004619

Lead Agency:

LOS ANGELES RWQCB (REGION 4)

Lead Agency Case Number:

Not reported

Latitude:

34.1793940359903

Longitude:

-118.313055038452

Case Type:

Cleanup Program Site

Case Worker:

GP

Local Agency:

Not reported

RB Case Number:

109.5913

File Location:

Regional Board

Potential Media Affected:

Soil

Potential Contaminants of Concern:

Chromium, Chromium VI

Site History:

The Site had undergone SVE remediation for treatment of PCE and TCE from 1993 to 1996. An NFR for VOCs in soils only was issued by LA-RWQCB. The closure and abandonment of the system was approved by DTSC, the lead agency at the time. Regional Board issued a CWC 13267 Order for a subsurface investigation of chromium and hexavalent chromium. A site assessment was conducted in December 2014, which included one boring advanced to 46 feet bgs in the area near a storm drain inlet where elevated total chromium concentration was reported in a surface sediment sample in 1983. Hexavalent chromium was not detected above laboratory reporting limits in the soil in December 2014. The maximum concentration of total chromium detected was 39.4 mg/kg, well below the USEPA Region 9 RSL of 180,000 mg/kg for industrial/commercial sites.

Click here to access the California GeoTracker records for this facility:

HAZNET:

envid: S112905020
Year: 1999
GEPAID: CAC002220377

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

METRO LINK STATION (Continued)

S112905020

Contact: CITY OF BURBANK
Telephone: 8182383800
Mailing Name: Not reported
Mailing Address: 2401 E SEPULVEDA BLVD RM 105
Mailing City,St,Zip: LONG BEACH, CA 908100000
Gen County: Not reported
TSD EPA ID: CAT080033681
TSD County: Not reported
Waste Category: Unspecified oil-containing waste
Disposal Method: Recycler
Tons: 1.8348
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: S112905020
Year: 1999
GEPAID: CAC002220377
Contact: CITY OF BURBANK
Telephone: 8182383800
Mailing Name: Not reported
Mailing Address: 2401 E SEPULVEDA BLVD RM 105
Mailing City,St,Zip: LONG BEACH, CA 908100000
Gen County: Not reported
TSD EPA ID: CAT080033681
TSD County: Not reported
Waste Category: Unspecified oil-containing waste
Disposal Method: Disposal, Land Fill
Tons: 3.2500
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: S112905020
Year: 1999
GEPAID: CAC002220377
Contact: CITY OF BURBANK
Telephone: 8182383800
Mailing Name: Not reported
Mailing Address: 2401 E SEPULVEDA BLVD RM 105
Mailing City,St,Zip: LONG BEACH, CA 908100000
Gen County: Not reported
TSD EPA ID: CAT080033681
TSD County: Not reported
Waste Category: Unspecified oil-containing waste
Disposal Method: Not reported
Tons: 3.2500
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: S112905020
Year: 1999
GEPAID: CAC002220377
Contact: CITY OF BURBANK
Telephone: 8182383800
Mailing Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

METRO LINK STATION (Continued)

S112905020

Mailing Address: 2401 E SEPULVEDA BLVD RM 105
Mailing City,St,Zip: LONG BEACH, CA 908100000
Gen County: Not reported
TSD EPA ID: CAT080033681
TSD County: Not reported
Waste Category: Not reported
Disposal Method: Not reported
Tons: 1.8348
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

AJ216
West
1/4-1/2
0.299 mi.
1580 ft.

SUN ART PLATING CO.
1021 ISABEL ST
BURBANK, CA 91506

CPS-SLIC
WIP

S106484788
N/A

Site 1 of 5 in cluster AJ

Relative:
Higher

CPS-SLIC:

Region:

STATE

Actual:
593 ft.

Facility Status:

Completed - Case Closed

Status Date:

10/07/2005

Global Id:

SL603798993

Lead Agency:

LOS ANGELES RWQCB (REGION 4)

Lead Agency Case Number:

Not reported

Latitude:

34.182969

Longitude:

-118.320202

Case Type:

Cleanup Program Site

Case Worker:

Not reported

Local Agency:

Not reported

RB Case Number:

109.6173

File Location:

Not reported

Potential Media Affected:

Aquifer used for drinking water supply

Potential Contaminants of Concern:

Not reported

Site History:

Not reported

[Click here to access the California GeoTracker records for this facility:](#)

WIP:

Region:

4

File Number:

109.6173

File Status:

Backlog

Staff:

UNIDENTIFIED

Facility Suite:

Not reported

AJ217
WSW
1/4-1/2
0.310 mi.
1638 ft.

MIDWEST COMMUNICATION CORP.
1117 ISABEL ST.
BURBANK, CA 91506

CPS-SLIC
CHMIRS
WIP

S100215914
N/A

Site 2 of 5 in cluster AJ

Relative:
Higher

CPS-SLIC:

Region:

STATE

Actual:
592 ft.

Facility Status:

Completed - Case Closed

Status Date:

12/22/2014

Global Id:

SL603798994

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MIDWEST COMMUNICATION CORP. (Continued)

S100215914

Lead Agency: LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number: Not reported
Latitude: 34.182969
Longitude: -118.320202
Case Type: Cleanup Program Site
Case Worker: GJH
Local Agency: Not reported
RB Case Number: 109.6174
File Location: Not reported
Potential Media Affected: Aquifer used for drinking water supply
Potential Contaminants of Concern: Not reported
Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

CHMIRS:

OES Incident Number: 801222
OES notification: Not reported
OES Date: Not reported
OES Time: Not reported
Date Completed: 18-APR-88
Property Use: 700
Agency Id Number: 19030
Agency Incident Number: 0B8802259
Time Notified: 848
Time Completed: 1314
Surrounding Area: 700
Estimated Temperature: 65
Property Management: P
More Than Two Substances Involved?: N
Resp Agncy Personel # Of Decontaminated: Not reported
Responding Agency Personel # Of Injuries: Not reported
Responding Agency Personel # Of Fatalities: Not reported
Others Number Of Decontaminated: 1
Others Number Of Injuries: 23
Others Number Of Fatalities: Not reported
Vehicle Make/year: Not reported
Vehicle License Number: Not reported
Vehicle State: Not reported
Vehicle Id Number: Not reported
CA DOT PUC/ICC Number: Not reported
Company Name: Not reported
Reporting Officer Name/ID: LEWIS STONE
Report Date: 18-APR-88
Facility Telephone: 818 953-8771
Waterway Involved: Not reported
Waterway: Not reported
Spill Site: Not reported
Cleanup By: Not reported
Containment: Not reported
What Happened: Not reported
Type: Not reported
Measure: Not reported
Other: Not reported
Date/Time: Not reported
Year: 88-92
Agency: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MIDWEST COMMUNICATION CORP. (Continued)

S100215914

Incident Date: 18-APR-88
Admin Agency: Not reported
Amount: Not reported
Contained: Not reported
Site Type: Not reported
E Date: Not reported
Substance: Not reported
Unknown: Not reported
Substance #2: Not reported
Substance #3: Not reported
Evacuations: Not reported
Number of Injuries: Not reported
Number of Fatalities: Not reported
#1 Pipeline: Not reported
#2 Pipeline: Not reported
#3 Pipeline: Not reported
#1 Vessel >= 300 Tons: Not reported
#2 Vessel >= 300 Tons: Not reported
#3 Vessel >= 300 Tons: Not reported
Evacs: Not reported
Injuries: Not reported
Fatafs: Not reported
Comments: Y
Description: Not reported

WIP:

Region: 4
File Number: 109.6174
File Status: Backlog
Staff: UNIDENTIFIED
Facility Suite: Not reported

218
SSE
1/4-1/2
0.314 mi.
1659 ft.

CITY OF BURBANK
5 OLIVE ST W
BURBANK, CA 91502

LUST S104773276
HIST CORTESE N/A

Relative:
Lower
Actual:
557 ft.

LUST:

Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603702497
Global Id: T0603702497
Latitude: 34.177522
Longitude: -118.3124196
Status: Completed - Case Closed
Status Date: 06/30/2000
Case Worker: AT
RB Case Number: 915020034
Local Agency: BURBANK, CITY OF
File Location: Not reported
Local Case Number: Not reported
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:

Global Id: T0603702497

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CITY OF BURBANK (Continued)

S104773276

Contact Type: Regional Board Caseworker
Contact Name: ARMAN TOUMARI
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 WEST 4TH STREET, SUITE 200
City: LOS ANGELES
Email: atoumari@waterboards.ca.gov
Phone Number: 2135766708

Global Id: T0603702497
Contact Type: Local Agency Caseworker
Contact Name: JORGE MARTINEZ
Organization Name: BURBANK, CITY OF
Address: 311 E ORANGE GROVE AVE
City: BURBANK
Email: jmartinez@ci.burbank.ca.us
Phone Number: Not reported

LUST:
Global Id: T0603702497
Action Type: Other
Date: 08/09/1990
Action: Leak Reported

LUST:
Global Id: T0603702497
Status: Open - Case Begin Date
Status Date: 08/09/1990

Global Id: T0603702497
Status: Open - Site Assessment
Status Date: 11/06/1990

Global Id: T0603702497
Status: Completed - Case Closed
Status Date: 06/30/2000

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: 915020034
Status: Case Closed
Substance: Gasoline
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Groundwater
Abatement Method Used at the Site: Not reported
Global ID: T0603702497
W Global ID: Not reported
Staff: AT
Local Agency: 19007
Cross Street: 001 ST STREET-FLOWER ST
Enforcement Type: Not reported
Date Leak Discovered: Not reported
Date Leak First Reported: 8/9/1990

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CITY OF BURBANK (Continued)

S104773276

Date Leak Record Entered: 11/6/1990
Date Confirmation Began: Not reported
Date Leak Stopped: Not reported
Date Case Last Changed on Database: 10/20/2000
Date the Case was Closed: 6/30/2000
How Leak Discovered: Tank Closure
How Leak Stopped: Not reported
Cause of Leak: UNK
Leak Source: Tank
Operator: OLD CASE 109.5310
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 592.71216192644256686392551697
Source of Cleanup Funding: Tank
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: 11/6/1990
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Enforcement Action Date: Not reported
Historical Max MTBE Date: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: 10
Significant Interim Remedial Action Taken: Yes
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: CITY OF BURBANK
RP Address: P.O. BOX 6459, BURBANK, CA 91510-6459
Program: LUST
Lat/Long: 34.177522 / -1
Local Agency Staff: DB
Beneficial Use: Not reported
Priority: LOP/LOW - MINOR OR NO POTENTIAL WATER RESOURCE IMPACT
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: 7SEP95SANWA BANK CALIFORNIA - RP? SOIL SAMPLES AT VAPOR WELLBTEX
3,480/34,600/37,600/140,000 PPB (15JUN95 APPENDIX G) VAPOR CONCS
TPH-G 46,000 PPM(V); BTEX 490/650/93/360 PPM(V) 11/06/90 CASE ASSIGNED
TO EGS;10/20/00 LETTER

HIST CORTESE:

Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: 915020034

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

219
South
1/4-1/2
0.315 mi.
1663 ft.

ACSCO PRODUCTS INC
313 N LAKE ST
BURBANK, CA 91502

CPS-SLIC
LOS ANGELES CO. HMS
WIP

S100854057
N/A

Relative:
Lower

CPS-SLIC:

Region:

STATE

Actual:
566 ft.

Facility Status:

Completed - Case Closed

Status Date:

12/19/2014

Global Id:

SL603798591

Lead Agency:

LOS ANGELES RWQCB (REGION 4)

Lead Agency Case Number:

Not reported

Latitude:

34.1768

Longitude:

-118.3154

Case Type:

Cleanup Program Site

Case Worker:

GJH

Local Agency:

Not reported

RB Case Number:

104.0030

File Location:

Not reported

Potential Media Affected:

Aquifer used for drinking water supply

Potential Contaminants of Concern:

Not reported

Site History:

Not reported

[Click here to access the California GeoTracker records for this facility:](#)

LOS ANGELES CO. HMS:

Region:

LA

Permit Category:

Not reported

Facility Id:

025752-035231

Facility Type:

Not reported

Facility Status:

OPEN

Area:

3E

Permit Number:

Not reported

Permit Status:

Not reported

WIP:

Region:

4

File Number:

104.0030

File Status:

Backlog

Staff:

UNIDENTIFIED

Facility Suite:

Not reported

220
East
1/4-1/2
0.316 mi.
1669 ft.

BURBANK GATEWAY CENTER
0 3RD & MAGNOLIA BLVD.
BURBANK, CA 91502

CPS-SLIC

S106484796
N/A

Relative:
Higher

CPS-SLIC:

Region:

STATE

Actual:
635 ft.

Facility Status:

Completed - Case Closed

Status Date:

12/12/2014

Global Id:

SL603799001

Lead Agency:

LOS ANGELES RWQCB (REGION 4)

Lead Agency Case Number:

Not reported

Latitude:

34.184265

Longitude:

-118.310511

Case Type:

Cleanup Program Site

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BURBANK GATEWAY CENTER (Continued)

S106484796

Case Worker: GJH
Local Agency: Not reported
RB Case Number: 109.6683
File Location: Not reported
Potential Media Affected: Aquifer used for drinking water supply
Potential Contaminants of Concern: Not reported
Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

AJ221
WSW
1/4-1/2
0.320 mi.
1689 ft.

DYNAMIC PLATING INC
1100-02 ISABEL ST
BURBANK, CA 91506
Site 3 of 5 in cluster AJ

SEMS **1000149767**
RCRA-SQG **CAD053878120**
PRP

Relative:
Higher
Actual:
591 ft.

SEMS:
Site ID: 903843
EPA ID: CAD053878120
Cong District: 21
FIPS Code: 6037
Latitude: Not reported
Longitude: Not reported
FF: N
NPL: Not on the NPL
Non NPL Status: Removal Only Site (No Site Assessment Work Needed)

SEMS Detail:

Region: 9
Site ID: 903843
EPA ID: CAD053878120
Site Name: DYNAMIC PLATING INC.
NPL: N
FF: N
OU: 0
Action Code: RV
Action Name: RMVL
SEQ: 1
Start Date: 2002-09-20 00:00:00
Finish Date: 11/9/2002
Qual: C
Current Action Lead: EPA Perf

Region: 9
Site ID: 903843
EPA ID: CAD053878120
Site Name: DYNAMIC PLATING INC.
NPL: N
FF: N
OU: 0
Action Code: DS
Action Name: DISCVRY
SEQ: 1
Start Date: 1990-01-22 00:00:00
Finish Date: 1/22/1990
Qual: Not reported
Current Action Lead: St Perf

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DYNAMIC PLATING INC (Continued)

1000149767

RCRA-SQG:

Date form received by agency: 09/01/1996
Facility name: DYNAMIC PLATING INC
Facility address: 1100-02 ISABEL ST
BURBANK, CA 91506
EPA ID: CAD053878120
Mailing address: ISABEL ST
BURBANK, CA 91506
Contact: Not reported
Contact address: Not reported
Not reported
Contact country: US
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: CHUCK CEBALLOS
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DYNAMIC PLATING INC (Continued)

1000149767

On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found
PRP name: CEBALLOS, MR. CHUCK
DYNAMIC PLATING, INC.
GUERRERO, MR. FRANK

AJ222
WSW
1/4-1/2
0.320 mi.
1689 ft.

FORMER DYNAMIC PLATING COMPANY SITE
1102 WEST ISABEL STREET
BURBANK, CA 91506
Site 4 of 5 in cluster AJ

RESPONSE
ENVIROSTOR
LIENS
Cortese

S108407639
N/A

Relative:
Higher

Actual:
591 ft.

RESPONSE:
Facility ID: 60000535
Site Type: State Response
Site Type Detail: State Response or NPL
Acres: 0.24
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Not reported
Supervisor: Juli Propes
Division Branch: Cleanup Chatsworth
Site Code: 301328
Site Mgmt. Req.: NONE SPECIFIED
Assembly: 43
Senate: 25
Special Program Status: Not reported
Status: Active
Status Date: 01/31/2007
Restricted Use: NO
Funding: Orphan Funds
Latitude: 34.18210
Longitude: -118.3233
APN: 2449012012
Past Use: METAL PLATING - CHROME
Potential COC : Total Chromium (1:6 ratio Cr VI:Cr III Tetrachloroethylene (PCE Trichloroethylene (TCE Cadmium and compounds Chromium VI Tetrachloroethylene (PCE Trichloroethylene (TCE Cadmium and compounds Chromium VI Total Chromium (1:6 ratio Cr VI:Cr III
Confirmed COC: SOIL
Potential Description: 2449012012
Alias Name: APN
Alias Type: SL603798986
Alias Name: GeoTracker Global ID
Alias Type: SL603798987
Alias Name: GeoTracker Global ID
Alias Type: 301328
Alias Name: Project Code (Site Code)

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORMER DYNAMIC PLATING COMPANY SITE (Continued)

S108407639

Alias Name: 60000535
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: No Further Action Letter
Completed Date: 09/15/2011
Comments: No further action determination for the soil is appropriate for industrial/commercial use.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 07/22/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Imminent and/or Subst. Endangerment Determination
Completed Date: 04/11/2007
Comments: 4/11/2007 - Branch Chief approves document

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 08/26/2008
Comments: DTSC conditionally approves the workplan provided the review comments are addressed during implementation of workplan, and in preparation of the report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 02/09/2010
Comments: Technical support (geologist and toxicologist) recommended the approval of the December 2009 version of the document.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Lien
Completed Date: 12/10/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract
Completed Date: 07/14/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Work Order
Completed Date: 03/28/2008
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORMER DYNAMIC PLATING COMPANY SITE (Continued)

S108407639

Completed Document Type: State/Federal Funded Site Contract
Completed Date: 03/20/2008
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Triage Meeting
Completed Date: 05/05/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract
Completed Date: 03/20/2008
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Work Order
Completed Date: 03/30/2008
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract
Completed Date: 07/14/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract
Completed Date: 04/30/2010
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

ENVIROSTOR:

Facility ID: 60000535
Status: Active
Status Date: 01/31/2007
Site Code: 301328
Site Type: State Response
Site Type Detailed: State Response or NPL
Acres: 0.24
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Not reported
Supervisor: Juli Propes

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORMER DYNAMIC PLATING COMPANY SITE (Continued)

S108407639

Division Branch: Cleanup Chatsworth
Assembly: 43
Senate: 25
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Orphan Funds
Latitude: 34.18210
Longitude: -118.3233
APN: 2449012012
Past Use: METAL PLATING - CHROME
Potential COC: Total Chromium (1:6 ratio Cr VI:Cr III Tetrachloroethylene (PCE Trichloroethylene (TCE Cadmium and compounds Chromium VI Tetrachloroethylene (PCE Trichloroethylene (TCE Cadmium and compounds Chromium VI Total Chromium (1:6 ratio Cr VI:Cr III SOIL
Confirmed COC: Tetrachloroethylene (PCE Trichloroethylene (TCE Cadmium and compounds Chromium VI Total Chromium (1:6 ratio Cr VI:Cr III SOIL
Potential Description: SOIL
Alias Name: 2449012012
Alias Type: APN
Alias Name: SL603798986
Alias Type: GeoTracker Global ID
Alias Name: SL603798987
Alias Type: GeoTracker Global ID
Alias Name: 301328
Alias Type: Project Code (Site Code)
Alias Name: 60000535
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: No Further Action Letter
Completed Date: 09/15/2011
Comments: No further action determination for the soil is appropriate for industrial/commercial use.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 07/22/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Imminent and/or Subst. Endangerment Determination
Completed Date: 04/11/2007
Comments: 4/11/2007 - Branch Chief approves document

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 08/26/2008
Comments: DTSC conditionally approves the workplan provided the review comments are addressed during implementation of workplan, and in preparation of the report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORMER DYNAMIC PLATING COMPANY SITE (Continued)

S108407639

Completed Date: 02/09/2010
Comments: Technical support (geologist and toxicologist) recommended the approval of the December 2009 version of the document.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Lien
Completed Date: 12/10/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract
Completed Date: 07/14/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Work Order
Completed Date: 03/28/2008
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract
Completed Date: 03/20/2008
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Triage Meeting
Completed Date: 05/05/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract
Completed Date: 03/20/2008
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Work Order
Completed Date: 03/30/2008
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract
Completed Date: 07/14/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract
Completed Date: 04/30/2010
Comments: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORMER DYNAMIC PLATING COMPANY SITE (Continued)

S108407639

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

LIENS:

Envirostor Id: 60000535
Latitude: 34.182108
Longitude: -118.32334
Project Mgr: PATRICK MOVLAY*
Project Code: 301328
If Satisfied: NO
Date Satisfied: Not reported
Site Status: ACTIVE
Site Type: STATE RESPONSE OR NPL
Completed: 12/10/2013
Lien Amount: \$285,453.56
Amount Remaining: Not reported
APNS: 2449012012
Description:

The former Dynamic Plating Facility Site (Site) is located at 1102 West Isabel Street, Burbank, California. The nearest residential area is located about 450 feet to the west, and the nearest school is about 3000 feet to the northeast. The Site was a metal plating shop that operated between 1959 and 1990. The operation was housed in an approximately 4,000 square foot building. The plating shop was closed by local authorities (Burbank Public Works revoked facility Industrial Waste Discharge Permit, facility business license also revoked) in January of 1990 due to improper waste water discharge. Previous investigation at the Site conducted in September 1989 reported the presence of volatile organic compounds (VOC's), cyanide and metals in soils underlying the Site. The VOC's that have been identified include PCE, TCE and 1,1,1-TCA. The metals include chromium, cadmium and zinc. These contaminants are directly related to chemicals/waste stored or used onsite. US/EPA in response to request from the Burbank Fire Department performed a removal at the Site from September 21 to October 8, 2002. The removal focused on the demolition and removal of the contaminated structure, concrete foundations, paving, and shallow subsurface soils (2 feet below ground surface). After DTSC oversaw the investigation and cleanup at the site, DTSC determined that a Land Use Covenant was required to limit the use of the property for commercial and Industrial use only and in addition, required an Operation and Maintenance Agreement to periodically monitor the groundwater impacted with TCE and PCE. Since DTSC was not reimbursed for its cost associated with overseeing the investigation and cleanup at the site, DTSC determined that based on the information in DTSC's records pertaining to this site (including title search documents, reports of DTSC expenditures on the site, Imminent and Substantial Endangerment Determination, and Site Characterization and Baseline Risk Assessment Report), DTSC had a reasonable basis for its determination that the statutory elements for lien placement are satisfied. On December 10, 2013, a Lien was recorded with the County of Los Angeles in the amount of \$285,453.56.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORMER DYNAMIC PLATING COMPANY SITE (Continued)

S108407639

CORTESE:

Region: CORTESE
Envirostor Id: 60000535
Site/Facility Type: STATE RESPONSE
Cleanup Status: ACTIVE
Status Date: 01/31/2007
Site Code: 301328
Latitude: 34.182108
Longitude: -118.32334
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: envirostor
Order No: Not reported
Waste Discharge System No: Not reported
Effective Date: Not reported
Region 2: Not reported
WID Id: Not reported
Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported
File Name: Haz Waste & Substances Sites

AJ223
WSW
1/4-1/2
0.320 mi.
1689 ft.
DYNAMIC PLATING, INC.
1102 ISABEL
BURBANK, CA 91506

CPS-SLIC
ENF
WIP
S106484783
N/A

Site 5 of 5 in cluster AJ

Relative:
Higher

Actual:
591 ft.

CPS-SLIC:
Region: STATE
Facility Status: **Completed - Case Closed**
Status Date: 10/23/1989
Global Id: SL603798987
Lead Agency: DEPARTMENT OF TOXIC SUBSTANCES CONTROL
Lead Agency Case Number: 60000535
Latitude: 34.182969
Longitude: -118.320202
Case Type: Cleanup Program Site
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: 109.5378
File Location: Not reported
Potential Media Affected: Aquifer used for drinking water supply
Potential Contaminants of Concern: Not reported
Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

ENF:

Region: 4
Facility Id: 220963
Agency Name: Dynamic Plating, Inc.
Place Type: Facility
Place Subtype: Not reported
Facility Type: Not reported
Agency Type: Privately-Owned Business
Of Agencies: 1

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DYNAMIC PLATING, INC. (Continued)

S106484783

Place Latitude:	34.182456
Place Longitude:	-118.323312
SIC Code 1:	Not reported
SIC Desc 1:	Not reported
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	WIP
Program Category1:	MONITORING
Program Category2:	MONITORING
# Of Programs:	1
WDID:	4WIP1095378
Reg Measure Id:	156262
Reg Measure Type:	Unregulated
Region:	4
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	06/17/2005
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	221038
Region:	4

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DYNAMIC PLATING, INC. (Continued)

S106484783

Order / Resolution Number: 13267 Letter
Enforcement Action Type: 13267 Letter
Effective Date: 11/09/2000
Adoption/Issuance Date: Not reported
Achieve Date: Not reported
Termination Date: 11/09/2000
ACL Issuance Date: Not reported
EPL Issuance Date: Not reported
Status: Historical
Title: Enforcement - 4WIP1095378
Description: Not reported
Program: WIP
Latest Milestone Completion Date: Not reported
Of Programs1: 1
Total Assessment Amount: \$0.00
Initial Assessed Amount: \$0.00
Liability \$ Amount: \$0.00
Project \$ Amount: \$0.00
Liability \$ Paid: \$0.00
Project \$ Completed: \$0.00
Total \$ Paid/Completed Amount: \$0.00

WIP:

Region: 4
File Number: 109.5378
File Status: Active
Staff: MZAIDI
Facility Suite: Not reported

AK224 **TEXACO FOOD MART #0251**
SSW **400 VICTORY BLVD N**
1/4-1/2 **BURBANK, CA 91502**
0.330 mi.
1740 ft. **Site 1 of 2 in cluster AK**

LUST **S101307316**
HIST CORTESE **N/A**

Relative:
Lower

LUST:

Actual:
569 ft.

Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603792930
Global Id: T0603792930
Latitude: 34.177679
Longitude: -118.318407
Status: Completed - Case Closed
Status Date: 03/25/2009
Case Worker: AT
RB Case Number: 915020170
Local Agency: BURBANK, CITY OF
File Location: Regional Board
Local Case Number: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Diesel
Site History: Not reported

LUST:

Global Id: T0603792930
Contact Type: Regional Board Caseworker
Contact Name: ARMAN TOUMARI
Organization Name: LOS ANGELES RWQCB (REGION 4)

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TEXACO FOOD MART #0251 (Continued)

S101307316

Address: 320 WEST 4TH STREET, SUITE 200
City: LOS ANGELES
Email: atoumari@waterboards.ca.gov
Phone Number: 2135766708

Global Id: T0603792930
Contact Type: Local Agency Caseworker
Contact Name: JORGE MARTINEZ
Organization Name: BURBANK, CITY OF
Address: 311 E ORANGE GROVE AVE
City: BURBANK
Email: jmartinez@ci.burbank.ca.us
Phone Number: Not reported

LUST:

Global Id: T0603792930
Action Type: ENFORCEMENT
Date: 10/31/2007
Action: Staff Letter

Global Id: T0603792930
Action Type: Other
Date: 12/09/1993
Action: Leak Reported

Global Id: T0603792930
Action Type: RESPONSE
Date: 11/15/2007
Action: Other Report / Document

Global Id: T0603792930
Action Type: Other
Date: 12/09/1993
Action: Leak Stopped

Global Id: T0603792930
Action Type: ENFORCEMENT
Date: 03/25/2009
Action: Closure/No Further Action Letter

Global Id: T0603792930
Action Type: REMEDIATION
Date: 10/01/2008
Action: Excavation

Global Id: T0603792930
Action Type: RESPONSE
Date: 04/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0603792930
Action Type: RESPONSE
Date: 07/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0603792930
Action Type: Other

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TEXACO FOOD MART #0251 (Continued)

S101307316

Date: 12/09/1993
Action: Leak Discovery

LUST:

Global Id: T0603792930
Status: Open - Case Begin Date
Status Date: 12/09/1993

Global Id: T0603792930
Status: Open - Remediation
Status Date: 12/09/1993

Global Id: T0603792930
Status: Open - Site Assessment
Status Date: 03/06/2007

Global Id: T0603792930
Status: Completed - Case Closed
Status Date: 03/25/2009

LUST REG 4:

Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: 915020170
Status: Remedial action (cleanup) Underway
Substance: Diesel
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Soil
Abatement Method Used at the Site: Not reported
Global ID: T0603792930
W Global ID: Not reported
Staff: UNK
Local Agency: 19007
Cross Street: MAGNOLIA
Enforcement Type: Not reported
Date Leak Discovered: 12/9/1993
Date Leak First Reported: 12/9/1993
Date Leak Record Entered: 12/24/1993
Date Confirmation Began: Not reported
Date Leak Stopped: 12/9/1993
Date Case Last Changed on Database: 12/24/1993
Date the Case was Closed: Not reported
How Leak Discovered: OM
How Leak Stopped: Not reported
Cause of Leak: Overfill
Leak Source: Other Source
Operator: TEXACO REFINING & MARKETING CO
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 1037.6328641851931892847866856
Source of Cleanup Funding: Other Source
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TEXACO FOOD MART #0251 (Continued)

S101307316

Pollution Characterization Began: Not reported
Remediation Plan Submitted: Not reported
Remedial Action Underway: 12/9/1993
Post Remedial Action Monitoring Began: Not reported
Enforcement Action Date: Not reported
Historical Max MTBE Date: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: 2.2
Significant Interim Remedial Action Taken: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: TEXACO REF.AND MARKINTING CO.
RP Address: SAME AS ABOVE
Program: LUST
Lat/Long: 34.177679 / -1
Local Agency Staff: DB
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: Not reported

HIST CORTESE:

Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: 032566

**AL225
NW
1/4-1/2
0.331 mi.
1747 ft.**

AFP #14

BURBANK, CA

Site 1 of 2 in cluster AL

**ENVIROSTOR S107735792
N/A**

**Relative:
Higher**

ENVIROSTOR:

**Actual:
603 ft.**

Facility ID: 80000065
Status: Inactive - Needs Evaluation
Status Date: 07/01/2005
Site Code: Not reported
Site Type: Military Evaluation
Site Type Detailed: FUDS
Acres: Not reported
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Not reported
Supervisor: Douglas Bautista
Division Branch: Cleanup Cypress
Assembly: 43
Senate: 25
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: DERA

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AFP #14 (Continued)

S107735792

Latitude: 34.1875
Longitude: -118.3236
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CA99799F530400
Alias Type: Federal Facility ID
Alias Name: J09CA0098
Alias Type: INPR
Alias Name: 80000065
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: Not reported
Completed Sub Area Name: Not reported
Completed Document Type: Not reported
Completed Date: Not reported
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

**AL226
NW
1/4-1/2
0.331 mi.
1749 ft.**

AF PLANT #14

BURBANK, CA

Site 2 of 2 in cluster AL

**FUDS 1009484314
N/A**

**Relative:
Higher**

FUDS:

**Actual:
603 ft.**

EPA Region: 09
Congressional District: 28
FUDS Number: J09CA0098
State: CA
Facility Name: AF PLANT #14
Fiscal Year: 2013
City: BURBANK
Federal Facility ID: CA9799F5304
Telephone: 213-452-3920
INST ID: 54706
County: LOS ANGELES
RAB: Not reported
CORPS_DIST: Los Angeles District (SPL)
NPL Status: Listed
CTC: 4147.3000000000002
Current Owner: Private Sector
Future Prog: Not reported
Description: Air Force Plant 14 is located in the San Fernando Valley in Burbank, California, and consists of 279.78 acres. It makes up part of the San Fernando Valley Superfund Site along with Lockheed's facilities and

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AF PLANT #14 (Continued)

1009484314

other potential responsible parties. The property is owner by private entities.
Current Program: Not reported
History: In 1942 the U.S. acquired 279.78 acres in Burbank, California, by lease agreement. In 1947, 88.87 acres were acquired in fee for the purpose of establishing an Air Force Plant (AFP-14). In 1954, 151.01 acres were acquired for the purpose of establishing AFP-14 Annex. The plant was activated in 1947 and was used for the manufacturing, repair and overhaul of aircraft, aircraft engines, or other components. The area was known as Air Force Plant 14. Lockheed and several other potentially responsible parties are leading the environmental remediation at this site. Lockheed has installed a pump and treat facility (not currently functional), and they have agreed to settle with all other potential responsible parties, so the U.S. need deal only with Lockheed for cost allocation. Lockheed had many government contracts to produce airplanes. A government-owned and contractor-operated facility was also operated in the Lockheed Plant B-1/Air Force Plant 14 area. These two plants overlapped in aerial extent. The groundwater is contaminated with TCE and PCE. Lockheed is seeking cost recovery.

Latitude Degree: 34
Latitude Minute: 11
Latitude Second: 15
Latitude Direction: N
Longitude Degree: -118
Longitude Minute: 19
Longitude Second: 25
Longitude Direction: E

227
South
1/4-1/2
0.348 mi.
1840 ft.

VERADYNE CORP.
330 N. VICTORY BLVD.
BURBANK, CA 91502

CPS-SLIC **S106484787**
WIP **N/A**

Relative:
Lower

Actual:
565 ft.

CPS-SLIC:
Region: STATE
Facility Status: **Completed - Case Closed**
Status Date: 12/22/2014
Global Id: SL603798991
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number: Not reported
Latitude: 34.177334
Longitude: -118.317437
Case Type: Cleanup Program Site
Case Worker: GJH
Local Agency: Not reported
RB Case Number: 109.6113
File Location: Not reported
Potential Media Affected: Aquifer used for drinking water supply
Potential Contaminants of Concern: Not reported
Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

WIP:
Region: 4

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VERADYNE CORP. (Continued)

S106484787

File Number: 109.5591
File Status: **Historical**
Staff: MPS
Facility Suite: Not reported

Region: 4
File Number: 109.6113
File Status: **Backlog**
Staff: UNIDENTIFIED
Facility Suite: Not reported

AK228
SSW
1/4-1/2
0.355 mi.
1877 ft.

MAGNOLIA CAR WASH
910 MAGNOLIA BLVD W
BURBANK, CA 91506

LUST **S104406391**
HIST CORTESE **N/A**

Site 2 of 2 in cluster AK

Relative:
Lower

Actual:
568 ft.

LUST:
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603702540
Global Id: T0603702540
Latitude: 34.1769264341915
Longitude: -118.319052979237
Status: Open - Site Assessment
Status Date: 01/01/2004
Case Worker: MB
RB Case Number: 915060098
Local Agency: BURBANK, CITY OF
File Location: Regional Board
Local Case Number: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:
Global Id: T0603702540
Contact Type: Local Agency Caseworker
Contact Name: JORGE MARTINEZ
Organization Name: BURBANK, CITY OF
Address: 311 E ORANGE GROVE AVE
City: BURBANK
Email: jmartinez@ci.burbank.ca.us
Phone Number: Not reported

Global Id: T0603702540
Contact Type: Regional Board Caseworker
Contact Name: MAGDY BAIADY
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: LOS ANGELES
Email: mbaiady@waterboards.ca.gov
Phone Number: 2135766699

LUST:
Global Id: T0603702540
Action Type: RESPONSE
Date: 05/04/2001

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MAGNOLIA CAR WASH (Continued)

S104406391

Action:	Soil and Water Investigation Workplan
Global Id:	T0603702540
Action Type:	RESPONSE
Date:	04/15/2018
Action:	Remedial Progress Report
Global Id:	T0603702540
Action Type:	Other
Date:	05/20/1998
Action:	Leak Discovery
Global Id:	T0603702540
Action Type:	ENFORCEMENT
Date:	02/02/2015
Action:	Staff Letter
Global Id:	T0603702540
Action Type:	ENFORCEMENT
Date:	09/24/2014
Action:	Staff Letter
Global Id:	T0603702540
Action Type:	Other
Date:	05/19/1998
Action:	Leak Stopped
Global Id:	T0603702540
Action Type:	RESPONSE
Date:	01/15/2014
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603702540
Action Type:	RESPONSE
Date:	07/15/2017
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603702540
Action Type:	RESPONSE
Date:	01/15/2014
Action:	Corrective Action Plan / Remedial Action Plan - Regulator Responded
Global Id:	T0603702540
Action Type:	Other
Date:	02/24/1999
Action:	Leak Reported
Global Id:	T0603702540
Action Type:	ENFORCEMENT
Date:	04/03/2001
Action:	Staff Letter
Global Id:	T0603702540
Action Type:	RESPONSE
Date:	07/15/2017
Action:	Remedial Progress Report

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MAGNOLIA CAR WASH (Continued)

S104406391

Global Id:	T0603702540
Action Type:	RESPONSE
Date:	07/15/2018
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603702540
Action Type:	RESPONSE
Date:	01/15/2014
Action:	Soil and Water Investigation Report - Regulator Responded
Global Id:	T0603702540
Action Type:	ENFORCEMENT
Date:	09/16/2008
Action:	Notice to Comply
Global Id:	T0603702540
Action Type:	RESPONSE
Date:	02/04/2016
Action:	Pilot Study/ Treatability Report
Global Id:	T0603702540
Action Type:	RESPONSE
Date:	05/04/2001
Action:	Other Report / Document
Global Id:	T0603702540
Action Type:	ENFORCEMENT
Date:	12/19/2016
Action:	Staff Letter
Global Id:	T0603702540
Action Type:	RESPONSE
Date:	07/15/2015
Action:	Soil and Water Investigation Report
Global Id:	T0603702540
Action Type:	ENFORCEMENT
Date:	02/23/2018
Action:	Health and Safety Code Section 25296.10(c)
Global Id:	T0603702540
Action Type:	RESPONSE
Date:	07/15/2016
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603702540
Action Type:	RESPONSE
Date:	07/15/2016
Action:	Pilot Study/ Treatability Report
Global Id:	T0603702540
Action Type:	RESPONSE
Date:	11/25/2014
Action:	Soil and Water Investigation Workplan
Global Id:	T0603702540
Action Type:	ENFORCEMENT

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MAGNOLIA CAR WASH (Continued)

S104406391

Date: 11/19/2013
Action: Health and Safety Code Section 25296.10(c)

Global Id: T0603702540
Action Type: ENFORCEMENT
Date: 01/12/2005
Action: Staff Letter

Global Id: T0603702540
Action Type: ENFORCEMENT
Date: 04/07/2016
Action: Staff Letter

LUST:

Global Id: T0603702540
Status: Open - Case Begin Date
Status Date: 05/19/1998

Global Id: T0603702540
Status: Open - Site Assessment
Status Date: 05/25/1998

Global Id: T0603702540
Status: Open - Site Assessment
Status Date: 01/01/2004

LUST REG 4:

Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: 915060098
Status: Pollution Characterization
Substance: Gasoline
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Soil
Abatement Method Used at the Site: Not reported
Global ID: T0603702540
W Global ID: Not reported
Staff: MB
Local Agency: 19007
Cross Street: VICTORY BLVD
Enforcement Type: None Taken
Date Leak Discovered: 5/20/1998
Date Leak First Reported: 2/24/1999
Date Leak Record Entered: Not reported
Date Confirmation Began: 2/24/1999
Date Leak Stopped: 5/19/1998
Date Case Last Changed on Database: 5/23/2002
Date the Case was Closed: Not reported
How Leak Discovered: Repair Tank
How Leak Stopped: Not reported
Cause of Leak: UNK
Leak Source: Piping
Operator: MASIS GHEVONDIAN

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MAGNOLIA CAR WASH (Continued)

S104406391

Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 986.1710161185682111772884197
Source of Cleanup Funding: Piping
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: 1/15/2004
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Enforcement Action Date: Not reported
Historical Max MTBE Date: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: 1260
Significant Interim Remedial Action Taken: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: AMANDEL
RP Address: 12611 PROMONTORY RD.
Program: LUST
Lat/Long: 34.177226 / -1
Local Agency Staff: DB
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: Not reported

HIST CORTESE:

Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: 915060098

AM229
West
1/4-1/2
0.370 mi.
1954 ft.

CALIFORNIA COAST COLOR
1121 ISABEL ST.
BURBANK, CA 91502
Site 1 of 2 in cluster AM

CPS-SLIC
CHMIRS
ENF
S100274801
N/A

Relative:
Higher

Actual:
592 ft.

CPS-SLIC:
Region: STATE
Facility Status: **Completed - Case Closed**
Status Date: 12/22/2014
Global Id: SL603798598
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number: Not reported
Latitude: 34.182969
Longitude: -118.320202
Case Type: Cleanup Program Site
Case Worker: GJH
Local Agency: Not reported
RB Case Number: 104.0171
File Location: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CALIFORNIA COAST COLOR (Continued)

S100274801

Potential Media Affected: Aquifer used for drinking water supply
Potential Contaminants of Concern: Not reported
Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

CHMIRS:

OES Incident Number: 904745
OES notification: Not reported
OES Date: Not reported
OES Time: Not reported
Date Completed: 08-FEB-89
Property Use: 700
Agency Id Number: 19030
Agency Incident Number: 0873
Time Notified: 708
Time Completed: 810
Surrounding Area: 600
Estimated Temperature: 50
Property Management: P
More Than Two Substances Involved?: N
Resp Agncy Personel # Of Decontaminated: 0
Responding Agency Personel # Of Injuries: 0
Responding Agency Personel # Of Fatalities: 0
Others Number Of Decontaminated: 6
Others Number Of Injuries: 6
Others Number Of Fatalities: 0
Vehicle Make/year: Not reported
Vehicle License Number: Not reported
Vehicle State: Not reported
Vehicle Id Number: Not reported
CA DOT PUC/ICC Number: Not reported
Company Name: Not reported
Reporting Officer Name/ID: CAPTAIN CRAIG CANFIELD
Report Date: 08-FEB-89
Facility Telephone: 818 953-8773
Waterway Involved: Not reported
Waterway: Not reported
Spill Site: Not reported
Cleanup By: Not reported
Containment: Not reported
What Happened: Not reported
Type: Not reported
Measure: Not reported
Other: Not reported
Date/Time: Not reported
Year: 88-92
Agency: Not reported
Incident Date: 08-FEB-89
Admin Agency: Not reported
Amount: Not reported
Contained: Not reported
Site Type: Not reported
E Date: 03-MAY-90
Substance: Not reported
Unknown: Not reported
Substance #2: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CALIFORNIA COAST COLOR (Continued)

S100274801

Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Not reported

ENF:

Region:	4
Facility Id:	212652
Agency Name:	California Coast Color
Place Type:	Facility
Place Subtype:	Not reported
Facility Type:	Not reported
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	34.182397
Place Longitude:	-118.323488
SIC Code 1:	Not reported
SIC Desc 1:	Not reported
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	WIP
Program Category1:	MONITORING
Program Category2:	MONITORING
# Of Programs:	1
WDID:	4WIP1095171
Reg Measure Id:	157559
Reg Measure Type:	Unregulated
Region:	4

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CALIFORNIA COAST COLOR (Continued)

S100274801

Order #: Not reported
Npdes# CA#: Not reported
Major-Minor: Not reported
Npdes Type: Not reported
Reclamation: Not reported
Dredge Fill Fee: Not reported
301H: Not reported
Application Fee Amt Received: Not reported
Status: Historical
Status Date: 06/17/2005
Effective Date: Not reported
Expiration/Review Date: Not reported
Termination Date: Not reported
WDR Review - Amend: Not reported
WDR Review - Revise/Renew: Not reported
WDR Review - Rescind: Not reported
WDR Review - No Action Required: Not reported
WDR Review - Pending: Not reported
WDR Review - Planned: Not reported
Status Enrollee: N
Individual/General: Not reported
Fee Code: Not reported
Direction/Voice: Passive
Enforcement Id(EID): 220806
Region: 4
Order / Resolution Number: 13267 Letter
Enforcement Action Type: 13267 Letter
Effective Date: 11/09/2000
Adoption/Issuance Date: Not reported
Achieve Date: Not reported
Termination Date: 11/09/2000
ACL Issuance Date: Not reported
EPL Issuance Date: Not reported
Status: Historical
Title: Enforcement - 4WIP1095171
Description: Not reported
Program: WIP
Latest Milestone Completion Date: Not reported
Of Programs1: 1
Total Assessment Amount: \$0.00
Initial Assessed Amount: \$0.00
Liability \$ Amount: \$0.00
Project \$ Amount: \$0.00
Liability \$ Paid: \$0.00
Project \$ Completed: \$0.00
Total \$ Paid/Completed Amount: \$0.00

230
South
1/4-1/2
0.371 mi.
1960 ft.

L & M EDITORIAL
222 W. PALM AVE.
BURBANK, CA 91505

CPS-SLIC S106768135
WIP N/A

Relative:
Lower

CPS-SLIC:
Region:

STATE

Actual:
564 ft.

Facility Status:
Status Date:
Global Id:

Completed - Case Closed
12/23/2014
SL603799002

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

L & M EDITORIAL (Continued)

S106768135

Lead Agency: LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number: Not reported
Latitude: 34.182293
Longitude: -118.309761
Case Type: Cleanup Program Site
Case Worker: GJH
Local Agency: Not reported
RB Case Number: 109.6705
File Location: Not reported
Potential Media Affected: Aquifer used for drinking water supply
Potential Contaminants of Concern: Not reported
Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

WIP:

Region: 4
File Number: 109.6705
File Status: Backlog
Staff: UNIDENTIFIED
Facility Suite: Not reported

AN231
SE
1/4-1/2
0.380 mi.
2007 ft.

RAIL CHEMICAL DIVISION
201 FRONT STREET
BURBANK, CA 91502

Site 1 of 3 in cluster AN

ENVIROSTOR **S103988739**
N/A

Relative:
Lower

Actual:
565 ft.

ENVIROSTOR:
Facility ID: 19281146
Status: Refer: RCRA
Status Date: 04/14/1995
Site Code: Not reported
Site Type: Historical
Site Type Detailed: * Historical
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: Referred - Not Assigned
Division Branch: Cleanup Chatsworth
Assembly: Not reported
Senate: Not reported
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 34.17876
Longitude: -118.3116
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: BURBANK DEPOT INC
Alias Type: Alternate Name

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RAIL CHEMICAL DIVISION (Continued)

S103988739

Alias Name: BURBANK TRANSIT CENTER SOUTHERN PACIFIC
Alias Type: Alternate Name
Alias Name: RAILCHEM
Alias Type: Alternate Name
Alias Name: CAD075275180
Alias Type: EPA Identification Number
Alias Name: 110000609814
Alias Type: EPA (FRS #)
Alias Name: 19281146
Alias Type: Envirostor ID Number
Alias Name: 80001671
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 03/25/1983
Comments: FACILITY IDENTIFIED ID FROM DRIVE-BYS IN VICINITY. FACILITY DRIVE-BY SITE HAS DRUMS STACKED E OF OLDER BLDG PARTIALLY FENCED, DRUMS ON EITHER SIDE OF FENCE. ADJ TO RR & ACROSS FROM 5 FWY. 2 TRUCKS W/ NO ID ON SITE-SIGN "FLAMMABL PHOTOS TAKEN.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

AM232
WSW
1/4-1/2
0.396 mi.
2089 ft.
Site 2 of 2 in cluster AM

COMET PLATING CO INC
1207 ISABEL
BURBANK, CA 91502

RCRA-SQG **1000223571**
CPS-SLIC **CAD008304354**
FINDS
ECHO
ENF
HAZNET

Relative:
Higher

Actual:
592 ft.

RCRA-SQG:

Date form received by agency: 09/01/1996
Facility name: COMET PLATING CO INC
Facility address: 1207 ISABEL
BURBANK, CA 91502
EPA ID: CAD008304354
Mailing address: ISABEL
BURBANK, CA 91502
Contact: Not reported
Contact address: Not reported
Not reported
Contact country: US
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

COMET PLATING CO INC (Continued)

1000223571

hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: VINCENT LUPO & JOHN FERRARA
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

CPS-SLIC:

Region: STATE
Facility Status: Open - Inactive
Status Date: 11/03/2014
Global Id: SL603798986
Lead Agency: DEPARTMENT OF TOXIC SUBSTANCES CONTROL
Lead Agency Case Number: 60000535

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

COMET PLATING CO INC (Continued)

1000223571

Latitude: 34.182969
Longitude: -118.320202
Case Type: Cleanup Program Site
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: Not reported
File Location: DTSC
Potential Media Affected: Aquifer used for drinking water supply
Potential Contaminants of Concern: Not reported
Site History: Case transferred to DTSC on 5/22/07

[Click here to access the California GeoTracker records for this facility:](#)

FINDS:

Registry ID: 110002632090

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1000223571
Registry ID: 110002632090
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110002632090>

ENF:

Region: 4
Facility Id: 215238
Agency Name: Comet Plating
Place Type: Facility
Place Subtype: Not reported
Facility Type: Not reported
Agency Type: Privately-Owned Business
Of Agencies: 1
Place Latitude: 34.182113
Place Longitude: -118.324331
SIC Code 1: Not reported
SIC Desc 1: Not reported
SIC Code 2: Not reported
SIC Desc 2: Not reported
SIC Code 3: Not reported
SIC Desc 3: Not reported
NAICS Code 1: Not reported
NAICS Desc 1: Not reported
NAICS Code 2: Not reported
NAICS Desc 2: Not reported
NAICS Code 3: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

COMET PLATING CO INC (Continued)

1000223571

NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	WIP
Program Category1:	MONITORING
Program Category2:	MONITORING
# Of Programs:	1
WDID:	4WIP1095302
Reg Measure Id:	156278
Reg Measure Type:	Unregulated
Region:	4
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	06/17/2005
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	226085
Region:	4
Order / Resolution Number:	LT930624
Enforcement Action Type:	13267 Letter
Effective Date:	06/24/1993
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 4WIP1095302
Description:	Not reported
Program:	WIP
Latest Milestone Completion Date:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

COMET PLATING CO INC (Continued)

1000223571

# Of Programs1:	1
Total Assessment Amount:	\$0.00
Initial Assessed Amount:	\$0.00
Liability \$ Amount:	\$0.00
Project \$ Amount:	\$0.00
Liability \$ Paid:	\$0.00
Project \$ Completed:	\$0.00
Total \$ Paid/Completed Amount:	\$0.00
Region:	4
Facility Id:	215238
Agency Name:	Comet Plating
Place Type:	Facility
Place Subtype:	Not reported
Facility Type:	Not reported
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	34.182113
Place Longitude:	-118.324331
SIC Code 1:	Not reported
SIC Desc 1:	Not reported
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	WIP
Program Category1:	MONITORING
Program Category2:	MONITORING
# Of Programs:	1
WDID:	4WIP1095302
Reg Measure Id:	156278
Reg Measure Type:	Unregulated
Region:	4
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

COMET PLATING CO INC (Continued)

1000223571

Status:	Historical
Status Date:	06/17/2005
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	221040
Region:	4
Order / Resolution Number:	13267 Letter
Enforcement Action Type:	13267 Letter
Effective Date:	11/09/2000
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	11/09/2000
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 4WIP1095302
Description:	Not reported
Program:	WIP
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	\$0.00
Initial Assessed Amount:	\$0.00
Liability \$ Amount:	\$0.00
Project \$ Amount:	\$0.00
Liability \$ Paid:	\$0.00
Project \$ Completed:	\$0.00
Total \$ Paid/Completed Amount:	\$0.00

HAZNET:

envid:	1000223571
Year:	1994
GEPAID:	CAD008304354
Contact:	VINCENT LUPO & JOHN FERRARA
Telephone:	0000000000
Mailing Name:	Not reported
Mailing Address:	1207 ISABEL
Mailing City,St,Zip:	BURBANK, CA 915020000
Gen County:	Not reported
TSD EPA ID:	CAD008252405
TSD County:	Not reported
Waste Category:	Not reported
Disposal Method:	Recycler
Tons:	.3127
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Los Angeles

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

COMET PLATING CO INC (Continued)

1000223571

envid: 1000223571
Year: 1994
GEPAID: CAD008304354
Contact: VINCENT LUPO & JOHN FERRARA
Telephone: 0000000000
Mailing Name: Not reported
Mailing Address: 1207 ISABEL
Mailing City,St,Zip: BURBANK, CA 915020000
Gen County: Not reported
TSD EPA ID: CAT080010101
TSD County: Not reported
Waste Category: Metal sludge (Alkaline solution (pH >= 12.5) with metals)
Disposal Method: Transfer Station
Tons: .0900
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: 1000223571
Year: 1994
GEPAID: CAD008304354
Contact: VINCENT LUPO & JOHN FERRARA
Telephone: 0000000000
Mailing Name: Not reported
Mailing Address: 1207 ISABEL
Mailing City,St,Zip: BURBANK, CA 915020000
Gen County: Not reported
TSD EPA ID: CAD097030993
TSD County: Not reported
Waste Category: Liquids with nickel >= 134 Mg./L
Disposal Method: Treatment, Tank
Tons: .2293
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: 1000223571
Year: 1994
GEPAID: CAD008304354
Contact: VINCENT LUPO & JOHN FERRARA
Telephone: 0000000000
Mailing Name: Not reported
Mailing Address: 1207 ISABEL
Mailing City,St,Zip: BURBANK, CA 915020000
Gen County: Not reported
TSD EPA ID: CAD097030993
TSD County: Not reported
Waste Category: Liquids with pH <= 2 with metals
Disposal Method: Treatment, Tank
Tons: .1876
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: 1000223571
Year: 1994
GEPAID: CAD008304354

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

COMET PLATING CO INC (Continued)

1000223571

Contact: VINCENT LUPO & JOHN FERRARA
Telephone: 0000000000
Mailing Name: Not reported
Mailing Address: 1207 ISABEL
Mailing City,St,Zip: BURBANK, CA 915020000
Gen County: Not reported
TSD EPA ID: CAD097030993
TSD County: Not reported
Waste Category: Liquids with cyanides >= 1,000 Mg./L
Disposal Method: Treatment, Tank
Tons: .4587
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

[Click this hyperlink](#) while viewing on your computer to access
7 additional CA_HAZNET: record(s) in the EDR Site Report.

**AO233
SSE
1/4-1/2
0.409 mi.
2161 ft.**

**CITY OF BURBANK PUBLIC WORKS DEPT
124 S. LAKE ST.
BURBANK, CA 91502**

**RCRA-SQG
LUST
HIST CORTESE**

**1000161756
CAD982509416**

Site 1 of 2 in cluster AO

**Relative:
Lower**

RCRA-SQG:

**Actual:
558 ft.**

Date form received by agency: 02/24/2004
Facility name: CITY OF BURBANK PUBLIC WORKS DEPT
Facility address: 124 S. LAKE ST.
BURBANK, CA 91502
EPA ID: CAD982509416
Mailing address: 275 E. OLIVE AVE.
BURBANK, CA 91502
Contact: BILL A TAYLOR
Contact address: Not reported
Not reported
Contact country: US
Contact telephone: 818-238-5050
Contact email: BTAYLOR@CI.BURBANK.CA.US
EPA Region: 09
Land type: Municipal
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: CITY OF BURBANK
Owner/operator address: 275 E. OLIVE AVE.
BURBANK, CA 91502
Owner/operator country: US
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Municipal

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CITY OF BURBANK PUBLIC WORKS DEPT (Continued)

1000161756

Owner/Operator Type: Owner
Owner/Op start date: 07/08/1911
Owner/Op end date: Not reported

Owner/operator name: CITY OF BURBANK
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Municipal
Owner/Operator Type: Operator
Owner/Op start date: 07/08/1911
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 02/24/2004

Site name: CITY OF BURBANK PUBLIC WORKS DEPT
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D008
. Waste name: LEAD

. Waste code: D022
. Waste name: CHLOROFORM

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE,
METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE,
CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE,
ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2,

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CITY OF BURBANK PUBLIC WORKS DEPT (Continued)

1000161756

TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Date form received by agency: 02/27/2002

Site name: CITY OF BURBANK PUBLIC WORKS

Classification: Large Quantity Generator

Date form received by agency: 10/12/2000

Site name: CITY OF BURBANK PUBLIC WORKS DEPARTMENT

Classification: Large Quantity Generator

Date form received by agency: 03/16/1999

Site name: CITY OF BURBANK PUBLIC WORKS DEPT.

Classification: Large Quantity Generator

Date form received by agency: 09/01/1996

Site name: CITY OF BURBANK PUBLIC WORKS

Classification: Small Quantity Generator

Violation Status: No violations found

Evaluation Action Summary:

Evaluation date: 08/16/2017

Evaluation: FOCUSED COMPLIANCE INSPECTION

Area of violation: Not reported

Date achieved compliance: Not reported

Evaluation lead agency: State

LUST:

Lead Agency: BURBANK, CITY OF

Case Type: LUST Cleanup Site

Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603702500

Global Id: T0603702500

Latitude: 34.1752911

Longitude: -118.3139556

Status: Completed - Case Closed

Status Date: 09/04/1998

Case Worker: Not reported

RB Case Number: 915020061

Local Agency: BURBANK, CITY OF

File Location: Not reported

Local Case Number: Not reported

Potential Media Affect: Soil

Potential Contaminants of Concern: Waste Oil / Motor / Hydraulic / Lubricating

Site History: Not reported

LUST:

Global Id: T0603702500

Contact Type: Local Agency Caseworker

Contact Name: JORGE MARTINEZ

Organization Name: BURBANK, CITY OF

Address: 311 E ORANGE GROVE AVE

City: BURBANK

Email: jmartinez@ci.burbank.ca.us

Phone Number: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CITY OF BURBANK PUBLIC WORKS DEPT (Continued)

1000161756

Global Id: T0603702500
Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

LUST:

Global Id: T0603702500
Action Type: Other
Date: 11/19/1997
Action: Leak Discovery

Global Id: T0603702500
Action Type: Other
Date: 09/02/1998
Action: Leak Stopped

Global Id: T0603702500
Action Type: Other
Date: 11/19/1997
Action: Leak Reported

LUST:

Global Id: T0603702500
Status: Open - Case Begin Date
Status Date: 11/19/1997

Global Id: T0603702500
Status: Completed - Case Closed
Status Date: 09/04/1998

Lead Agency: SWRCB
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603709486
Global Id: T0603709486
Latitude: 34.175422
Longitude: -118.314151
Status: Completed - Case Closed
Status Date: 01/22/2013
Case Worker: MC
RB Case Number: Not reported
Local Agency: BURBANK, CITY OF
File Location: Not reported
Local Case Number: TT
Potential Media Affect: Soil
Potential Contaminants of Concern: Waste Oil / Motor / Hydraulic / Lubricating
Site History: Not reported

LUST:

Global Id: T0603709486
Contact Type: Local Agency Caseworker
Contact Name: DIRK DROSSEL
Organization Name: BURBANK, CITY OF

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CITY OF BURBANK PUBLIC WORKS DEPT (Continued)

1000161756

Address: 311 E ORANGE GROVE AVE
City: BURBANK
Email: ddrossel@ci.burbank.ca.us
Phone Number: Not reported

Global Id: T0603709486
Contact Type: Regional Board Caseworker
Contact Name: MATTHEW COHEN
Organization Name: SWRCB
Address: 1001 I Street
City: SACRAMENTO
Email: mcohen@waterboards.ca.gov
Phone Number: 9163415751

Global Id: T0603709486
Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

LUST:

Global Id: T0603709486
Action Type: Other
Date: 01/24/2008
Action: Leak Reported

Global Id: T0603709486
Action Type: ENFORCEMENT
Date: 01/22/2013
Action: Closure/No Further Action Letter

Global Id: T0603709486
Action Type: Other
Date: 12/06/2007
Action: Leak Discovery

LUST:

Global Id: T0603709486
Status: Open - Case Begin Date
Status Date: 12/06/2007

Global Id: T0603709486
Status: Open - Site Assessment
Status Date: 01/24/2008

Global Id: T0603709486
Status: Open - Inactive
Status Date: 06/19/2009

Global Id: T0603709486
Status: Completed - Case Closed
Status Date: 01/22/2013

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CITY OF BURBANK PUBLIC WORKS DEPT (Continued)

1000161756

LUST REG 4:

Region:	4	
Regional Board:	04	
County:	Los Angeles	
Facility Id:	915020061	
Status:	Case Closed	
Substance:	Motor Oil	
Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Soil	
Abatement Method Used at the Site:		Excavate and Dispose
Global ID:	T0603702500	
W Global ID:	Not reported	
Staff:	UNK	
Local Agency:	19007	
Cross Street:	OLIVE AVE	
Enforcement Type:	Not reported	
Date Leak Discovered:	11/19/1997	
Date Leak First Reported:		11/19/1997
Date Leak Record Entered:	1/13/1998	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	9/2/1998	
Date Case Last Changed on Database:		9/4/1998
Date the Case was Closed:		9/4/1998
How Leak Discovered:	Tank Closure	
How Leak Stopped:	Not reported	
Cause of Leak:	UNK	
Leak Source:	Piping	
Operator:	RICHARD HARMON	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		579.56580785895144210080683171
Source of Cleanup Funding:		Piping
Preliminary Site Assessment Workplan Submitted:	Not reported	
Preliminary Site Assessment Began:	Not reported	
Pollution Characterization Began:	Not reported	
Remediation Plan Submitted:	Not reported	
Remedial Action Underway:	Not reported	
Post Remedial Action Monitoring Began:	Not reported	
Enforcement Action Date:	Not reported	
Historical Max MTBE Date:	Not reported	
Hist Max MTBE Conc in Groundwater:	Not reported	
Hist Max MTBE Conc in Soil:		31
Significant Interim Remedial Action Taken:		Not reported
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	CITY OF BURBANK	
RP Address:	124 S. LAKE ST., BURBANK, CA 91502	
Program:	LUST	
Lat/Long:	34.1752911 / -1	
Local Agency Staff:	DB	
Beneficial Use:	Not reported	
Priority:	Not reported	
Cleanup Fund Id:	Not reported	
Suspended:	Not reported	

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CITY OF BURBANK PUBLIC WORKS DEPT (Continued)

1000161756

Assigned Name: Not reported
Summary: SOURCE OF SPILL CONTROLLED. CONTAMINATED SOIL REMOVED/ISOLATED. PIPING SYSTEM REPLACEMENT UNDERWAY. NO FURTHER ACTION NECESSARY.

HIST CORTESE:

Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: 915020061

AO234
SSE
1/4-1/2
0.409 mi.
2161 ft.
Relative:
Lower
Actual:
558 ft.

BURBANK CITY, PUB WKS DEPT
124 S LAKE ST
BURBANK, CA 91502
Site 2 of 2 in cluster AO

SWF/LF
SWEEPS UST
HIST UST
EMI
NPDES
CIWQS

U001568345
N/A

LOS ANGELES CO. LF:

Site ID: 277
Alt. Address: Not reported
Site Contact: Not reported
Site Contact Phone: (818) 238-3915
Site Email: jmusich@ci.burbank.ca.us
Site Website: Not reported
Site Type: Waste Hauler
Site SWIS Number: 19-AS-0371
Beginning Operation Date: Not reported
Ending Operation Date: Not reported
Local Enforcement Agency: Not reported
Maximun Depth Fill(Ft): Not reported
Permitted Capacity: Not reported
Present Use: Not reported
Remaining Capacity(Million): Not reported
Status: Active
Waste Accepted: Not reported
Hours of Operation: Not reported
Disposal Area (Acre): Not reported

Detail As Of 01/2014:

Operator Name: City of Burbank Public Works
Operator Address: 275 East Olive Avenue
Operator City/State/Zip: Burbank, CA 91502
Operator Contact: Jerry Shay
Operator Telephone: (818) 238-3800
Operator Email: jshay@ci.burbank.ca.us
Owner Name: Unknown
Owner Address: Not reported
Owner City/State/Zip: Not reported
Owner Contact: Not reported
Owner Telephone: Not reported
Owner Email: Not reported

SWEEPS UST:

Status: Active
Comp Number: 11164
Number: 4
Board Of Equalization: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BURBANK CITY, PUB WKS DEPT (Continued)

U001568345

Referral Date: 05-14-91
Action Date: 05-14-91
Created Date: 06-30-89
Owner Tank Id: 10
SWRCB Tank Id: 19-007-011164-000001
Tank Status: A
Capacity: 1000
Active Date: 05-15-91
Tank Use: OIL
STG: P
Content: MOTOR OIL
Number Of Tanks: 12

Status: Active
Comp Number: 11164
Number: 4
Board Of Equalization: Not reported
Referral Date: 05-14-91
Action Date: 05-14-91
Created Date: 06-30-89
Owner Tank Id: 11A
SWRCB Tank Id: 19-007-011164-000002
Tank Status: A
Capacity: 1000
Active Date: 05-15-91
Tank Use: OIL
STG: P
Content: MOTOR OIL
Number Of Tanks: Not reported

Status: Active
Comp Number: 11164
Number: 4
Board Of Equalization: Not reported
Referral Date: 05-14-91
Action Date: 05-14-91
Created Date: 06-30-89
Owner Tank Id: 11B
SWRCB Tank Id: 19-007-011164-000003
Tank Status: A
Capacity: 1000
Active Date: 05-15-91
Tank Use: OIL
STG: P
Content: MOTOR OIL
Number Of Tanks: Not reported

Status: Active
Comp Number: 11164
Number: 4
Board Of Equalization: Not reported
Referral Date: 05-14-91
Action Date: 05-14-91
Created Date: 06-30-89
Owner Tank Id: 12
SWRCB Tank Id: 19-007-011164-000004
Tank Status: A

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BURBANK CITY, PUB WKS DEPT (Continued)

U001568345

Capacity: 1000
Active Date: 05-15-91
Tank Use: UNKNOWN
STG: P
Content: HYDRAULIC OIL
Number Of Tanks: Not reported

Status: Active
Comp Number: 11164
Number: 4
Board Of Equalization: Not reported
Referral Date: 05-14-91
Action Date: 05-14-91
Created Date: 06-30-89
Owner Tank Id: 13A
SWRCB Tank Id: 19-007-011164-000005
Tank Status: A
Capacity: 1000
Active Date: 05-15-91
Tank Use: OIL
STG: W
Content: WASTE OIL
Number Of Tanks: Not reported

Status: Active
Comp Number: 11164
Number: 4
Board Of Equalization: Not reported
Referral Date: 05-14-91
Action Date: 05-14-91
Created Date: 06-30-89
Owner Tank Id: 13B
SWRCB Tank Id: 19-007-011164-000006
Tank Status: A
Capacity: 1000
Active Date: 05-15-91
Tank Use: OIL
STG: W
Content: WASTE OIL
Number Of Tanks: Not reported

Status: Active
Comp Number: 11164
Number: 4
Board Of Equalization: Not reported
Referral Date: 05-14-91
Action Date: 05-14-91
Created Date: 06-30-89
Owner Tank Id: 14
SWRCB Tank Id: 19-007-011164-000007
Tank Status: A
Capacity: 500
Active Date: 05-15-91
Tank Use: CHEMICAL
STG: P
Content: SOLVENT
Number Of Tanks: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BURBANK CITY, PUB WKS DEPT (Continued)

U001568345

Status: Active
Comp Number: 11164
Number: 4
Board Of Equalization: Not reported
Referral Date: 05-14-91
Action Date: 05-14-91
Created Date: 06-30-89
Owner Tank Id: 20
SWRCB Tank Id: 19-007-011164-000008
Tank Status: A
Capacity: 1000
Active Date: 05-15-91
Tank Use: OIL
STG: P
Content: MOTOR OIL
Number Of Tanks: Not reported

Status: Active
Comp Number: 11164
Number: 4
Board Of Equalization: Not reported
Referral Date: 05-14-91
Action Date: 05-14-91
Created Date: 06-30-89
Owner Tank Id: 27A
SWRCB Tank Id: 19-007-011164-000009
Tank Status: A
Capacity: 10000
Active Date: 05-15-91
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: Active
Comp Number: 11164
Number: 4
Board Of Equalization: Not reported
Referral Date: 05-14-91
Action Date: 05-14-91
Created Date: 06-30-89
Owner Tank Id: 27B
SWRCB Tank Id: 19-007-011164-000010
Tank Status: A
Capacity: 10000
Active Date: 05-15-91
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: Active
Comp Number: 11164
Number: 4
Board Of Equalization: Not reported
Referral Date: 05-14-91
Action Date: 05-14-91

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BURBANK CITY, PUB WKS DEPT (Continued)

U001568345

Created Date: 06-30-89
Owner Tank Id: 28A
SWRCB Tank Id: 19-007-011164-000011
Tank Status: A
Capacity: 10000
Active Date: 05-15-91
Tank Use: M.V. FUEL
STG: P
Content: DIESEL
Number Of Tanks: Not reported

Status: Active
Comp Number: 11164
Number: 4
Board Of Equalization: Not reported
Referral Date: 05-14-91
Action Date: 05-14-91
Created Date: 06-30-89
Owner Tank Id: 28B
SWRCB Tank Id: 19-007-011164-000012
Tank Status: A
Capacity: 10000
Active Date: 05-15-91
Tank Use: M.V. FUEL
STG: P
Content: DIESEL
Number Of Tanks: Not reported

HIST UST:

File Number: 00026FBD
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00026FBD.pdf>
Region: STATE
Facility ID: 00000029260
Facility Type: Other
Other Type: MAINTENANCE SHOP
Contact Name: RICHARD HARMON
Telephone: 8189539625
Owner Name: CITY OF BURBANK
Owner Address: P.O. BOX 6459 275 E. OLIVE AV
Owner City,St,Zip: BURBANK, CA 91510
Total Tanks: 0017

Tank Num: 001
Container Num: 10
Year Installed: 1959
Tank Capacity: 00001000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 002
Container Num: 11A
Year Installed: 1959
Tank Capacity: 00001000
Tank Used for: PRODUCT
Type of Fuel: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BURBANK CITY, PUB WKS DEPT (Continued)

U001568345

Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 003
Container Num: 11B
Year Installed: 1959
Tank Capacity: 00001000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 004
Container Num: 12
Year Installed: 1959
Tank Capacity: 00001000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 005
Container Num: 13A
Year Installed: 1959
Tank Capacity: 00001000
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 006
Container Num: 13B
Year Installed: 1959
Tank Capacity: 00001000
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 007
Container Num: 14
Year Installed: 1959
Tank Capacity: 00000500
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 008
Container Num: 15
Year Installed: 1959
Tank Capacity: 00000500
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: None

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BURBANK CITY, PUB WKS DEPT (Continued)

U001568345

Tank Num: 009
Container Num: 16
Year Installed: 1959
Tank Capacity: 00000500
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 010
Container Num: 20
Year Installed: 1959
Tank Capacity: 00001000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 011
Container Num: 27A
Year Installed: 1959
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 012
Container Num: 27B
Year Installed: 1959
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 013
Container Num: 28A
Year Installed: 1959
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 014
Container Num: 28B
Year Installed: 1974
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 015
Container Num: 30A
Year Installed: 1959

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BURBANK CITY, PUB WKS DEPT (Continued)

U001568345

Tank Capacity: 00000084
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 016
Container Num: 30B
Year Installed: 1959
Tank Capacity: 00000196
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 017
Container Num: 31
Year Installed: 1959
Tank Capacity: 00008400
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: None

[Click here for Geo Tracker PDF:](#)

EMI:

Year: 1987
County Code: 19
Air Basin: SC
Facility ID: 10810
Air District Name: SC
SIC Code: 3731
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1
Reactive Organic Gases Tons/Yr: 1
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Year: 1990
County Code: 19
Air Basin: SC
Facility ID: 27320
Air District Name: SC
SIC Code: 9199
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BURBANK CITY, PUB WKS DEPT (Continued)

U001568345

SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

NPDES:

Npdes Number: Not reported
Facility Status: Not reported
Agency Id: Not reported
Region: 4
Regulatory Measure Id: 188640
Order No: Not reported
Regulatory Measure Type: Industrial
Place Id: Not reported
WDID: 4 19I000531
Program Type: Not reported
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: Not reported
Expiration Date Of Regulatory Measure: Not reported
Termination Date Of Regulatory Measure: Not reported
Discharge Name: Not reported
Discharge Address: Not reported
Discharge City: Not reported
Discharge State: Not reported
Discharge Zip: Not reported
RECEIVED DATE: 05/09/2008
PROCESSED DATE: 03/16/1992
STATUS CODE NAME: Active
STATUS DATE: 06/03/2015
PLACE SIZE: 9
PLACE SIZE UNIT: Acres
FACILITY CONTACT NAME: John Molinar
FACILITY CONTACT TITLE: Assistant PW Director
FACILITY CONTACT PHONE: 818-238-3919
FACILITY CONTACT PHONE EXT: Not reported
FACILITY CONTACT EMAIL: jmolinar@burbankca.gov
OPERATOR NAME: City of Burbank
OPERATOR ADDRESS: 150 N Third Street
OPERATOR CITY: Burbank
OPERATOR STATE: California
OPERATOR ZIP: 91502
OPERATOR CONTACT NAME: Daniel Rynn
OPERATOR CONTACT TITLE: Not reported
OPERATOR CONTACT PHONE: 818-238-3940
OPERATOR CONTACT PHONE EXT: Not reported
OPERATOR CONTACT EMAIL: drynn@burbankca.gov
OPERATOR TYPE: City/Town Agency
DEVELOPER NAME: Not reported
DEVELOPER ADDRESS: Not reported
DEVELOPER CITY: Not reported
DEVELOPER STATE: California
DEVELOPER ZIP: Not reported
DEVELOPER CONTACT NAME: Not reported
DEVELOPER CONTACT TITLE: Not reported
CONSTYPE LINEAR UTILITY IND: Not reported
EMERGENCY PHONE NO: 818-238-3800
EMERGENCY PHONE EXT: Not reported
CONSTYPE ABOVE GROUND IND: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BURBANK CITY, PUB WKS DEPT (Continued)

U001568345

CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESCRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	N
RECEIVING WATER NAME:	Burbank Western Channel
CERTIFIER NAME:	John Molinar
CERTIFIER TITLE:	Assistant Public Works Director Street and Sanitation
CERTIFICATION DATE:	25-JUN-15
PRIMARY SIC:	4212-Local Trucking Without Storage
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported
Npdes Number:	CAS000001
Facility Status:	Active
Agency Id:	0
Region:	4
Regulatory Measure Id:	188640
Order No:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place Id:	Not reported
WDID:	4 19I000531
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	03/16/1992
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	City of Burbank
Discharge Address:	150 N Third Street
Discharge City:	Burbank
Discharge State:	California
Discharge Zip:	91502
RECEIVED DATE:	Not reported
PROCESSED DATE:	Not reported
STATUS CODE NAME:	Not reported
STATUS DATE:	Not reported
PLACE SIZE:	Not reported
PLACE SIZE UNIT:	Not reported
FACILITY CONTACT NAME:	Not reported
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	Not reported
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	Not reported
OPERATOR NAME:	Not reported
OPERATOR ADDRESS:	Not reported
OPERATOR CITY:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BURBANK CITY, PUB WKS DEPT (Continued)

U001568345

OPERATOR STATE:	Not reported
OPERATOR ZIP:	Not reported
OPERATOR CONTACT NAME:	Not reported
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	Not reported
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	Not reported
OPERATOR TYPE:	Not reported
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	Not reported
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	Not reported
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	Not reported
RECEIVING WATER NAME:	Not reported
CERTIFIER NAME:	Not reported
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	Not reported
PRIMARY SIC:	Not reported
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported

CIWQS:

Agency:	City of Burbank
Agency Address:	150 N Third Street, Burbank, CA 91502
Place/Project Type:	Industrial - Local Trucking Without Storage
SIC/NAICS:	4212
Region:	4
Program:	INDSTW
Regulatory Measure Status:	Active
Regulatory Measure Type:	Storm water industrial
Order Number:	2014-0057-DWQ
WDID:	4 19I000531
NPDES Number:	CAS000001
Adoption Date:	Not reported
Effective Date:	03/16/1992

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BURBANK CITY, PUB WKS DEPT (Continued)

U001568345

Termination Date: Not reported
Expiration/Review Date: Not reported
Design Flow: Not reported
Major/Minor: Not reported
Complexity: Not reported
TTWQ: Not reported
Enforcement Actions within 5 years: 0
Violations within 5 years: 0
Latitude: 34.17542
Longitude: -118.31415

**AP235
SE
1/4-1/2
0.414 mi.
2187 ft.**

**CIRCUIT CRAFT COMPANY
205 SOUTH FLOWER STREET
BURBANK, CA 91502**

**ENVIROSTOR
ENF
HIST CORTESE**

**S105022950
N/A**

Site 1 of 3 in cluster AP

**Relative:
Lower
Actual:
541 ft.**

ENVIROSTOR:
Facility ID: 19360483
Status: Refer: Other Agency
Status Date: 08/31/1995
Site Code: Not reported
Site Type: Historical
Site Type Detailed: * Historical
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: Referred - Not Assigned
Division Branch: Cleanup Chatsworth
Assembly: 43
Senate: 25
Special Program: * Site Char & Assess Grant (CERCLA 104)
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 34.17654
Longitude: -118.3110
APN: 2451007014
Past Use: NONE SPECIFIED
Potential COC: * HALOGENATED SOLVENTS * HYDROCARBON SOLVENTS * OXYGENATED SOLVENTS
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: JERRY JOHNSON & ASSOCIATES
Alias Type: Alternate Name
Alias Name: 2451007014
Alias Type: APN
Alias Name: 19360483
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 04/09/1987
Comments: SITE SCREENING DONE CERCLIS SITE PROBABLE LEAKS OF U/G TANKS

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CIRCUIT CRAFT COMPANY (Continued)

S105022950

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 10/20/1982
Comments: FACILITY IDENTIFIED ID FROM 1947 PAC TEL DIR. PRINTED & ETCHED CIRCUITS.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

ENF:

Region: 4
Facility Id: 233636
Agency Name: Jerry V Johnson & Associates
Place Type: Facility
Place Subtype: Not reported
Facility Type: Not reported
Agency Type: Privately-Owned Business
Of Agencies: 1
Place Latitude: 34.177456
Place Longitude: -118.311932
SIC Code 1: Not reported
SIC Desc 1: Not reported
SIC Code 2: Not reported
SIC Desc 2: Not reported
SIC Code 3: Not reported
SIC Desc 3: Not reported
NAICS Code 1: Not reported
NAICS Desc 1: Not reported
NAICS Code 2: Not reported
NAICS Desc 2: Not reported
NAICS Code 3: Not reported
NAICS Desc 3: Not reported
Of Places: 1
Source Of Facility: Reg Meas
Design Flow: Not reported
Threat To Water Quality: Not reported
Complexity: Not reported
Pretreatment: Not reported
Facility Waste Type: Not reported
Facility Waste Type 2: Not reported
Facility Waste Type 3: Not reported
Facility Waste Type 4: Not reported
Program: WIP
Program Category1: MONITORING
Program Category2: MONITORING
Of Programs: 1
WDID: 4WIP1095294
Reg Measure Id: 156276
Reg Measure Type: Unregulated

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CIRCUIT CRAFT COMPANY (Continued)

S105022950

Region:	4
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	06/17/2005
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	221039
Region:	4
Order / Resolution Number:	13267 Letter
Enforcement Action Type:	13267 Letter
Effective Date:	11/09/2000
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	11/09/2000
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 4WIP1095294
Description:	Not reported
Program:	WIP
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	\$0.00
Initial Assessed Amount:	\$0.00
Liability \$ Amount:	\$0.00
Project \$ Amount:	\$0.00
Liability \$ Paid:	\$0.00
Project \$ Completed:	\$0.00
Total \$ Paid/Completed Amount:	\$0.00

HIST CORTESE:

Region:	CORTESE
Facility County Code:	19
Reg By:	CALSI
Reg Id:	19360483

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

AP236
SE
1/4-1/2
0.414 mi.
2187 ft.
CIRCUIT CRAFT CORP
205 S FLOWER ST
BURBANK, CA 91502
Site 2 of 3 in cluster AP

SEMS-ARCHIVE
RCRA NonGen / NLR
FINDS
ECHO
1000181994
CAD008306433

Relative:
Lower

SEMS Archive:

Actual:
541 ft.

Site ID: 901040
EPA ID: CAD008306433
Cong District: 22
FIPS Code: 6037
FF: N
NPL: Not on the NPL
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

SEMS Archive Detail:

Region: 9
Site ID: 901040
EPA ID: CAD008306433
Site Name: CIRCUIT CRAFT CO
NPL: N
FF: N
OU: 0
Action Code: VS
Action Name: ARCH SITE
SEQ: 1
Start Date: Not reported
Finish Date: 1988-11-04 00:00:00
Qual: Not reported
Current Action Lead: EPA Perf In-Hse

Region: 9
Site ID: 901040
EPA ID: CAD008306433
Site Name: CIRCUIT CRAFT CO
NPL: N
FF: N
OU: 0
Action Code: PA
Action Name: PA
SEQ: 1
Start Date: Not reported
Finish Date: 1988-11-04 00:00:00
Qual: N
Current Action Lead: EPA Perf

Region: 9
Site ID: 901040
EPA ID: CAD008306433
Site Name: CIRCUIT CRAFT CO
NPL: N
FF: N
OU: 0
Action Code: PA
Action Name: PA
SEQ: 2
Start Date: 1985-11-01 00:00:00
Finish Date: 1986-04-01 00:00:00
Qual: L
Current Action Lead: St Perf

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CIRCUIT CRAFT CORP (Continued)

1000181994

Region: 9
Site ID: 901040
EPA ID: CAD008306433
Site Name: CIRCUIT CRAFT CO
NPL: N
FF: N
OU: 0
Action Code: DS
Action Name: DISCVRY
SEQ: 1
Start Date: 1986-01-01 00:00:00
Finish Date: 1986-01-01 00:00:00
Qual: Not reported
Current Action Lead: St Perf

RCRA NonGen / NLR:

Date form received by agency: 09/10/1980
Facility name: CIRCUIT CRAFT CORP
Facility address: 205 S FLOWER ST
BURBANK, CA 91502
EPA ID: CAD008306433
Mailing address: S FLOWER ST
BURBANK, CA 91502
Contact: ENVIRONMENTAL MANAGER
Contact address: 205 S FLOWER ST
BURBANK, CA 91502
Contact country: US
Contact telephone: 213-849-6578
Contact email: Not reported
EPA Region: 09
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: BYRON KIM
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CIRCUIT CRAFT CORP (Continued)

1000181994

Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002632134

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1000181994
Registry ID: 110002632134
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110002632134>

AP237
SE
1/4-1/2
0.414 mi.
2187 ft.

**GILDERFLUKE & CO.
205 S. FLOWER ST.
BURBANK, CA 91502**

Site 3 of 3 in cluster AP

**Relative:
Lower**

CPS-SLIC:
Region:

STATE

**Actual:
541 ft.**

Facility Status:

Completed - Case Closed

Status Date:

12/22/2014

Global Id:

SL603798985

Lead Agency:

LOS ANGELES RWQCB (REGION 4)

**CPS-SLIC
WIP**

**S106484781
N/A**

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GILDERFLUKE & CO. (Continued)

S106484781

Lead Agency Case Number: Not reported
Latitude: 34.177461
Longitude: -118.311117
Case Type: Cleanup Program Site
Case Worker: GJH
Local Agency: Not reported
RB Case Number: 109.5294
File Location: Not reported
Potential Media Affected: Aquifer used for drinking water supply
Potential Contaminants of Concern: Not reported
Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

WIP:

Region: 4
File Number: 109.5294
File Status: Backlog
Staff: UNIDENTIFIED
Facility Suite: Not reported

**AN238
SE
1/4-1/2
0.418 mi.
2206 ft.**

**PACIFIC AIRMOTIVE
217 SOUTH FRONT STREET
BURBANK, CA 91502**

**ENVIROSTOR 1000250541
N/A**

Site 2 of 3 in cluster AN

**Relative:
Lower
Actual:
560 ft.**

ENVIROSTOR:
Facility ID: 19760013
Status: Refer: Other Agency
Status Date: 02/01/1995
Site Code: Not reported
Site Type: Historical
Site Type Detailed: * Historical
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: * Mmonroy
Division Branch: Cleanup Chatsworth
Assembly: 43
Senate: 25
Special Program: * RCRA 3012 - Past Haz Waste Disp Inven Site
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 34.1775
Longitude: -118.3102
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CAD980636609
Alias Type: EPA Identification Number
Alias Name: 19760013

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PACIFIC AIRMOTIVE (Continued)

1000250541

Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 09/28/1983
Comments: FACILITY IDENTIFIED ID FROM ERRIS

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 02/01/1995
Comments: DATABASE VALIDATION PROGRAM CONFIRMS NFA FOR DTSC.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 04/09/1984
Comments: PUREX OWNED THE PACIFIC AIRMOTIVE TIL 1960'S. NO HAZ WASTE WERE GENERATED. SOURCE ACT: AIRCRAFT SERVICE,INSTLATION OF PARTS. SUBMIT TO EPA PRELIM ASSESS DONE RCRA 3012

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

AN239
SE
1/4-1/2
0.418 mi.
2206 ft.
PACIFIC AIRMOTIVE
217 S FRONT ST
BURBANK, CA 91502
Site 3 of 3 in cluster AN

SEMS-ARCHIVE 1003878489
CAD980636609

Relative:
Lower

SEMS Archive:
Site ID: 901825
EPA ID: CAD980636609
Cong District: 24
FIPS Code: 6037
FF: N
NPL: Not on the NPL
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

SEMS Archive Detail:

Region: 9
Site ID: 901825
EPA ID: CAD980636609
Site Name: PACIFIC AIRMOTIVE
NPL: N
FF: N
OU: 0
Action Code: VS
Action Name: ARCH SITE
SEQ: 1

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PACIFIC AIRMOTIVE (Continued)

1003878489

Start Date: Not reported
Finish Date: 1984-09-01 00:00:00
Qual: Not reported
Current Action Lead: EPA Perf In-Hse

Region: 9
Site ID: 901825
EPA ID: CAD980636609
Site Name: PACIFIC AIRMOTIVE
NPL: N
FF: N
OU: 0
Action Code: DS
Action Name: DISCVRY
SEQ: 1
Start Date: 1981-06-01 00:00:00
Finish Date: 1981-06-01 00:00:00
Qual: Not reported
Current Action Lead: EPA Perf

Region: 9
Site ID: 901825
EPA ID: CAD980636609
Site Name: PACIFIC AIRMOTIVE
NPL: N
FF: N
OU: 0
Action Code: PA
Action Name: PA
SEQ: 1
Start Date: 1984-06-01 00:00:00
Finish Date: 1984-09-01 00:00:00
Qual: N
Current Action Lead: St Perf

240
WSW
1/4-1/2
0.433 mi.
2287 ft.

ALERT PLATING CO INC
730 N MARIPOSA
BURBANK, CA 91505

CPS-SLIC 1000369768
RCRA NonGen / NLR CAD072297682
HAZNET

Relative:
Higher

Actual:
585 ft.

CPS-SLIC:
Region: STATE
Facility Status: Completed - Case Closed
Status Date: 11/14/2014
Global Id: SL603798982
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number: Not reported
Latitude: 34.180506955887
Longitude: -118.324252400139
Case Type: Cleanup Program Site
Case Worker: GJH
Local Agency: Not reported
RB Case Number: 109.5072
File Location: Not reported
Potential Media Affected: Aquifer used for drinking water supply
Potential Contaminants of Concern: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALERT PLATING CO INC (Continued)

1000369768

Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

RCRA NonGen / NLR:

Date form received by agency: 02/01/1995

Facility name: ALERT PLATING CO INC

Facility address: 730 N MARIPOSA
BURBANK, CA 91505

EPA ID: CAD072297682

Mailing address: 9939 GLENOAKS BLVD
SUN VALLEY, CA 91352

Contact: DAVID LALIBERTE

Contact address: 730 N MARIPOSA
BURBANK, CA 91505

Contact country: US

Contact telephone: 213-241-2844

Contact email: Not reported

EPA Region: 09

Classification: Non-Generator

Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: E B WIGGINS

Owner/operator address: 9939 GLENOAKS BLVD
SUN VALLEY, CA 91352

Owner/operator country: Not reported

Owner/operator telephone: 818-555-1212

Owner/operator email: Not reported

Owner/operator fax: Not reported

Owner/operator extension: Not reported

Legal status: Private

Owner/Operator Type: Owner

Owner/Op start date: Not reported

Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED

Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999

Owner/operator country: Not reported

Owner/operator telephone: 415-555-1212

Owner/operator email: Not reported

Owner/operator fax: Not reported

Owner/operator extension: Not reported

Legal status: Private

Owner/Operator Type: Operator

Owner/Op start date: Not reported

Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No

Mixed waste (haz. and radioactive): No

Recycler of hazardous waste: No

Transporter of hazardous waste: No

Treater, storer or disposer of HW: No

Underground injection activity: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALERT PLATING CO INC (Continued)

1000369768

On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 11/11/1994
Site name: ALERT PLATING CO
Classification: Large Quantity Generator

Date form received by agency: 02/26/1992
Site name: ALERT PLATING CO INC
Classification: Large Quantity Generator

Violation Status: No violations found

HAZNET:

envid: 1000369768
Year: 1994
GEPAID: CAD072297682
Contact: M E LALIBERTE
Telephone: 8188436281
Mailing Name: Not reported
Mailing Address: 1210 W CHESTNUT ST
Mailing City,St,Zip: BURBANK, CA 915060000
Gen County: Not reported
TSD EPA ID: CAD000633164
TSD County: Not reported
Waste Category: Contaminated soil from site clean-up
Disposal Method: Treatment, Tank
Tons: 106.1928
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: 1000369768
Year: 1994
GEPAID: CAD072297682
Contact: M E LALIBERTE
Telephone: 8188436281
Mailing Name: Not reported
Mailing Address: 1210 W CHESTNUT ST
Mailing City,St,Zip: BURBANK, CA 915060000
Gen County: Not reported
TSD EPA ID: CAD008488025
TSD County: Not reported
Waste Category: Liquids with pH <= 2
Disposal Method: Recycler
Tons: 1.8348
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALERT PLATING CO INC (Continued)

1000369768

envid: 1000369768
Year: 1994
GEPAID: CAD072297682
Contact: M E LALIBERTE
Telephone: 8188436281
Mailing Name: Not reported
Mailing Address: 1210 W CHESTNUT ST
Mailing City,St,Zip: BURBANK, CA 915060000
Gen County: Not reported
TSD EPA ID: AZT050010180
TSD County: Not reported
Waste Category: Other inorganic solid waste
Disposal Method: Not reported
Tons: .6321
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: 1000369768
Year: 1994
GEPAID: CAD072297682
Contact: M E LALIBERTE
Telephone: 8188436281
Mailing Name: Not reported
Mailing Address: 1210 W CHESTNUT ST
Mailing City,St,Zip: BURBANK, CA 915060000
Gen County: Not reported
TSD EPA ID: CAD097030993
TSD County: Not reported
Waste Category: Liquids with pH <= 2 with metals
Disposal Method: Not reported
Tons: 4.7538
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: 1000369768
Year: 1994
GEPAID: CAD072297682
Contact: M E LALIBERTE
Telephone: 8188436281
Mailing Name: Not reported
Mailing Address: 1210 W CHESTNUT ST
Mailing City,St,Zip: BURBANK, CA 915060000
Gen County: Not reported
TSD EPA ID: CAD097030993
TSD County: Not reported
Waste Category: Liquids with nickel >= 134 Mg./L
Disposal Method: Treatment, Tank
Tons: .9174
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

[Click this hyperlink](#) while viewing on your computer to access
11 additional CA_HAZNET: record(s) in the EDR Site Report.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AQ241 **MENASCO MANUFACTURING**
East
1/4-1/2 **BURBANK, CA**
0.440 mi.
2321 ft. **Site 1 of 3 in cluster AQ**

ENVIROSTOR **S107736719**
 N/A

Relative:
Higher

ENVIROSTOR:

Actual:
635 ft.

Facility ID: 80001103
Status: Inactive - Needs Evaluation
Status Date: 07/01/2005
Site Code: Not reported
Site Type: Military Evaluation
Site Type Detailed: FUDS
Acres: Not reported
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Not reported
Supervisor: Douglas Bautista
Division Branch: Cleanup Cypress
Assembly: 43
Senate: 25
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: DERA
Latitude: 34.1825
Longitude: -118.3075
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CA99799FA43000
Alias Type: Federal Facility ID
Alias Name: J09CA7403
Alias Type: INPR
Alias Name: 80001103
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Inventory Project Report (INPR)
Completed Date: 05/06/1999
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AQ242
East
1/4-1/2
0.478 mi.
2526 ft.
BURBANK FIRE STATION #11
353 OLIVE AVE E
LOS ANGELES, CA 91502
Site 2 of 3 in cluster AQ

LUST **S103945737**
N/A

Relative:
Higher

Actual:
640 ft.

LUST:

Lead Agency: BURBANK, CITY OF
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603702510
Global Id: T0603702510
Latitude: 34.1827353
Longitude: -118.3067506
Status: Completed - Case Closed
Status Date: 03/10/2000
Case Worker: DDD
RB Case Number: 915020161
Local Agency: BURBANK, CITY OF
File Location: Not reported
Local Case Number: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:

Global Id: T0603702510
Contact Type: Local Agency Caseworker
Contact Name: DIRK DROSSEL
Organization Name: BURBANK, CITY OF
Address: 311 E ORANGE GROVE AVE
City: BURBANK
Email: ddrossel@ci.burbank.ca.us
Phone Number: Not reported

Global Id: T0603702510
Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

LUST:

Global Id: T0603702510
Action Type: Other
Date: 01/27/1999
Action: Leak Discovery

Global Id: T0603702510
Action Type: Other
Date: 07/27/1999
Action: Leak Reported

Global Id: T0603702510
Action Type: ENFORCEMENT
Date: 03/10/2000
Action: Closure/No Further Action Letter

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BURBANK FIRE STATION #11 (Continued)

S103945737

LUST:

Global Id:	T0603702510
Status:	Open - Case Begin Date
Status Date:	01/27/1999
Global Id:	T0603702510
Status:	Open - Site Assessment
Status Date:	07/27/1999
Global Id:	T0603702510
Status:	Completed - Case Closed
Status Date:	03/10/2000

LUST REG 4:

Region:	4
Regional Board:	04
County:	Los Angeles
Facility Id:	915020161
Status:	Preliminary site assessment workplan submitted
Substance:	Gasoline
Substance Quantity:	Not reported
Local Case No:	Not reported
Case Type:	Soil
Abatement Method Used at the Site:	Not reported
Global ID:	T0603702510
W Global ID:	Not reported
Staff:	UNK
Local Agency:	19007
Cross Street:	GLENOAKS
Enforcement Type:	Not reported
Date Leak Discovered:	1/27/1999
Date Leak First Reported:	7/27/1999
Date Leak Record Entered:	Not reported
Date Confirmation Began:	Not reported
Date Leak Stopped:	Not reported
Date Case Last Changed on Database:	7/27/1999
Date the Case was Closed:	Not reported
How Leak Discovered:	Repair Tank
How Leak Stopped:	Not reported
Cause of Leak:	UNK
Leak Source:	UNK
Operator:	Not reported
Water System:	Not reported
Well Name:	Not reported
Approx. Dist To Production Well (ft):	1567.4422271679205412775638057
Source of Cleanup Funding:	UNK
Preliminary Site Assessment Workplan Submitted:	7/27/1999
Preliminary Site Assessment Began:	Not reported
Pollution Characterization Began:	Not reported
Remediation Plan Submitted:	Not reported
Remedial Action Underway:	Not reported
Post Remedial Action Monitoring Began:	Not reported
Enforcement Action Date:	Not reported
Historical Max MTBE Date:	Not reported
Hist Max MTBE Conc in Groundwater:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BURBANK FIRE STATION #11 (Continued)

S103945737

Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: CITY OF BURBANK
RP Address: 275 E. OLIVE AVE., BURBANK CA 91502
Program: LUST
Lat/Long: 34.1826658 / -1
Local Agency Staff: DB
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: Not reported

AQ243
East
1/4-1/2
0.478 mi.
2526 ft.

BURBANK FIRE STATION #11
353 OLIVE
BURBANK, CA 91502

HIST CORTESE

S105022952
N/A

Site 3 of 3 in cluster AQ

Relative:
Higher

HIST CORTESE:
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: 915020161

Actual:
640 ft.

244
SSE
1/2-1
0.500 mi.
2641 ft.

DREWRY PHOTOCOLOR CORP
211 S LAKE ST
BURBANK, CA 91502

ENVIROSTOR
HIST UST

U001568335
N/A

Relative:
Lower

ENVIROSTOR:
Facility ID: 71003123
Status: Refer: Other Agency
Status Date: Not reported
Site Code: Not reported
Site Type: Tiered Permit
Site Type Detailed: Tiered Permit
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: Not reported
Division Branch: Cleanup Chatsworth
Assembly: 43
Senate: 25
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported

Actual:
550 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DREWRY PHOTOCOLOR CORP (Continued)

U001568335

Latitude: 34.17416
Longitude: -118.3137
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CAD983589946
Alias Type: EPA Identification Number
Alias Name: 110002849847
Alias Type: EPA (FRS #)
Alias Name: 71003123
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: Not reported
Completed Sub Area Name: Not reported
Completed Document Type: Not reported
Completed Date: Not reported
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

HIST UST:

File Number: 000277E0
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/000277E0.pdf>
Region: STATE
Facility ID: 00000005180
Facility Type: Other
Other Type: PHOTOFINISHER
Contact Name: STEVE NEWGARD
Telephone: 8188497131
Owner Name: DREWRY PHOTOCOLOR CORP.
Owner Address: 211 S. LAKE ST.
Owner City,St,Zip: BURBANK, CA 91502
Total Tanks: 0002

Tank Num: 001
Container Num: 102
Year Installed: 1980
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 002
Container Num: 101
Year Installed: 1964

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DREWRY PHOTOCOLOR CORP (Continued)

U001568335

Tank Capacity: 00008000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: Not reported
Leak Detection: None

[Click here for Geo Tracker PDF:](#)

245
SE
1/2-1
0.514 mi.
2715 ft.

315 S FLOWER ST CURRENTLY UNOCCUPIED
315 S FLOWER
BURBANK, CA 91502

RCRA-SQG 1000238750
ENVIROSTOR CAD008302986
CPS-SLIC

Relative:
Lower

Actual:
544 ft.

DEED
FINDS
ECHO
EMI
LOS ANGELES CO. HMS
LA Co. Site Mitigation

RCRA-SQG:

Date form received by agency: 10/13/2006
Facility name: 315 S FLOWER ST CURRENTLY UNOCCUPIED
Facility address: 315 S FLOWER ST
BURBANK, CA 91502-2104
EPA ID: CAD008302986
Mailing address: 534 GRAVELY CT
HERMOSA BEACH, CA 90254
Contact: LYNE HETHRINGTON
Contact address: 534 GRAVELY CT
HERMOSA BEACH, CA 90254
Contact country: US
Contact telephone: 562-984-2060
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: LIBIANO INVESTMENTS
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/01/2006
Owner/Op end date: Not reported

Owner/operator name: LANCE LIBIANO
Owner/operator address: Not reported
Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

315 S FLOWER ST CURRENTLY UNOCCUPIED (Continued)

1000238750

Owner/operator country: US
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 01/01/2006
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: D022
. Waste name: CHLOROFORM

. Waste code: D039
. Waste name: TETRACHLOROETHYLENE

Historical Generators:

Date form received by agency: 09/01/1996
Site name: TECH-GRAPHIC INC
Classification: Small Quantity Generator

Date form received by agency: 08/14/1980
Site name: TECH-GRAPHIC INC
Classification: Large Quantity Generator

Violation Status: No violations found

ENVIROSTOR:

Facility ID: 19990049
Status: Refer: 1248 Local Agency
Status Date: 03/16/2004
Site Code: Not reported
Site Type: Evaluation
Site Type Detailed: Evaluation
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: Referred - Not Assigned

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

315 S FLOWER ST CURRENTLY UNOCCUPIED (Continued)

1000238750

Division Branch: Cleanup Cypress
Assembly: 43
Senate: 25
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not Applicable
Latitude: 34.17541
Longitude: -118.3099
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 19990049
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: Not reported
Completed Sub Area Name: Not reported
Completed Document Type: Not reported
Completed Date: Not reported
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

CPS-SLIC:

Region: STATE
Facility Status: **Completed - Case Closed**
Status Date: 05/17/2017
Global Id: T10000004738
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number: Not reported
Latitude: 34.175414
Longitude: -118.309985
Case Type: Cleanup Program Site
Case Worker: CH
Local Agency: Not reported
RB Case Number: 104.5166
File Location: Regional Board
Potential Media Affected: Soil, Soil Vapor
Potential Contaminants of Concern: Tetrachloroethylene (PCE), Trichloroethylene (TCE)
Site History: The site was leased by Tech-Graphics, Inc. for 40 years. The business had vacated the property by January 2003. Manufacturing activities included spray painting, engraving, acid etching, etc. VOCs were stored and used at the site. Areas of concern include two former sub-grade clarifiers, the former acid etch room, and the former chemical storage and handling area. Site assessments indicated that soil and groundwater beneath the site was impacted with VOCs. SVE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

315 S FLOWER ST CURRENTLY UNOCCUPIED (Continued)

1000238750

remediation had been conducted between 2005 and 2008 under the oversight of LAFD-HHMD. The case was transferred to the Regional Board for continued oversight for investigation and remediation.

Click here to access the California GeoTracker records for this facility:

DEED:

Envirostor ID: T10000004738
Area: Not reported
Sub Area: Not reported
Site Type: SLIC
Status: COMPLETED - CASE CLOSED
Agency: SWRCB
Covenant Uploaded: Y
Deed Date(s): 11/15/2016
File Name: Geotracker Land Use/Deed Restrictions

FINDS:

Registry ID: 110002632045

Environmental Interest/Information System
HAZARDOUS AIR POLLUTANT MAJOR

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

STATE MASTER

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1000238750
Registry ID: 110002632045
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110002632045>

EMI:

Year: 1987
County Code: 19
Air Basin: SC
Facility ID: 7376
Air District Name: SC
SIC Code: 3479
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 11
Reactive Organic Gases Tons/Yr: 6
Carbon Monoxide Emissions Tons/Yr: 0

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

315 S FLOWER ST CURRENTLY UNOCCUPIED (Continued)

1000238750

NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 1990
County Code: 19
Air Basin: SC
Facility ID: 7376
Air District Name: SC
SIC Code: 3479
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 10
Reactive Organic Gases Tons/Yr: 4
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 1995
County Code: 19
Air Basin: SC
Facility ID: 7376
Air District Name: SC
SIC Code: 3479
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 3
Reactive Organic Gases Tons/Yr: 2
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 1996
County Code: 19
Air Basin: SC
Facility ID: 7376
Air District Name: SC
SIC Code: 3479
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 2
Reactive Organic Gases Tons/Yr: 2
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 1997

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

315 S FLOWER ST CURRENTLY UNOCCUPIED (Continued)

1000238750

County Code: 19
Air Basin: SC
Facility ID: 7376
Air District Name: SC
SIC Code: 3479
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1
Reactive Organic Gases Tons/Yr: 1
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

Year: 1998
County Code: 19
Air Basin: SC
Facility ID: 7376
Air District Name: SC
SIC Code: 3479
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1
Reactive Organic Gases Tons/Yr: 1
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

Year: 1999
County Code: 19
Air Basin: SC
Facility ID: 7376
Air District Name: SC
SIC Code: 3479
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1
Reactive Organic Gases Tons/Yr: 1
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

Year: 2000
County Code: 19
Air Basin: SC
Facility ID: 7376
Air District Name: SC
SIC Code: 3479
Air District Name: SOUTH COAST AQMD

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

315 S FLOWER ST CURRENTLY UNOCCUPIED (Continued)

1000238750

Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1
Reactive Organic Gases Tons/Yr: 1
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

Year: 2001
County Code: 19
Air Basin: SC
Facility ID: 7376
Air District Name: SC
SIC Code: 3479
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1
Reactive Organic Gases Tons/Yr: 1
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

LOS ANGELES CO. HMS:

Region: LA
Permit Category: Not reported
Facility Id: 025542-035012
Facility Type: Not reported
Facility Status: OPEN
Area: 3E
Permit Number: Not reported
Permit Status: Not reported

LA Co. Site Mitigation:

Facility ID: FA0011064
Status: Not reported
Site ID: SD0000089
Jurisdiction: Not reported
Case ID: RO0000093
Abated: Yes
Assigned To: Kim Clark
Entered Date: Not reported
Abated Date: 08/27/2009

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

246
South
1/2-1
0.585 mi.
3091 ft.

ABIDANK MNFG. COMP.
210 S. VICTORY BLVD.
BURBANK, CA 91502

EMI **S100178003**
Notify 65 **N/A**

Relative:
Lower

EMI:

Actual:
548 ft.

Year: 1987
County Code: 19
Air Basin: SC
Facility ID: 21565
Air District Name: SC
SIC Code: 3429
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 3
Reactive Organic Gases Tons/Yr: 2
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

Year: 1990
County Code: 19
Air Basin: SC
Facility ID: 21565
Air District Name: SC
SIC Code: 3429
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 6
Reactive Organic Gases Tons/Yr: 1
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

NOTIFY 65:

Date Reported: Not reported
Staff Initials: Not reported
Board File Number: Not reported
Facility Type: Not reported
Discharge Date: Not reported
Issue Date: Not reported
Incident Description: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

247
SE
1/2-1
0.673 mi.
3554 ft.

J&M ANODIZING, INC
525 S. FLOWER STREET
BURBANK, CA 91502

RCRA-LQG
ENVIROSTOR
CPS-SLIC
ENF

1000122655
CAD008306482

Relative:
Lower

RCRA-LQG:

Actual:
548 ft.

Date form received by agency: 05/03/2010
Facility name: J&M ANODIZING, INC
Facility address: 525 S. FLOWER STREET
BURBANK, CA 91502
EPA ID: CAD008306482
Mailing address: FOOTHILL BLVD, #242
C/O IRMA KING TRUST
LA CRESCENTA, CA 91214
Contact: JIM SCHNIEDERS
Contact address: FOOTHILL BLVD, #242 C/O IRMA KING TRUST
LA CRESCENTA, CA 91214
Contact country: US
Contact telephone: 818-249-5949
Contact email: PROCONSERVATOR@DSLEXTREME.COM
EPA Region: 09
Classification: Large Quantity Generator
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name: IRMA KING TRUST
Owner/operator address: S. FLOWER STREET
BURBANK, CA 91502
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 06/21/2001
Owner/Op end date: Not reported
Owner/operator name: J&M ANODIZING, INC
Owner/operator address: Not reported
CA 91502
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

J&M ANODIZING, INC (Continued)

1000122655

Owner/Operator Type: Operator
Owner/Op start date: 01/01/1956
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999

Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private

Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: J AND M ANODIZING INC
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999

Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private

Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: 181
. Waste name: Other inorganic solid waste

. Waste code: D007
. Waste name: CHROMIUM

Historical Generators:

Date form received by agency: 07/29/2009
Site name: IRMA KING TRUST J AND M ANODIZING INC

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

J&M ANODIZING, INC (Continued)

1000122655

Classification: Large Quantity Generator

. Waste code: D007
. Waste name: CHROMIUM

Date form received by agency: 06/25/2008
Site name: J&M ANODIZING, INC
Classification: Large Quantity Generator

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D007
. Waste name: CHROMIUM

Date form received by agency: 06/22/2006
Site name: J & M ANODIZING
Classification: Small Quantity Generator

Date form received by agency: 06/22/2006
Site name: J & M ANODIZING
Classification: Large Quantity Generator

. Waste code: 181
. Waste name: Other inorganic solid waste

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

Date form received by agency: 02/23/2004
Site name: J & M ANODIZING INC
Classification: Large Quantity Generator

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

Date form received by agency: 10/12/2000
Site name: J & M ANODIZING
Classification: Large Quantity Generator

Date form received by agency: 03/04/1999
Site name: J&M ANDOZING
Classification: Large Quantity Generator

Date form received by agency: 09/01/1996

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

J&M ANODIZING, INC (Continued)

1000122655

Site name: J & M ANODIZING#
Classification: Large Quantity Generator

Date form received by agency: 02/23/1996
Site name: J & M ANODIZING
Classification: Large Quantity Generator

Date form received by agency: 03/24/1994
Site name: J & M ANODIZING
Classification: Large Quantity Generator

Date form received by agency: 02/21/1992
Site name: J & M ANODIZING#
Classification: Large Quantity Generator

Date form received by agency: 08/04/1980
Site name: J & M ANODIZING#
Classification: Large Quantity Generator

Violation Status: No violations found

ENVIROSTOR:

Facility ID: 71002183
Status: Refer: Other Agency
Status Date: Not reported
Site Code: Not reported
Site Type: Tiered Permit
Site Type Detailed: Tiered Permit
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: Not reported
Division Branch: Cleanup Chatsworth
Assembly: 43
Senate: 25
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 34.17415
Longitude: -118.3073
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CAD008306482
Alias Type: EPA Identification Number
Alias Name: 110000781930
Alias Type: EPA (FRS #)
Alias Name: 71002183
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: Not reported
Completed Sub Area Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

J&M ANODIZING, INC (Continued)

1000122655

Completed Document Type: Not reported
Completed Date: Not reported
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

CPS-SLIC:

Region: STATE
Facility Status: **Open - Inactive**
Status Date: 02/03/2016
Global Id: SL603798942
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number: Not reported
Latitude: 34.175388
Longitude: -118.308189
Case Type: Cleanup Program Site
Case Worker: AGH
Local Agency: Not reported
RB Case Number: 109.0588
File Location: Regional Board
Potential Media Affected: Aquifer used for drinking water supply
Potential Contaminants of Concern: Not reported
Site History: The Site contained an industrial building built in 1956 used for anodizing processes and chemical storage. Chromium waste and other chemicals were released to the subsurface. Environmental assessment and cleanup activities have been conducted at the Site since 2007. The Regional Board has determined that the total chromium contamination in the top 14 feet of soil has been removed. The remaining hexavalent chromium in deeper soils and in the underlying groundwater have not been addressed due to financial hardship of the Irma King Trust (responsible party). The Regional Board will continue to oversee the remaining investigation and cleanup efforts to address chromium contamination in the deeper soils at the Site. A land use covenant and environmental restriction (deed restriction) has been recorded with the County.

[Click here to access the California GeoTracker records for this facility:](#)

ENF:

Region: 4
Facility Id: 233108
Agency Name: J & M Anodizing Inc.
Place Type: Facility
Place Subtype: Not reported
Facility Type: Not reported
Agency Type: Privately-Owned Business
Of Agencies: 1
Place Latitude: 34.174711

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

J&M ANODIZING, INC (Continued)

1000122655

Place Longitude:	-118.307845
SIC Code 1:	Not reported
SIC Desc 1:	Not reported
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	WIP
Program Category1:	MONITORING
Program Category2:	MONITORING
# Of Programs:	1
WDID:	4WIP1090588
Reg Measure Id:	158807
Reg Measure Type:	Unregulated
Region:	4
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Never Active
Status Date:	02/20/2013
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	220803
Region:	4
Order / Resolution Number:	13267 Letter

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

J&M ANODIZING, INC (Continued)

1000122655

Enforcement Action Type: 13267 Letter
Effective Date: 11/09/2000
Adoption/Issuance Date: Not reported
Achieve Date: Not reported
Termination Date: 11/09/2000
ACL Issuance Date: Not reported
EPL Issuance Date: Not reported
Status: Historical
Title: Enforcement - 4WIP1090588
Description: Not reported
Program: WIP
Latest Milestone Completion Date: Not reported
Of Programs1: 1
Total Assessment Amount: \$0.00
Initial Assessed Amount: \$0.00
Liability \$ Amount: \$0.00
Project \$ Amount: \$0.00
Liability \$ Paid: \$0.00
Project \$ Completed: \$0.00
Total \$ Paid/Completed Amount: \$0.00

AR248
NW
1/2-1
0.678 mi.
3580 ft.
LOCKHEED PLANT B1
1705 VICTORY PL.
BURBANK, CA 91505
Site 1 of 2 in cluster AR

Relative:
Higher

Actual:
632 ft.

ENVIROSTOR:

Facility ID: 80001390
Status: Refer: RWQCB
Status Date: 01/01/2008
Site Code: Not reported
Site Type: Corrective Action
Site Type Detailed: Corrective Action
Acres: 0
NPL: NO
Regulatory Agencies: RWQCB
Lead Agency: WQC
Program Manager: Not reported
Supervisor: * Unknown
Division Branch: Cleanup Chatsworth
Assembly: 43
Senate: 25
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 34.19128
Longitude: -118.3281
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CAD045256187
Alias Type: EPA Identification Number
Alias Name: 110000609547

ENVIROSTOR
CPS-SLIC
SWEEPS UST
CA FID UST
ENF
HWP
S101585773
N/A

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LOCKHEED PLANT B1 (Continued)

S101585773

Alias Type: EPA (FRS #)
Alias Name: 80001390
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Human Exposure Controlled
Completed Date: 10/27/1997
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Groundwater Migration Controlled
Completed Date: 02/13/2001
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Human Exposure Controlled
Completed Date: 02/13/2001
Comments: Not reported

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: SOILS
Completed Document Type: RFI Report
Completed Date: 08/02/1994
Comments: Not reported

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: SOILS
Completed Document Type: Corrective Measures Study Report
Completed Date: 08/02/1994
Comments: Not reported

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: SOILS
Completed Document Type: Interim Measures Workplan
Completed Date: 01/11/1989
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 02/22/1991
Comments: Not reported

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: SOILS
Completed Document Type: Interim Measures Implementation Report
Completed Date: 02/01/1994
Comments: Not reported

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: DNAPL
Completed Document Type: RFI Workplan
Completed Date: 03/22/1994
Comments: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LOCKHEED PLANT B1 (Continued)

S101585773

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Agreement
Completed Date: 12/22/1987
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Interim Measures Questionnaire
Completed Date: 09/20/1994
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RCRA Facility Assessment Report
Completed Date: 02/13/1991
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: Remedy Constructed
Schedule Due Date: 10/01/2017
Schedule Revised Date: Not reported

CPS-SLIC:

Region: STATE
Facility Status: **Open - Assessment & Interim Remedial Action**
Status Date: 01/01/2011
Global Id: SL603798616
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number: Not reported
Latitude: 34.1915997049099
Longitude: -118.328759602516
Case Type: Cleanup Program Site
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: 104.0676
File Location: Regional Board
Potential Media Affected: Aquifer used for drinking water supply
Potential Contaminants of Concern: Not reported
Site History: The Lockheed Martin Corporation was subject to CAO No. 1987-161 issued to Lockheed Aeronautical Systems Company on Dec. 17, 1987. Beginning in 1997 and through 2008, SVE was used to extract approx. 184,000 pounds of VOCs to residual concentrations. Former Plant B1 occupied approx. 100 acres southwest of the Bob Hope Airport. It was in use by Lockheed between 1928 and 1991 with operations entailing completed parts fabrication and subassembly, including tooling, parts shaping, machining, plating, deburring, cleaning, and painting. An investigation was conducted under a 13267 Order No. R4-2013-0063 issued on April 18, 2013 to delineate the extent of VOCs and CrV in the subsurface and groundwater.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LOCKHEED PLANT B1 (Continued)

S101585773

[Click here to access the California GeoTracker records for this facility:](#)

SWEEPS UST:

Status: Not reported
Comp Number: 9782
Number: Not reported
Board Of Equalization: 44-008581
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-007-009782-000004
Tank Status: Not reported
Capacity: 20000
Active Date: Not reported
Tank Use: PETROLEUM
STG: PRODUCT
Content: DIESEL #2
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 9782
Number: Not reported
Board Of Equalization: 44-008581
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-007-009782-000005
Tank Status: Not reported
Capacity: 3000
Active Date: Not reported
Tank Use: PETROLEUM
STG: PRODUCT
Content: DIESEL #2
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 9782
Number: Not reported
Board Of Equalization: 44-008581
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-007-009782-000006
Tank Status: Not reported
Capacity: 750
Active Date: Not reported
Tank Use: UNKNOWN
STG: WASTE
Content: WASTE
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 9782

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LOCKHEED PLANT B1 (Continued)

S101585773

Number: Not reported
Board Of Equalization: 44-008581
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-007-009782-000007
Tank Status: Not reported
Capacity: 750
Active Date: Not reported
Tank Use: UNKNOWN
STG: WASTE
Content: WASTE
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 9782
Number: Not reported
Board Of Equalization: 44-008581
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-007-009782-000008
Tank Status: Not reported
Capacity: 325
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: GASOLINE TYP
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 9782
Number: Not reported
Board Of Equalization: 44-008581
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-007-009782-000009
Tank Status: Not reported
Capacity: 3500
Active Date: Not reported
Tank Use: OIL
STG: PRODUCT
Content: DIESEL
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 9782
Number: Not reported
Board Of Equalization: 44-008581
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LOCKHEED PLANT B1 (Continued)

S101585773

SWRCB Tank Id: 19-007-009782-000010
Tank Status: Not reported
Capacity: 6000
Active Date: Not reported
Tank Use: OIL
STG: WASTE
Content: WASTE OIL
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 9782
Number: Not reported
Board Of Equalization: 44-008581
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-007-009782-000011
Tank Status: Not reported
Capacity: 5000
Active Date: Not reported
Tank Use: PETROLEUM
STG: PRODUCT
Content: DIESEL #2
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 9782
Number: Not reported
Board Of Equalization: 44-008581
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-007-009782-000012
Tank Status: Not reported
Capacity: 7800
Active Date: Not reported
Tank Use: PETROLEUM
STG: PRODUCT
Content: DIESEL #2
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 9782
Number: Not reported
Board Of Equalization: 44-008581
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-007-009782-000013
Tank Status: Not reported
Capacity: 1600
Active Date: Not reported
Tank Use: PETROLEUM
STG: PRODUCT

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LOCKHEED PLANT B1 (Continued)

S101585773

Content: DIESEL #2
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 9782
Number: Not reported
Board Of Equalization: 44-008581
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-007-009782-000014
Tank Status: Not reported
Capacity: 1000
Active Date: Not reported
Tank Use: OIL
STG: WASTE
Content: WASTE OIL
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 9782
Number: Not reported
Board Of Equalization: 44-008581
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-007-009782-000015
Tank Status: Not reported
Capacity: 1500
Active Date: Not reported
Tank Use: OIL
STG: WASTE
Content: WASTE OIL
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 9782
Number: Not reported
Board Of Equalization: 44-008581
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-007-009782-000016
Tank Status: Not reported
Capacity: 300
Active Date: Not reported
Tank Use: PETROLEUM
STG: PRODUCT
Content: LEADED GASOL
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 9782
Number: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LOCKHEED PLANT B1 (Continued)

S101585773

Board Of Equalization: 44-008581
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-007-009782-000017
Tank Status: Not reported
Capacity: 6000
Active Date: Not reported
Tank Use: UNKNOWN
STG: WASTE
Content: Not reported
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 9782
Number: Not reported
Board Of Equalization: 44-008581
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-007-009782-000018
Tank Status: Not reported
Capacity: Not reported
Active Date: Not reported
Tank Use: UNKNOWN
STG: UNKNOWN
Content: Not reported
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 9782
Number: Not reported
Board Of Equalization: 44-008581
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-007-009782-000019
Tank Status: Not reported
Capacity: Not reported
Active Date: Not reported
Tank Use: UNKNOWN
STG: UNKNOWN
Content: Not reported
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 9782
Number: Not reported
Board Of Equalization: 44-008581
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-007-009782-000020

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LOCKHEED PLANT B1 (Continued)

S101585773

Tank Status: Not reported
Capacity: Not reported
Active Date: Not reported
Tank Use: UNKNOWN
STG: UNKNOWN
Content: Not reported
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 9782
Number: Not reported
Board Of Equalization: 44-008581
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-007-009782-000021
Tank Status: Not reported
Capacity: Not reported
Active Date: Not reported
Tank Use: UNKNOWN
STG: UNKNOWN
Content: Not reported
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 9782
Number: Not reported
Board Of Equalization: 44-008581
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-007-009782-000022
Tank Status: Not reported
Capacity: Not reported
Active Date: Not reported
Tank Use: UNKNOWN
STG: UNKNOWN
Content: Not reported
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 9782
Number: Not reported
Board Of Equalization: 44-008581
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-007-009782-000023
Tank Status: Not reported
Capacity: Not reported
Active Date: Not reported
Tank Use: UNKNOWN
STG: UNKNOWN
Content: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LOCKHEED PLANT B1 (Continued)

S101585773

Number Of Tanks:	Not reported
Status:	Not reported
Comp Number:	9782
Number:	Not reported
Board Of Equalization:	44-008581
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-007-009782-000024
Tank Status:	Not reported
Capacity:	Not reported
Active Date:	Not reported
Tank Use:	UNKNOWN
STG:	UNKNOWN
Content:	Not reported
Number Of Tanks:	Not reported
Status:	Not reported
Comp Number:	9782
Number:	Not reported
Board Of Equalization:	44-008581
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-007-009782-000025
Tank Status:	Not reported
Capacity:	Not reported
Active Date:	Not reported
Tank Use:	UNKNOWN
STG:	UNKNOWN
Content:	Not reported
Number Of Tanks:	Not reported
Status:	Not reported
Comp Number:	9782
Number:	Not reported
Board Of Equalization:	44-008581
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-007-009782-000026
Tank Status:	Not reported
Capacity:	1600
Active Date:	Not reported
Tank Use:	OIL
STG:	PRODUCT
Content:	HYDRAULIC
Number Of Tanks:	Not reported
Status:	Not reported
Comp Number:	9782
Number:	Not reported
Board Of Equalization:	44-008581

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LOCKHEED PLANT B1 (Continued)

S101585773

Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-007-009782-000027
Tank Status: Not reported
Capacity: 1400
Active Date: Not reported
Tank Use: OIL
STG: PRODUCT
Content: HYDRAULIC
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 9782
Number: Not reported
Board Of Equalization: 44-008581
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-007-009782-000028
Tank Status: Not reported
Capacity: 2000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: DIESEL
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 9782
Number: Not reported
Board Of Equalization: 44-008581
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-007-009782-000001
Tank Status: Not reported
Capacity: 6000
Active Date: Not reported
Tank Use: CHEMICAL
STG: WASTE
Content: WASTE OIL
Number Of Tanks: 28

Status: Not reported
Comp Number: 9782
Number: Not reported
Board Of Equalization: 44-008581
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-007-009782-000002
Tank Status: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LOCKHEED PLANT B1 (Continued)

S101585773

Capacity: 6000
Active Date: Not reported
Tank Use: PETROLEUM
STG: WASTE
Content: SODIUM HYDRO
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 9782
Number: Not reported
Board Of Equalization: 44-008581
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-007-009782-000003
Tank Status: Not reported
Capacity: 20000
Active Date: Not reported
Tank Use: PETROLEUM
STG: PRODUCT
Content: DIESEL #2
Number Of Tanks: Not reported

CA FID UST:

Facility ID: 19029237
Regulated By: UTNKA
Regulated ID: CAD452561
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 8188470817
Mail To: Not reported
Mailing Address: 2550 HOLLYWOOD WAY
Mailing Address 2: Not reported
Mailing City,St,Zip: BURBANK 91520
Contact: Not reported
Contact Phone: Not reported
DUNS Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

ENF:

Region: 4
Facility Id: 238487
Agency Name: Lockheed Martin Corp
Place Type: Facility
Place Subtype: Not reported
Facility Type: Industrial
Agency Type: Privately-Owned Business
Of Agencies: 1
Place Latitude: Not reported
Place Longitude: Not reported
SIC Code 1: 3721
SIC Desc 1: Aircraft

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LOCKHEED PLANT B1 (Continued)

S101585773

SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	UNREGS
Program Category1:	UNREGS
Program Category2:	UNREGS
# Of Programs:	1
WDID:	4B192524N03
Reg Measure Id:	149619
Reg Measure Type:	Unregulated
Region:	4
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Never Active
Status Date:	02/21/2013
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	224672
Region:	4
Order / Resolution Number:	R4-1987-0161
Enforcement Action Type:	Clean-up and Abatement Order
Effective Date:	12/17/1987
Adoption/Issuance Date:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LOCKHEED PLANT B1 (Continued)

S101585773

Achieve Date:	Not reported
Termination Date:	12/17/1987
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	CAO 87-161- 4B192524N03
Description:	COMPREHENSIVE HYDROGEOLOGIC ASSESSMENT ONGOING ALL OTHER REQUIREMENTS OF ORDER HAVE BEEN MET.
Program:	UNREGS
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	\$0.00
Initial Assessed Amount:	\$0.00
Liability \$ Amount:	\$0.00
Project \$ Amount:	\$0.00
Liability \$ Paid:	\$0.00
Project \$ Completed:	\$0.00
Total \$ Paid/Completed Amount:	\$0.00
Region:	4
Facility Id:	238493
Agency Name:	Lockheed Martin Corp
Place Type:	Facility
Place Subtype:	Not reported
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	Not reported
Place Longitude:	Not reported
SIC Code 1:	Not reported
SIC Desc 1:	Not reported
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	WIP
Program Category1:	MONITORING
Program Category2:	MONITORING
# Of Programs:	1
WDID:	4WIP1040676
Reg Measure Id:	156495

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LOCKHEED PLANT B1 (Continued)

S101585773

Reg Measure Type:	Unregulated
Region:	4
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Never Active
Status Date:	02/20/2013
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	225987
Region:	4
Order / Resolution Number:	CAO
Enforcement Action Type:	Clean-up and Abatement Order
Effective Date:	12/31/1987
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	12/31/1987
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 4WIP1040676
Description:	Not reported
Program:	WIP
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	\$0.00
Initial Assessed Amount:	\$0.00
Liability \$ Amount:	\$0.00
Project \$ Amount:	\$0.00
Liability \$ Paid:	\$0.00
Project \$ Completed:	\$0.00
Total \$ Paid/Completed Amount:	\$0.00
Region:	4
Facility Id:	238493
Agency Name:	Lockheed Martin Corp
Place Type:	Facility
Place Subtype:	Not reported
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LOCKHEED PLANT B1 (Continued)

S101585773

Place Latitude:	Not reported
Place Longitude:	Not reported
SIC Code 1:	Not reported
SIC Desc 1:	Not reported
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	WIP
Program Category1:	MONITORING
Program Category2:	MONITORING
# Of Programs:	1
WDID:	4WIP1040676
Reg Measure Id:	156495
Reg Measure Type:	Unregulated
Region:	4
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Never Active
Status Date:	02/20/2013
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	221010
Region:	4

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LOCKHEED PLANT B1 (Continued)

S101585773

Order / Resolution Number: 13267 Letter
Enforcement Action Type: 13267 Letter
Effective Date: 11/29/2000
Adoption/Issuance Date: Not reported
Achieve Date: Not reported
Termination Date: 11/29/2000
ACL Issuance Date: Not reported
EPL Issuance Date: Not reported
Status: Historical
Title: Enforcement - 4WIP1040676
Description: Not reported
Program: WIP
Latest Milestone Completion Date: Not reported
Of Programs1: 1
Total Assessment Amount: \$0.00
Initial Assessed Amount: \$0.00
Liability \$ Amount: \$0.00
Project \$ Amount: \$0.00
Liability \$ Paid: \$0.00
Project \$ Completed: \$0.00
Total \$ Paid/Completed Amount: \$0.00

HWP:

EPA Id: CAD045256187
Cleanup Status: CLOSED
Latitude: 34.19128
Longitude: -118.3281
Facility Type: Historical - Non-Operating
Facility Size: Not reported
Team: Not reported
Supervisor: Not reported
Site Code: Not reported
Assembly District: 43
Senate District: 25
Public Information Officer: Not reported
Public Information Officer: Not reported

Activities:

EPA Id: CAD045256187
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1
Event Description: New Operating Permit - CALL-IN LETTER ISSUED
Actual Date: 02/02/1983

EPA Id: CAD045256187
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1
Event Description: New Operating Permit - APPLICATION PART B RECEIVED
Actual Date: 04/08/1983

EPA Id: CAD045256187
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1
Event Description: New Operating Permit - PUBLIC COMMENT (BEGIN)
Actual Date: 02/08/1985

EPA Id: CAD045256187

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LOCKHEED PLANT B1 (Continued)

S101585773

Facility Type:	Historical - Non-Operating
Unit Names:	CONTAIN1
Event Description:	New Operating Permit - FINAL PERMIT (EXPIRES)
Actual Date:	04/23/1990
EPA Id:	CAD045256187
Facility Type:	Historical - Non-Operating
Unit Names:	CONTAIN1
Event Description:	New Operating Permit - FINAL PERMIT (EFFECTIVE)
Actual Date:	04/23/1985
EPA Id:	CAD045256187
Facility Type:	Historical - Non-Operating
Unit Names:	CONTAIN1
Event Description:	New Operating Permit - FINAL PERMIT
Actual Date:	04/23/1985
EPA Id:	CAD045256187
Facility Type:	Historical - Non-Operating
Unit Names:	CONTAIN1
Event Description:	Renewal - Historical - APPLICATION PART B RECEIVED
Actual Date:	10/24/1989
EPA Id:	CAD045256187
Facility Type:	Historical - Non-Operating
Unit Names:	CONTAIN1
Event Description:	Renewal - Historical - FINAL PERMIT RENEWAL - WITHDRAWAL REQUEST RECEIVED
Actual Date:	06/25/1991
EPA Id:	CAD045256187
Facility Type:	Historical - Non-Operating
Unit Names:	CONTAIN1
Event Description:	Renewal - Historical - FINAL PERMIT RENEWAL - WITHDRAWAL REQUEST ACKNOWLEDGED
Actual Date:	05/19/1992
Closure:	
EPA Id:	CAD045256187
Facility Type:	Historical - Non-Operating
Unit Names:	CONTAIN1
Event Description:	Closure Final - RECEIVE CLOSURE CERTIFICATION
Actual Date:	09/07/1993
EPA Id:	CAD045256187
Facility Type:	Historical - Non-Operating
Unit Names:	CONTAIN1
Event Description:	Closure Final - ISSUE CLOSURE VERIFICATION
Actual Date:	10/26/1993
Alias:	
EPA Id:	CAD045256187
Facility Type:	Historical - Non-Operating
Alias Type:	FRS
Alias:	110000609547

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

AR249
NW
1/2-1
0.678 mi.
3580 ft.
LOCKHEED MARTIN SITE B-1
1705 N VICTORY PLACE
BURBANK, CA 91505
Site 2 of 2 in cluster AR

SEMS-ARCHIVE
CORRACTS
RCRA-TSDF
RCRA-SQG
2020 COR ACTION
FINDS
1000993828
CAD045256187

Relative:
Higher

Actual:
632 ft.

SEMS Archive:
Site ID: 900324
EPA ID: CAD045256187
Cong District: Not reported
FIPS Code: 6037
FF: N
NPL: Not on the NPL
Non NPL Status: Deferred to RCRA (Subtitle C)

SEMS Archive Detail:

Region: 9
Site ID: 900324
EPA ID: CAD045256187
Site Name: LOCKHEED CALIF PLT B1 WASTE TREATMENT
NPL: N
FF: N
OU: 0
Action Code: VS
Action Name: ARCH SITE
SEQ: 1
Start Date: Not reported
Finish Date: 1996-01-23 00:00:00
Qual: Not reported
Current Action Lead: EPA Perf In-Hse

Region: 9
Site ID: 900324
EPA ID: CAD045256187
Site Name: LOCKHEED CALIF PLT B1 WASTE TREATMENT
NPL: N
FF: N
OU: 0
Action Code: DS
Action Name: DISCVRY
SEQ: 1
Start Date: 1990-08-02 00:00:00
Finish Date: 1990-08-02 00:00:00
Qual: Not reported
Current Action Lead: EPA Perf

Region: 9
Site ID: 900324
EPA ID: CAD045256187
Site Name: LOCKHEED CALIF PLT B1 WASTE TREATMENT
NPL: N
FF: N
OU: 0
Action Code: PA
Action Name: PA
SEQ: 1
Start Date: Not reported
Finish Date: 1991-02-22 00:00:00
Qual: D

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LOCKHEED MARTIN SITE B-1 (Continued)

1000993828

Current Action Lead: EPA Perf

CORRACTS:

EPA ID: CAD045256187
EPA Region: 09
Area Name: SOILS
Actual Date: 19940201
Action: CA650 - Stabilization Construction Completed
NAICS Code(s): 56291
Remediation Services
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD045256187
EPA Region: 09
Area Name: SOILS
Actual Date: 19940802
Action: CA200 - RFI Approved
NAICS Code(s): 56291
Remediation Services
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD045256187
EPA Region: 09
Area Name: SOILS
Actual Date: 19940802
Action: CA350 - CMS Approved
NAICS Code(s): 56291
Remediation Services
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD045256187
EPA Region: 09
Area Name: SOILS
Actual Date: 19890111
Action: CA600SR - Stabilization Measures Implemented, Primary measure is source removal and/or treatment
NAICS Code(s): 56291
Remediation Services
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD045256187
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 20010213
Action: CA725YE - Current Human Exposures Under Control, Yes, Current Human Exposures Under Control has been verified
NAICS Code(s): 56291
Remediation Services
Original schedule date: 20010213
Schedule end date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LOCKHEED MARTIN SITE B-1 (Continued)

1000993828

EPA ID: CAD045256187
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 20010213
Action: CA750YE - Migration of Contaminated Groundwater under Control, Yes,
Migration of Contaminated Groundwater Under Control has been verified
NAICS Code(s): 56291
Remediation Services
Original schedule date: 20010213
Schedule end date: Not reported

EPA ID: CAD045256187
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 19910213
Action: CA050 - RFA Completed
NAICS Code(s): 56291
Remediation Services
Original schedule date: 19910213
Schedule end date: Not reported

EPA ID: CAD045256187
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 19940920
Action: CA225NR - Stabilization Measures Evaluation, This facility is, not
amenable to stabilization activity at the, present time for reasons
other than (1) it appears to be technically, infeasible or
inappropriate (NF) or (2) there is a lack of technical, information
(IN). Reasons for this conclusion may be the status of, closure at the
facility, the degree of risk, timing considerations, the status of
corrective action work at the facility, or other, administrative
considerations
NAICS Code(s): 56291
Remediation Services
Original schedule date: 19940920
Schedule end date: Not reported

EPA ID: CAD045256187
EPA Region: 09
Area Name: DNAPL
Actual Date: 19940322
Action: CA150 - RFI Workplan Approved
NAICS Code(s): 56291
Remediation Services
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD045256187
EPA Region: 09
Area Name: SOILS
Actual Date: 19971027
Action: CA210 - CA Responsibility Referred To A Non-RCRA Federal Authority
NAICS Code(s): 56291
Remediation Services
Original schedule date: Not reported
Schedule end date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LOCKHEED MARTIN SITE B-1 (Continued)

1000993828

EPA ID: CAD045256187
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 19971027
Action: CA725NO - Current Human Exposures Under Control, Current human exposures are NOT under control
NAICS Code(s): 56291
Remediation Services
Original schedule date: 19971027
Schedule end date: Not reported

EPA ID: CAD045256187
EPA Region: 09
Area Name: GROUNDWATER
Actual Date: 19860630
Action: CA210SF - CA Responsibility Referred To A Non-RCRA Federal Authority, Corrective Action at the facility or area referred to CERCLA
NAICS Code(s): 56291
Remediation Services
Original schedule date: Not reported
Schedule end date: Not reported

RCRA-TSDF:

Date form received by agency: 02/18/2002
Facility name: LOCKHEED MARTIN SITE B-1
Facility address: 1705 N VICTORY PLACE
BURBANK, CA 91505
EPA ID: CAD045256187
Mailing address: 2550 N HOLLYWOOD BLVD STE 301
BURBANK, CA 91505
Contact: GENE S MATSUSHITA
Contact address: Not reported
Not reported
Contact country: US
Contact telephone: 818-847-0197
Contact email: Not reported
EPA Region: 09
Land type: Facility is not located on Indian land. Additional information is not known.
Classification: TSDF
Description: Handler is engaged in the treatment, storage or disposal of hazardous waste

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No

Map ID
Direction
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LOCKHEED MARTIN SITE B-1 (Continued)

1000993828

Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 02/18/2002
Site name: LOCKHEED MARTIN SITE B-1
Classification: Large Quantity Generator

Date form received by agency: 10/12/2000
Site name: LOCKHEED MARTIN CORP.
Classification: Large Quantity Generator

Date form received by agency: 03/04/1999
Site name: LOCKHEED MARTIN CORP.- B-1
Classification: Large Quantity Generator

Date form received by agency: 09/01/1996
Site name: LOCKHEED MARTIN CORP
Classification: Large Quantity Generator

Date form received by agency: 01/30/1996
Site name: FORMER LOCKHEED PLANT B-1
Classification: Large Quantity Generator

Date form received by agency: 04/25/1995
Site name: LOCKHEED MARTIN CORP
Classification: Large Quantity Generator

Date form received by agency: 03/25/1994
Site name: LOCKHEED ENVIR SYS & TECH
Classification: Large Quantity Generator

Date form received by agency: 03/31/1992
Site name: LOCKHEED AERONAUTICAL SYSTEMS COMPANY
Classification: Large Quantity Generator

Date form received by agency: 05/11/1990
Site name: LOCKHEED AERONAUTICAL SYSTEMS COMPANY
Classification: Large Quantity Generator

Corrective Action Summary:

Event date: 06/30/1986
Event: REFERRED TO A NON-RCRA AUTHORITY-REFERRED TO CERCLA

Event date: 12/22/1987
Event: INVESTIGATION IMPOSITION

Event date: 01/11/1989
Event: STABILIZATION/INTERIM MEASURES DECISION-PRIMARY MEAS IS SOURCE REMOVL
&/OR TRT

Event date: 02/13/1991
Event: RFA COMPLETED

Event date: 02/13/1991
Event: RFA COMPLETED-ASSESSMENT WAS A PA-PLUS

Map ID
Direction
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LOCKHEED MARTIN SITE B-1 (Continued)

1000993828

Event date:	02/22/1991
Event:	NCAPS RANKING/PRIORITY
Event date:	02/22/1991
Event:	CA PRIORITIZATION-HIGH CA PRIORITY
Event date:	02/22/1991
Event:	LEAD AGENCY DETERMINATION
Event date:	02/22/1991
Event:	PA OR CERCLA INSPECTION
Event date:	10/31/1991
Event:	DEFERRAL TO ANOTHER AGENCY
Event date:	02/01/1994
Event:	HUMAN EXPOSURES CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE
Event date:	02/01/1994
Event:	STABILIZATION CONSTRUCTION COMPLETED
Event date:	03/22/1994
Event:	INVESTIGATION WORKPLAN APPROVED
Event date:	08/02/1994
Event:	INVESTIGATION COMPLETE
Event date:	08/02/1994
Event:	CMS COMPLETE
Event date:	09/20/1994
Event:	CA PRIORITIZATION-HIGH CA PRIORITY
Event date:	09/20/1994
Event:	STABILIZATION MEASURES EVALUATION-FACILITY NOT AMENABLE TO STABILIZATION
Event date:	09/20/1994
Event:	STABILIZATION MEASURES EVALUATION-FACILITY NOT AMENABLE TO STABILIZATION
Event date:	10/27/1997
Event:	HUMAN EXPOSURES CONTROLLED DETERMINATION-FACILITY DOES NOT MEET DEFINITION
Event date:	10/27/1997
Event:	HUMAN EXPOSURES CONTROLLED DETERMINATION-FACILITY DOES NOT MEET DEFINITION
Event date:	10/27/1997
Event:	REFERRED TO A NON-RCRA AUTHORITY
Event date:	10/27/1997
Event:	RELEASE TO GW CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE
Event date:	02/13/2001

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LOCKHEED MARTIN SITE B-1 (Continued)

1000993828

Event: RELEASE TO GW CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE

Event date: 02/13/2001
Event: HUMAN EXPOSURES CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE

Event date: 03/09/2001
Event: HUMAN EXPOSURES CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE

Event date: 03/09/2001
Event: RELEASE TO GW CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE

Facility Has Received Notices of Violations:

Regulation violated: Not reported
Area of violation: TSD - Financial Requirements
Date violation determined: 04/15/1992
Date achieved compliance: 06/02/1993
Violation lead agency: EPA
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Permits - Application
Date violation determined: 11/28/1990
Date achieved compliance: 02/07/1991
Violation lead agency: EPA
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 12/19/1990
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 11/28/1990
Date achieved compliance: 02/07/1991
Violation lead agency: EPA
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 12/19/1990
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported

Map ID
Direction
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LOCKHEED MARTIN SITE B-1 (Continued)

1000993828

Area of violation: TSD - Financial Requirements
Date violation determined: 03/15/1989
Date achieved compliance: 11/19/1989
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 07/27/1989
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 100800
Final penalty amount: 75000
Paid penalty amount: 75000

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 03/15/1989
Date achieved compliance: 11/19/1989
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 07/27/1989
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 100800
Final penalty amount: 75000
Paid penalty amount: 75000

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 03/15/1989
Date achieved compliance: 11/19/1989
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/21/1989
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Financial Requirements
Date violation determined: 03/15/1989
Date achieved compliance: 11/19/1989
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/21/1989
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 07/17/2014

Map ID
Direction
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LOCKHEED MARTIN SITE B-1 (Continued)

1000993828

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 10/17/2006
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 04/13/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/02/1993
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 04/15/1992
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 06/02/1993
Evaluation lead agency: EPA Contractor/Grantee

Evaluation date: 02/07/1991
Evaluation: NOT A SIGNIFICANT NON-COMPLIER
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 11/28/1990
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Permits - Application
Date achieved compliance: 02/07/1991
Evaluation lead agency: EPA

Evaluation date: 11/28/1990
Evaluation: SIGNIFICANT NON-COMPLIER
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 11/28/1990
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 02/07/1991
Evaluation lead agency: EPA

Evaluation date: 03/15/1989
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Financial Requirements
Date achieved compliance: 11/19/1989

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LOCKHEED MARTIN SITE B-1 (Continued)

1000993828

Evaluation lead agency: State

Evaluation date: 03/15/1989
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 11/19/1989
Evaluation lead agency: State

Evaluation date: 12/01/1987
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 11/30/1987
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 11/19/1987
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 11/19/1987
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

2020 COR ACTION:

EPA ID: CAD045256187
Region: 9
Action: Not reported

FINDS:

Registry ID: 110055895786

Environmental Interest/Information System
STATE MASTER

[Click this hyperlink](#) while viewing on your computer to access
additional FINDS: detail in the EDR Site Report.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

250
ESE
1/2-1
0.716 mi.
3782 ft.

OVROM PARK AND SCHOOL
601 SOUTH SAN FERNANDO BOULEVARD
BURBANK, CA 91502

ENVIROSTOR **S107736978**
SCH **N/A**

Relative:
Lower

Actual:
572 ft.

ENVIROSTOR:

Facility ID: 19750100
Status: Certified
Status Date: 06/25/2004
Site Code: 304427
Site Type: School Cleanup
Site Type Detailed: School
Acres: 1.4
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Not reported
Supervisor: Javier Hinojosa
Division Branch: Southern California Schools & Brownfields Outreach
Assembly: 43
Senate: 25
Special Program: EPA - Target Site Investigation
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: School District
Latitude: 34.17697
Longitude: -118.3039
APN: 2453032901
Past Use: VEHICLE MAINTENANCE
Potential COC: Arsenic Polychlorinated biphenyls (PCBs Barium and compounds Cadmium and compounds Chromium VI Cobalt Nickel (soluble salts Vanadium and compounds
Confirmed COC: Arsenic
Potential Description: SOIL
Alias Name: Burbank USD-Community Day School
Alias Type: Alternate Name
Alias Name: Burbank Unified School District
Alias Type: Alternate Name
Alias Name: CITY OF BURBANK-SAN FERNANDO CMUNITY SCL
Alias Type: Alternate Name
Alias Name: Community Day School
Alias Type: Alternate Name
Alias Name: OVROM PARK & SCHOOL AKA SAN FRNANDO COMM
Alias Type: Alternate Name
Alias Name: ROBERT R. OVROM PARK
Alias Type: Alternate Name
Alias Name: 2453032901
Alias Type: APN
Alias Name: 110033607185
Alias Type: EPA (FRS #)
Alias Name: 304244
Alias Type: Project Code (Site Code)
Alias Name: 304427
Alias Type: Project Code (Site Code)
Alias Name: 19650019
Alias Type: Envirostor ID Number
Alias Name: 19750100
Alias Type: Envirostor ID Number

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

OVROM PARK AND SCHOOL (Continued)

S107736978

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Notice of Exemption
Completed Date: 02/16/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 05/26/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 03/19/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 05/26/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Public Participation
Completed Date: 02/04/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 06/25/2004
Comments: DTSC entered into a Voluntary Cleanup Agreement (Docket Number HSA-A 03/04-006) with City of Burbank for removal action.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 01/29/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 07/14/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 06/23/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

OVROM PARK AND SCHOOL (Continued)

S107736978

Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 05/25/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 02/16/2005
Comments: DTSC approved the Removal Action Workplan.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Workplan
Completed Date: 03/02/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 11/27/2000
Comments: PEA Required

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

SCH:

Facility ID: 19750100
Site Type: School Cleanup
Site Type Detail: School
Site Mgmt. Req.: NONE SPECIFIED
Acres: 1.4
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Not reported
Supervisor: Javier Hinojosa
Division Branch: Southern California Schools & Brownfields Outreach
Site Code: 304427
Assembly: 43
Senate: 25
Special Program Status: EPA - Target Site Investigation
Status: Certified
Status Date: 06/25/2004
Restricted Use: NO
Funding: School District
Latitude: 34.17697
Longitude: -118.3039

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

OVROM PARK AND SCHOOL (Continued)

S107736978

APN: 2453032901
Past Use: VEHICLE MAINTENANCE
Potential COC: Arsenic, Polychlorinated biphenyls (PCBs, Barium and compounds, Cadmium and compounds, Chromium VI, Cobalt, Nickel (soluble salts, Vanadium and compounds
Confirmed COC: Arsenic
Potential Description: SOIL
Alias Name: Burbank USD-Community Day School
Alias Type: Alternate Name
Alias Name: Burbank Unified School District
Alias Type: Alternate Name
Alias Name: CITY OF BURBANK-SAN FERNANDO CMUNITY SCL
Alias Type: Alternate Name
Alias Name: Community Day School
Alias Type: Alternate Name
Alias Name: OVROM PARK & SCHOOL AKA SAN FRNANDO COMM
Alias Type: Alternate Name
Alias Name: ROBERT R. OVROM PARK
Alias Type: Alternate Name
Alias Name: 2453032901
Alias Type: APN
Alias Name: 110033607185
Alias Type: EPA (FRS #)
Alias Name: 304244
Alias Type: Project Code (Site Code)
Alias Name: 304427
Alias Type: Project Code (Site Code)
Alias Name: 19650019
Alias Type: Envirostor ID Number
Alias Name: 19750100
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Notice of Exemption
Completed Date: 02/16/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 05/26/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 03/19/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 05/26/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

OVROM PARK AND SCHOOL (Continued)

S107736978

Completed Sub Area Name: Not reported
Completed Document Type: * Public Participation
Completed Date: 02/04/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 06/25/2004
Comments: DTSC entered into a Voluntary Cleanup Agreement (Docket Number HSA-A 03/04-006) with City of Burbank for removal action.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 01/29/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 07/14/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 06/23/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 05/25/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 02/16/2005
Comments: DTSC approved the Removal Action Workplan.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Workplan
Completed Date: 03/02/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 11/27/2000
Comments: PEA Required

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

OVROM PARK AND SCHOOL (Continued)

S107736978

Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

**251
SSE
1/2-1
0.730 mi.
3855 ft.**

**FIBER RESIN CORP MICHIGAN
170 W. PROVIDENCIA AVENUE
BURBANK, CA 91502**

**ENVIROSTOR
CPS-SLIC
EMI
WIP**

**S101480627
N/A**

**Relative:
Lower**

ENVIROSTOR:

**Actual:
525 ft.**

Facility ID: 19280578
Status: No Further Action
Status Date: 02/01/1995
Site Code: Not reported
Site Type: Historical
Site Type Detailed: * Historical
Acres: 0
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: * Mmonroy
Division Branch: Cleanup Chatsworth
Assembly: 43
Senate: 25
Special Program: * Site Char & Assess Grant (CERCLA 104)
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 34.1725
Longitude: -118.3083
APN: NONE SPECIFIED
Past Use: MANUFACTURING - CHEMICALS
Potential COC: * Asbestos and Naturally Occurring Asbestos (NOA Methylene chloride
Methyl ethyl ketone (2-Butanone Xylenes
30384-NO 30386-NO 30002-NO 30593-NO
Confirmed COC: SOIL, SV, IA
Potential Description: CAD030866677
Alias Name: EPA Identification Number
Alias Type: 19280578
Alias Name: Envirostor ID Number
Alias Type:

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 02/01/1995
Comments: DATABASE VALIDATION PROGRAM CONFIRMS NFA FOR DTSC.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 12/01/1985
Comments: SOURCE ACT: DHS/ASAP SURVEY 1985 - EPOXY FORMULATORS,FILM

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FIBER RESIN CORP MICHIGAN (Continued)

S101480627

ADHESIVE, SEALANT TAPE URETHANES PRODS.YR OF OPER: 1962-PRESNT IN PASE
ASBESTOS BAGS WERE DISP OF AS NON-HZD. NOW PICKED BY HAULER/OSCO.
SUBMIT TO EPA PRELIM ASSESS DONE CERCLA 104

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 04/06/1980
Comments: FACILITY IDENTIFIED IW SURVEY QUEST 12580

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

CPS-SLIC:

Region: STATE
Facility Status: **Completed - Case Closed**
Status Date: 12/23/2014
Global Id: SL603798964
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number: Not reported
Latitude: 34.175614
Longitude: -118.304534
Case Type: Cleanup Program Site
Case Worker: GJH
Local Agency: Not reported
RB Case Number: 109.0885
File Location: Not reported
Potential Media Affected: Aquifer used for drinking water supply
Potential Contaminants of Concern: Not reported
Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

EMI:

Year: 1987
County Code: 19
Air Basin: SC
Facility ID: 20464
Air District Name: SC
SIC Code: 2891
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FIBER RESIN CORP MICHIGAN (Continued)

S101480627

Part. Matter 10 Micrometers and Smlr Tons/Yr:0

WIP:

Region: 4
File Number: 109.0885
File Status: Backlog
Staff: UNIDENTIFIED
Facility Suite: Not reported

252
NW
1/2-1
0.831 mi.
4387 ft.

Relative:
Higher

Actual:
632 ft.

A-H PLATING
1837 NORTH VICTORY PLACE
BURBANK, CA 91504

RCRA-LQG 1000128015
ENVIROSTOR CAD098627714
CPS-SLIC
SWEEPS UST
FINDS
ECHO
EMI
ENF
NPDES
WIP
CIWQS

RCRA-LQG:

Date form received by agency: 02/17/2016
Facility name: A-H PLATING
Facility address: 1837 NORTH VICTORY PLACE
BURBANK, CA 91504
EPA ID: CAD098627714
Mailing address: NORTH VICTORY PLACE
BURBANK, CA 91504
Contact: JESSIE RIVERA
Contact address: NORTH VICTORY PLACE
BURBANK, CA 91504
Contact country: US
Contact telephone: 818-845-6243
Contact email: JRIVERA@AHPLATING.COM
EPA Region: 09
Land type: Private
Classification: Large Quantity Generator
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name: SUNVAIR COATING TECHNOLOGIES
Owner/operator address: 1837 NORTH VICTORY PLACE
BURBANK, CA 91504
Owner/operator country: US
Owner/operator telephone: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A-H PLATING (Continued)

1000128015

Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/01/1979
Owner/Op end date: Not reported

Owner/operator name: A-H PLATING
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 01/01/1960
Owner/Op end date: Not reported

Owner/operator name: TIM WASCHAK
Owner/operator address: NORTH VICTORY PLACE
BURBANK, CA 91504
Owner/operator country: US
Owner/operator telephone: 818-845-6243
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 05/01/2008
Owner/Op end date: Not reported

Owner/operator name: RUEL GREY
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 03/01/1996
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A-H PLATING (Continued)

1000128015

Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: 132
. Waste name: Aqueous solution w/metals (< restricted levels and see waste code 121 for a list of metals)

. Waste code: 141
. Waste name: Off-specification, aged, or surplus inorganics

. Waste code: 161
. Waste name: Fluid-cracking catalyst (FCC) waste

. Waste code: 172
. Waste name: Metal dust (see 121) and machining waste

. Waste code: 181
. Waste name: Other inorganic solid waste

. Waste code: 212
. Waste name: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)

. Waste code: 223
. Waste name: Unspecified oil-containing waste

. Waste code: 711
. Waste name: Liquids with cyanides > 1000 mg/l

. Waste code: 792
. Waste name: Liquids with pH < 2 with metals

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D003
. Waste name: REACTIVE WASTE

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A-H PLATING (Continued)

1000128015

MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Historical Generators:

Date form received by agency: 03/01/2014

Site name: A-H PLATING

Classification: Large Quantity Generator

- . Waste code: 121
- . Waste name: Alkaline solution (pH >12.5) with metals (antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, molybdenum, nickel, selenium, silver, thallium, vanadium, and zinc)
- . Waste code: 132
- . Waste name: Aqueous solution w/metals (< restricted levels and see waste code 121 for a list of metals)
- . Waste code: 181
- . Waste name: Other inorganic solid waste
- . Waste code: 212
- . Waste name: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
- . Waste code: 711
- . Waste name: Liquids with cyanides > 1000 mg/l
- . Waste code: 792
- . Waste name: Liquids with pH < 2 with metals
- . Waste code: D001
- . Waste name: IGNITABLE WASTE
- . Waste code: D002
- . Waste name: CORROSIVE WASTE
- . Waste code: D003
- . Waste name: REACTIVE WASTE
- . Waste code: D006
- . Waste name: CADMIUM
- . Waste code: D007
- . Waste name: CHROMIUM
- . Waste code: D008
- . Waste name: LEAD
- . Waste code: F003
- . Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A-H PLATING (Continued)

1000128015

NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

- . Waste code: F007
- . Waste name: SPENT CYANIDE PLATING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS.

Date form received by agency: 03/23/2012

Site name: A-H PLATING

Classification: Large Quantity Generator

- . Waste code: 121
 - . Waste name: Alkaline solution (pH >12.5) with metals (antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, molybdenum, nickel, selenium, silver, thallium, vanadium, and zinc)
 - . Waste code: 132
 - . Waste name: Aqueous solution w/metals (< restricted levels and see waste code 121 for a list of metals)
 - . Waste code: 181
 - . Waste name: Other inorganic solid waste
 - . Waste code: 722
 - . Waste name: Liquids with cadmium > 100 mg/l
 - . Waste code: 723
 - . Waste name: Liquids with chromium (VI) > 500 mg/l
 - . Waste code: 724
 - . Waste name: Liquids with lead > 500 mg/l
 - . Waste code: 792
 - . Waste name: Liquids with pH < 2 with metals
 - . Waste code: D002
 - . Waste name: CORROSIVE WASTE
 - . Waste code: D006
 - . Waste name: CADMIUM
 - . Waste code: D007
 - . Waste name: CHROMIUM
 - . Waste code: D008
 - . Waste name: LEAD
- Date form received by agency: 02/09/2010
- Site name: AH PLATING
- Classification: Large Quantity Generator
- . Waste code: 122
 - . Waste name: Alkaline solution without metals (pH > 12.5)

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A-H PLATING (Continued)

1000128015

- . Waste code: 132
- . Waste name: Aqueous solution w/metals (< restricted levels and see waste code 121 for a list of metals)

- . Waste code: 181
- . Waste name: Other inorganic solid waste

- . Waste code: 212
- . Waste name: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)

- . Waste code: 221
- . Waste name: Waste oil and mixed oil

- . Waste code: 343
- . Waste name: Unspecified organic liquid mixture

- . Waste code: 352
- . Waste name: Other organic solids

- . Waste code: 711
- . Waste name: Liquids with cyanides > 1000 mg/l

- . Waste code: 722
- . Waste name: Liquids with cadmium > 100 mg/l

- . Waste code: 723
- . Waste name: Liquids with chromium (VI) > 500 mg/l

- . Waste code: 724
- . Waste name: Liquids with lead > 500 mg/l

- . Waste code: 792
- . Waste name: Liquids with pH < 2 with metals

- . Waste code: D001
- . Waste name: IGNITABLE WASTE

- . Waste code: D002
- . Waste name: CORROSIVE WASTE

- . Waste code: D006
- . Waste name: CADMIUM

- . Waste code: D007
- . Waste name: CHROMIUM

- . Waste code: D008
- . Waste name: LEAD

- . Waste code: D035
- . Waste name: METHYL ETHYL KETONE

Date form received by agency: 01/27/2006

Site name: A-H PLATING

Classification: Large Quantity Generator

- . Waste code: D001

Map ID
Direction
Distance
Elevation

MAP FINDINGS

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A-H PLATING (Continued)

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- . Waste name: IGNITABLE WASTE
 - . Waste code: D002
 - . Waste name: CORROSIVE WASTE
 - . Waste code: D006
 - . Waste name: CADMIUM
 - . Waste code: D007
 - . Waste name: CHROMIUM
 - . Waste code: F005
 - . Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
 - . Waste code: F006
 - . Waste name: WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS, EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC, AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.
 - . Waste code: F009
 - . Waste name: SPENT STRIPPING AND CLEANING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS IN WHICH CYANIDES ARE USED IN THE PROCESS.
- Date form received by agency: 02/27/2004
Site name: AH PLATING, INC.
Classification: Large Quantity Generator
- . Waste code: D001
 - . Waste name: IGNITABLE WASTE
 - . Waste code: D002
 - . Waste name: CORROSIVE WASTE
 - . Waste code: D005
 - . Waste name: BARIUM
 - . Waste code: D006
 - . Waste name: CADMIUM
 - . Waste code: D007
 - . Waste name: CHROMIUM
 - . Waste code: F002
 - . Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2,

Map ID
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MAP FINDINGS

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A-H PLATING (Continued)

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TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

- . Waste code: F006
- . Waste name: WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS, EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC, AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.

Date form received by agency: 02/22/2002

Site name: A-H PLATING, INC.

Classification: Large Quantity Generator

- . Waste code: 121
- . Waste name: Alkaline solution (pH >12.5) with metals (antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, molybdenum, nickel, selenium, silver, thallium, vanadium, and zinc)

- . Waste code: 171
- . Waste name: Metal sludge (see 121)

- . Waste code: 181
- . Waste name: Other inorganic solid waste

- . Waste code: 212
- . Waste name: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)

- . Waste code: 711
- . Waste name: Liquids with cyanides > 1000 mg/l

- . Waste code: 792
- . Waste name: Liquids with pH < 2 with metals

- . Waste code: D001
- . Waste name: IGNITABLE WASTE

- . Waste code: D002
- . Waste name: CORROSIVE WASTE

- . Waste code: D006
- . Waste name: CADMIUM

- . Waste code: D007
- . Waste name: CHROMIUM

Date form received by agency: 10/12/2000

Site name: A-H PLATING, INC.

Classification: Large Quantity Generator

Date form received by agency: 03/04/1999

Site name: A-H PLATING, INC.

Map ID
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MAP FINDINGS

Site

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A-H PLATING (Continued)

1000128015

Classification: Large Quantity Generator

Date form received by agency: 09/01/1996

Site name: A-H PLATING INC

Classification: Small Quantity Generator

Date form received by agency: 03/04/1981

Site name: A-H PLATING INC

Classification: Large Quantity Generator

Biennial Reports:

Last Biennial Reporting Year: 2017

Annual Waste Handled:

Waste code: D001

Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Amount (Lbs): 834

Waste code: D002

Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Amount (Lbs): 87807.4

Waste code: D003

Waste name: A MATERIAL IS CONSIDERED TO BE A REACTIVE HAZARDOUS WASTE IF IT IS NORMALLY UNSTABLE, REACTS VIOLENTLY WITH WATER, GENERATES TOXIC GASES WHEN EXPOSED TO WATER OR CORROSIVE MATERIALS, OR IF IT IS CAPABLE OF DETONATION OR EXPLOSION WHEN EXPOSED TO HEAT OR A FLAME. ONE EXAMPLE OF SUCH WASTE WOULD BE WASTE GUNPOWDER.

Amount (Lbs): 12365.1

Waste code: D006

Waste name: CADMIUM

Amount (Lbs): 112827.5

Waste code: D007

Waste name: CHROMIUM

Amount (Lbs): 122188.4

Waste code: D008

Waste name: LEAD

Amount (Lbs): 112827.5

Waste code: F003

Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL

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MAP FINDINGS

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A-H PLATING (Continued)

1000128015

ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Amount (Lbs): 834

Facility Has Received Notices of Violations:

Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 08/04/2008
Date achieved compliance: 12/17/2008
Violation lead agency: EPA
Enforcement action: Not reported
Enforcement action date: 08/26/2008
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 08/04/2008
Date achieved compliance: 12/17/2008
Violation lead agency: EPA
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 11/17/2008
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 03/27/2007
Date achieved compliance: 03/27/2007
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 03/27/2007
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:

Evaluation date: 10/01/2014

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MAP FINDINGS

Site

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A-H PLATING (Continued)

1000128015

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 08/04/2008
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: 12/17/2008
Evaluation lead agency: EPA

Evaluation date: 03/27/2007
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 03/27/2007
Evaluation lead agency: State

ENVIROSTOR:

Facility ID: 71002653
Status: Refer: Other Agency
Status Date: Not reported
Site Code: Not reported
Site Type: Tiered Permit
Site Type Detailed: Tiered Permit
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: Not reported
Division Branch: Cleanup Chatsworth
Assembly: 43
Senate: 25
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 34.19234
Longitude: -118.3301
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CAD098627714
Alias Type: EPA Identification Number
Alias Name: 71002653
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 11/05/1997
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported

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A-H PLATING (Continued)

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Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

CPS-SLIC:

Region: STATE
Facility Status: **Open - Inactive**
Status Date: 11/07/2016
Global Id: SL603798588
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number: Not reported
Latitude: 34.1923673453153
Longitude: -118.330213359802
Case Type: Cleanup Program Site
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: 104.0003
File Location: Regional Board
Potential Media Affected: Aquifer used for drinking water supply
Potential Contaminants of Concern: Other Acid or Corrosive, Tetrachloroethylene (PCE), Trichloroethylene (TCE), Cyanide, Chromium, Chromium VI, Other Metal
Site History: AH Plating is located at 1837 Victory Place in Burbank, CA. The Los Angeles County Assessor's parcel number for the property is 2464-017-010. A.H. Plating currently conducts electroplating operations primarily servicing the aviation industry. The facility has been in operation under the current owners for approximately 31 years. Prior to the AH Plating ownership, the property was owned and operated by Sun Valley Machine, Inc. from 1966 to through 1978. The plating facility consists of a one-story production building situated on the northern half of the property and an equipment storage area in the southern portion of the property. Plating operations are conducted in open-top plating tanks situated within concrete-lined containment areas within the production building. AH Plating conducts three principal metal coating operations including chromium plating, nickel plating, and cadmium plating.

[Click here to access the California GeoTracker records for this facility:](#)

SWEEPS UST:

Status: Active
Comp Number: 14391
Number: 9
Board Of Equalization: Not reported
Referral Date: 12-06-90
Action Date: 12-06-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: Not reported
Tank Status: Not reported
Capacity: Not reported
Active Date: Not reported
Tank Use: Not reported

Map ID
Direction
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A-H PLATING (Continued)

1000128015

STG: Not reported
Content: Not reported
Number Of Tanks: Not reported

FINDS:

Registry ID: 110000898627

Environmental Interest/Information System

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

US EPA TRIS (Toxics Release Inventory System) contains information from facilities on the amounts of over 300 listed toxic chemicals that these facilities release directly to air, water, land, or that are transported off-site.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HAZARDOUS AIR POLLUTANT MAJOR

RISK AND TECHNOLOGY REVIEW

US National Pollutant Discharge Elimination System (NPDES) module of the Compliance Information System (ICIS) tracks surface water permits issued under the Clean Water Act. Under NPDES, all facilities that discharge pollutants from any point source into waters of the United States are required to obtain a permit. The permit will likely contain limits on what can be discharged, impose monitoring and reporting requirements, and include other provisions to ensure that the discharge does not adversely affect water quality.

STATE MASTER

HAZARDOUS WASTE BIENNIAL REPORTER

ICIS (Integrated Compliance Information System) is the Integrated Compliance Information System and provides a database that, when complete, will contain integrated Enforcement and Compliance information across most of EPA's programs. The vision for ICIS is to replace EPA's independent databases that contain Enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions. This information is maintained in ICIS by EPA in the Regional offices and its Headquarters. A future release of ICIS will replace the Permit Compliance System (PCS) which supports the NPDES and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities occurring in the Region that support Compliance and Enforcement programs. These include; Incident Tracking, Compliance Assistance, and Compliance Monitoring.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A-H PLATING (Continued)

1000128015

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1000128015
Registry ID: 110000898627
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110000898627>

EMI:

Year: 1990
County Code: 19
Air Basin: SC
Facility ID: 17812
Air District Name: SC
SIC Code: 3471
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 15
Reactive Organic Gases Tons/Yr: 2
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Year: 1993
County Code: 19
Air Basin: SC
Facility ID: 17812
Air District Name: SC
SIC Code: 3471
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 8
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Year: 1995
County Code: 19
Air Basin: SC
Facility ID: 17812
Air District Name: SC
SIC Code: 3471
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 8
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A-H PLATING (Continued)

1000128015

NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 1996
County Code: 19
Air Basin: SC
Facility ID: 17812
Air District Name: SC
SIC Code: 3471
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 6
Reactive Organic Gases Tons/Yr: 1
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 1997
County Code: 19
Air Basin: SC
Facility ID: 17812
Air District Name: SC
SIC Code: 3471
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1
Reactive Organic Gases Tons/Yr: 1
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 1998
County Code: 19
Air Basin: SC
Facility ID: 17812
Air District Name: SC
SIC Code: 3471
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1
Reactive Organic Gases Tons/Yr: 1
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 1999

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A-H PLATING (Continued)

1000128015

County Code: 19
Air Basin: SC
Facility ID: 17812
Air District Name: SC
SIC Code: 3471
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1
Reactive Organic Gases Tons/Yr: 1
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 2000
County Code: 19
Air Basin: SC
Facility ID: 17812
Air District Name: SC
SIC Code: 3471
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1
Reactive Organic Gases Tons/Yr: 1
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 2001
County Code: 19
Air Basin: SC
Facility ID: 17812
Air District Name: SC
SIC Code: 3471
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1
Reactive Organic Gases Tons/Yr: 1
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 2009
County Code: 19
Air Basin: SC
Facility ID: 17812
Air District Name: SC
SIC Code: 3471
Air District Name: SOUTH COAST AQMD

Map ID
Direction
Distance
Elevation

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Database(s)

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EPA ID Number

A-H PLATING (Continued)

1000128015

Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 7.6589254853456801E-2
Reactive Organic Gases Tons/Yr: 7.2419999999999998E-2
Carbon Monoxide Emissions Tons/Yr: 2.9999999999999999E-2
NOX - Oxides of Nitrogen Tons/Yr: 4.0000000000000001E-2
SOX - Oxides of Sulphur Tons/Yr: 2.6400000000000002E-4
Particulate Matter Tons/Yr: 6.5900000000000004E-3
Part. Matter 10 Micrometers and Smlr Tons/Yr: 6.1451800000000001E-3

Year: 2010
County Code: 19
Air Basin: SC
Facility ID: 17812
Air District Name: SC
SIC Code: 3471
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0.0269528394473172
Reactive Organic Gases Tons/Yr: 2.3210000000000001E-2
Carbon Monoxide Emissions Tons/Yr: 3.9059999999999997E-2
NOX - Oxides of Nitrogen Tons/Yr: 0.0465
SOX - Oxides of Sulphur Tons/Yr: 0.00027
Particulate Matter Tons/Yr: 0.00415
Part. Matter 10 Micrometers and Smlr Tons/Yr: 3.8409999999999998E-3

Year: 2011
County Code: 19
Air Basin: SC
Facility ID: 17812
Air District Name: SC
SIC Code: 3471
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0.062544967964
Reactive Organic Gases Tons/Yr: 0.06148
Carbon Monoxide Emissions Tons/Yr: 0.00351
NOX - Oxides of Nitrogen Tons/Yr: 0.00418
SOX - Oxides of Sulphur Tons/Yr: 2e-005
Particulate Matter Tons/Yr: 0.00208
Part. Matter 10 Micrometers and Smlr Tons/Yr: 0.0016227

ENF:

Region: 4
Facility Id: 203987
Agency Name: AH Plating Inc
Place Type: Facility
Place Subtype: Not reported
Facility Type: Not reported
Agency Type: Privately-Owned Business
Of Agencies: 1
Place Latitude: 34.19303
Place Longitude: -118.330737
SIC Code 1: Not reported
SIC Desc 1: Not reported

Map ID
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A-H PLATING (Continued)

1000128015

SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	WIP
Program Category1:	MONITORING
Program Category2:	MONITORING
# Of Programs:	1
WDID:	4WIP1040003
Reg Measure Id:	161814
Reg Measure Type:	Unregulated
Region:	4
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	06/17/2005
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	235114
Region:	4
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	Notice of Violation
Effective Date:	03/08/2001
Adoption/Issuance Date:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A-H PLATING (Continued)

1000128015

Achieve Date:	Not reported
Termination Date:	03/08/2001
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 4WIP1040003
Description:	Notice of Violation sent 3/8/01 for overdue chemical use questionnaire.
Program:	WIP
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	\$0.00
Initial Assessed Amount:	\$0.00
Liability \$ Amount:	\$0.00
Project \$ Amount:	\$0.00
Liability \$ Paid:	\$0.00
Project \$ Completed:	\$0.00
Total \$ Paid/Completed Amount:	\$0.00
Region:	4
Facility Id:	203987
Agency Name:	AH Plating Inc
Place Type:	Facility
Place Subtype:	Not reported
Facility Type:	Not reported
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	34.19303
Place Longitude:	-118.330737
SIC Code 1:	Not reported
SIC Desc 1:	Not reported
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	WIP
Program Category1:	MONITORING
Program Category2:	MONITORING
# Of Programs:	1
WDID:	4WIP1040003
Reg Measure Id:	161814

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A-H PLATING (Continued)

1000128015

Reg Measure Type:	Unregulated
Region:	4
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	06/17/2005
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	226374
Region:	4
Order / Resolution Number:	13267 Letter
Enforcement Action Type:	13267 Letter
Effective Date:	11/09/2000
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	11/09/2000
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 4WIP1040003
Description:	Not reported
Program:	WIP
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	\$0.00
Initial Assessed Amount:	\$0.00
Liability \$ Amount:	\$0.00
Project \$ Amount:	\$0.00
Liability \$ Paid:	\$0.00
Project \$ Completed:	\$0.00
Total \$ Paid/Completed Amount:	\$0.00

NPDES:

Npdes Number:	Not reported
Facility Status:	Not reported
Agency Id:	Not reported
Region:	4
Regulatory Measure Id:	190745
Order No:	Not reported
Regulatory Measure Type:	Industrial

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A-H PLATING (Continued)

1000128015

Place Id:	Not reported
WDID:	4 19I014697
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
RECEIVED DATE:	05/09/2008
PROCESSED DATE:	10/21/1998
STATUS CODE NAME:	Active
STATUS DATE:	10/21/1998
PLACE SIZE:	11000
PLACE SIZE UNIT:	SqFt
FACILITY CONTACT NAME:	Jessie Rivera
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	818-845-6243
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	Not reported
OPERATOR NAME:	AH Plating Inc
OPERATOR ADDRESS:	2117 W Empire Ave
OPERATOR CITY:	Burbank
OPERATOR STATE:	California
OPERATOR ZIP:	91504
OPERATOR CONTACT NAME:	Jessie Rivera
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	818-845-6243
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	Not reported
OPERATOR TYPE:	Private Business
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	California
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	818-845-6243
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A-H PLATING (Continued)

1000128015

CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	N
RECEIVING WATER NAME:	Not reported
CERTIFIER NAME:	Jessie Rivera
CERTIFIER TITLE:	General Manager
CERTIFICATION DATE:	10-MAR-15
PRIMARY SIC:	3471-Electroplating, Plating, Polishing, Anodizing, and Coloring
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported
Npdes Number:	CAS000001
Facility Status:	Active
Agency Id:	0
Region:	4
Regulatory Measure Id:	190745
Order No:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place Id:	Not reported
WDID:	4 19I014697
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	10/21/1998
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	AH Plating Inc
Discharge Address:	1837 N Victory Pl
Discharge City:	Burbank
Discharge State:	California
Discharge Zip:	91504
RECEIVED DATE:	Not reported
PROCESSED DATE:	Not reported
STATUS CODE NAME:	Not reported
STATUS DATE:	Not reported
PLACE SIZE:	Not reported
PLACE SIZE UNIT:	Not reported
FACILITY CONTACT NAME:	Not reported
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	Not reported
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	Not reported
OPERATOR NAME:	Not reported
OPERATOR ADDRESS:	Not reported
OPERATOR CITY:	Not reported
OPERATOR STATE:	Not reported
OPERATOR ZIP:	Not reported
OPERATOR CONTACT NAME:	Not reported
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	Not reported
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	Not reported
OPERATOR TYPE:	Not reported
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A-H PLATING (Continued)

1000128015

DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	Not reported
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	Not reported
RECEIVING WATER NAME:	Not reported
CERTIFIER NAME:	Not reported
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	Not reported
PRIMARY SIC:	Not reported
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported

WIP:

Region:	4
File Number:	104.0003
File Status:	Active
Staff:	MZAIDI
Facility Suite:	Not reported

CIWQS:

Agency:	AH Plating Inc
Agency Address:	1837 N Victory Pl, Burbank, CA 91504
Place/Project Type:	Industrial - Electroplating, Plating, Polishing, Anodizing, and Coloring
SIC/NAICS:	3471
Region:	4
Program:	INDSTW
Regulatory Measure Status:	Active
Regulatory Measure Type:	Storm water industrial
Order Number:	2014-0057-DWQ
WDID:	4 19I014697
NPDES Number:	CAS000001
Adoption Date:	Not reported
Effective Date:	10/21/1998
Termination Date:	Not reported
Expiration/Review Date:	Not reported
Design Flow:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A-H PLATING (Continued)

1000128015

Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	34.19303
Longitude:	-118.33074

Count: 0 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
NO SITES FOUND					

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 12/11/2017	Source: EPA
Date Data Arrived at EDR: 12/22/2017	Telephone: N/A
Date Made Active in Reports: 01/05/2018	Last EDR Contact: 05/30/2018
Number of Days to Update: 14	Next Scheduled EDR Contact: 07/16/2018
	Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 12/11/2017	Source: EPA
Date Data Arrived at EDR: 12/22/2017	Telephone: N/A
Date Made Active in Reports: 01/05/2018	Last EDR Contact: 05/30/2018
Number of Days to Update: 14	Next Scheduled EDR Contact: 07/16/2018
	Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991	Source: EPA
Date Data Arrived at EDR: 02/02/1994	Telephone: 202-564-4267
Date Made Active in Reports: 03/30/1994	Last EDR Contact: 08/15/2011
Number of Days to Update: 56	Next Scheduled EDR Contact: 11/28/2011
	Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal Delisted NPL site list

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 12/11/2017	Source: EPA
Date Data Arrived at EDR: 12/22/2017	Telephone: N/A
Date Made Active in Reports: 01/05/2018	Last EDR Contact: 05/30/2018
Number of Days to Update: 14	Next Scheduled EDR Contact: 07/16/2018
	Data Release Frequency: Quarterly

Federal CERCLIS list

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 11/07/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/05/2017	Telephone: 703-603-8704
Date Made Active in Reports: 04/07/2017	Last EDR Contact: 04/06/2018
Number of Days to Update: 92	Next Scheduled EDR Contact: 07/16/2018
	Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly known as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 01/09/2018	Source: EPA
Date Data Arrived at EDR: 02/06/2018	Telephone: 800-424-9346
Date Made Active in Reports: 04/13/2018	Last EDR Contact: 05/30/2018
Number of Days to Update: 66	Next Scheduled EDR Contact: 07/30/2018
	Data Release Frequency: Quarterly

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 01/09/2018	Source: EPA
Date Data Arrived at EDR: 02/06/2018	Telephone: 800-424-9346
Date Made Active in Reports: 04/13/2018	Last EDR Contact: 05/30/2018
Number of Days to Update: 66	Next Scheduled EDR Contact: 07/30/2018
	Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 12/11/2017	Source: EPA
Date Data Arrived at EDR: 12/26/2017	Telephone: 800-424-9346
Date Made Active in Reports: 02/09/2018	Last EDR Contact: 03/28/2018
Number of Days to Update: 45	Next Scheduled EDR Contact: 07/09/2018
	Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 12/11/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/26/2017	Telephone: (415) 495-8895
Date Made Active in Reports: 02/09/2018	Last EDR Contact: 03/28/2018
Number of Days to Update: 45	Next Scheduled EDR Contact: 07/09/2018
	Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 12/11/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/26/2017	Telephone: (415) 495-8895
Date Made Active in Reports: 02/09/2018	Last EDR Contact: 03/28/2018
Number of Days to Update: 45	Next Scheduled EDR Contact: 07/09/2018
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 12/11/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/26/2017	Telephone: (415) 495-8895
Date Made Active in Reports: 02/09/2018	Last EDR Contact: 03/28/2018
Number of Days to Update: 45	Next Scheduled EDR Contact: 07/09/2018
	Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 12/11/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/26/2017	Telephone: (415) 495-8895
Date Made Active in Reports: 02/09/2018	Last EDR Contact: 03/28/2018
Number of Days to Update: 45	Next Scheduled EDR Contact: 07/09/2018
	Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 02/16/2018	Source: Department of the Navy
Date Data Arrived at EDR: 02/22/2018	Telephone: 843-820-7326
Date Made Active in Reports: 05/11/2018	Last EDR Contact: 05/09/2018
Number of Days to Update: 78	Next Scheduled EDR Contact: 08/27/2018
	Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 02/13/2018	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/27/2018	Telephone: 703-603-0695
Date Made Active in Reports: 05/11/2018	Last EDR Contact: 05/29/2018
Number of Days to Update: 73	Next Scheduled EDR Contact: 09/10/2018
	Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 02/13/2018	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/27/2018	Telephone: 703-603-0695
Date Made Active in Reports: 05/11/2018	Last EDR Contact: 05/29/2018
Number of Days to Update: 73	Next Scheduled EDR Contact: 09/10/2018
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 01/16/2018
Date Data Arrived at EDR: 01/19/2018
Date Made Active in Reports: 03/23/2018
Number of Days to Update: 63

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 03/27/2018
Next Scheduled EDR Contact: 07/09/2018
Data Release Frequency: Quarterly

State- and tribal - equivalent NPL

RESPONSE: State Response Sites

Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.

Date of Government Version: 01/30/2018
Date Data Arrived at EDR: 01/31/2018
Date Made Active in Reports: 03/19/2018
Number of Days to Update: 47

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 05/02/2018
Next Scheduled EDR Contact: 08/13/2018
Data Release Frequency: Quarterly

State- and tribal - equivalent CERCLIS

ENVIROSTOR: EnviroStor Database

The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifies sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

Date of Government Version: 01/30/2018
Date Data Arrived at EDR: 01/31/2018
Date Made Active in Reports: 03/19/2018
Number of Days to Update: 47

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 05/02/2018
Next Scheduled EDR Contact: 08/13/2018
Data Release Frequency: Quarterly

State and tribal landfill and/or solid waste disposal site lists

SWF/LF (SWIS): Solid Waste Information System

Active, Closed and Inactive Landfills. SWF/LF records typically contain an inventory of solid waste disposal facilities or landfills. These may be active or inactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 02/12/2018
Date Data Arrived at EDR: 02/14/2018
Date Made Active in Reports: 04/03/2018
Number of Days to Update: 48

Source: Department of Resources Recycling and Recovery
Telephone: 916-341-6320
Last EDR Contact: 05/16/2018
Next Scheduled EDR Contact: 08/27/2018
Data Release Frequency: Quarterly

State and tribal leaking storage tank lists

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LUST REG 7: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Imperial, Riverside, San Diego, Santa Barbara counties.

Date of Government Version: 02/26/2004

Date Data Arrived at EDR: 02/26/2004

Date Made Active in Reports: 03/24/2004

Number of Days to Update: 27

Source: California Regional Water Quality Control Board Colorado River Basin Region (7)

Telephone: 760-776-8943

Last EDR Contact: 08/01/2011

Next Scheduled EDR Contact: 11/14/2011

Data Release Frequency: No Update Planned

LUST: Leaking Underground Fuel Tank Report (GEOTRACKER)

Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 03/12/2018

Date Data Arrived at EDR: 03/14/2018

Date Made Active in Reports: 03/21/2018

Number of Days to Update: 7

Source: State Water Resources Control Board

Telephone: see region list

Last EDR Contact: 03/14/2018

Next Scheduled EDR Contact: 06/25/2018

Data Release Frequency: Quarterly

LUST REG 9: Leaking Underground Storage Tank Report

Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 03/01/2001

Date Data Arrived at EDR: 04/23/2001

Date Made Active in Reports: 05/21/2001

Number of Days to Update: 28

Source: California Regional Water Quality Control Board San Diego Region (9)

Telephone: 858-637-5595

Last EDR Contact: 09/26/2011

Next Scheduled EDR Contact: 01/09/2012

Data Release Frequency: No Update Planned

LUST REG 8: Leaking Underground Storage Tanks

California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/14/2005

Date Data Arrived at EDR: 02/15/2005

Date Made Active in Reports: 03/28/2005

Number of Days to Update: 41

Source: California Regional Water Quality Control Board Santa Ana Region (8)

Telephone: 909-782-4496

Last EDR Contact: 08/15/2011

Next Scheduled EDR Contact: 11/28/2011

Data Release Frequency: Varies

LUST REG 6V: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Inyo, Kern, Los Angeles, Mono, San Bernardino counties.

Date of Government Version: 06/07/2005

Date Data Arrived at EDR: 06/07/2005

Date Made Active in Reports: 06/29/2005

Number of Days to Update: 22

Source: California Regional Water Quality Control Board Victorville Branch Office (6)

Telephone: 760-241-7365

Last EDR Contact: 09/12/2011

Next Scheduled EDR Contact: 12/26/2011

Data Release Frequency: No Update Planned

LUST REG 6L: Leaking Underground Storage Tank Case Listing

For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/09/2003

Date Data Arrived at EDR: 09/10/2003

Date Made Active in Reports: 10/07/2003

Number of Days to Update: 27

Source: California Regional Water Quality Control Board Lahontan Region (6)

Telephone: 530-542-5572

Last EDR Contact: 09/12/2011

Next Scheduled EDR Contact: 12/26/2011

Data Release Frequency: No Update Planned

LUST REG 5: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Alameda, Alpine, Amador, Butte, Colusa, Contra Costa, Calveras, El Dorado, Fresno, Glenn, Kern, Kings, Lake, Lassen, Madera, Mariposa, Merced, Modoc, Napa, Nevada, Placer, Plumas, Sacramento, San Joaquin, Shasta, Solano, Stanislaus, Sutter, Tehama, Tulare, Tuolumne, Yolo, Yuba counties.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 07/01/2008
Date Data Arrived at EDR: 07/22/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 9

Source: California Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-4834
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: No Update Planned

LUST REG 4: Underground Storage Tank Leak List

Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6710
Last EDR Contact: 09/06/2011
Next Scheduled EDR Contact: 12/19/2011
Data Release Frequency: No Update Planned

LUST REG 3: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Monterey, San Benito, San Luis Obispo, Santa Barbara, Santa Cruz counties.

Date of Government Version: 05/19/2003
Date Data Arrived at EDR: 05/19/2003
Date Made Active in Reports: 06/02/2003
Number of Days to Update: 14

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-542-4786
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

LUST REG 2: Fuel Leak List

Leaking Underground Storage Tank locations. Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, Sonoma counties.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-622-2433
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: Quarterly

LUST REG 1: Active Toxic Site Investigation

Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/01/2001
Date Data Arrived at EDR: 02/28/2001
Date Made Active in Reports: 03/29/2001
Number of Days to Update: 29

Source: California Regional Water Quality Control Board North Coast (1)
Telephone: 707-570-3769
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 10/12/2017
Date Data Arrived at EDR: 01/23/2018
Date Made Active in Reports: 04/13/2018
Number of Days to Update: 80

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 05/18/2018
Next Scheduled EDR Contact: 08/06/2018
Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 09/30/2017
Date Data Arrived at EDR: 01/23/2018
Date Made Active in Reports: 04/13/2018
Number of Days to Update: 80

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 05/18/2018
Next Scheduled EDR Contact: 08/06/2018
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 10/24/2017	Source: EPA Region 10
Date Data Arrived at EDR: 01/23/2018	Telephone: 206-553-2857
Date Made Active in Reports: 04/13/2018	Last EDR Contact: 05/18/2018
Number of Days to Update: 80	Next Scheduled EDR Contact: 08/06/2018
	Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 10/14/2017	Source: EPA Region 1
Date Data Arrived at EDR: 01/23/2018	Telephone: 617-918-1313
Date Made Active in Reports: 04/13/2018	Last EDR Contact: 05/18/2018
Number of Days to Update: 80	Next Scheduled EDR Contact: 08/06/2018
	Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 10/14/2017	Source: EPA Region 4
Date Data Arrived at EDR: 01/23/2018	Telephone: 404-562-8677
Date Made Active in Reports: 04/13/2018	Last EDR Contact: 05/16/2018
Number of Days to Update: 80	Next Scheduled EDR Contact: 08/06/2018
	Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 01/06/2018	Source: EPA Region 6
Date Data Arrived at EDR: 01/23/2018	Telephone: 214-665-6597
Date Made Active in Reports: 04/13/2018	Last EDR Contact: 05/18/2018
Number of Days to Update: 80	Next Scheduled EDR Contact: 08/06/2018
	Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 10/16/2017	Source: EPA, Region 5
Date Data Arrived at EDR: 01/23/2018	Telephone: 312-886-7439
Date Made Active in Reports: 04/13/2018	Last EDR Contact: 05/18/2018
Number of Days to Update: 80	Next Scheduled EDR Contact: 08/06/2018
	Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 10/12/2017	Source: EPA Region 7
Date Data Arrived at EDR: 01/23/2018	Telephone: 913-551-7003
Date Made Active in Reports: 04/13/2018	Last EDR Contact: 05/18/2018
Number of Days to Update: 80	Next Scheduled EDR Contact: 08/06/2018
	Data Release Frequency: Varies

CPS-SLIC: Statewide SLIC Cases (GEOTRACKER)

Cleanup Program Sites (CPS; also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 03/12/2018	Source: State Water Resources Control Board
Date Data Arrived at EDR: 03/14/2018	Telephone: 866-480-1028
Date Made Active in Reports: 03/21/2018	Last EDR Contact: 12/12/2018
Number of Days to Update: 7	Next Scheduled EDR Contact: 06/25/2018
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SLIC REG 1: Active Toxic Site Investigations

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2003
Date Data Arrived at EDR: 04/07/2003
Date Made Active in Reports: 04/25/2003
Number of Days to Update: 18

Source: California Regional Water Quality Control Board, North Coast Region (1)
Telephone: 707-576-2220
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: Quarterly

SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/18/2006
Date Data Arrived at EDR: 05/18/2006
Date Made Active in Reports: 06/15/2006
Number of Days to Update: 28

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: Semi-Annually

SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/17/2004
Date Data Arrived at EDR: 11/18/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 47

Source: Region Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6600
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: Varies

SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/01/2005
Date Data Arrived at EDR: 04/05/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 16

Source: Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-3291
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: Semi-Annually

SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/24/2005
Date Data Arrived at EDR: 05/25/2005
Date Made Active in Reports: 06/16/2005
Number of Days to Update: 22

Source: Regional Water Quality Control Board, Victorville Branch
Telephone: 619-241-6583
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SLIC REG 6L: SLIC Sites

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board, Lahontan Region
Telephone: 530-542-5574
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 7: SLIC List

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/24/2004
Date Data Arrived at EDR: 11/29/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 36

Source: California Regional Quality Control Board, Colorado River Basin Region
Telephone: 760-346-7491
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2008
Date Data Arrived at EDR: 04/03/2008
Date Made Active in Reports: 04/14/2008
Number of Days to Update: 11

Source: California Region Water Quality Control Board Santa Ana Region (8)
Telephone: 951-782-3298
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: Semi-Annually

SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/10/2007
Date Data Arrived at EDR: 09/11/2007
Date Made Active in Reports: 09/28/2007
Number of Days to Update: 17

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980
Last EDR Contact: 08/08/2011
Next Scheduled EDR Contact: 11/21/2011
Data Release Frequency: Annually

State and tribal registered storage tank lists

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 05/15/2017
Date Data Arrived at EDR: 05/30/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 136

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 04/13/2018
Next Scheduled EDR Contact: 07/23/2018
Data Release Frequency: Varies

UST CLOSURE: Proposed Closure of Underground Storage Tank (UST) Cases

UST cases that are being considered for closure by either the State Water Resources Control Board or the Executive Director have been posted for a 60-day public comment period. UST Case Closures being proposed for consideration by the State Water Resources Control Board. These are primarily UST cases that meet closure criteria under the decisional framework in State Water Board Resolution No. 92-49 and other Board orders. UST Case Closures proposed for consideration by the Executive Director pursuant to State Water Board Resolution No. 2012-0061. These are cases that meet the criteria of the Low-Threat UST Case Closure Policy. UST Case Closure Review Denials and Approved Orders.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 03/08/2018
Date Data Arrived at EDR: 03/14/2018
Date Made Active in Reports: 05/04/2018
Number of Days to Update: 51

Source: State Water Resources Control Board
Telephone: 916-327-7844
Last EDR Contact: 03/14/2018
Next Scheduled EDR Contact: 06/25/2018
Data Release Frequency: Varies

MILITARY UST SITES: Military UST Sites (GEOTRACKER)

Military ust sites

Date of Government Version: 03/12/2018
Date Data Arrived at EDR: 03/14/2018
Date Made Active in Reports: 05/04/2018
Number of Days to Update: 51

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 06/25/2018
Data Release Frequency: Varies

UST: Active UST Facilities

Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 03/12/2018
Date Data Arrived at EDR: 03/14/2018
Date Made Active in Reports: 03/29/2018
Number of Days to Update: 15

Source: SWRCB
Telephone: 916-341-5851
Last EDR Contact: 03/14/2018
Next Scheduled EDR Contact: 06/25/2018
Data Release Frequency: Semi-Annually

AST: Aboveground Petroleum Storage Tank Facilities

A listing of aboveground storage tank petroleum storage tank locations.

Date of Government Version: 07/06/2016
Date Data Arrived at EDR: 07/12/2016
Date Made Active in Reports: 09/19/2016
Number of Days to Update: 69

Source: California Environmental Protection Agency
Telephone: 916-327-5092
Last EDR Contact: 03/21/2018
Next Scheduled EDR Contact: 07/09/2018
Data Release Frequency: Quarterly

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 10/14/2017
Date Data Arrived at EDR: 01/23/2018
Date Made Active in Reports: 04/13/2018
Number of Days to Update: 80

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 05/18/2018
Next Scheduled EDR Contact: 08/06/2018
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 10/12/2017
Date Data Arrived at EDR: 01/23/2018
Date Made Active in Reports: 04/13/2018
Number of Days to Update: 80

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 05/18/2018
Next Scheduled EDR Contact: 08/06/2018
Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 01/13/2018
Date Data Arrived at EDR: 01/23/2018
Date Made Active in Reports: 04/13/2018
Number of Days to Update: 80

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 05/18/2018
Next Scheduled EDR Contact: 08/06/2018
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 04/24/2017	Source: EPA Region 6
Date Data Arrived at EDR: 07/27/2017	Telephone: 214-665-7591
Date Made Active in Reports: 12/08/2017	Last EDR Contact: 05/18/2018
Number of Days to Update: 134	Next Scheduled EDR Contact: 08/06/2018
	Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 09/30/2017	Source: EPA Region 9
Date Data Arrived at EDR: 01/23/2018	Telephone: 415-972-3368
Date Made Active in Reports: 04/13/2018	Last EDR Contact: 05/18/2018
Number of Days to Update: 80	Next Scheduled EDR Contact: 08/06/2018
	Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 10/24/2017	Source: EPA Region 10
Date Data Arrived at EDR: 01/23/2018	Telephone: 206-553-2857
Date Made Active in Reports: 04/13/2018	Last EDR Contact: 05/18/2018
Number of Days to Update: 80	Next Scheduled EDR Contact: 08/06/2018
	Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations).

Date of Government Version: 10/14/2017	Source: EPA Region 4
Date Data Arrived at EDR: 01/23/2018	Telephone: 404-562-9424
Date Made Active in Reports: 04/13/2018	Last EDR Contact: 05/16/2018
Number of Days to Update: 80	Next Scheduled EDR Contact: 08/06/2018
	Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 10/16/2017	Source: EPA Region 5
Date Data Arrived at EDR: 01/23/2018	Telephone: 312-886-6136
Date Made Active in Reports: 04/13/2018	Last EDR Contact: 05/18/2018
Number of Days to Update: 80	Next Scheduled EDR Contact: 08/06/2018
	Data Release Frequency: Varies

State and tribal voluntary cleanup sites

INDIAN VCP R7: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008	Source: EPA, Region 7
Date Data Arrived at EDR: 04/22/2008	Telephone: 913-551-7365
Date Made Active in Reports: 05/19/2008	Last EDR Contact: 04/20/2009
Number of Days to Update: 27	Next Scheduled EDR Contact: 07/20/2009
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015
Date Data Arrived at EDR: 09/29/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 142

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 03/21/2018
Next Scheduled EDR Contact: 07/09/2018
Data Release Frequency: Varies

VCP: Voluntary Cleanup Program Properties

Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

Date of Government Version: 01/30/2018
Date Data Arrived at EDR: 01/31/2018
Date Made Active in Reports: 03/19/2018
Number of Days to Update: 47

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 05/02/2018
Next Scheduled EDR Contact: 08/13/2018
Data Release Frequency: Quarterly

State and tribal Brownfields sites

BROWNFIELDS: Considered Brownfields Sites Listing

A listing of sites the SWRCB considers to be Brownfields since these are sites have come to them through the MOA Process.

Date of Government Version: 03/26/2018
Date Data Arrived at EDR: 03/27/2018
Date Made Active in Reports: 05/04/2018
Number of Days to Update: 38

Source: State Water Resources Control Board
Telephone: 916-323-7905
Last EDR Contact: 03/27/2018
Next Scheduled EDR Contact: 07/09/2018
Data Release Frequency: Quarterly

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 01/19/2018
Date Data Arrived at EDR: 01/19/2018
Date Made Active in Reports: 02/09/2018
Number of Days to Update: 21

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 03/21/2018
Next Scheduled EDR Contact: 07/02/2018
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT: Waste Management Unit Database

Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 04/01/2000
Date Data Arrived at EDR: 04/10/2000
Date Made Active in Reports: 05/10/2000
Number of Days to Update: 30

Source: State Water Resources Control Board
Telephone: 916-227-4448
Last EDR Contact: 05/03/2018
Next Scheduled EDR Contact: 08/13/2018
Data Release Frequency: No Update Planned

SWRCY: Recycler Database

A listing of recycling facilities in California.

Date of Government Version: 03/12/2018
Date Data Arrived at EDR: 03/14/2018
Date Made Active in Reports: 05/04/2018
Number of Days to Update: 51

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 03/14/2018
Next Scheduled EDR Contact: 06/25/2018
Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing

A listing of registered waste tire haulers.

Date of Government Version: 02/08/2018
Date Data Arrived at EDR: 02/09/2018
Date Made Active in Reports: 03/20/2018
Number of Days to Update: 39

Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 05/22/2018
Next Scheduled EDR Contact: 08/27/2018
Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 01/30/2018
Next Scheduled EDR Contact: 05/14/2018
Data Release Frequency: Varies

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 04/18/2018
Next Scheduled EDR Contact: 08/06/2018
Data Release Frequency: No Update Planned

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land

A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 08/06/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 176

Source: Department of Health & Human Services, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 05/04/2018
Next Scheduled EDR Contact: 08/13/2018
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 02/22/2018
Date Data Arrived at EDR: 03/01/2018
Date Made Active in Reports: 05/11/2018
Number of Days to Update: 71

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 05/30/2018
Next Scheduled EDR Contact: 09/10/2018
Data Release Frequency: No Update Planned

HIST CAL-SITES: Calsites Database

The Calsites database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Calsites database. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

Date of Government Version: 08/08/2005
Date Data Arrived at EDR: 08/03/2006
Date Made Active in Reports: 08/24/2006
Number of Days to Update: 21

Source: Department of Toxic Substance Control
Telephone: 916-323-3400
Last EDR Contact: 02/23/2009
Next Scheduled EDR Contact: 05/25/2009
Data Release Frequency: No Update Planned

SCH: School Property Evaluation Program

This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category depending on the level of threat to public health and safety or the environment they pose.

Date of Government Version: 01/30/2018
Date Data Arrived at EDR: 01/31/2018
Date Made Active in Reports: 03/19/2018
Number of Days to Update: 47

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 05/02/2018
Next Scheduled EDR Contact: 08/13/2018
Data Release Frequency: Quarterly

CDL: Clandestine Drug Labs

A listing of drug lab locations. Listing of a location in this database does not indicate that any illegal drug lab materials were or were not present there, and does not constitute a determination that the location either requires or does not require additional cleanup work.

Date of Government Version: 06/30/2017
Date Data Arrived at EDR: 08/18/2017
Date Made Active in Reports: 09/21/2017
Number of Days to Update: 34

Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 05/30/2018
Next Scheduled EDR Contact: 07/23/2018
Data Release Frequency: Varies

TOXIC PITS: Toxic Pits Cleanup Act Sites

Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

Date of Government Version: 07/01/1995
Date Data Arrived at EDR: 08/30/1995
Date Made Active in Reports: 09/26/1995
Number of Days to Update: 27

Source: State Water Resources Control Board
Telephone: 916-227-4364
Last EDR Contact: 01/26/2009
Next Scheduled EDR Contact: 04/27/2009
Data Release Frequency: No Update Planned

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 02/22/2018
Date Data Arrived at EDR: 03/01/2018
Date Made Active in Reports: 05/11/2018
Number of Days to Update: 71

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 05/30/2018
Next Scheduled EDR Contact: 09/10/2018
Data Release Frequency: Quarterly

Local Lists of Registered Storage Tanks

SWEEPS UST: SWEEPS UST Listing

Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

Date of Government Version: 06/01/1994
Date Data Arrived at EDR: 07/07/2005
Date Made Active in Reports: 08/11/2005
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/03/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

UST MENDOCINO: Mendocino County UST Database

A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 02/28/2018
Date Data Arrived at EDR: 03/01/2018
Date Made Active in Reports: 03/28/2018
Number of Days to Update: 27

Source: Department of Public Health
Telephone: 707-463-4466
Last EDR Contact: 05/22/2018
Next Scheduled EDR Contact: 09/10/2018
Data Release Frequency: Annually

HIST UST: Hazardous Substance Storage Container Database

The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county source for current data.

Date of Government Version: 10/15/1990
Date Data Arrived at EDR: 01/25/1991
Date Made Active in Reports: 02/12/1991
Number of Days to Update: 18

Source: State Water Resources Control Board
Telephone: 916-341-5851
Last EDR Contact: 07/26/2001
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SAN FRANCISCO AST: Aboveground Storage Tank Site Listing

Aboveground storage tank sites

Date of Government Version: 04/19/2018
Date Data Arrived at EDR: 04/24/2018
Date Made Active in Reports: 05/04/2018
Number of Days to Update: 10

Source: San Francisco County Department of Public Health
Telephone: 415-252-3896
Last EDR Contact: 05/02/2018
Next Scheduled EDR Contact: 08/20/2018
Data Release Frequency: Varies

CA FID UST: Facility Inventory Database

The Facility Inventory Database (FID) contains a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board. Refer to local/county source for current data.

Date of Government Version: 10/31/1994
Date Data Arrived at EDR: 09/05/1995
Date Made Active in Reports: 09/29/1995
Number of Days to Update: 24

Source: California Environmental Protection Agency
Telephone: 916-341-5851
Last EDR Contact: 12/28/1998
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Local Land Records

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LIENS: Environmental Liens Listing

A listing of property locations with environmental liens for California where DTSC is a lien holder.

Date of Government Version: 01/28/2018
Date Data Arrived at EDR: 03/01/2018
Date Made Active in Reports: 04/16/2018
Number of Days to Update: 46

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 05/31/2018
Next Scheduled EDR Contact: 09/17/2018
Data Release Frequency: Varies

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 01/09/2018
Date Data Arrived at EDR: 02/06/2018
Date Made Active in Reports: 05/11/2018
Number of Days to Update: 94

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 05/30/2018
Next Scheduled EDR Contact: 08/06/2018
Data Release Frequency: Semi-Annually

DEED: Deed Restriction Listing

Site Mitigation and Brownfields Reuse Program Facility Sites with Deed Restrictions & Hazardous Waste Management Program Facility Sites with Deed / Land Use Restriction. The DTSC Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents deed restrictions that are active. Some sites have multiple deed restrictions. The DTSC Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Date of Government Version: 02/08/2018
Date Data Arrived at EDR: 02/08/2018
Date Made Active in Reports: 02/08/2018
Number of Days to Update: 0

Source: DTSC and SWRCB
Telephone: 916-323-3400
Last EDR Contact: 03/06/2018
Next Scheduled EDR Contact: 06/18/2018
Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 01/19/2018
Date Data Arrived at EDR: 01/19/2018
Date Made Active in Reports: 03/23/2018
Number of Days to Update: 63

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 03/27/2018
Next Scheduled EDR Contact: 07/09/2018
Data Release Frequency: Quarterly

CHMIRS: California Hazardous Material Incident Report System

California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 02/15/2018
Date Data Arrived at EDR: 02/20/2018
Date Made Active in Reports: 04/03/2018
Number of Days to Update: 42

Source: Office of Emergency Services
Telephone: 916-845-8400
Last EDR Contact: 04/24/2018
Next Scheduled EDR Contact: 08/06/2018
Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LDS: Land Disposal Sites Listing (GEOTRACKER)

Land Disposal sites (Landfills) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 03/12/2018	Source: State Water Quality Control Board
Date Data Arrived at EDR: 03/14/2018	Telephone: 866-480-1028
Date Made Active in Reports: 05/04/2018	Last EDR Contact: 12/12/2018
Number of Days to Update: 51	Next Scheduled EDR Contact: 06/25/2018
	Data Release Frequency: Quarterly

MCS: Military Cleanup Sites Listing (GEOTRACKER)

Military sites (consisting of: Military UST sites; Military Privatized sites; and Military Cleanup sites [formerly known as DoD non UST]) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 03/12/2018	Source: State Water Resources Control Board
Date Data Arrived at EDR: 03/14/2018	Telephone: 866-480-1028
Date Made Active in Reports: 03/21/2018	Last EDR Contact: 12/12/2018
Number of Days to Update: 7	Next Scheduled EDR Contact: 06/25/2018
	Data Release Frequency: Quarterly

SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 06/06/2012	Source: FirstSearch
Date Data Arrived at EDR: 01/03/2013	Telephone: N/A
Date Made Active in Reports: 02/22/2013	Last EDR Contact: 01/03/2013
Number of Days to Update: 50	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 12/11/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/26/2017	Telephone: (415) 495-8895
Date Made Active in Reports: 02/09/2018	Last EDR Contact: 03/28/2018
Number of Days to Update: 45	Next Scheduled EDR Contact: 07/09/2018
	Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 01/31/2015	Source: U.S. Army Corps of Engineers
Date Data Arrived at EDR: 07/08/2015	Telephone: 202-528-4285
Date Made Active in Reports: 10/13/2015	Last EDR Contact: 05/25/2018
Number of Days to Update: 97	Next Scheduled EDR Contact: 09/03/2018
	Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 04/13/2018
Next Scheduled EDR Contact: 07/23/2018
Data Release Frequency: Semi-Annually

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 02/06/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 339

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 04/11/2018
Next Scheduled EDR Contact: 07/23/2018
Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 01/01/2017
Date Data Arrived at EDR: 02/03/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 63

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 05/15/2018
Next Scheduled EDR Contact: 08/27/2018
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 01/11/2018
Date Data Arrived at EDR: 01/19/2018
Date Made Active in Reports: 03/02/2018
Number of Days to Update: 42

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 03/27/2018
Next Scheduled EDR Contact: 07/09/2018
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 05/07/2018
Next Scheduled EDR Contact: 08/20/2018
Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 04/22/2013
Date Data Arrived at EDR: 03/03/2015
Date Made Active in Reports: 03/09/2015
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 05/08/2018
Next Scheduled EDR Contact: 08/20/2018
Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 06/21/2017
Date Made Active in Reports: 01/05/2018
Number of Days to Update: 198

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 03/23/2018
Next Scheduled EDR Contact: 07/02/2018
Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 01/10/2018
Date Made Active in Reports: 01/12/2018
Number of Days to Update: 2

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 05/25/2018
Next Scheduled EDR Contact: 09/03/2018
Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 12/10/2010
Date Made Active in Reports: 02/25/2011
Number of Days to Update: 77

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 04/09/2018
Next Scheduled EDR Contact: 08/06/2018
Data Release Frequency: Annually

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 01/09/2018
Date Data Arrived at EDR: 02/06/2018
Date Made Active in Reports: 05/11/2018
Number of Days to Update: 94

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 05/30/2018
Next Scheduled EDR Contact: 09/17/2018
Data Release Frequency: Annually

RMP: Risk Management Plans

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 11/02/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/17/2017	Telephone: 202-564-8600
Date Made Active in Reports: 12/08/2017	Last EDR Contact: 04/20/2018
Number of Days to Update: 21	Next Scheduled EDR Contact: 08/06/2018
	Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995	Source: EPA
Date Data Arrived at EDR: 07/03/1995	Telephone: 202-564-4104
Date Made Active in Reports: 08/07/1995	Last EDR Contact: 06/02/2008
Number of Days to Update: 35	Next Scheduled EDR Contact: 09/01/2008
	Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 10/25/2013	Source: EPA
Date Data Arrived at EDR: 10/17/2014	Telephone: 202-564-6023
Date Made Active in Reports: 10/20/2014	Last EDR Contact: 05/30/2018
Number of Days to Update: 3	Next Scheduled EDR Contact: 08/20/2018
	Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 06/01/2017	Source: EPA
Date Data Arrived at EDR: 06/09/2017	Telephone: 202-566-0500
Date Made Active in Reports: 10/13/2017	Last EDR Contact: 04/13/2018
Number of Days to Update: 126	Next Scheduled EDR Contact: 07/23/2018
	Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/23/2016	Telephone: 202-564-2501
Date Made Active in Reports: 02/10/2017	Last EDR Contact: 04/09/2018
Number of Days to Update: 79	Next Scheduled EDR Contact: 07/23/2018
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: Quarterly

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 08/30/2016
Date Data Arrived at EDR: 09/08/2016
Date Made Active in Reports: 10/21/2016
Number of Days to Update: 43

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 05/03/2018
Next Scheduled EDR Contact: 08/20/2018
Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 08/07/2009
Date Made Active in Reports: 10/22/2009
Number of Days to Update: 76

Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 03/09/2018
Next Scheduled EDR Contact: 06/18/2018
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 07/01/2014
Date Data Arrived at EDR: 09/10/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 03/06/2018
Next Scheduled EDR Contact: 06/18/2018
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database

The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 05/24/2017
Date Data Arrived at EDR: 11/30/2017
Date Made Active in Reports: 12/15/2017
Number of Days to Update: 15

Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 04/27/2018
Next Scheduled EDR Contact: 08/06/2018
Data Release Frequency: Varies

RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 01/03/2018
Date Data Arrived at EDR: 01/04/2018
Date Made Active in Reports: 04/13/2018
Number of Days to Update: 99

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 04/05/2018
Next Scheduled EDR Contact: 07/16/2018
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data

Department of Transportation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 07/31/2012
Date Data Arrived at EDR: 08/07/2012
Date Made Active in Reports: 09/18/2012
Number of Days to Update: 42

Source: Department of Transportation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 05/03/2018
Next Scheduled EDR Contact: 08/13/2018
Data Release Frequency: Varies

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 01/24/2018
Date Made Active in Reports: 04/13/2018
Number of Days to Update: 79

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 04/06/2018
Next Scheduled EDR Contact: 07/02/2018
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2015
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 09/28/2017
Number of Days to Update: 218

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 05/25/2018
Next Scheduled EDR Contact: 09/03/2018
Data Release Frequency: Biennially

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014	Source: USGS
Date Data Arrived at EDR: 07/14/2015	Telephone: 202-208-3710
Date Made Active in Reports: 01/10/2017	Last EDR Contact: 04/11/2018
Number of Days to Update: 546	Next Scheduled EDR Contact: 07/23/2018
	Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 12/23/2016	Source: Department of Energy
Date Data Arrived at EDR: 12/27/2016	Telephone: 202-586-3559
Date Made Active in Reports: 02/17/2017	Last EDR Contact: 05/07/2018
Number of Days to Update: 52	Next Scheduled EDR Contact: 08/20/2018
	Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 06/23/2017	Source: Department of Energy
Date Data Arrived at EDR: 10/11/2017	Telephone: 505-845-0011
Date Made Active in Reports: 11/03/2017	Last EDR Contact: 05/18/2018
Number of Days to Update: 23	Next Scheduled EDR Contact: 09/03/2018
	Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 01/09/2018	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/06/2018	Telephone: 703-603-8787
Date Made Active in Reports: 03/02/2018	Last EDR Contact: 05/30/2018
Number of Days to Update: 24	Next Scheduled EDR Contact: 07/16/2018
	Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931 and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001	Source: American Journal of Public Health
Date Data Arrived at EDR: 10/27/2010	Telephone: 703-305-6451
Date Made Active in Reports: 12/02/2010	Last EDR Contact: 12/02/2009
Number of Days to Update: 36	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data A listing of minor source facilities.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 01/25/2018
Date Data Arrived at EDR: 02/28/2018
Date Made Active in Reports: 05/11/2018
Number of Days to Update: 72

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 05/31/2018
Next Scheduled EDR Contact: 09/10/2018
Data Release Frequency: Semi-Annually

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 12/05/2005
Date Data Arrived at EDR: 02/29/2008
Date Made Active in Reports: 04/18/2008
Number of Days to Update: 49

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 05/30/2018
Next Scheduled EDR Contact: 09/10/2018
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 05/30/2018
Next Scheduled EDR Contact: 09/10/2018
Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 12/20/2017
Date Data Arrived at EDR: 12/21/2017
Date Made Active in Reports: 03/23/2018
Number of Days to Update: 92

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 03/07/2018
Next Scheduled EDR Contact: 06/25/2018
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 02/21/2018	Source: EPA
Date Data Arrived at EDR: 02/23/2018	Telephone: (415) 947-8000
Date Made Active in Reports: 03/23/2018	Last EDR Contact: 02/23/2018
Number of Days to Update: 28	Next Scheduled EDR Contact: 06/18/2018
	Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 09/30/2016	Source: Department of Defense
Date Data Arrived at EDR: 10/31/2017	Telephone: 703-704-1564
Date Made Active in Reports: 01/12/2018	Last EDR Contact: 04/13/2018
Number of Days to Update: 73	Next Scheduled EDR Contact: 07/30/2018
	Data Release Frequency: Varies

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 01/13/2018	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/19/2018	Telephone: 202-564-2280
Date Made Active in Reports: 03/02/2018	Last EDR Contact: 03/07/2018
Number of Days to Update: 42	Next Scheduled EDR Contact: 06/18/2018
	Data Release Frequency: Quarterly

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 01/04/2018	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/19/2018	Telephone: 202-564-0527
Date Made Active in Reports: 04/13/2018	Last EDR Contact: 06/01/2018
Number of Days to Update: 84	Next Scheduled EDR Contact: 09/10/2018
	Data Release Frequency: Varies

FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 02/20/2018	Source: EPA
Date Data Arrived at EDR: 02/21/2018	Telephone: 800-385-6164
Date Made Active in Reports: 03/23/2018	Last EDR Contact: 05/23/2018
Number of Days to Update: 30	Next Scheduled EDR Contact: 09/03/2018
	Data Release Frequency: Quarterly

CA BOND EXP. PLAN: Bond Expenditure Plan

Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/1989	Source: Department of Health Services
Date Data Arrived at EDR: 07/27/1994	Telephone: 916-255-2118
Date Made Active in Reports: 08/02/1994	Last EDR Contact: 05/31/1994
Number of Days to Update: 6	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CORTESE: "Cortese" Hazardous Waste & Substances Sites List

The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

Date of Government Version: 03/26/2018	Source: CAL EPA/Office of Emergency Information
Date Data Arrived at EDR: 03/27/2018	Telephone: 916-323-3400
Date Made Active in Reports: 05/04/2018	Last EDR Contact: 03/27/2018
Number of Days to Update: 38	Next Scheduled EDR Contact: 07/09/2018
	Data Release Frequency: Quarterly

CUPA LIVERMORE-PLEASANTON: CUPA LIVERMORE-PLEASANTON

list of facilities associated with the various CUPA programs in Livermore-Pleasanton

Date of Government Version: 02/28/2018	Source: Livermore-Pleasanton Fire Department
Date Data Arrived at EDR: 03/01/2018	Telephone: 925-454-2361
Date Made Active in Reports: 05/04/2018	Last EDR Contact: 05/07/2018
Number of Days to Update: 64	Next Scheduled EDR Contact: 08/27/2018
	Data Release Frequency: Varies

CUPA SAN FRANCISCO CO: CUPA SAN FRANCISCO CO

Cupa facilities

Date of Government Version: 04/20/2018	Source: San Francisco County Department of Environmental Health
Date Data Arrived at EDR: 04/24/2018	Telephone: 415-252-3896
Date Made Active in Reports: 05/04/2018	Last EDR Contact: 05/02/2018
Number of Days to Update: 10	Next Scheduled EDR Contact: 08/20/2018
	Data Release Frequency: Varies

DRYCLEAN AVAQMD: DRYCLEAN AVAQMD

A listing of dry cleaners in the Antelope Valley Air Quality Management District.

Date of Government Version: 03/08/2018	Source: Antelope Valley Air Quality Management District
Date Data Arrived at EDR: 03/13/2018	Telephone: 661-723-8070
Date Made Active in Reports: 05/04/2018	Last EDR Contact: 05/30/2018
Number of Days to Update: 52	Next Scheduled EDR Contact: 09/17/2018
	Data Release Frequency: Varies

DRYCLEANERS: Cleaner Facilities

A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaner's agents; linen supply; coin-operated laundries and cleaning; drycleaning plants, except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

Date of Government Version: 03/27/2018	Source: Department of Toxic Substance Control
Date Data Arrived at EDR: 03/29/2018	Telephone: 916-327-4498
Date Made Active in Reports: 05/04/2018	Last EDR Contact: 05/30/2018
Number of Days to Update: 36	Next Scheduled EDR Contact: 09/17/2018
	Data Release Frequency: Annually

DRYCLEAN SOUTH COAST: DRYCLEAN SOUTH COAST

A listing of dry cleaners in the South Coast Air Quality Management District

Date of Government Version: 03/16/2018	Source: South Coast Air Quality Management District
Date Data Arrived at EDR: 03/20/2018	Telephone: 909-396-3211
Date Made Active in Reports: 05/04/2018	Last EDR Contact: 05/22/2018
Number of Days to Update: 45	Next Scheduled EDR Contact: 09/10/2018
	Data Release Frequency: Varies

EMI: Emissions Inventory Data

Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2015
Date Data Arrived at EDR: 03/21/2017
Date Made Active in Reports: 08/15/2017
Number of Days to Update: 147

Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 03/23/2018
Next Scheduled EDR Contact: 07/02/2018
Data Release Frequency: Varies

ENF: Enforcement Action Listing

A listing of Water Board Enforcement Actions. Formal is everything except Oral/Verbal Communication, Notice of Violation, Expedited Payment Letter, and Staff Enforcement Letter.

Date of Government Version: 01/22/2018
Date Data Arrived at EDR: 01/24/2018
Date Made Active in Reports: 03/19/2018
Number of Days to Update: 54

Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 04/18/2018
Next Scheduled EDR Contact: 08/06/2018
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing

Financial Assurance information

Date of Government Version: 01/22/2018
Date Data Arrived at EDR: 01/24/2018
Date Made Active in Reports: 03/20/2018
Number of Days to Update: 55

Source: Department of Toxic Substances Control
Telephone: 916-255-3628
Last EDR Contact: 04/18/2018
Next Scheduled EDR Contact: 08/06/2018
Data Release Frequency: Varies

Financial Assurance 2: Financial Assurance Information Listing

A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 02/14/2018
Date Data Arrived at EDR: 02/16/2018
Date Made Active in Reports: 04/03/2018
Number of Days to Update: 46

Source: California Integrated Waste Management Board
Telephone: 916-341-6066
Last EDR Contact: 05/09/2018
Next Scheduled EDR Contact: 08/27/2018
Data Release Frequency: Varies

HAZNET: Facility and Manifest Data

Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method. This database begins with calendar year 1993.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 07/12/2017
Date Made Active in Reports: 10/17/2017
Number of Days to Update: 97

Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 04/12/2018
Next Scheduled EDR Contact: 07/23/2018
Data Release Frequency: Annually

ICE: ICE

Contains data pertaining to the Permitted Facilities with Inspections / Enforcements sites tracked in Envirositor.

Date of Government Version: 02/20/2018
Date Data Arrived at EDR: 02/21/2018
Date Made Active in Reports: 04/03/2018
Number of Days to Update: 41

Source: Department of Toxic Substances Control
Telephone: 877-786-9427
Last EDR Contact: 05/23/2018
Next Scheduled EDR Contact: 09/03/2018
Data Release Frequency: Quarterly

HIST CORTESE: Hazardous Waste & Substance Site List

The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 04/01/2001
Date Data Arrived at EDR: 01/22/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 76

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/22/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

HWP: EnviroStor Permitted Facilities Listing

Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

Date of Government Version: 02/20/2018
Date Data Arrived at EDR: 02/21/2018
Date Made Active in Reports: 04/03/2018
Number of Days to Update: 41

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 05/23/2018
Next Scheduled EDR Contact: 09/03/2018
Data Release Frequency: Quarterly

HWT: Registered Hazardous Waste Transporter Database

A listing of hazardous waste transporters. In California, unless specifically exempted, it is unlawful for any person to transport hazardous wastes unless the person holds a valid registration issued by DTSC. A hazardous waste transporter registration is valid for one year and is assigned a unique registration number.

Date of Government Version: 01/08/2018
Date Data Arrived at EDR: 01/09/2018
Date Made Active in Reports: 02/06/2018
Number of Days to Update: 28

Source: Department of Toxic Substances Control
Telephone: 916-440-7145
Last EDR Contact: 04/11/2018
Next Scheduled EDR Contact: 07/23/2018
Data Release Frequency: Quarterly

MINES: Mines Site Location Listing

A listing of mine site locations from the Office of Mine Reclamation.

Date of Government Version: 03/12/2018
Date Data Arrived at EDR: 03/14/2018
Date Made Active in Reports: 05/04/2018
Number of Days to Update: 51

Source: Department of Conservation
Telephone: 916-322-1080
Last EDR Contact: 03/14/2018
Next Scheduled EDR Contact: 06/25/2018
Data Release Frequency: Quarterly

MWMP: Medical Waste Management Program Listing

The Medical Waste Management Program (MWMP) ensures the proper handling and disposal of medical waste by permitting and inspecting medical waste Offsite Treatment Facilities (PDF) and Transfer Stations (PDF) throughout the state. MWMP also oversees all Medical Waste Transporters.

Date of Government Version: 02/27/2018
Date Data Arrived at EDR: 03/05/2018
Date Made Active in Reports: 04/16/2018
Number of Days to Update: 42

Source: Department of Public Health
Telephone: 916-558-1784
Last EDR Contact: 03/06/2018
Next Scheduled EDR Contact: 06/18/2018
Data Release Frequency: Varies

NPDES: NPDES Permits Listing

A listing of NPDES permits, including stormwater.

Date of Government Version: 03/14/2018
Date Data Arrived at EDR: 03/14/2018
Date Made Active in Reports: 05/04/2018
Number of Days to Update: 51

Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 05/16/2018
Next Scheduled EDR Contact: 08/27/2018
Data Release Frequency: Quarterly

PEST LIC: Pesticide Regulation Licenses Listing

A listing of licenses and certificates issued by the Department of Pesticide Regulation. The DPR issues licenses and/or certificates to: Persons and businesses that apply or sell pesticides; Pest control dealers and brokers; Persons who advise on agricultural pesticide applications.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 03/05/2018
Date Data Arrived at EDR: 03/05/2018
Date Made Active in Reports: 04/19/2018
Number of Days to Update: 45

Source: Department of Pesticide Regulation
Telephone: 916-445-4038
Last EDR Contact: 03/05/2018
Next Scheduled EDR Contact: 06/18/2018
Data Release Frequency: Quarterly

PROC: Certified Processors Database
A listing of certified processors.

Date of Government Version: 03/12/2018
Date Data Arrived at EDR: 03/14/2018
Date Made Active in Reports: 05/04/2018
Number of Days to Update: 51

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 03/14/2018
Next Scheduled EDR Contact: 06/25/2018
Data Release Frequency: Quarterly

NOTIFY 65: Proposition 65 Records

Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

Date of Government Version: 03/23/2018
Date Data Arrived at EDR: 03/27/2018
Date Made Active in Reports: 05/04/2018
Number of Days to Update: 38

Source: State Water Resources Control Board
Telephone: 916-445-3846
Last EDR Contact: 03/14/2018
Next Scheduled EDR Contact: 07/02/2018
Data Release Frequency: No Update Planned

UIC: UIC Listing

A listing of wells identified as underground injection wells, in the California Oil and Gas Wells database.

Date of Government Version: 03/12/2018
Date Data Arrived at EDR: 03/14/2018
Date Made Active in Reports: 05/04/2018
Number of Days to Update: 51

Source: Department of Conservation
Telephone: 916-445-2408
Last EDR Contact: 03/14/2018
Next Scheduled EDR Contact: 06/25/2018
Data Release Frequency: Varies

WASTEWATER PITS: Oil Wastewater Pits Listing

Water officials discovered that oil producers have been dumping chemical-laden wastewater into hundreds of unlined pits that are operating without proper permits. Inspections completed by the Central Valley Regional Water Quality Control Board revealed the existence of previously unidentified waste sites. The water board's review found that more than one-third of the region's active disposal pits are operating without permission.

Date of Government Version: 04/15/2015
Date Data Arrived at EDR: 04/17/2015
Date Made Active in Reports: 06/23/2015
Number of Days to Update: 67

Source: RWQCB, Central Valley Region
Telephone: 559-445-5577
Last EDR Contact: 04/13/2018
Next Scheduled EDR Contact: 07/23/2018
Data Release Frequency: Varies

WDS: Waste Discharge System

Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007
Date Data Arrived at EDR: 06/20/2007
Date Made Active in Reports: 06/29/2007
Number of Days to Update: 9

Source: State Water Resources Control Board
Telephone: 916-341-5227
Last EDR Contact: 05/16/2018
Next Scheduled EDR Contact: 09/03/2018
Data Release Frequency: Quarterly

WIP: Well Investigation Program Case List

Well Investigation Program case in the San Gabriel and San Fernando Valley area.

Date of Government Version: 07/03/2009
Date Data Arrived at EDR: 07/21/2009
Date Made Active in Reports: 08/03/2009
Number of Days to Update: 13

Source: Los Angeles Water Quality Control Board
Telephone: 213-576-6726
Last EDR Contact: 03/21/2018
Next Scheduled EDR Contact: 07/09/2018
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

MILITARY PRIV SITES: Military Privatized Sites (GEOTRACKER)

Military privatized sites

Date of Government Version: 03/12/2018
Date Data Arrived at EDR: 03/14/2018
Date Made Active in Reports: 05/04/2018
Number of Days to Update: 51

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 06/25/2018
Data Release Frequency: Varies

OTHER OIL GAS: OTHER OIL & GAS (GEOTRACKER)

Other Oil & Gas Projects sites

Date of Government Version: 03/12/2018
Date Data Arrived at EDR: 03/14/2018
Date Made Active in Reports: 05/04/2018
Number of Days to Update: 51

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 06/25/2018
Data Release Frequency: Varies

PROD WATER PONDS: PROD WATER PONDS (GEOTRACKER)

Produced water ponds sites

Date of Government Version: 03/12/2018
Date Data Arrived at EDR: 03/14/2018
Date Made Active in Reports: 05/04/2018
Number of Days to Update: 51

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 06/25/2018
Data Release Frequency: Varies

PROJECT: PROJECT (GEOTRACKER)

Projects sites

Date of Government Version: 03/12/2018
Date Data Arrived at EDR: 03/14/2018
Date Made Active in Reports: 05/04/2018
Number of Days to Update: 51

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 06/25/2018
Data Release Frequency: Varies

NON-CASE INFO: NON-CASE INFO (GEOTRACKER)

Non-Case Information sites

Date of Government Version: 03/12/2018
Date Data Arrived at EDR: 03/14/2018
Date Made Active in Reports: 05/04/2018
Number of Days to Update: 51

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 06/25/2018
Data Release Frequency: Varies

SAMPLING POINT: SAMPLING POINT (GEOTRACKER)

Sampling point - public sites

Date of Government Version: 03/12/2018
Date Data Arrived at EDR: 03/14/2018
Date Made Active in Reports: 05/04/2018
Number of Days to Update: 51

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 06/25/2018
Data Release Frequency: Varies

WELL STIM PROJ: WELL SAMP PROJ (GEOTRACKER)

Includes areas of groundwater monitoring plans, a depiction of the monitoring network, and the facilities, boundaries, and subsurface characteristics of the oilfield and the features (oil and gas wells, produced water ponds, UIC wells, water supply wells, etc?) being monitored

Date of Government Version: 03/12/2018
Date Data Arrived at EDR: 03/14/2018
Date Made Active in Reports: 05/04/2018
Number of Days to Update: 51

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 06/25/2018
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CIWQS: The California Integrated Water Quality System

The California Integrated Water Quality System (CIWQS) is a computer system used by the State and Regional Water Quality Control Boards to track information about places of environmental interest, manage permits and other orders, track inspections, and manage violations and enforcement activities.

Date of Government Version: 03/05/2018
Date Data Arrived at EDR: 03/05/2018
Date Made Active in Reports: 05/04/2018
Number of Days to Update: 60

Source: State Water Resources Control Board
Telephone: 866-794-4977
Last EDR Contact: 03/06/2018
Next Scheduled EDR Contact: 06/18/2018
Data Release Frequency: Varies

UIC GEO: UIC GEO (GEOTRACKER)

Underground control injection sites

Date of Government Version: 03/12/2018
Date Data Arrived at EDR: 03/14/2018
Date Made Active in Reports: 05/04/2018
Number of Days to Update: 51

Source: State Water Resource Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 06/25/2018
Data Release Frequency: Varies

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historical Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Resources Recycling and Recovery in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/13/2014
Number of Days to Update: 196

Source: Department of Resources Recycling and Recovery
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the State Water Resources Control Board in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/30/2013
Number of Days to Update: 182

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

COUNTY RECORDS

ALAMEDA COUNTY:

Contaminated Sites

A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

Date of Government Version: 01/09/2018
Date Data Arrived at EDR: 01/11/2018
Date Made Active in Reports: 02/22/2018
Number of Days to Update: 42

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 04/05/2018
Next Scheduled EDR Contact: 07/23/2018
Data Release Frequency: Semi-Annually

Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 04/05/2018
Date Data Arrived at EDR: 04/10/2018
Date Made Active in Reports: 05/04/2018
Number of Days to Update: 24

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 04/05/2018
Next Scheduled EDR Contact: 04/24/2047
Data Release Frequency: Semi-Annually

AMADOR COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA Facility List Cupa Facility List

Date of Government Version: 03/01/2018
Date Data Arrived at EDR: 03/05/2018
Date Made Active in Reports: 03/15/2018
Number of Days to Update: 10

Source: Amador County Environmental Health
Telephone: 209-223-6439
Last EDR Contact: 05/30/2018
Next Scheduled EDR Contact: 09/17/2018
Data Release Frequency: Varies

BUTTE COUNTY:

CUPA Facility Listing Cupa facility list.

Date of Government Version: 04/21/2017
Date Data Arrived at EDR: 04/25/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 106

Source: Public Health Department
Telephone: 530-538-7149
Last EDR Contact: 04/05/2018
Next Scheduled EDR Contact: 07/23/2018
Data Release Frequency: No Update Planned

CALVERAS COUNTY:

CUPA Facility Listing Cupa Facility Listing

Date of Government Version: 01/25/2018
Date Data Arrived at EDR: 01/26/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 47

Source: Calveras County Environmental Health
Telephone: 209-754-6399
Last EDR Contact: 03/26/2018
Next Scheduled EDR Contact: 07/09/2018
Data Release Frequency: Quarterly

COLUSA COUNTY:

CUPA Facility List Cupa facility list.

Date of Government Version: 02/26/2018
Date Data Arrived at EDR: 03/01/2018
Date Made Active in Reports: 03/15/2018
Number of Days to Update: 14

Source: Health & Human Services
Telephone: 530-458-0396
Last EDR Contact: 05/16/2018
Next Scheduled EDR Contact: 08/20/2018
Data Release Frequency: Semi-Annually

CONTRA COSTA COUNTY:

Site List

List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 02/22/2018
Date Data Arrived at EDR: 02/27/2018
Date Made Active in Reports: 04/16/2018
Number of Days to Update: 48

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 04/30/2018
Next Scheduled EDR Contact: 08/13/2018
Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA Facility List Cupa Facility list

Date of Government Version: 01/05/2018
Date Data Arrived at EDR: 02/02/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 40

Source: Del Norte County Environmental Health Division
Telephone: 707-465-0426
Last EDR Contact: 04/25/2018
Next Scheduled EDR Contact: 08/13/2018
Data Release Frequency: Varies

EL DORADO COUNTY:

CUPA Facility List CUPA facility list.

Date of Government Version: 03/05/2018
Date Data Arrived at EDR: 03/08/2018
Date Made Active in Reports: 04/16/2018
Number of Days to Update: 39

Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623
Last EDR Contact: 04/30/2018
Next Scheduled EDR Contact: 08/13/2018
Data Release Frequency: Varies

FRESNO COUNTY:

CUPA Resources List

Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

Date of Government Version: 03/01/2018
Date Data Arrived at EDR: 03/05/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 9

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 03/06/2018
Next Scheduled EDR Contact: 07/16/2018
Data Release Frequency: Semi-Annually

GLENN COUNTY:

CUPA Facility List Cupa facility list

Date of Government Version: 01/22/2018
Date Data Arrived at EDR: 01/24/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 49

Source: Glenn County Air Pollution Control District
Telephone: 830-934-6500
Last EDR Contact: 04/18/2018
Next Scheduled EDR Contact: 08/06/2018
Data Release Frequency: Varies

HUMBOLDT COUNTY:

CUPA Facility List CUPA facility list.

Date of Government Version: 03/05/2018
Date Data Arrived at EDR: 03/08/2018
Date Made Active in Reports: 04/30/2018
Number of Days to Update: 53

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 05/21/2018
Next Scheduled EDR Contact: 09/03/2018
Data Release Frequency: Semi-Annually

IMPERIAL COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA Facility List

Cupa facility list.

Date of Government Version: 01/22/2018

Date Data Arrived at EDR: 01/26/2018

Date Made Active in Reports: 03/14/2018

Number of Days to Update: 47

Source: San Diego Border Field Office

Telephone: 760-339-2777

Last EDR Contact: 04/18/2018

Next Scheduled EDR Contact: 08/06/2018

Data Release Frequency: Varies

INYO COUNTY:

CUPA Facility List

Cupa facility list.

Date of Government Version: 06/08/2017

Date Data Arrived at EDR: 06/09/2017

Date Made Active in Reports: 08/04/2017

Number of Days to Update: 56

Source: Inyo County Environmental Health Services

Telephone: 760-878-0238

Last EDR Contact: 05/30/2018

Next Scheduled EDR Contact: 09/03/2018

Data Release Frequency: Varies

KERN COUNTY:

Underground Storage Tank Sites & Tank Listing

Kern County Sites and Tanks Listing.

Date of Government Version: 02/02/2018

Date Data Arrived at EDR: 02/02/2018

Date Made Active in Reports: 03/28/2018

Number of Days to Update: 54

Source: Kern County Environment Health Services Department

Telephone: 661-862-8700

Last EDR Contact: 05/02/2018

Next Scheduled EDR Contact: 08/20/2018

Data Release Frequency: Quarterly

KINGS COUNTY:

CUPA Facility List

A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 11/14/2017

Date Data Arrived at EDR: 11/17/2017

Date Made Active in Reports: 12/15/2017

Number of Days to Update: 28

Source: Kings County Department of Public Health

Telephone: 559-584-1411

Last EDR Contact: 05/16/2018

Next Scheduled EDR Contact: 09/03/2018

Data Release Frequency: Varies

LAKE COUNTY:

CUPA Facility List

Cupa facility list

Date of Government Version: 02/06/2018

Date Data Arrived at EDR: 02/09/2018

Date Made Active in Reports: 03/14/2018

Number of Days to Update: 33

Source: Lake County Environmental Health

Telephone: 707-263-1164

Last EDR Contact: 04/16/2018

Next Scheduled EDR Contact: 07/30/2018

Data Release Frequency: Varies

LASSEN COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA Facility List

Cupa facility list

Date of Government Version: 01/22/2018
Date Data Arrived at EDR: 01/24/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 49

Source: Lassen County Environmental Health
Telephone: 530-251-8528
Last EDR Contact: 04/18/2018
Next Scheduled EDR Contact: 08/06/2018
Data Release Frequency: Varies

LOS ANGELES COUNTY:

San Gabriel Valley Areas of Concern

San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office.

Date of Government Version: 03/30/2009
Date Data Arrived at EDR: 03/31/2009
Date Made Active in Reports: 10/23/2009
Number of Days to Update: 206

Source: EPA Region 9
Telephone: 415-972-3178
Last EDR Contact: 03/14/2018
Next Scheduled EDR Contact: 07/02/2018
Data Release Frequency: No Update Planned

HMS: Street Number List

Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 01/16/2018
Date Data Arrived at EDR: 01/23/2018
Date Made Active in Reports: 03/20/2018
Number of Days to Update: 56

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 04/05/2018
Next Scheduled EDR Contact: 07/23/2018
Data Release Frequency: Semi-Annually

List of Solid Waste Facilities

Solid Waste Facilities in Los Angeles County.

Date of Government Version: 01/16/2018
Date Data Arrived at EDR: 01/16/2018
Date Made Active in Reports: 02/14/2018
Number of Days to Update: 29

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 04/17/2018
Next Scheduled EDR Contact: 07/30/2018
Data Release Frequency: Varies

City of Los Angeles Landfills

Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 01/01/2018
Date Data Arrived at EDR: 05/01/2018
Date Made Active in Reports: 05/14/2018
Number of Days to Update: 13

Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 04/11/2018
Next Scheduled EDR Contact: 07/30/2018
Data Release Frequency: Varies

Site Mitigation List

Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 01/01/2018
Date Data Arrived at EDR: 01/17/2018
Date Made Active in Reports: 02/14/2018
Number of Days to Update: 28

Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 04/17/2018
Next Scheduled EDR Contact: 07/30/2018
Data Release Frequency: Annually

City of El Segundo Underground Storage Tank

Underground storage tank sites located in El Segundo city.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 04/19/2017
Date Made Active in Reports: 05/10/2017
Number of Days to Update: 21

Source: City of El Segundo Fire Department
Telephone: 310-524-2236
Last EDR Contact: 04/11/2018
Next Scheduled EDR Contact: 07/30/2018
Data Release Frequency: Semi-Annually

City of Long Beach Underground Storage Tank

Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 03/09/2017
Date Data Arrived at EDR: 03/10/2017
Date Made Active in Reports: 05/03/2017
Number of Days to Update: 54

Source: City of Long Beach Fire Department
Telephone: 562-570-2563
Last EDR Contact: 04/18/2018
Next Scheduled EDR Contact: 08/06/2018
Data Release Frequency: Annually

City of Torrance Underground Storage Tank

Underground storage tank sites located in the city of Torrance.

Date of Government Version: 01/04/2018
Date Data Arrived at EDR: 01/05/2018
Date Made Active in Reports: 01/18/2018
Number of Days to Update: 13

Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 04/05/2018
Next Scheduled EDR Contact: 07/23/2018
Data Release Frequency: Semi-Annually

MADERA COUNTY:

CUPA Facility List

A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 02/21/2018
Date Data Arrived at EDR: 02/22/2018
Date Made Active in Reports: 04/03/2018
Number of Days to Update: 40

Source: Madera County Environmental Health
Telephone: 559-675-7823
Last EDR Contact: 05/16/2018
Next Scheduled EDR Contact: 09/03/2018
Data Release Frequency: Varies

MARIN COUNTY:

Underground Storage Tank Sites

Currently permitted USTs in Marin County.

Date of Government Version: 03/30/2018
Date Data Arrived at EDR: 04/06/2018
Date Made Active in Reports: 05/04/2018
Number of Days to Update: 28

Source: Public Works Department Waste Management
Telephone: 415-473-6647
Last EDR Contact: 03/29/2018
Next Scheduled EDR Contact: 07/16/2018
Data Release Frequency: Semi-Annually

MERCED COUNTY:

CUPA Facility List

CUPA facility list.

Date of Government Version: 01/11/2018
Date Data Arrived at EDR: 01/12/2018
Date Made Active in Reports: 02/08/2018
Number of Days to Update: 27

Source: Merced County Environmental Health
Telephone: 209-381-1094
Last EDR Contact: 05/16/2018
Next Scheduled EDR Contact: 09/03/2018
Data Release Frequency: Varies

MONO COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA Facility List CUPA Facility List

Date of Government Version: 02/22/2018
Date Data Arrived at EDR: 02/27/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 15

Source: Mono County Health Department
Telephone: 760-932-5580
Last EDR Contact: 05/22/2018
Next Scheduled EDR Contact: 09/10/2018
Data Release Frequency: Varies

MONTEREY COUNTY:

CUPA Facility Listing CUPA Program listing from the Environmental Health Division.

Date of Government Version: 03/27/2018
Date Data Arrived at EDR: 03/29/2018
Date Made Active in Reports: 04/16/2018
Number of Days to Update: 18

Source: Monterey County Health Department
Telephone: 831-796-1297
Last EDR Contact: 05/21/2018
Next Scheduled EDR Contact: 09/03/2018
Data Release Frequency: Varies

NAPA COUNTY:

Sites With Reported Contamination

A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 01/09/2017
Date Data Arrived at EDR: 01/11/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 50

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 05/22/2018
Next Scheduled EDR Contact: 09/10/2018
Data Release Frequency: No Update Planned

Closed and Operating Underground Storage Tank Sites

Underground storage tank sites located in Napa county.

Date of Government Version: 02/22/2018
Date Data Arrived at EDR: 02/27/2018
Date Made Active in Reports: 03/29/2018
Number of Days to Update: 30

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 05/22/2018
Next Scheduled EDR Contact: 09/10/2018
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA Facility List CUPA facility list.

Date of Government Version: 01/31/2018
Date Data Arrived at EDR: 02/01/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 41

Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 04/25/2018
Next Scheduled EDR Contact: 08/13/2018
Data Release Frequency: Varies

ORANGE COUNTY:

List of Industrial Site Cleanups

Petroleum and non-petroleum spills.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 02/05/2018
Date Data Arrived at EDR: 02/13/2018
Date Made Active in Reports: 04/03/2018
Number of Days to Update: 49

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 05/07/2018
Next Scheduled EDR Contact: 08/20/2018
Data Release Frequency: Annually

List of Underground Storage Tank Cleanups

Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 02/05/2018
Date Data Arrived at EDR: 02/13/2018
Date Made Active in Reports: 03/20/2018
Number of Days to Update: 35

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 05/07/2018
Next Scheduled EDR Contact: 08/20/2018
Data Release Frequency: Quarterly

List of Underground Storage Tank Facilities

Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 01/02/2018
Date Data Arrived at EDR: 02/07/2018
Date Made Active in Reports: 03/28/2018
Number of Days to Update: 49

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 05/08/2018
Next Scheduled EDR Contact: 08/20/2018
Data Release Frequency: Quarterly

PLACER COUNTY:

Master List of Facilities

List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 03/15/2018
Date Data Arrived at EDR: 03/19/2018
Date Made Active in Reports: 05/04/2018
Number of Days to Update: 46

Source: Placer County Health and Human Services
Telephone: 530-745-2363
Last EDR Contact: 05/31/2018
Next Scheduled EDR Contact: 09/17/2018
Data Release Frequency: Semi-Annually

PLUMAS COUNTY:

CUPA Facility List

Plumas County CUPA Program facilities.

Date of Government Version: 01/22/2018
Date Data Arrived at EDR: 01/24/2018
Date Made Active in Reports: 03/15/2018
Number of Days to Update: 50

Source: Plumas County Environmental Health
Telephone: 530-283-6355
Last EDR Contact: 04/18/2018
Next Scheduled EDR Contact: 08/06/2018
Data Release Frequency: Varies

RIVERSIDE COUNTY:

Listing of Underground Tank Cleanup Sites

Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 04/05/2018
Date Data Arrived at EDR: 04/10/2018
Date Made Active in Reports: 05/04/2018
Number of Days to Update: 24

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 03/19/2018
Next Scheduled EDR Contact: 07/02/2018
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Underground Storage Tank Tank List

Underground storage tank sites located in Riverside county.

Date of Government Version: 04/05/2018
Date Data Arrived at EDR: 04/10/2018
Date Made Active in Reports: 05/04/2018
Number of Days to Update: 24

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 03/19/2018
Next Scheduled EDR Contact: 07/02/2018
Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

Toxic Site Clean-Up List

List of sites where unauthorized releases of potentially hazardous materials have occurred.

Date of Government Version: 11/02/2017
Date Data Arrived at EDR: 01/03/2018
Date Made Active in Reports: 02/05/2018
Number of Days to Update: 33

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 04/04/2018
Next Scheduled EDR Contact: 07/16/2018
Data Release Frequency: Quarterly

Master Hazardous Materials Facility List

Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 11/02/2017
Date Data Arrived at EDR: 01/03/2018
Date Made Active in Reports: 02/14/2018
Number of Days to Update: 42

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 04/04/2018
Next Scheduled EDR Contact: 07/16/2018
Data Release Frequency: Quarterly

SAN BENITO COUNTY:

CUPA Facility List

Cupa facility list

Date of Government Version: 11/01/2017
Date Data Arrived at EDR: 11/03/2017
Date Made Active in Reports: 11/17/2017
Number of Days to Update: 14

Source: San Benito County Environmental Health
Telephone: N/A
Last EDR Contact: 05/16/2018
Next Scheduled EDR Contact: 08/20/2018
Data Release Frequency: Varies

SAN BERNARDINO COUNTY:

Hazardous Material Permits

This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

Date of Government Version: 11/30/2017
Date Data Arrived at EDR: 12/01/2017
Date Made Active in Reports: 01/16/2018
Number of Days to Update: 46

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 04/06/2018
Next Scheduled EDR Contact: 08/20/2018
Data Release Frequency: Quarterly

SAN DIEGO COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Hazardous Materials Management Division Database

The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 03/05/2018
Date Data Arrived at EDR: 03/07/2018
Date Made Active in Reports: 04/16/2018
Number of Days to Update: 40

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 03/07/2018
Next Scheduled EDR Contact: 06/18/2018
Data Release Frequency: Quarterly

Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 10/31/2015
Date Data Arrived at EDR: 11/07/2015
Date Made Active in Reports: 01/04/2016
Number of Days to Update: 58

Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 04/18/2018
Next Scheduled EDR Contact: 08/06/2018
Data Release Frequency: Varies

Local Oversight Program Listing

A listing of all LOP release sites that are or were under the County of San Diego's jurisdiction. Included are closed or transferred cases, open cases, and cases that did not have a case type indicated. The cases without a case type are mostly complaints; however, some of them could be LOP cases.

Date of Government Version: 04/18/2018
Date Data Arrived at EDR: 04/23/2018
Date Made Active in Reports: 05/04/2018
Number of Days to Update: 11

Source: Department of Environmental Health
Telephone: 858-505-6874
Last EDR Contact: 04/18/2018
Next Scheduled EDR Contact: 08/06/2018
Data Release Frequency: Varies

Environmental Case Listing

The listing contains all underground tank release cases and projects pertaining to properties contaminated with hazardous substances that are actively under review by the Site Assessment and Mitigation Program.

Date of Government Version: 03/23/2010
Date Data Arrived at EDR: 06/15/2010
Date Made Active in Reports: 07/09/2010
Number of Days to Update: 24

Source: San Diego County Department of Environmental Health
Telephone: 619-338-2371
Last EDR Contact: 05/31/2018
Next Scheduled EDR Contact: 09/17/2018
Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

Local Oversight Facilities

A listing of leaking underground storage tank sites located in San Francisco county.

Date of Government Version: 09/19/2008
Date Data Arrived at EDR: 09/19/2008
Date Made Active in Reports: 09/29/2008
Number of Days to Update: 10

Source: Department Of Public Health San Francisco County
Telephone: 415-252-3920
Last EDR Contact: 05/02/2018
Next Scheduled EDR Contact: 08/20/2018
Data Release Frequency: Quarterly

Underground Storage Tank Information

Underground storage tank sites located in San Francisco county.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 11/02/2017
Date Data Arrived at EDR: 11/07/2017
Date Made Active in Reports: 12/19/2017
Number of Days to Update: 42

Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 05/02/2018
Next Scheduled EDR Contact: 08/20/2018
Data Release Frequency: Quarterly

SAN JOAQUIN COUNTY:

San Joaquin Co. UST

A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 03/20/2018
Date Data Arrived at EDR: 03/22/2018
Date Made Active in Reports: 05/04/2018
Number of Days to Update: 43

Source: Environmental Health Department
Telephone: N/A
Last EDR Contact: 03/14/2018
Next Scheduled EDR Contact: 07/02/2018
Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

CUPA Facility List

Cupa Facility List.

Date of Government Version: 11/16/2017
Date Data Arrived at EDR: 11/17/2017
Date Made Active in Reports: 12/18/2017
Number of Days to Update: 31

Source: San Luis Obispo County Public Health Department
Telephone: 805-781-5596
Last EDR Contact: 05/16/2018
Next Scheduled EDR Contact: 09/03/2018
Data Release Frequency: Varies

SAN MATEO COUNTY:

Business Inventory

List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 03/14/2018
Date Data Arrived at EDR: 03/20/2018
Date Made Active in Reports: 05/04/2018
Number of Days to Update: 45

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 03/07/2018
Next Scheduled EDR Contact: 06/25/2018
Data Release Frequency: Annually

Fuel Leak List

A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 03/15/2018
Date Data Arrived at EDR: 03/20/2018
Date Made Active in Reports: 05/04/2018
Number of Days to Update: 45

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 03/07/2018
Next Scheduled EDR Contact: 06/25/2018
Data Release Frequency: Semi-Annually

SANTA BARBARA COUNTY:

CUPA Facility Listing

CUPA Program Listing from the Environmental Health Services division.

Date of Government Version: 09/08/2011
Date Data Arrived at EDR: 09/09/2011
Date Made Active in Reports: 10/07/2011
Number of Days to Update: 28

Source: Santa Barbara County Public Health Department
Telephone: 805-686-8167
Last EDR Contact: 05/16/2018
Next Scheduled EDR Contact: 09/03/2018
Data Release Frequency: Varies

SANTA CLARA COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Cupa Facility List

Cupa facility list

Date of Government Version: 02/20/2018
Date Data Arrived at EDR: 02/20/2018
Date Made Active in Reports: 03/19/2018
Number of Days to Update: 27

Source: Department of Environmental Health
Telephone: 408-918-1973
Last EDR Contact: 05/16/2018
Next Scheduled EDR Contact: 09/03/2018
Data Release Frequency: Varies

HIST LUST - Fuel Leak Site Activity Report

A listing of open and closed leaking underground storage tanks. This listing is no longer updated by the county.
Leaking underground storage tanks are now handled by the Department of Environmental Health.

Date of Government Version: 03/29/2005
Date Data Arrived at EDR: 03/30/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 22

Source: Santa Clara Valley Water District
Telephone: 408-265-2600
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

LOP Listing

A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 03/03/2014
Date Data Arrived at EDR: 03/05/2014
Date Made Active in Reports: 03/18/2014
Number of Days to Update: 13

Source: Department of Environmental Health
Telephone: 408-918-3417
Last EDR Contact: 05/22/2018
Next Scheduled EDR Contact: 09/10/2018
Data Release Frequency: Annually

Hazardous Material Facilities

Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 02/04/2018
Date Data Arrived at EDR: 02/06/2018
Date Made Active in Reports: 03/20/2018
Number of Days to Update: 42

Source: City of San Jose Fire Department
Telephone: 408-535-7694
Last EDR Contact: 05/16/2018
Next Scheduled EDR Contact: 08/20/2018
Data Release Frequency: Annually

SANTA CRUZ COUNTY:

CUPA Facility List

CUPA facility listing.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 05/23/2017
Number of Days to Update: 90

Source: Santa Cruz County Environmental Health
Telephone: 831-464-2761
Last EDR Contact: 05/16/2018
Next Scheduled EDR Contact: 09/03/2018
Data Release Frequency: Varies

SHASTA COUNTY:

CUPA Facility List

Cupa Facility List.

Date of Government Version: 06/15/2017
Date Data Arrived at EDR: 06/19/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 51

Source: Shasta County Department of Resource Management
Telephone: 530-225-5789
Last EDR Contact: 05/16/2018
Next Scheduled EDR Contact: 09/03/2018
Data Release Frequency: Varies

SOLANO COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Leaking Underground Storage Tanks

A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 03/08/2018
Date Data Arrived at EDR: 03/13/2018
Date Made Active in Reports: 05/04/2018
Number of Days to Update: 52

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 05/31/2018
Next Scheduled EDR Contact: 09/17/2018
Data Release Frequency: Quarterly

Underground Storage Tanks

Underground storage tank sites located in Solano county.

Date of Government Version: 03/08/2018
Date Data Arrived at EDR: 03/13/2018
Date Made Active in Reports: 03/29/2018
Number of Days to Update: 16

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 05/31/2018
Next Scheduled EDR Contact: 09/17/2018
Data Release Frequency: Quarterly

SONOMA COUNTY:

Cupa Facility List

Cupa Facility list

Date of Government Version: 03/01/2018
Date Data Arrived at EDR: 03/27/2018
Date Made Active in Reports: 04/16/2018
Number of Days to Update: 20

Source: County of Sonoma Fire & Emergency Services Department
Telephone: 707-565-1174
Last EDR Contact: 03/22/2018
Next Scheduled EDR Contact: 07/09/2018
Data Release Frequency: Varies

Leaking Underground Storage Tank Sites

A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 04/03/2018
Date Data Arrived at EDR: 04/06/2018
Date Made Active in Reports: 05/09/2018
Number of Days to Update: 33

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 03/22/2018
Next Scheduled EDR Contact: 07/09/2018
Data Release Frequency: Quarterly

STANISLAUS COUNTY:

CUPA Facility List

Cupa facility list

Date of Government Version: 02/06/2018
Date Data Arrived at EDR: 02/07/2018
Date Made Active in Reports: 03/16/2018
Number of Days to Update: 37

Source: Stanislaus County Department of Environmental Protection
Telephone: 209-525-6751
Last EDR Contact: 04/16/2018
Next Scheduled EDR Contact: 07/30/2018
Data Release Frequency: Varies

SUTTER COUNTY:

Underground Storage Tanks

Underground storage tank sites located in Sutter county.

Date of Government Version: 01/08/2018
Date Data Arrived at EDR: 03/01/2018
Date Made Active in Reports: 03/30/2018
Number of Days to Update: 29

Source: Sutter County Department of Agriculture
Telephone: 530-822-7500
Last EDR Contact: 05/31/2018
Next Scheduled EDR Contact: 09/17/2018
Data Release Frequency: Semi-Annually

TEHAMA COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA Facility List Cupa facilities

Date of Government Version: 01/26/2018
Date Data Arrived at EDR: 02/02/2018
Date Made Active in Reports: 03/21/2018
Number of Days to Update: 47

Source: Tehama County Department of Environmental Health
Telephone: 530-527-8020
Last EDR Contact: 05/03/2018
Next Scheduled EDR Contact: 08/20/2018
Data Release Frequency: Varies

TRINITY COUNTY:

CUPA Facility List Cupa facility list

Date of Government Version: 01/22/2018
Date Data Arrived at EDR: 01/25/2018
Date Made Active in Reports: 03/19/2018
Number of Days to Update: 53

Source: Department of Toxic Substances Control
Telephone: 760-352-0381
Last EDR Contact: 04/18/2018
Next Scheduled EDR Contact: 08/06/2018
Data Release Frequency: Varies

TULARE COUNTY:

CUPA Facility List Cupa program facilities

Date of Government Version: 03/19/2018
Date Data Arrived at EDR: 03/22/2018
Date Made Active in Reports: 04/17/2018
Number of Days to Update: 26

Source: Tulare County Environmental Health Services Division
Telephone: 559-624-7400
Last EDR Contact: 05/16/2018
Next Scheduled EDR Contact: 08/20/2018
Data Release Frequency: Varies

TUOLUMNE COUNTY:

CUPA Facility List Cupa facility list

Date of Government Version: 01/22/2018
Date Data Arrived at EDR: 01/25/2018
Date Made Active in Reports: 03/16/2018
Number of Days to Update: 50

Source: Division of Environmental Health
Telephone: 209-533-5633
Last EDR Contact: 04/18/2018
Next Scheduled EDR Contact: 08/06/2018
Data Release Frequency: Varies

VENTURA COUNTY:

Business Plan, Hazardous Waste Producers, and Operating Underground Tanks

The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 12/26/2017
Date Data Arrived at EDR: 01/25/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 48

Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 04/23/2018
Next Scheduled EDR Contact: 08/06/2018
Data Release Frequency: Quarterly

Inventory of Illegal Abandoned and Inactive Sites

Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/01/2011
Date Data Arrived at EDR: 12/01/2011
Date Made Active in Reports: 01/19/2012
Number of Days to Update: 49

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 03/29/2018
Next Scheduled EDR Contact: 07/16/2018
Data Release Frequency: Annually

Listing of Underground Tank Cleanup Sites

Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/29/2008
Date Data Arrived at EDR: 06/24/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 37

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 05/09/2018
Next Scheduled EDR Contact: 08/27/2018
Data Release Frequency: Quarterly

Medical Waste Program List

To protect public health and safety and the environment from potential exposure to disease causing agents, the Environmental Health Division Medical Waste Program regulates the generation, handling, storage, treatment and disposal of medical waste throughout the County.

Date of Government Version: 12/26/2017
Date Data Arrived at EDR: 01/25/2018
Date Made Active in Reports: 03/20/2018
Number of Days to Update: 54

Source: Ventura County Resource Management Agency
Telephone: 805-654-2813
Last EDR Contact: 04/23/2018
Next Scheduled EDR Contact: 08/06/2018
Data Release Frequency: Quarterly

Underground Tank Closed Sites List

Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 02/28/2018
Date Data Arrived at EDR: 03/14/2018
Date Made Active in Reports: 03/30/2018
Number of Days to Update: 16

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 03/14/2018
Next Scheduled EDR Contact: 06/25/2018
Data Release Frequency: Quarterly

YOLO COUNTY:

Underground Storage Tank Comprehensive Facility Report

Underground storage tank sites located in Yolo county.

Date of Government Version: 03/27/2018
Date Data Arrived at EDR: 04/03/2018
Date Made Active in Reports: 05/04/2018
Number of Days to Update: 31

Source: Yolo County Department of Health
Telephone: 530-666-8646
Last EDR Contact: 03/29/2018
Next Scheduled EDR Contact: 07/16/2018
Data Release Frequency: Annually

YUBA COUNTY:

CUPA Facility List

CUPA facility listing for Yuba County.

Date of Government Version: 02/01/2018
Date Data Arrived at EDR: 02/02/2018
Date Made Active in Reports: 03/21/2018
Number of Days to Update: 47

Source: Yuba County Environmental Health Department
Telephone: 530-749-7523
Last EDR Contact: 04/25/2018
Next Scheduled EDR Contact: 08/13/2018
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 01/03/2018
Date Data Arrived at EDR: 02/14/2018
Date Made Active in Reports: 03/22/2018
Number of Days to Update: 36

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 05/18/2018
Next Scheduled EDR Contact: 08/27/2018
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 04/11/2017
Date Made Active in Reports: 07/27/2017
Number of Days to Update: 107

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 04/23/2018
Next Scheduled EDR Contact: 07/23/2018
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 01/31/2018
Date Made Active in Reports: 03/09/2018
Number of Days to Update: 37

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 05/03/2018
Next Scheduled EDR Contact: 08/13/2018
Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 07/25/2017
Date Made Active in Reports: 09/25/2017
Number of Days to Update: 62

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 04/12/2018
Next Scheduled EDR Contact: 07/30/2018
Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 02/23/2018
Date Made Active in Reports: 04/09/2018
Number of Days to Update: 45

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 05/21/2018
Next Scheduled EDR Contact: 09/03/2018
Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 04/13/2017
Date Made Active in Reports: 07/14/2017
Number of Days to Update: 92

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 03/08/2018
Next Scheduled EDR Contact: 06/25/2018
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Oil/Gas Pipelines

Source: PennWell Corporation

Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Electric Power Transmission Line Data

Source: PennWell Corporation

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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:

Source: American Hospital Association, Inc.

Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services

Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes

Source: National Institutes of Health

Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Licensed Facilities

Source: Department of Social Services

Telephone: 916-657-4041

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory

Source: Department of Fish & Game

Telephone: 916-445-0411

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

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GEOCHECK[®] - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

BURBANK UPDATE ESA
777 FRONT ST
BURBANK, CA 91502

TARGET PROPERTY COORDINATES

Latitude (North):	34.183453 - 34° 11' 0.43"
Longitude (West):	118.31689 - 118° 19' 0.80"
Universal Transverse Mercator:	Zone 11
UTM X (Meters):	378643.4
UTM Y (Meters):	3783085.8
Elevation:	582 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	5630791 BURBANK, CA
Version Date:	2012

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principal investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

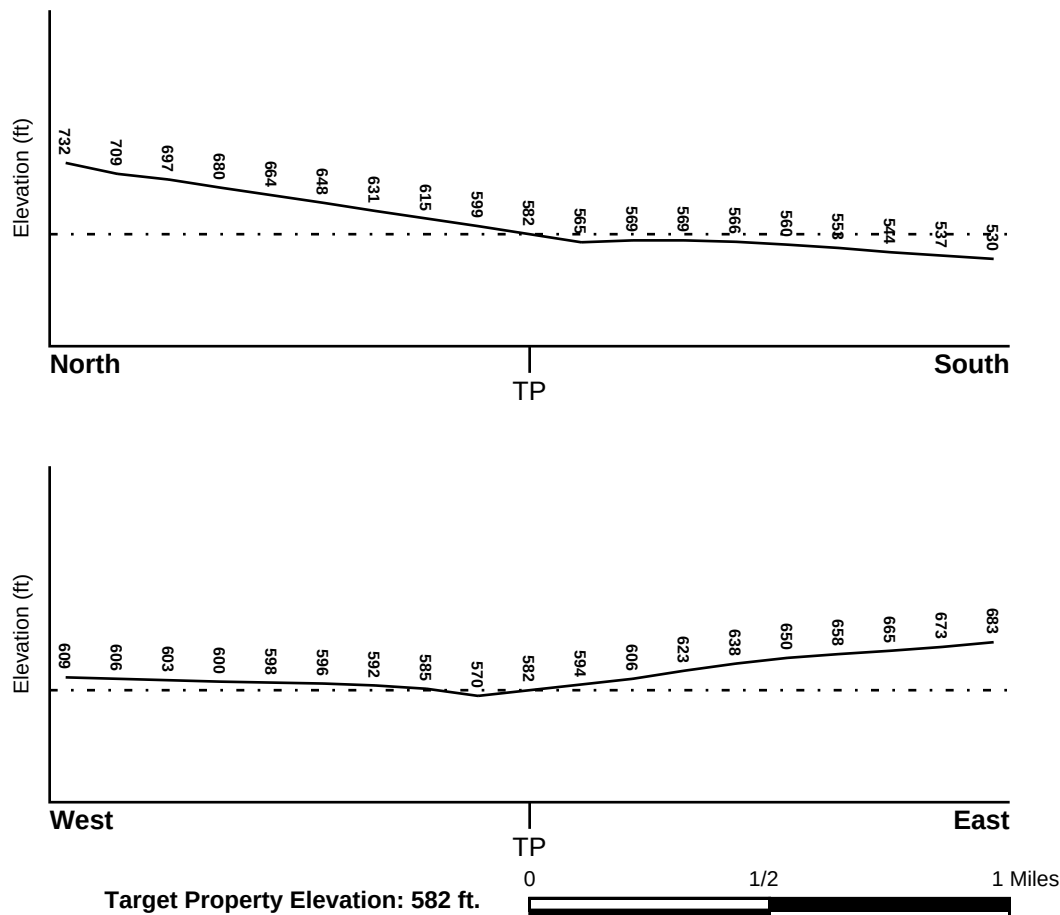
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General SSW

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

<u>Flood Plain Panel at Target Property</u>	<u>FEMA Source Type</u>
06037C1337F	FEMA FIRM Flood data
<u>Additional Panels in search area:</u>	<u>FEMA Source Type</u>
06037C1335F	FEMA FIRM Flood data
06037C1329F	FEMA FIRM Flood data
06037C1345F	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

<u>NWI Quad at Target Property</u>	<u>NWI Electronic Data Coverage</u>
BURBANK	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data:*

Search Radius:	1.25 miles
Status:	Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

Era: Cenozoic
System: Quaternary
Series: Quaternary
Code: Q (decoded above as Era, System & Series)

GEOLOGIC AGE IDENTIFICATION

Category: Stratified Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name: URBAN LAND

Soil Surface Texture: variable

Hydrologic Group: Not reported

Soil Drainage Class: Not reported

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 10 inches

Depth to Bedrock Max: > 10 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Permeability Rate (in/hr)	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	6 inches	variable	Not reported	Not reported	Max: 0.00 Min: 0.00	Max: 0.00 Min: 0.00

OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures: loam
clay
silt loam
loamy sand
sandy loam
fine sand
clay loam
gravelly - sandy loam
coarse sand
gravelly - sand
sand

Surficial Soil Types: loam
clay
silt loam
loamy sand
sandy loam
fine sand
clay loam
gravelly - sandy loam
coarse sand
gravelly - sand
sand

Shallow Soil Types: fine sandy loam
gravelly - loam
sand
silty clay

Deeper Soil Types: stratified
clay loam
silty clay loam
gravelly - sandy loam
coarse sand
sand
weathered bedrock
very fine sandy loam

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

<u>DATABASE</u>	<u>SEARCH DISTANCE (miles)</u>
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
4	USGS40000142363	1/4 - 1/2 Mile South
5	USGS40000142360	1/4 - 1/2 Mile South

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
6	CA1910179	1/4 - 1/2 Mile ESE

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
A1	591	0 - 1/8 Mile West
A2	589	0 - 1/8 Mile West
A3	22942	0 - 1/8 Mile West

-

CLIENT: Blackstone Consulting, LLC
CONTACT: Adrian Rivas
INQUIRY #: 5320614.2s
DATE: June 04, 2018 9:33 pm

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

A1
West
0 - 1/8 Mile
Lower

CA WELLS 591

Water System Information:

Prime Station Code:	01N/14W-14B08 S	User ID:	4TH
FRDS Number:	1910179009	County:	Los Angeles
District Number:	07	Station Type:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Water Type:	Well/Groundwater	Well Status:	Active Raw
Source Lat/Long:	341100.0 1181900.0	Precision:	Undefined
Source Name:	WELL 15		
System Number:	1910179		
System Name:	BURBANK-CITY, WATER DEPT.		
Organization That Operates System:	PO BOX 631 BURBANK, CA 91503		
Pop Served:	93643	Connections:	25731
Area Served:	BURBANK		
Sample Collected:	04-JUN-12	Findings:	10. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	04-JUN-12	Findings:	2300. MG/L
Chemical:	NITRATE + NITRITE (AS N)		
Sample Collected:	24-SEP-12	Findings:	6.1 UG/L
Chemical:	CHROMIUM, HEXAVALENT		
Sample Collected:	24-SEP-12	Findings:	9.2 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	24-SEP-12	Findings:	2100. MG/L
Chemical:	NITRATE + NITRITE (AS N)		
Sample Collected:	02-MAY-16	Findings:	6.1 UG/L
Chemical:	CHROMIUM, HEXAVALENT		
Sample Collected:	21-MAR-12	Findings:	6. UG/L
Chemical:	CHROMIUM, HEXAVALENT		
Sample Collected:	21-MAR-12	Findings:	10. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	21-MAR-12	Findings:	2400. MG/L
Chemical:	NITRATE + NITRITE (AS N)		
Sample Collected:	04-JUN-12	Findings:	6. UG/L
Chemical:	CHROMIUM, HEXAVALENT		

A2
West
0 - 1/8 Mile
Lower

CA WELLS 589

Water System Information:

Prime Station Code:	01N/14W-11Q01 S	User ID:	4TH
FRDS Number:	1910179002	County:	Los Angeles
District Number:	07	Station Type:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Water Type:	Well/Groundwater	Well Status:	Active Raw
Source Lat/Long:	341100.0 1181900.0	Precision:	Undefined
Source Name:	WELL 07		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

System Number:	1910179		
System Name:	BURBANK-CITY, WATER DEPT.		
Organization That Operates System:	PO BOX 631 BURBANK, CA 91503		
Pop Served:	93643	Connections:	25731
Area Served:	BURBANK		
Sample Collected:	21-MAR-12	Findings:	6.4 UG/L
Chemical:	CHROMIUM, HEXAVALENT		
Sample Collected:	21-MAR-12	Findings:	28. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	21-MAR-12	Findings:	6400. MG/L
Chemical:	NITRATE + NITRITE (AS N)		
Sample Collected:	04-JUN-12	Findings:	6.5 UG/L
Chemical:	CHROMIUM, HEXAVALENT		
Sample Collected:	04-JUN-12	Findings:	28. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	04-JUN-12	Findings:	6400. MG/L
Chemical:	NITRATE + NITRITE (AS N)		
Sample Collected:	24-SEP-12	Findings:	6.9 UG/L
Chemical:	CHROMIUM, HEXAVALENT		
Sample Collected:	24-SEP-12	Findings:	27. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	24-SEP-12	Findings:	6100. MG/L
Chemical:	NITRATE + NITRITE (AS N)		

A3
West
0 - 1/8 Mile
Lower

CA WELLS 22942

Water System Information:

Prime Station Code:	G19/179-VOACEFF	User ID:	4TH
FRDS Number:	1910179013	County:	Los Angeles
District Number:	07	Station Type:	WELL/AMBNT/MUN/INTAKE
Water Type:	Well/Groundwater	Well Status:	Combined Treated
Source Lat/Long:	341100.0 1181900.0	Precision:	100 Feet (one Second)
Source Name:	GAC - COMBINED EFFLUENT		
System Number:	1910179		
System Name:	BURBANK-CITY, WATER DEPT.		
Organization That Operates System:	PO BOX 631 BURBANK, CA 91503		
Pop Served:	93643	Connections:	25731
Area Served:	BURBANK		

4
South
1/4 - 1/2 Mile
Lower

FED USGS USGS40000142363

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-341040118185901		
Monloc name:	001N014W11Q001S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18070105	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	34.1777837
Longitude:	-118.3172996	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	Not Reported
Vert measure units:	Not Reported	Vertacc measure val:	Not Reported
Vert accmeasure units:	Not Reported		
Vertcollection method:	Not Reported		
Vert coord refsys:	Not Reported	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	608
Welldepth units:	ft	Wellholedepth:	630
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

5

South
1/4 - 1/2 Mile
Lower

FED USGS

USGS40000142360

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-341037118185301		
Monloc name:	001N014W14B008S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18070105	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	34.1769504
Longitude:	-118.3156329	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	Not Reported
Vert measure units:	Not Reported	Vertacc measure val:	Not Reported
Vert accmeasure units:	Not Reported		
Vertcollection method:	Not Reported		
Vert coord refsys:	Not Reported	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	453
Welldepth units:	ft	Wellholedepth:	498
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

6

ESE

1/4 - 1/2 Mile
Higher

FRDS PWS

CA1910179

Epa region:	09	State:	CA
Pwsid:	CA1910179		
Pwsname:	BURBANK-CITY, WATER DEPT.		
City served:	Not Reported	State served:	CA
Zip served:	Not Reported	Fips county:	06037
Status:	Active	Pop srvd:	104427
Pwssvconn:	26465	Source:	Purch_surface_water
Pws type:	CWS	Owner:	Local_Govt
Contact:	MACE, WILLIAM		
Contact or gname:	MACE, WILLIAM		
Contact phone:	818-238-3550	Contact address1:	P.O. BOX 631
Contact address2:	Not Reported	Contact city:	BURBANK
Contact state:	CA	Contact zip:	91503
Activity code:	A		
Facid:	13		
Facname:	GAC - COMBINED EFFLUENT		
Facility type:	Treatment_plant	Activity code:	A
Treatment obj:	organics removal	Treatment process:	activated carbon, granular
Facid:	14		
Facname:	GAC - PORT 3 - ADSORBER A		
Facility type:	Treatment_plant	Activity code:	A
Treatment obj:	organics removal	Treatment process:	activated carbon, granular
Facid:	15		
Facname:	GAC - PORT 3 - ADSORBER B		
Facility type:	Treatment_plant	Activity code:	A
Treatment obj:	organics removal	Treatment process:	activated carbon, granular
Facid:	16		
Facname:	GAC - PORT 3 - ADSORBER C		
Facility type:	Treatment_plant	Activity code:	A
Treatment obj:	organics removal	Treatment process:	activated carbon, granular
Facid:	17		
Facname:	GAC - PORT 3 - ADSORBER D		
Facility type:	Treatment_plant	Activity code:	A
Treatment obj:	organics removal	Treatment process:	activated carbon, granular
Facid:	22		
Facname:	AIR STRIPPER TOWER T-200A (N)INFLUENT		
Facility type:	Treatment_plant	Activity code:	A
Treatment obj:	organics removal	Treatment process:	aeration, packed tower
Facid:	52		
Facname:	MWD B-5 SUPPLY FOR NO3 BLENDING (G)		
Facility type:	Treatment_plant	Activity code:	A
Treatment obj:	inorganics removal	Treatment process:	rapid mix

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Facid:	5694		
Facname:	BOU VOC PLANT EFF AT PT OF DELIVERY (A)		
Facility type:	Treatment_plant	Activity code:	A
Treatment obj:	organics removal	Treatment process:	activated carbon, granular
Facid:	5698		
Facname:	BOU 3/4PORT AD-750B LOWER GAC (S-W)		
Facility type:	Treatment_plant	Activity code:	A
Treatment obj:	organics removal	Treatment process:	activated carbon, granular
Treatment obj:	organics removal	Treatment process:	aeration, packed tower
Facid:	5699		
Facname:	NO3 BLENDED EFFLUENT (F)		
Facility type:	Treatment_plant	Activity code:	A
Treatment obj:	inorganics removal	Treatment process:	rapid mix
Facid:	5701		
Facname:	BOOST STAN EFF (AFTER NH3;BLEND INF) (E)		
Facility type:	Treatment_plant	Activity code:	A
Treatment obj:	disinfection	Treatment process:	chloramines
Facid:	5702		
Facname:	FOREBY EFFLUENT (AFTER CHLORINATION) (D)		
Facility type:	Treatment_plant	Activity code:	A
Treatment obj:	disinfection	Treatment process:	chloramines
Facid:	5703		
Facname:	FOREBY INFLUENT - WEST (C)		
Facility type:	Treatment_plant	Activity code:	A
Treatment obj:	disinfection	Treatment process:	chloramines
Facid:	5716		
Facname:	FOREBY INFLUENT - EAST (B)		
Facility type:	Treatment_plant	Activity code:	A
Treatment obj:	disinfection	Treatment process:	chloramines
Facid:	705		
Facname:	BURBANK - CHLORINATION	XCLD	
Facility type:	Treatment_plant	Activity code:	A
Treatment obj:	disinfection	Treatment process:	hypochlorination, post
Facid:	CA1910179053		
Facname:	NO3 BLENDED EFFLUENT (F)		
Facility type:	Treatment_plant	Activity code:	A
Treatment obj:	inorganics removal	Treatment process:	rapid mix
Facid:	CA1910179064		
Facname:	BOU 3/4PORT AD-750B UPPER GAC (S-W)		
Facility type:	Treatment_plant	Activity code:	A
Treatment obj:	organics removal	Treatment process:	activated carbon, granular
Facid:	CA1910179065		
Facname:	BOU 3/4PORT AD-750B LOWER GAC (S-W)		
Facility type:	Treatment_plant	Activity code:	A
Treatment obj:	organics removal	Treatment process:	activated carbon, granular

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Treatment obj:	organics removal	Treatment process:	aeration, packed tower
Facid:	CA1910179071		
Facname:	TANK 600 EFFLUENT - INACTIVE		
Facility type:	Treatment_plant	Activity code:	I
Treatment obj:	organics removal	Treatment process:	activated carbon, granular
Facid:	CA1910179072		
Facname:	REGENERATION OF GAC FROM VAPOR PHASE-INA		
Facility type:	Treatment_plant	Activity code:	I
Treatment obj:	organics removal	Treatment process:	activated carbon, granular
Facid:	CA1910179073		
Facname:	REGENERATION FROM LIQUID PHASE-INACTIVE		
Facility type:	Treatment_plant	Activity code:	I
Treatment obj:	organics removal	Treatment process:	activated carbon, granular
Location Information:			
Name:	BURBANK-CITY, WATER DEPT.		
Pwstypcd:	CWS	Prmsrccd:	SWP
Popserved:	104427		
Add1:	P.O. BOX 631		
Add2:	Not Reported		
City:	BURBANK	State:	CA
Zip:	91503	Phone:	818-238-3550
Cityserv:	BURBANK	Cnty serv:	Los Angeles
Stateserv:	CA	Zip serv:	Not Reported
PWS ID:	CA1910179		
Date Initiated:	Not Reported	Date Deactivated:	Not Reported
PWS Name:	BURBANK-CITY, WATER DEPT. BURBANK, CA 915030631		
Addressee / Facility:	Not Reported		
Facility Latitude:	34 10 50	Facility Longitude:	118 18 29
City Served:	BURBANK		
Treatment Class:	Mixed (treated and untreated)	Population:	93643

Violations information not reported.

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
91502	17	0

Federal EPA Radon Zone for LOS ANGELES County: 2

Note: Zone 1 indoor average level > 4 pCi/L.

: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.

: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for LOS ANGELES COUNTY, CA

Number of sites tested: 63

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.711 pCi/L	98%	2%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	0.933 pCi/L	100%	0%	0%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map

Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory

Source: Department of Fish & Game

Telephone: 916-445-0411

HYDROGEOLOGIC INFORMATION

AQUIFLOW^R Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Water Well Database

Source: Department of Water Resources

Telephone: 916-651-9648

California Drinking Water Quality Database

Source: Department of Public Health

Telephone: 916-324-2319

The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

OTHER STATE DATABASE INFORMATION

California Oil and Gas Well Locations

Source: Department of Conservation

Telephone: 916-323-1779

Oil and Gas well locations in the state.

RADON

State Database: CA Radon

Source: Department of Health Services

Telephone: 916-324-2208

Radon Database for California

Area Radon Information

Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones

Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

STREET AND ADDRESS INFORMATION

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Phase I Environmental Site Assessment (ESA)
ASTM E 1527-13 User Questionnaire

In order to qualify for one of the *Landowner Liability Protections (LLPs)* offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001 (the "*Brownfields Amendments*"), the *user* must conduct the following inquiries required by 40 CFR 312.25, 312.28, 312.29, 312.30, and 312.31. The *user* should provide the following information (if available) to the *environmental professional*. Failure to conduct these inquiries could result in a determination that "*all appropriate inquiries*" (AAI) is not complete.

Environmental liens that are filed or recorded against the site (40 CFR 312.25). Did a search of recorded land title records (or judicial records where appropriate) identify any environmental liens filed or recorded against the *property* under federal, tribal, state or local law?

☐ YES ☒ NO ☐ UNK

Activity and land use limitations (AULs) that are in place on the site or that have been filed or recorded in a registry (40 CFR 312.26(a)(1)(v) and (vi)). Did a search of recorded land title records (or judicial records where appropriate) identify any AULs, such as *engineering controls*, land use restrictions or *institutional controls* that are in place at the *property* and/or have been filed or recorded against the *property* under federal, tribal, state or local law?

☐ YES ☐ NO ☒ UNK

Specialized knowledge or experience of the person seeking to qualify for the LLP (40 CFR 312.28). As the *user*, do you have any specialized knowledge or experience related to the *property* or nearby properties? For example, are you involved in the same line of business as the current or former *occupants* of the *property* or an *adjoining property* so that you would have specialized knowledge of the chemicals and processes used by this type of business?

☐ YES ☒ NO ☐ UNK

Relationship of the purchase price to the fair market value of the *property* if it were not contaminated (40 CFR 312.29). Does the purchase price being paid for this *property* reasonably reflect the fair market value of the *property*? If you conclude that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the *property*?

☒ YES ☐ NO ☐ UNK

Commonly known or reasonably ascertainable information about the *property* (40 CFR 312.30). Are you aware of commonly known or *reasonably ascertainable* information about the *property* that would help the *environmental professional* to identify conditions indicative of releases or threatened releases? For example, as *user*,

☒ YES ☐ NO ☐ UNK

(a.) Do you know the past uses of the *property*?

☒ YES ☐ NO ☐ UNK

(b.) Do you know of specific chemicals that are present or once were present at the *property*?

☐ YES ☐ NO ☒ UNK

(c.) Do you know of spills or other chemical releases that have taken place at the *property*?

☐ YES ☐ NO ☒ UNK

(d.) Do you know of any environmental cleanups that have taken place at the *property*?

☒ YES ☐ NO ☐ UNK

Describe (if known): *Soil Vapor Clean up*

The degree of obviousness of the presence of likely presence of contamination at the *property*, and the ability to detect the contamination by appropriate investigation (40 CFR 312.31). As the *user*, based on your knowledge and experience related to the *property* are there any *obvious* indicators that point to the presence or likely presence of releases at the *property*?

☐ YES ☐ NO ☒ UNK

Property Name: *777 Front Street*
 Company/User: *SJ4 Burbank, LLC*
 Name/Title (Printed): *Kimberly Repenn*
 Date: *7/9/18*

Phase I ESA Owner/Site Contact Interview Form

Interviewee Name: Herbert F. Boeckmann, II

Title: Member/Manager, Northridge Properties, LLC

Address: 15505 Roscoe Blvd., North Hills, CA 9134

Phone: 818-778-2970

Relationship to Property: Member/Manager

Name of Property Owner: Northridge Properties, LLC

Address of Property Owner: 15505 Roscoe Blvd., North Hills, CA 91343

Site Name: Former Zero Corporation Facility

Property Address: 777 N. Front Street, Burbank, CA 91502

Previous Street Names/Numbers: Unknown. The property includes a number of older parcels or pieces of parcels from historical configuration early last century until the vicinity was reconfigured mainly due to the construction of the I-5 Freeway. Past studies that have been disclosed to 4Terra contain historical information about the property and vicinity, possibly including information about previous street names and numbers at or about the property.

General Business Type/Present Property Use: Vacant

Property Utilization during Ownership: Vacant. Some temporary, incidental uses (Cavalía horse show)

Assessor Parcel #: 2449-037-013(new); 2449-037-011(old)

Grand Total Square Footage: The area encompassed within new APN 2449-037-013 is 6.92+/-AC per assessor map. However, the property to be conveyed includes not only that land but also additional land that was included in old APN 2449-037-011, which totaled approximately 8.38 AC. The new APN apparently excludes the strip of land that is subject to a permanent easement in favor of the California Department of Transportation (Caltrans) for the I-5 Freeway widening project. There is no new or current APN associated with that strip, but the underlying fee title to that strip is included in the pending transaction along with the land covered by new APN 2449-037-013.

Total # of Buildings: None **Date Built:** Former buildings demolished in early 2000s

Name and Address of Past Owners (include dates of ownership):

Ford Leasing Development Company, Tax Dept. WHQ Room 612, One American Road, Dearborn, MI 48216 (per California Secretary of State database), former address was One Parklane Blvd., Suite 1500 East, Dearborn, MI 48126 (March 25, 1998 to May 11, 2005).

Previous owner was Zero Corporation, no known current address (unknown to March 25, 1998).

Past Property Uses (include dates): The owner's understanding is that, from approximately, 1962 to 1991, manufacturing operations were conducted at the property. After the cessation of manufacturing, and prior to demolition of the buildings, portions of the property were rented out for filming of motion picture or television productions and other marginal uses. Northridge Properties, LLC, acquired the property in vacant condition except for the residual concrete slab that was not removed when the buildings were demolished. Since then, the property has remained vacant and has been used occasionally for some temporary, incidental uses (Cavalier horse show). More recently, the portion of the property that is subject to the Caltrans easement has been used by Caltrans for soil stockpile in connection with the I-5 Freeway widening project. At this time, much of that stockpile has been removed.

Source of Potable Water Supply (municipal/groundwater wells): Vacant

Sewage Disposal (municipal/septic) (provide name of utility): Vacant

Means of Heating/Cooling (gas, electric, heating oil, etc.): Vacant

Fuel Source for Heating/Air Conditioning (provide name of utility): Vacant

Neighboring Property Types (commercial/industrial/residential): Railroad, streets, freeway, commercial/industrial

Current Uses of Adjoining Properties:

North: Burbank Blvd, I-5 Freeway

South: (New) Front Street, Railroad, Commercial/Industrial

East: (Old) Front Street, I-5 Freeway, Commercial to the east of the freeway

West: (New) Front Street, Southern Pacific Railroad, Metrolink, then Commercial/Industrial

Note: (Old) Front Street refers to the former location of the street on the east side of the property, between the property and I-5 Freeway. The street has been abandoned there (although the asphalt is still there pending the CalTrans freeway widening project). (New) Front Street refers to the street as relocated to the west side of the property, between the property and the railroad tracks.

**ARE THERE NOW, OR HAVE THERE BEEN IN THE PAST, ANY OF THESE ITEMS
ONSITE OR ON ADJACENT PROPERTIES:**

ITEM	YES	NO	UNK	ADJACENT PROPERTY
• Hazardous Materials	✓			UNK
• Hazardous Waste			✓	UNK
• MSDS Sheets			✓	UNK
• Underground Storage Tanks (USTs)			✓	UNK
• Aboveground Storage Tanks (ASTs)			✓	UNK
• Vent Pipes, fill pipes, or access ways indicating a fill pipe to an underground storage area			✓	UNK

• Odors			✓	UNK
• Drums	✓			UNK
• Electrical or hydraulic equipment known to contain Polychlorinated Biphenyls (PCBs)			✓	UNK
• Stained soil or surfaces			✓	UNK
• Drains			✓	UNK
• Sumps			✓	UNK
• Clarifier	✓			UNK
• Pits, ponds, or lagoons			✓	UNK
• Stressed vegetation			✓	UNK
• Areas for dumping solid waste (landfill)			✓	UNK
• Wastewater	✓			UNK
• Wells (groundwater, oil, and/or gas)			✓	UNK
• Septic Systems			✓	UNK
• Fill Material (if fill material is on site, please state source of fill)	✓			UNK
ADDITIONAL QUESTIONS	YES	NO	UNK	REMARKS
Has the Site been used as any of the following: gas station, motor repair facility, commercial printing facility, metal plating, dry cleaners, photo developing laboratory, junkyard, or landfill, or as a waste treatment, storage, disposal, processing, or recycling facility? If so, state which type of facility.			✓	Zero Corporation formerly manufactured metal boxes for equipment, appliances, and perhaps other products.
Are you aware of any Phase I or Phase II environmental site assessments, soil sampling reports, geotechnical or geologic reports, environmental compliance audit reports, environmental permits, registrations for USTs or ASTs, community right-to-know plans, environmental safety plans or reports regarding hazardous waste generation for the Site?	✓			Extensive environmental reports, site studies and related materials have been disclosed to 4Terra.
Do you know of any notices or correspondence from any government agency relating to past or current violations of environmental laws with respect to the Site or relating to environmental liens encumbering the Site?			✓	But see below
Do you know of any pending, threatened, or past litigation or administrative proceedings relevant to hazardous substances or petroleum products in, on or from the Site?	✓			See below
Do you know of any notices from any governmental entity regarding any possible violation of environmental laws or possible liability relating to hazardous	✓			See below

substances or petroleum products?				
Do you know of any environmental concerns associated with the Site? If so please state in remarks column.	✓			See below
Do you know of any environmental concerns associated with any adjacent or nearby properties? If so please state in remarks column.			✓	

Additional Comments:

See the extensive environmental reports and materials that have been disclosed to 4Terra.

Among other things, Northridge Properties understands that Zero Corporation was a Potentially Responsible Party (PRP) in the San Fernando Valley federal Superfund Site. Zero Corporation, and its successor, APW North America, Inc., conducted extensive remedial actions including soil vapor extraction for volatile organic compounds (VOCs), and obtained a Certificate of Completion, dated June 30, 2002, from the Los Angeles Regional Water Quality Control Board (LARWQCB) as the designated administering agency for the site under California's Unified Agency Review of Hazardous Materials Release Sites law. The LARWQCB reopened the site in 2011 in connection with the new Chromium Operable Unit of the Superfund Site. Since the responsible party, APW North America, Inc. (Zero Corporation), could no longer be found, the LARWQCB has issued to Northridge Properties as current owner a total of three orders (in 2011, 2014 and 2015) for Technical Reports under California Water Code Section 13267. As to each Order, Northridge Properties has filed an administrative Petition for Review to the State Water Resources Control Board (SWRCB) objecting to the Order. Pending resolution of the First Petition, the First Order was complied with, including soil borings on site searching for hexavalent chromium in soil near the existing, abandoned clarifier units. The Second Order was withdrawn, mooted the Second Petition. The study required by the Third Order is pending, awaiting LARWQCB approval of the work plan for one additional boring near one of the clarifier units. The First and Third Petitions remain pending, held in abeyance, at SWRCB. Northridge Properties has the right to reactivate either or both of those Petitions at any time.

In addition, the "Yes" response above as to Hazardous Materials on site is based on past studies reflecting that various hazardous substances were utilized by Zero Corporation in connection with its historical manufacturing operations.

The "UNK" response regarding electrical or hydraulic equipment known to contain Polychlorinated Biphenyls (PCBs) is based on lack of current recollection. Past studies may show that PCBs were contained in old electrical transformers or hydraulic equipment. As with all items of potential concern, the Phase I consultant should review all the disclosed reports and materials.

The "Yes" response as to Drums is due to knowledge of one drum recently on site for soil cuttings from recent geotechnical borings by 4Terra's consultants and contractors. Past studies may have more information about any historical presence of drums on site.

The "Yes" response as to Clarifiers is based on the obvious presence of abandoned clarifier units on site, which have been the subject of the investigations required by

LARWQCB under the Orders mentioned above. And the "Yes" response as to Wastewater is based on the fact that clarifiers would have been used for wastewater. The disclosed historical materials and studies may contain historical information about wastewater discharge permits.

The "Yes" response as to fill material is based on comments made recently by 4Terra's geotechnical consultant following geotechnical borings that there is fill material underneath the slab before native soil was reached. Past studies may have information about that too. Northridge Properties has no knowledge of the source of any such fill; the original construction took place decades ago, long before Northridge Properties acquired the property.

Preparer presents that to the best of the preparer's knowledge the above statements and facts are true and correct, and to the best of the preparer's actual knowledge no material facts have been suppressed or misstated.

Northridge Properties, LLC

By: 
Herbert F. Boeckmann, II,
Member/Manager

Dated: March 4, 2016

Phase I Environmental Site Assessment (ESA)

ASTM E 1527-13 User Questionnaire

In order to qualify for one of the *Landowner Liability Protections (LLPs)* offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001 (the "*Brownfields Amendments*"), the *user* must conduct the following inquiries required by 40 CFR 312.25, 312.28, 312.29, 312.30, and 312.31. The *user* should provide the following information (if available) to the *environmental professional*. Failure to conduct these inquiries could result in a determination that "*all appropriate inquiries*" (AAI) is not complete.

Environmental liens that are filed or recorded against the site (40 CFR 312.25). Did a search of recorded land title records (or judicial records where appropriate) identify any environmental liens filed or recorded against the *property* under federal, tribal, state or local law?

☐ YES ☒ NO ☐ UNK

Activity and land use limitations (AULs) that are in place on the site or that have been filed or recorded in a registry (40 CFR 312.26(a)(1)(v) and (vi)). Did a search of recorded land title records (or judicial records where appropriate) identify any AULs, such as *engineering controls*, *land use restrictions* or *institutional controls* that are in place at the *property* and/or have been filed or recorded against the *property* under federal, tribal, state or local law?

☐ YES ☐ NO ☒ UNK

Specialized knowledge or experience of the person seeking to qualify for the LLP (40 CFR 312.28). As the *user*, do you have any specialized knowledge or experience related to the *property* or nearby properties? For example, are you involved in the same line of business as the current or former *occupants* of the *property* or an *adjoining property* so that you would have specialized knowledge of the chemicals and processes used by this type of business?

☐ YES ☒ NO ☐ UNK

Relationship of the purchase price to the fair market value of the *property* if it were not contaminated (40 CFR 312.29). Does the purchase price being paid for this *property* reasonably reflect the fair market value of the *property*? If you conclude that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the *property*?

☒ YES ☐ NO ☐ UNK

Commonly known or reasonably ascertainable information about the *property* (40 CFR 312.30). Are you aware of commonly known or *reasonably ascertainable* information about the *property* that would help the *environmental professional* to identify conditions indicative of releases or threatened releases? For example, as *user*,

☒ YES ☐ NO ☐ UNK

(a.) Do you know the past uses of the *property*?

☒ YES ☐ NO ☐ UNK

(b.) Do you know of specific chemicals that are present or once were present at the *property*?

☐ YES ☐ NO ☒ UNK

(c.) Do you know of spills or other chemical releases that have taken place at the *property*?

☐ YES ☐ NO ☒ UNK

(d.) Do you know of any environmental cleanups that have taken place at the *property*?

☒ YES ☐ NO ☐ UNK

Describe (if known): *Soil Vapor Clean up*

The degree of obviousness of the presence of likely presence of contamination at the *property*, and the ability to detect the contamination by appropriate investigation (40 CFR 312.31). As the *user*, based on your knowledge and experience related to the *property* are there any *obvious* indicators that point to the presence or likely presence of releases at the *property*?

☐ YES ☐ NO ☒ UNK

Property Name:

777 Front Street

Company/User:

SJ4 Burbank, LLC

Name/Title (Printed):

Kimberly Repenn

Date:

7/9/18



SARAH L. DENTON, PG CHG CEM
Senior Associate

PROFESSIONAL SUMMARY:

Ms. Denton is a registered Professional Geologist and Certified Hydrogeologist in the State of California and a Certified Environmental Manager in the State of Nevada. Ms. Denton has been an environmental consultant for greater than 15 years and specializes in site characterization, litigation support, environmental site assessments, remediation, auditing, and environmental permitting. Ms. Denton's diverse experience includes Brownfields redevelopment; the redevelopment of military, oil field and industrial properties; environmental screening and permitting for energy projects; NEPA/CEQA evaluation and permitting; risk assessment; and litigation and trial support.

SELECTED PROJECT EXPERIENCE:

- **SITE REDEVELOPMENT:** Ms. Denton has provided environmental support services for the evaluation and redevelopment of Brownfields, oil fields, military facilities and other industrial sites throughout the United States. These have included former large automotive manufacturing facilities, military bases (under the BRAC program), former oilfields and oil service properties, chemical plants, gasoline stations, agricultural areas, tank farms, dry-cleaning facilities, and numerous industrial and manufacturing buildings. Ms. Denton has managed all phases of site redevelopment from initial site characterization; agency negotiation; remediation design and implementation; and the achievement of regulatory case closure.
- **PROPERTY RISK EVALUTION:** Ms. Denton has managed a site risk group for several years and has performed and managed hundreds of due diligence and site assessment projects throughout the United States.
- **NEPA/CEQA EVALUATION:** Ms. Denton has extensive experience with NEPA and CEQA evaluations including the preparation of Initial Studies, Environmental Impact Reports, Environmental Impact Statements, Negative Declarations and Mitigated Negative Declarations. This work includes working closely with lead agencies; organizing public review and responding to public comments; and overseeing specialized related projects, such as hydrological and supplemental biological, cultural, or other environmental evaluations.
- **LITIGATION SUPPORT:** Ms. Denton has participated in several litigation support projects including the preparation and presentation of testimony materials in court. Ms. Denton was integral to client counsel team in the development of trial strategy, assessment of voluminous project files, completion of site characterizations, and preparation of testimony experts.

- **SPECIALIZED TECHNICAL ANALYSIS:** For complex projects, Ms. Denton has also designed advanced database programs to organize large data sets. Ms. Denton has used such tools to perform statistical and risk analysis and site modeling. Ms. Denton has also used these advanced analytical tools to communicate site condition to agency representatives and to prepare trial-ready exhibits for litigation projects.
- **AUDITING & PERMITTING:** To support on-going environmental management of manufacturing and industrial sites, Ms. Denton also maintains expertise in site auditing and various permitting needs with local, state, and national agencies, such as Title V air permitting, storm-water plans, and hazardous materials management planning.

EDUCATION AND PROFESSIONAL AFFILIATIONS:

University of California - Santa Barbara Bachelor Degree, Geological Sciences, 1999
Post-Baccalaureate Professional Coursework, Environmental Management,
University of California, Irvine
Certified Hydrogeologist (CHG) - California
Professional Geologist (PG) - ASBOG
Professional Geologist (PG) - California
Certified Environmental Manager (CEM), State of Nevada
American Geologic Society Member
American Geologic Union Member
40-Hour OSHA Training
OSHA Site Supervisor Training
OSHA Trench and Shoring Supervisor



ALLAN S. COFFEE

Senior Associate & Environmental Group Leader

714-343-7014 / acoffee@blackstoneconsulting.com / Santa Ana, California

PROFESSIONAL SUMMARY:

Mr. Coffee has over 25 years of experience with commercial real estate due diligence including environmental consulting and other related technical advisory related to real estate transactions, mergers/acquisitions, and property development. Specific experience includes Phase I Environmental Site Assessment (ESA); Asbestos, Lead-based Paint and Mold/IAQ consulting; Subsurface Soil and Groundwater Sampling; and Soil and Groundwater Remediation and Monitoring. Additional experience includes property condition assessment (PCA), vapor intrusion/risk management, environmental compliance/audit and regulatory agency coordination.

As Environmental Group Leader, Mr. Coffee is responsible for managing and directing Blackstone's services associated with environmental due diligence and Phase I ESAs, as well as consulting services and technical compliance associated with the built environment (asbestos, lead and mold, etc.), operational environment (regulatory permitting, compliance testing, etc.) and planned development or redevelopment (regulatory closure, construction worker safety, etc.). Mr. Coffee also provides technical review and concurrence for Phase I ESAs and environmental reviews.

As Senior Associate, Mr. Coffee assists in maintaining the communication and congruence between Blackstone service groups to continue a sustainable growth, which includes efficiency and diversity.

SELECTED PROJECT EXPERIENCE:

Has participated in the execution and delivery of over 2,000 Phase I ESA reports for clients including Private Equity Real Estate (PERE), Fannie Mae/Freddie Mac underwriters, REITs, large national and regional banks, private/public investment groups and numerous fiduciaries throughout the United States.

Managed the due diligence associated with the acquisition of a 75-property, national portfolio of warehouse and industrial properties for a private-equity investor. Environmental issues included past manufacturing operations, underground storage tanks usage, various hazardous materials storage, and adjoining property with known groundwater contamination migrating onto the site. Past on-site use and contamination triggered State reporting and coordination with the multiple regulatory agencies. Phase I ESA and Phase II subsurface investigation work completed within 30-days and evaluation of risk and potential remediation cost defined. Quick response and resolution allowed transaction to occur and assigned liability to the appropriate parties protecting the buyer.

Management and technical lead for the redevelopment of former industrial landfill property into low-income multi-family housing. Contamination identified during due diligence required notification to state regulatory agency with potential to stall acquisition and development approvals. Remediation risk and cost defined during due diligence allowed transaction to occur before regulatory closure achieved. Remediation, including the removal of over 7,500 tons of lead contaminated soil, was performed in conjunction with construction providing savings and fast-tracking regulatory closure with state agency. Project was completed and remains in publicly traded portfolio.

EDUCATION AND PROFESSIONAL AFFILIATIONS

University of California at Los Angeles, CA, Bachelor of Science

OSHA 40-Hour HAZWOPER (Hazardous Waste Operator and Emergency Response)

NIOSH 582 Analyst Equivalent Certification

Indoor Air Quality Specialist/Inspector



STEPHEN E. MANELIS
Principal, Co-Founder & Managing Partner

PROFESSIONAL SUMMARY:

Mr. Manelis is Co-founder of Blackstone and has over 25 years of experience with commercial real estate due diligence including environmental and building condition consulting and other related technical advisory related to real estate transactions, mergers/acquisitions, and property development. Specific experience includes Phase I Environmental Site Assessment (ESA), Property Condition Assessment (PCA), Vapor Intrusion/Risk Management, Environmental Compliance/Audit, and Asbestos, Lead-based Paint, Radon, and Mold/IAQ consulting. Additional experience includes soil/groundwater contamination assessments and regulatory agency coordination, remedial-action planning and management, and pre-construction technical support for urban redevelopment/Brownfields.

As Managing Partner, Mr. Manelis is responsible for implementing Blackstone's operational policies, working closely with each Blackstone service group to maintain continued growth and efficiency, and managing the execution of the company's strategic plan as it continues to grow and diversify services.

As Principal and Client Manager, Mr. Manelis continues to develop and service several of Blackstone's national client key accounts which include Private Equity, publicly-traded and private REITs, legal counsel, lenders, developers, corporate real estate, and brokers.

SELECTED PROJECT EXPERIENCE:

Has participated in the execution and delivery of over 6,500 Phase I ESA and PCA reports for clients including Private Equity Real Estate (PERE), Fannie Mae/Freddie Mac underwriters, REITs, large national and regional banks, private/public investment groups and numerous fiduciaries throughout the United States, Mexico and Canada. In addition to site visit experience on numerous types of real estate, experiences include organization of project staff for single projects and/or portfolios, management of field activities and accurate interpretation of data, final report QA/QC, and client advisory.

Third party review coordinator and project manager for a 110-property distribution warehouse company acquisition with properties located throughout the continental U.S. As consultant to equity partners, provided capital expenditure and annual operating budgets associated with environmental compliance, waste management and disposal, and permitting.

Project Manager for due diligence of a multi-building, 75-acre industrial park acquisition by a private-equity/pension fund investor. Environmental issues included past manufacturing operations, underground storage tanks usage, various hazardous materials storage, and adjoining property with known groundwater contamination migrating onto the site. Past on-site use and contamination triggered State reporting and coordination with the multiple regulatory agencies. Phase I ESA and Phase II subsurface investigation work completed within 21-days and evaluation of risk and potential remediation cost defined. Quick response and resolution allowed transaction to occur and assigned liability to the appropriate parties protecting the buyer.

Technical Leader for redevelopment of industrial property formerly consisting of vehicle repair facility, furniture stripper, machine shop, and light manufacturer. Client was publicly-traded, Multi-family REIT and project included mid-rise 220-unit multi-family housing development with subterranean parking. Contamination identified during due diligence required notification to state regulatory agency with potential to stall acquisition and development approvals. Remediation risk and cost defined during due diligence allowing transaction to occur before regulatory closure achieved. Remediation activities of soil and groundwater performed in conjunction with construction providing savings and fast-tracking regulatory closure with state agency. Project was completed and remains in client portfolio.

EDUCATION AND PROFESSIONAL AFFILIATIONS:

University of Rhode Island - Bachelor of Science, Natural Resource Development (1991)

ASTM E-50 Committee for Environmental Assessment

DPIC Companies training in Liability Design for A&E Professionals

Rotary International (Paul Harris Fellow)

Sigma Chi Fraternity (Delta Sigma Chapter) House Corporation Member